

January 14, 2022

Mr. Glenn May, P.G.  
Project Manager  
Division of Environmental Remediation  
New York State Department of  
Environmental Conservation  
270 Michigan Avenue  
Buffalo, NY 14203-2999  
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**RE: Summary of Supplemental Remedial Investigation  
New York State Department of Environmental Conservation  
Niagara Sanitation Company Site, Wheatfield, NY (Site No. 9-32-054)**

Dear Mr. May,

AECOM USA, Inc. (AECOM) submits this summary report for the supplemental remedial investigation (SRI) described in the Field Activities Plan, Quality Assurance Project Plan, and Health and Safety Plan (Work Plan) dated June 2021 for the Niagara Sanitation Company site (Site), pursuant to Work Assignment 05 under NYSDEC Contract D009803. The Work Plan was verbally approved by New York State Department of Environmental Conservation (NYSDEC) on June 1, 2021.

## **SUPPLEMENTAL REMEDIAL INVESTIGATION ACTIVITIES**

The purpose of the SRI, as presented in the Work Plan, was to determine if there was a subsurface source area associated with the previously identified groundwater contamination identified at monitoring well OW-36 that could be removed at a later date and to fill in analytical data gaps in the surface soil at the Site. The data obtained from this investigation will be used, in part, to draft the Feasibility Study.

The scope of work for the supplemental remedial investigation, as described in the Work Plan, included the following activities:

- Test Trench Excavation; and,
- Surface Soil Sampling.

The SRI field sampling, work zone air monitoring, and equipment decontamination were conducted in accordance with the methods and protocols described in the Work Plan.

The sample locations are shown on **Figure 1** and **Figure 2**. **Table 1** summarizes the SRI sample identification numbers, sample dates, sample media (i.e., surface soil and subsurface soil) and analyses performed. All sampling and analyses were conducted as detailed in the Work Plan.

This letter report has been prepared to transmit a summary and analysis of the work described above.

### **Preliminary Activities**

On August 4, 2020, AECOM project manager and environmental engineers, and AECOM subcontractor Matrix Environmental Technologies, Inc. (METI) met representatives of NYSDEC and The LiRo Group to walk the Site and discuss the scope of work. Following the site visit, NYSDEC requested that brush clearing be performed along the western fence line of the Site to access future test trench locations and to clear existing paths to several of the on-Site monitoring wells.

On August 26, 2020, AECOM's subcontractor METI, with oversight by AECOM and NYSDEC, performed brush removal activities.

## Utility Clearance

On June 2, 2021, AECOM and NYSDEC met at the Site to re-flag the six test trench locations for utility mark-outs. Prior to the start of intrusive activities (i.e., test trench excavation), a call was placed to New York DIG SAFE CALL CENTER at Dig Safely New York 811 for utility mark-outs to minimize the risk of encountering subsurface utilities; per Ticket # 05211-000-400, there were no utilities in the test trench area and excavation activities were approved. AECOM provided NYSDEC the test trench equipment specifications to forward to National Fuel representatives to determine if the equipment could cross the National Fuel gas line. No issues were identified and permission to cross the utilities was granted by National Fuel.

On June 7, 2021, AECOM flagged the location of 25 surface soil sample locations for utility mark-outs. Prior to the start of intrusive activities (i.e., surface soil hand borings), a call was placed to New York DIG SAFE CALL CENTER at Dig Safely New York 811 for utility mark-outs to minimize the risk of encountering subsurface utilities; per Ticket # 06141-001-969, there were no utilities in the area of the surface soil locations and hand boring activities were approved.

## Community Air Monitoring Program

Prior to test trench excavations, AECOM implemented a Community Air Monitoring Program (CAMP) to provide a measure of protection for the downwind community (i.e., off-Site receptors including residences and on-Site workers) from potential airborne contaminant releases as a direct result of investigative work activities. The protocols followed were based on the New York State Department of Health (NYSDOH) Generic Community Air Monitoring Plan (May 2010; Appendix 1A to DER-10 [NYSDEC, 2010]) and were performed in accordance with the Work Plan. CAMP logs and data from the test trench excavations are presented in **Appendix A**. Volatile organic compound (VOC) data collected during surface soil sampling are included on the boring logs in **Appendix B**.

During test trench excavations, VOC and dust particulates were monitored at the upwind and downwind (i.e., closest residence) perimeters of the work area at temporary monitoring stations (the upwind station was approximately 50 feet north of monitoring well OW-36 and the downwind station was adjacent to monitoring well LPZ-03S). Each CAMP station consisted of one MiniRae 3000 photoionization detector (PID) and one DustTrak II particulate monitor. In addition to using the particulate monitors, fugitive dust migration was visually assessed during work activities. The MiniRAE 3000 PIDs were calibrated prior to use and manual measurements were collected approximately every 15-minutes; concentrations were compared to the action levels specified in the FAP. The DustTrak II particulate monitors were capable of measuring particulate matter less than 10 micrometers in size (PM-10). The DustTrak II also integrated data over a period of 15 minutes for comparison to the airborne particulate action level.

Throughout the test trench activities, the ambient air concentration of VOC at the downwind perimeter of the work area or exclusion zone did not exceed 5 parts per million (ppm) above background at any time; all VOC readings were recorded and were available for NYSDEC personnel to review.

Throughout the test trench activities, the downwind PM-10 particulate level did not exceed 100 micrograms per cubic meter ( $\mu\text{g}/\text{m}^3$ ) greater than background (upwind perimeter) for the 15-minute period nor was airborne dust observed leaving the work area; all 15-minute particulate readings were recorded and were available for NYSDEC personnel to review.

During surface soil sampling, a PID was used to scan all soil intervals (0 to 2 inch and 2 to 12 inch intervals) and data were recorded on the boring logs for each sample location. The highest PID reading was 1.5 ppm at surface soil location SS-09 at the 0-2 inch interval. During sample collection on June 21, 2021, weather conditions were rainy/humid and at some sample locations, background PID measurements exceeded 5 ppm or the PID was off-scale due to the humidity. As sample depths were shallow (12 inches), collected with a trowel, and distributed across the entire Site, particulates were not quantitatively measured via DustTrak II and no airborne dust was observed leaving the sample areas.

## Test Trench Sampling

On June 7, 2021, AECOM and subcontractor METI mobilized to the Site to perform test trench excavations. METI used a Kubota L45 Tractor with a BT1000A backhoe to excavate the test trenches. AECOM completed six test trenches (TT-01 through TT-06) around monitoring well OW-36 on June 7, 2021 with oversight by NYSDEC with the objective to determine if there is a source area contributing to the VOCs, semivolatile organic compounds (SVOCs), pesticides, and metals contaminants previously identified in the groundwater above 6 New York Codes Rules and Regulations (NYCRR) Part 375 soil cleanup objectives (SCOs) at that well. Note although polychlorinated biphenyls (PCBs) have not been detected at OW-36, soil samples were also submitted for PCB analysis as requested by NYSDEC Project Manager. Test trench locations are shown on **Figure 1**. Per attached **Table 1**, one sample was collected from each test trench with NYSDEC concurrence, biasing the sample interval with the highest PID reading, and/or staining, oily sheen, or odors. Samples were analyzed for Target Compound List (TCL) VOCs (EPA Method 8260C), TCL SVOCs (EPA Method 8270D) including benzoic acid, organochlorine pesticides (EPA Method 8081B) including Mirex, TCL PCBs (EPA Method 8082A), Target Analyte List (TAL) metals (EPA Method 6010C), and mercury (EPA Method 7470A). In addition, quality assurance / quality control (QA/QC) samples (matrix spike / matrix spike duplicate [MS/MSD], duplicate, trip blank [VOCs only], and equipment blank) were collected in accordance with the methods and protocols described in the Work Plan.

Test trenches were located approximately four feet from monitoring well OW-36 so as to not compromise the integrity of the well and radiated out from around the well, each test trench was excavated at approximately 60 degrees from another. Test trench depths and sample intervals are summarized in the table below (note depths and sample intervals are feet below ground surface). Test trench logs are included in attached **Appendix B**.

| Test Trench | Depth | Width | Length | Sample Interval |
|-------------|-------|-------|--------|-----------------|
| TT-01       | 7.0   | 1.5   | 7.0    | 5.5-7.0         |
| TT-02       | 6.0   | 1.5   | 7.0    | 3.5-4.0         |
| TT-03       | 5.5   | 1.5   | 4.0    | 2.0-5.5         |
| TT-04       | 5.5   | 2.0   | 5.5    | 4.0-4.5         |
| TT-05       | 5.0   | 2.0   | 5.0    | 4.5-5.0         |
| TT-06       | 5.0   | 1.9   | 5.0    | 4.5-5.0         |

Excavated material from test trenches were removed in 1-foot lifts, placed on plastic sheeting, and screened with a PID. PID readings above 0 PPM were recorded on the test trench logs. Once test trenches were completed, they were visually inspected for staining, perched water zones, and photo documented. Following the completion of each test trench, excavated soil was placed back in the test trenches (no soil investigative derived waste generated) and a stake was placed in the center of the test trench to be surveyed under the supervision of a New York State licensed land surveyor. Sampling equipment and the backhoe bucket were decontaminated per the Work Plan prior to excavating additional test trenches. There were no deviations to the Work Plan. Refer to **Appendix C** for representative photographs of the activity.

## Surface Soil Sampling

On June 21, 2021, AECOM mobilized to the Site to perform surface soil sampling. A 150-feet by 150-feet grid was overlaid across the Site and 25 grids without historic surface soil data were sampled; refer to attached **Figure 2**. AECOM completed surface soil sampling at these locations between June 21, 2021 and June 22, 2021 with no deviations to the Work Plan. The location of surface soil samples was determined in the field between NYSDEC and AECOM; surveyed locations of the surface soil samples are shown on **Figure 2**. Per attached **Table 1**, two samples were collected from each location using a stainless steel trowel and homogenized in a stainless steel bowl following PID readings: one sample was collected from the 0 to 2-inch interval and one sample was collected from the 2-inch to 12-inch interval from ground surface. Samples were analyzed for TCL SVOCs (EPA Method 8270D) including benzoic acid, organochlorine pesticides (EPA Method 8081B) including Mirex, TCL PCBs (EPA Method 8082A), TAL metals (EPA Method 6010C), and mercury (EPA Method 7470A). No elevated PID readings or unusual odors or staining were observed in the soil during the sampling and, therefore, no samples were collected for TCL VOC analysis. QA/QC samples (MS/MSD, duplicate, and equipment blank) were collected in accordance with

the methods and protocols described in the Work Plan. Following the completion of each surface soil boring, the removed soil was placed back into the borehole (no soil investigative derived waste generated) and a stake was placed in the center of the hole to be surveyed under the supervision of a New York State licensed land surveyor. Surface soil logs are included in attached **Appendix B**. Sampling equipment was decontaminated per the Work Plan. There were no deviations to the Work Plan. Refer to **Appendix C** for representative photographs of the activity.

## Surveying

On August 10, 2021, AECOM and AECOM's subcontractor KHEOPS Architecture, Engineering & Surveying, DPC mobilized to the Site to survey the test trenches and surface soil sample locations. In addition to surveying the test trenches and surface soil sample locations, NYSDEC requested that monitoring wells LPZ-01S, LPZ-02S, LPZ-11S, OW-33, LPZ-13S, LPZ-06S, and LPZ-07S be resurveyed. All surveying was performed under the supervision of a New York State licensed land surveyor. Refer to attached **Appendix D** for a New York State licensed Land Surveyor stamped survey. All horizontal data was converted to World Geodetic System (WGS 84) per NYSDEC EQUIS requirements. There were no deviations to the survey.

## ANALYTICAL RESULTS

### Sample Analysis

Samples were hand delivered by AECOM, under chain of custody, to NYSDEC's call-out laboratory Eurofins TestAmerica, Buffalo for analysis. Eurofins TestAmerica, Buffalo is certified by NYSDOH Environmental Laboratory Approval Program. Samples were analyzed in accordance with the methods and protocols described in the Work Plan. Laboratory reports are included in **Appendix E**.

### Data Validation

AECOM's subcontractor Validata Chemical Services, Inc. (Validata) performed third-party data validation on the laboratory reports submitted by Eurofins TestAmerica, Buffalo, in accordance with the methods and protocols described in the Work Plan. All analytical data was reviewed by Validata to determine whether the data, as presented, met the Site-specific criteria for data quality and data use per the guidance outlined in Appendix 2B of NYSDEC DER-10. Data Usability Summary Reports are included in **Appendix E**.

### EQUIS Submittal

AECOM submitted validated data and associated sample location survey data to NYSDEC's Electronic Information Management System Team on October 8, 2021 for inclusion into the NYSDEC Niagara Sanitation Company Site database. On October 21, 2021, NYSDEC informed AECOM and NYSDEC project manager that the electronic data delivery was successfully uploaded.

### Test Trench Soil Sample Results

Subsurface soil samples were collected from six test trenches around OW-36. The test trench soil samples were compared to 6 NYCRR Part 375 Commercial SCOs (CSCOs) for VOCs, SVOCs (including benzoic acid), organochlorine pesticides (including Mirex), PCBs and metals (including mercury).

Validated data were compared to CSCOs; only one analyte (cadmium) exceeded the CSCOs of 9.3 milligrams per kilogram (mg/kg). This exceedance (15.6 mg/kg) was at test trench TT-06 at the 4.5 to 5.0 feet below ground surface interval. No other compounds were detected above CSCOs. Refer to attached **Figure 1** for test trench locations and exceedance above CSCOs. Test trench sample detections are summarized in attached **Table 2** for VOCs, **Table 3** for SVOCs, **Table 4** for metals, and **Table 5** for PCBs and organochlorine pesticides.

### Surface Soil Samples

Surface soil samples were collected from 25 locations across the site at two depth intervals: 0 to 2 inches and 2 inches to 12 inches below ground surface. Seven of the 25 sample locations had one or more exceedances above CSCOs.



SVOCs were detected above CSCOs at surface soil locations SS-12 (0-2 inch) and at the SS-12 duplicate sample SS-62 (2-12 inch interval), SS-19 (2-12 inch interval), and SS-22 (2-12 inch interval). Metals were detected above CSCOs at surface soil locations SS-13 (2-12 inch interval), SS-17 (2-12 inch interval), SS-18 (0-2 inch and 2-12 inch intervals), SS-19 (2-12 inch interval) and SS-20 (2-12 inch interval). PCBs were detected above CSCOs at surface soil locations SS-13 (2-12 inch interval), SS-18 (0-2 inch and 2-12 inch intervals), and SS-19 (0-2 inch and 2-12 inch intervals). Organochlorine pesticides were not detected above CSCOs at any of the surface soil samples. Refer to attached **Figure 2** for test trench locations and exceedances above CSCOs. Surface soil sample detections are summarized in attached **Table 6** for SVOCs, **Table 7** for metals, and **Table 8** for PCBs and organochlorine pesticides.

## CONCLUSIONS

Test trenches did not identify a subsurface source area associated with the previously identified groundwater contamination identified at monitoring well OW-36. Monitoring well OW-36 is screened from 2 feet to 9 feet below ground surface; test trenches were excavated to below visible refuse and subsurface soil samples were collected below the observed depth of water and biased toward elevated PID readings and/or staining. No subsurface soil samples for VOCs, SVOCs (including benzoic acid), organochlorine pesticides (including Mirex), or PCBs were identified above CSCOs. Only one metal (Cadmium) was detected above the CSCOs.

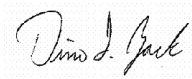
Surface soil samples were completed to fill in analytical data gaps in the surface soil at the Site. Exceedances of SVOCs, metals, and PCBs were identified above CSCOs at seven of the 25 surface soil locations. The most prevalent SVOC detected above CSCOs was benzo(a)pyrene (detected at three of the 25 surface soil locations) and the most prevalent metals detected above CSCOs was cadmium (detected at four of the 25 surface soil locations). PCBs were detected above CSCOs at three of the 25 surface soil locations (Aroclor 1260 was the most prevalent Aroclor detected).

Analytical data collected during the SRI will be used in combination with other Site data to draft the Site Feasibility Report.

If you have any questions, please feel free to contact me.

Yours sincerely,

**AECOM USA, Inc.**



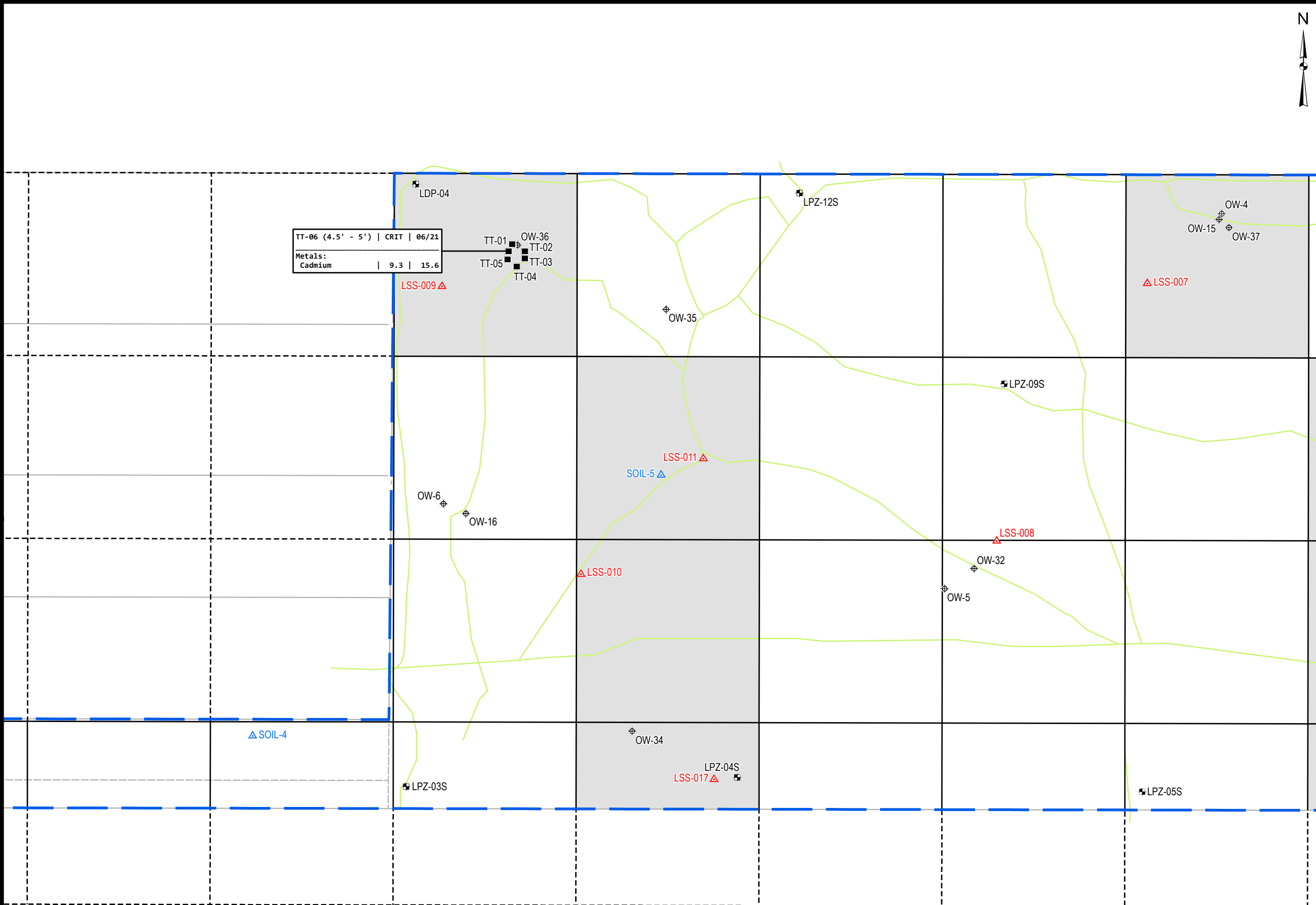
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enc.: Tables, Figures, Appendices

Ec: AECOM Project File (60628668)

## **FIGURES**

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Monitoring Well Location

Piezometer Location

2013 Surface Soil Sample Location

2017 Surface Soil Sample Location

Test Trench Location

150' x 150' Grid

Well Access Pathway

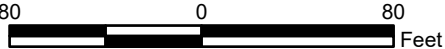
Property Boundary

| Location ID                      | Depth (feet) | Criteria      | Date |
|----------------------------------|--------------|---------------|------|
| TT-06 (4.5' - 5')   CRIT   06/21 |              |               |      |
| Metals:                          |              |               |      |
| Cadmium                          | 9.3          | 15.6          |      |
| Parameter                        |              | Concentration |      |

NOTE:  
Units are shown in mg/kg.

Test trench samples are subsurface soil samples.

CRITERIA:  
CRIT = 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06, Protection of Public Health, Commercial, including CP-51 Table 1, Effective 12/2/10.



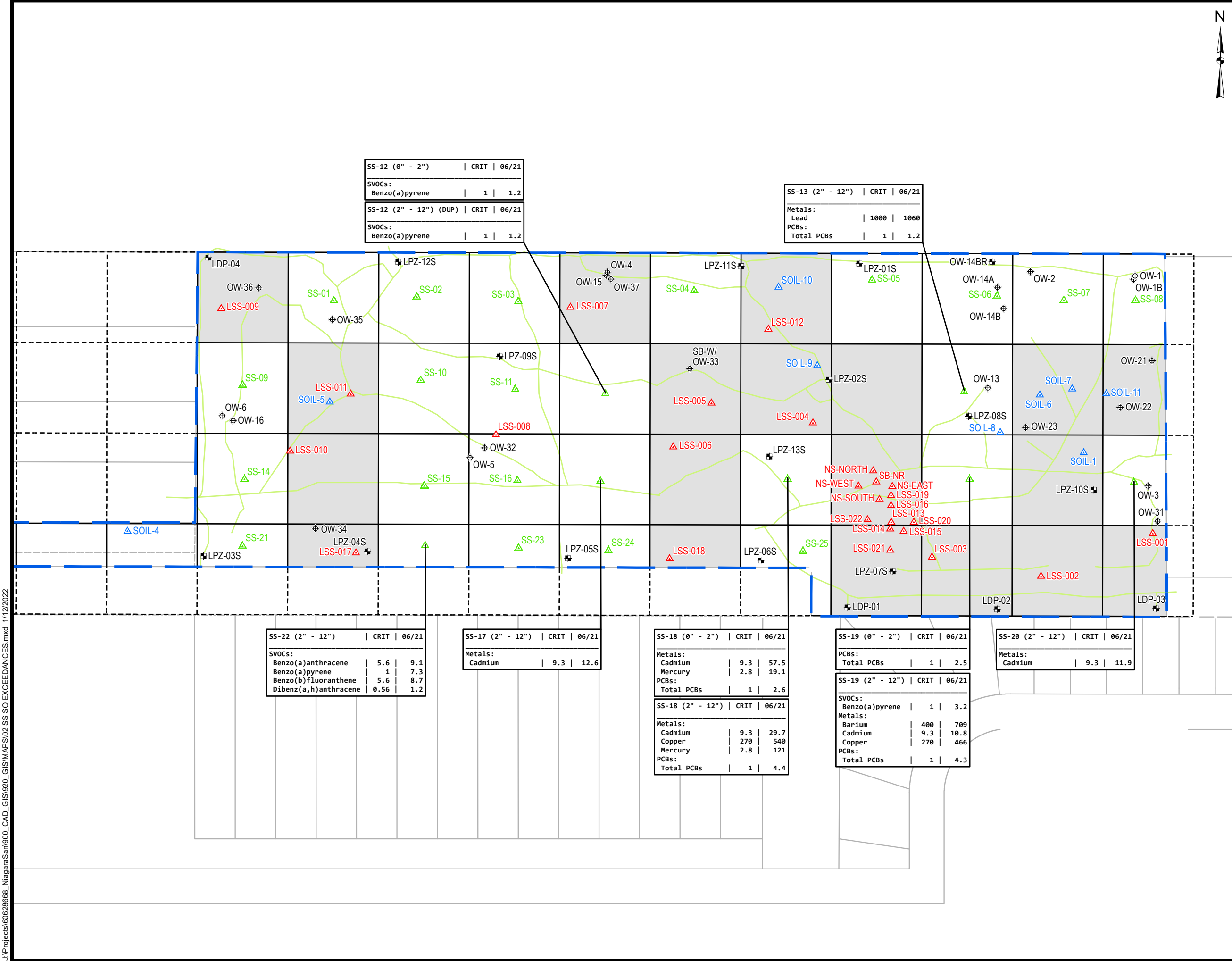
AECOM

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION  
NIAGARA SANITATION COMPANY SITE (NYSDEC SITE NO. 932054)

TEST TRENCH SOIL SAMPLING EXCEEDANCES

|                                                                |              |                          |                    |                  |
|----------------------------------------------------------------|--------------|--------------------------|--------------------|------------------|
| 7415 NASH ROAD<br>TOWN OF WHEATFIELD, NIAGARA COUNTY, NEW YORK |              |                          |                    |                  |
| FILE NAME:<br>01 TT SO EXCEEDANCES                             | DRAWN:<br>ML | PROJECT NO.:<br>60628668 | DATE:<br>1/12/2022 | FIGURE NO.:<br>1 |

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Legend

Monitoring Well Location

Piezometer Location

2013 Surface Soil Sample Location

2017 Surface Soil Sample Location

2021 Surface Soil Sample Location

150' x 150' Grid

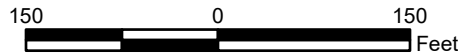
Well Access Pathway

Property Boundary

| Location ID                    | Depth (inches) | Criteria  | Date          |
|--------------------------------|----------------|-----------|---------------|
| SS-12 (0" - 2")   CRIT   06/21 |                |           |               |
| SVOCs:                         |                |           |               |
| Benzo(a)pyrene                 |                | 1         | 1.2           |
|                                |                | Parameter | Concentration |

NOTE:  
Units are shown in mg/kg.

CRITERIA:  
CRIT = 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Commercial, including CP-51 Table 1, Effective 12/2/10.



NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION  
NIAGARA SANITATION COMPANY SITE (NYSDEC SITE NO. 932054)

SURFACE SOIL SAMPLING EXCEEDANCES

## **TABLES**

Table 1  
Analytical Sampling Program  
Niagara Sanitation Company Site  
Site ID: 932054  
Wheatfield, New York 14120

| Location     | Matrix | TCL VOC*<br>(8260C) | TCL SVOCs <sup>(1)</sup><br>(8270D) | TAL Inorganics <sup>(2)</sup><br>(6010C) | Mercury<br>(7471A) | PCBs<br>(8082A) | Pesticides <sup>(3)</sup><br>(8081B) |
|--------------|--------|---------------------|-------------------------------------|------------------------------------------|--------------------|-----------------|--------------------------------------|
| Surface Soil |        |                     |                                     |                                          |                    |                 |                                      |
| SS-01-0002   | Soil   | 0                   | 1                                   | 1                                        | 1                  | 1               | 1                                    |
| SS-01-0212   | Soil   | 0                   | 1                                   | 1                                        | 1                  | 1               | 1                                    |
| SS-02-0002   | Soil   | 0                   | 1                                   | 1                                        | 1                  | 1               | 1                                    |
| SS-02-0212   | Soil   | 0                   | 1                                   | 1                                        | 1                  | 1               | 1                                    |
| SS-03-0002   | Soil   | 0                   | 1                                   | 1                                        | 1                  | 1               | 1                                    |
| SS-03-0212   | Soil   | 0                   | 1                                   | 1                                        | 1                  | 1               | 1                                    |
| SS-04-0002   | Soil   | 0                   | 1                                   | 1                                        | 1                  | 1               | 1                                    |
| SS-04-0212   | Soil   | 0                   | 1                                   | 1                                        | 1                  | 1               | 1                                    |
| SS-05-0002   | Soil   | 0                   | 1                                   | 1                                        | 1                  | 1               | 1                                    |
| SS-05-0212   | Soil   | 0                   | 1                                   | 1                                        | 1                  | 1               | 1                                    |
| SS-06-0002   | Soil   | 0                   | 1                                   | 1                                        | 1                  | 1               | 1                                    |
| SS-06-0212   | Soil   | 0                   | 1                                   | 1                                        | 1                  | 1               | 1                                    |
| SS-07-0002   | Soil   | 0                   | 1                                   | 1                                        | 1                  | 1               | 1                                    |
| SS-07-0212   | Soil   | 0                   | 1                                   | 1                                        | 1                  | 1               | 1                                    |
| SS-08-0002   | Soil   | 0                   | 1                                   | 1                                        | 1                  | 1               | 1                                    |
| SS-08-0212   | Soil   | 0                   | 1                                   | 1                                        | 1                  | 1               | 1                                    |
| SS-09-0002   | Soil   | 0                   | 1                                   | 1                                        | 1                  | 1               | 1                                    |
| SS-09-0212   | Soil   | 0                   | 1                                   | 1                                        | 1                  | 1               | 1                                    |
| SS-10-0002   | Soil   | 0                   | 1                                   | 1                                        | 1                  | 1               | 1                                    |
| SS-10-0212   | Soil   | 0                   | 1                                   | 1                                        | 1                  | 1               | 1                                    |
| SS-11-0002   | Soil   | 0                   | 1                                   | 1                                        | 1                  | 1               | 1                                    |
| SS-11-0212   | Soil   | 0                   | 1                                   | 1                                        | 1                  | 1               | 1                                    |
| SS-12-0002   | Soil   | 0                   | 1                                   | 1                                        | 1                  | 1               | 1                                    |
| SS-12-0212   | Soil   | 0                   | 1                                   | 1                                        | 1                  | 1               | 1                                    |
| SS-13-0002   | Soil   | 0                   | 1                                   | 1                                        | 1                  | 1               | 1                                    |
| SS-13-0212   | Soil   | 0                   | 1                                   | 1                                        | 1                  | 1               | 1                                    |
| SS-14-0002   | Soil   | 0                   | 1                                   | 1                                        | 1                  | 1               | 1                                    |
| SS-14-0212   | Soil   | 0                   | 1                                   | 1                                        | 1                  | 1               | 1                                    |
| SS-15-0002   | Soil   | 0                   | 1                                   | 1                                        | 1                  | 1               | 1                                    |
| SS-15-0212   | Soil   | 0                   | 1                                   | 1                                        | 1                  | 1               | 1                                    |
| SS-16-0002   | Soil   | 0                   | 1                                   | 1                                        | 1                  | 1               | 1                                    |
| SS-16-0212   | Soil   | 0                   | 1                                   | 1                                        | 1                  | 1               | 1                                    |
| SS-17-0002   | Soil   | 0                   | 1                                   | 1                                        | 1                  | 1               | 1                                    |
| SS-17-0212   | Soil   | 0                   | 1                                   | 1                                        | 1                  | 1               | 1                                    |
| SS-18-0002   | Soil   | 0                   | 1                                   | 1                                        | 1                  | 1               | 1                                    |
| SS-18-0212   | Soil   | 0                   | 1                                   | 1                                        | 1                  | 1               | 1                                    |
| SS-19-0002   | Soil   | 0                   | 1                                   | 1                                        | 1                  | 1               | 1                                    |
| SS-19-0212   | Soil   | 0                   | 1                                   | 1                                        | 1                  | 1               | 1                                    |
| SS-20-0002   | Soil   | 0                   | 1                                   | 1                                        | 1                  | 1               | 1                                    |
| SS-20-0212   | Soil   | 0                   | 1                                   | 1                                        | 1                  | 1               | 1                                    |
| SS-21-0002   | Soil   | 0                   | 1                                   | 1                                        | 1                  | 1               | 1                                    |
| SS-21-0212   | Soil   | 0                   | 1                                   | 1                                        | 1                  | 1               | 1                                    |
| SS-22-0002   | Soil   | 0                   | 1                                   | 1                                        | 1                  | 1               | 1                                    |
| SS-22-0212   | Soil   | 0                   | 1                                   | 1                                        | 1                  | 1               | 1                                    |
| SS-23-0002   | Soil   | 0                   | 1                                   | 1                                        | 1                  | 1               | 1                                    |
| SS-23-0212   | Soil   | 0                   | 1                                   | 1                                        | 1                  | 1               | 1                                    |
| SS-24-0002   | Soil   | 0                   | 1                                   | 1                                        | 1                  | 1               | 1                                    |
| SS-24-0212   | Soil   | 0                   | 1                                   | 1                                        | 1                  | 1               | 1                                    |
| SS-25-0002   | Soil   | 0                   | 1                                   | 1                                        | 1                  | 1               | 1                                    |
| SS-25-0212   | Soil   | 0                   | 1                                   | 1                                        | 1                  | 1               | 1                                    |
| SS-FD        | Soil   | 0                   | 1                                   | 1                                        | 1                  | 1               | 1                                    |
| SS-FD        | Soil   | 0                   | 1                                   | 1                                        | 1                  | 1               | 1                                    |
| SS-FD        | Soil   | 0                   | 1                                   | 1                                        | 1                  | 1               | 1                                    |
| SS-MS        | Water  | 0                   | 1                                   | 1                                        | 1                  | 1               | 1                                    |
| SS-MS        | Water  | 0                   | 1                                   | 1                                        | 1                  | 1               | 1                                    |
| SS-MS        | Water  | 0                   | 1                                   | 1                                        | 1                  | 1               | 1                                    |
| SS-MSD       | Water  | 0                   | 1                                   | 1                                        | 1                  | 1               | 1                                    |
| SS-MSD       | Water  | 0                   | 1                                   | 1                                        | 1                  | 1               | 1                                    |
| SS-MSD       | Water  | 0                   | 1                                   | 1                                        | 1                  | 1               | 1                                    |
| SS-EB        | Water  | 0                   | 1                                   | 1                                        | 1                  | 1               | 1                                    |
| SS-EB        | Water  | 0                   | 1                                   | 1                                        | 1                  | 1               | 1                                    |
| SS-EB        | Water  | 0                   | 1                                   | 1                                        | 1                  | 1               | 1                                    |
| Test Trench  |        |                     |                                     |                                          |                    |                 |                                      |
| TT-1         | Soil   | 1                   | 1                                   | 1                                        | 1                  | 1               | 1                                    |
| TT-2         | Soil   | 1                   | 1                                   | 1                                        | 1                  | 1               | 1                                    |
| TT-3         | Soil   | 1                   | 1                                   | 1                                        | 1                  | 1               | 1                                    |
| TT-4         | Soil   | 1                   | 1                                   | 1                                        | 1                  | 1               | 1                                    |
| TT-5         | Soil   | 1                   | 1                                   | 1                                        | 1                  | 1               | 1                                    |
| TT-6         | Soil   | 1                   | 1                                   | 1                                        | 1                  | 1               | 1                                    |
| TT-FD        | Soil   | 1                   | 1                                   | 1                                        | 1                  | 1               | 1                                    |
| TT-MS        | Soil   | 1                   | 1                                   | 1                                        | 1                  | 1               | 1                                    |
| TT-MSD       | Soil   | 1                   | 1                                   | 1                                        | 1                  | 1               | 1                                    |
| TT-EB        | Soil   | 1                   | 1                                   | 1                                        | 1                  | 1               | 1                                    |

**Notes:**  
TT - Test Trench  
SS - Surface Soil Boring  
FD - Field Duplicate  
EB - Equipment (or Rinse) Blank  
TB - Trip Blank  
-MS - Matrix Spike Duplicate  
-MSD - Matrix Spike Duplicate

\*No VOC's were detected above background with PID and no unusual odors or staining were observed in the soil during the sampling, therefore, following discussions with NYSDEC, samples were not analyzed for VOCs.  
<sup>1</sup>SVOC to include Benzoic Acid  
<sup>2</sup>Target Analyte List (23 Metals); does not include Mercury  
<sup>3</sup>Pesticides to include Mirex

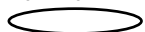


**TABLE 2**  
**SUMMARY OF SITE TEST TRENCH SOIL SAMPLING**  
**TARGET COMPOUND LIST VOC**  
**NIAGARA SANITATION**

| Location ID                       |       |           | TT-01               | TT-01               | TT-02               | TT-03              | TT-04              |
|-----------------------------------|-------|-----------|---------------------|---------------------|---------------------|--------------------|--------------------|
| Sample ID                         |       |           | TT01-5.5-7.0-210607 | TT51-5.5-7.0-210607 | TT02-3.5-4.0-210607 | TT03-02-5.5-210607 | TT04-04-4.5-210607 |
| Matrix                            |       |           | Soil                | Soil                | Soil                | Soil               | Soil               |
| Depth Interval (ft)               |       |           | 5.5-7.0             | 5.5-7.0             | 3.5-4.0             | 2.0-5.5            | 4.0-4.5            |
| Date Sampled                      |       |           | 06/07/21            | 06/07/21            | 06/07/21            | 06/07/21           | 06/07/21           |
| Parameter                         | Units | Criteria* |                     | Field Duplicate     |                     |                    |                    |
| <b>Volatile Organic Compounds</b> |       |           |                     |                     |                     |                    |                    |
| 1,1,2,2-Tetrachloroethane         | MG/KG | -         |                     |                     |                     |                    |                    |
| 1,2-Dichlorobenzene               | MG/KG | 500       |                     |                     |                     | 0.0012 J           | 0.00074 J          |
| 1,4-Dichlorobenzene               | MG/KG | 130       | 0.0016 J            | 0.0016 J            | 0.14 J              | 0.0094             | 0.0059 J           |
| Acetone                           | MG/KG | 500       | 0.010 J             |                     | 0.14 J              | 0.063              | 0.045              |
| Benzene                           | MG/KG | 44        | 0.00060 J           |                     | 0.0056 J            | 0.0024 J           | 0.0032 J           |
| Carbon disulfide                  | MG/KG | -         |                     |                     | 0.0048 J            |                    | 0.0045 J           |
| Chlorobenzene                     | MG/KG | 500       | 0.0039 J            | 0.00092 J           | 0.13 J              | 0.014              | 0.013              |
| Cyclohexane                       | MG/KG | -         |                     |                     | 0.0025 J            |                    |                    |
| Ethylbenzene                      | MG/KG | 390       | 0.00057 J           |                     |                     | 0.0082             | 0.0037 J           |
| Isopropylbenzene (Cumene)         | MG/KG | -         | 0.0026 J            |                     | 0.17 J              | 0.014              | 0.020              |
| Methyl ethyl ketone (2-Butanone)  | MG/KG | 500       |                     |                     | 0.015 J             | 0.011 J            | 0.011 J            |
| Methylcyclohexane                 | MG/KG | -         |                     |                     | 0.0067 J            |                    | 0.0022 J           |
| Methylene chloride                | MG/KG | 500       | 0.0068              |                     |                     | 0.015              | 0.0083             |
| Toluene                           | MG/KG | 500       |                     |                     | 0.0028 J            | 0.00093 J          | 0.0011 J           |
| Xylene (total)                    | MG/KG | 500       | 0.039               | 0.0020 J            | 0.041 J             | 0.065              | 0.083              |

\*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Commercial, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.



Concentration Exceeds Criteria

- = No standard, criteria or guidance value. Empty Cell - Not Detected. MG/KG - milligrams per kilogram.

J - The reported concentration is an estimated value.

VOC - Volatile Organic Compound

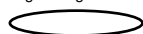
Only Detected Results Reported.

**TABLE 2**  
**SUMMARY OF SITE TEST TRENCH SOIL SAMPLING**  
**TARGET COMPOUND LIST VOC**  
**NIAGARA SANITATION**

| Location ID                       |       |           | TT-05               | TT-06               |
|-----------------------------------|-------|-----------|---------------------|---------------------|
| Sample ID                         |       |           | TT05-4.5-5.0-210607 | TT06-4.5-5.0-210607 |
| Matrix                            |       |           | Soil                | Soil                |
| Depth Interval (ft)               |       |           | 4.5-5.0             | 4.5-5.0             |
| Date Sampled                      |       |           | 06/07/21            | 06/07/21            |
| Parameter                         | Units | Criteria* |                     |                     |
| <b>Volatile Organic Compounds</b> |       |           |                     |                     |
| 1,1,2,2-Tetrachloroethane         | MG/KG | -         |                     | 0.0035 J            |
| 1,2-Dichlorobenzene               | MG/KG | 500       |                     | 0.00092 J           |
| 1,4-Dichlorobenzene               | MG/KG | 130       | 0.0048 J            | 0.013               |
| Acetone                           | MG/KG | 500       | 0.041               | 0.049               |
| Benzene                           | MG/KG | 44        | 0.0043 J            | 0.0044 J            |
| Carbon disulfide                  | MG/KG | -         | 0.0074              | 0.010               |
| Chlorobenzene                     | MG/KG | 500       | 0.014               | 0.022               |
| Cyclohexane                       | MG/KG | -         | 0.0011 J            |                     |
| Ethylbenzene                      | MG/KG | 390       | 0.0047 J            | 0.0029 J            |
| Isopropylbenzene (Cumene)         | MG/KG | -         | 0.019               | 0.026               |
| Methyl ethyl ketone (2-Butanone)  | MG/KG | 500       | 0.0096 J            | 0.012 J             |
| Methylcyclohexane                 | MG/KG | -         | 0.0027 J            | 0.0024 J            |
| Methylene chloride                | MG/KG | 500       | 0.0094              | 0.011               |
| Toluene                           | MG/KG | 500       |                     | 0.00076 J           |
| Xylene (total)                    | MG/KG | 500       | 0.057               | 0.15                |

\*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Commercial, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.



Concentration Exceeds Criteria

- = No standard, criteria or guidance value. Empty Cell - Not Detected. MG/KG - milligrams per kilogram.

J - The reported concentration is an estimated value.

VOC - Volatile Organic Compound

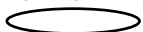
Only Detected Results Reported.

**TABLE 3**  
**SUMMARY OF SITE TEST TRENCH SOIL SAMPLING**  
**TARGET COMPOUND LIST SVOC**  
**NIAGARA SANITATION**

| Location ID                           |       |           | TT-01               | TT-01               | TT-02               | TT-03              | TT-04              |
|---------------------------------------|-------|-----------|---------------------|---------------------|---------------------|--------------------|--------------------|
| Sample ID                             |       |           | TT01-5.5-7.0-210607 | TT51-5.5-7.0-210607 | TT02-3.5-4.0-210607 | TT03-02-5.5-210607 | TT04-04-4.5-210607 |
| Matrix                                |       |           | Soil                | Soil                | Soil                | Soil               | Soil               |
| Depth Interval (ft)                   |       |           | 5.5-7.0             | 5.5-7.0             | 3.5-4.0             | 2.0-5.5            | 4.0-4.5            |
| Date Sampled                          |       |           | 06/07/21            | 06/07/21            | 06/07/21            | 06/07/21           | 06/07/21           |
| Parameter                             | Units | Criteria* |                     | Field Duplicate     |                     |                    |                    |
| <b>Semivolatile Organic Compounds</b> |       |           |                     |                     |                     |                    |                    |
| 1,1-Biphenyl                          | MG/KG | -         |                     |                     |                     | 0.041 J            | 0.085 J            |
| 4-Methylphenol (p-cresol)             | MG/KG | 500       |                     |                     |                     |                    | 0.041 J            |
| Benzo(a)anthracene                    | MG/KG | 5.6       |                     |                     |                     | 0.088 J            |                    |
| Benzo(a)pyrene                        | MG/KG | 1         |                     |                     |                     | 0.056 J            |                    |
| Benzo(b)fluoranthene                  | MG/KG | 5.6       |                     |                     |                     | 0.062 J            |                    |
| Benzo(g,h,i)perylene                  | MG/KG | 500       |                     |                     |                     | 0.037 J            |                    |
| Benzo(k)fluoranthene                  | MG/KG | 56        |                     |                     |                     | 0.042 J            |                    |
| bis(2-Ethylhexyl)phthalate            | MG/KG | -         | 0.70                | 0.54                | 17                  | 1.4                | 0.40               |
| Butylbenzylphthalate                  | MG/KG | -         |                     |                     |                     | 1.8                |                    |
| Carbazole                             | MG/KG | -         |                     |                     |                     | 0.085 J            |                    |
| Chrysene                              | MG/KG | 56        |                     |                     |                     | 0.065 J            |                    |
| Di-n-butylphthalate                   | MG/KG | -         |                     | 0.067 J             |                     |                    | 0.061 J            |
| Fluoranthene                          | MG/KG | 500       |                     |                     |                     | 0.26               |                    |
| Indeno(1,2,3-cd)pyrene                | MG/KG | 5.6       |                     |                     |                     | 0.033 J            |                    |
| Naphthalene                           | MG/KG | 500       |                     |                     |                     | 0.052 J            |                    |
| Phenanthrene                          | MG/KG | 500       |                     |                     |                     | 0.21 J             |                    |
| Pyrene                                | MG/KG | 500       |                     |                     |                     | 0.25               |                    |

\*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Commercial, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.



Concentration Exceeds Criteria

- = No standard, criteria or guidance value. Empty Cell - Not Detected. MG/KG - milligrams per kilogram.

J - The reported concentration is an estimated value.

SVOC - Semivolatile Organic Compound

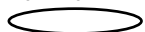
Only Detected Results Reported.

**TABLE 3**  
**SUMMARY OF SITE TEST TRENCH SOIL SAMPLING**  
**TARGET COMPOUND LIST SVOC**  
**NIAGARA SANITATION**

| Location ID                           |       |           | TT-05               | TT-06               |
|---------------------------------------|-------|-----------|---------------------|---------------------|
| Sample ID                             |       |           | TT05-4.5-5.0-210607 | TT06-4.5-5.0-210607 |
| Matrix                                |       |           | Soil                | Soil                |
| Depth Interval (ft)                   |       |           | 4.5-5.0             | 4.5-5.0             |
| Date Sampled                          |       |           | 06/07/21            | 06/07/21            |
| Parameter                             | Units | Criteria* |                     |                     |
| <b>Semivolatile Organic Compounds</b> |       |           |                     |                     |
| 1,1-Biphenyl                          | MG/KG | -         |                     |                     |
| 4-Methylphenol (p-cresol)             | MG/KG | 500       |                     |                     |
| Benzo(a)anthracene                    | MG/KG | 5.6       |                     |                     |
| Benzo(a)pyrene                        | MG/KG | 1         |                     |                     |
| Benzo(b)fluoranthene                  | MG/KG | 5.6       |                     |                     |
| Benzo(g,h,i)perylene                  | MG/KG | 500       |                     |                     |
| Benzo(k)fluoranthene                  | MG/KG | 56        |                     |                     |
| bis(2-Ethylhexyl)phthalate            | MG/KG | -         | 0.25                |                     |
| Butylbenzylphthalate                  | MG/KG | -         |                     | 5.7 J               |
| Carbazole                             | MG/KG | -         |                     |                     |
| Chrysene                              | MG/KG | 56        |                     |                     |
| Di-n-butylphthalate                   | MG/KG | -         |                     |                     |
| Fluoranthene                          | MG/KG | 500       |                     |                     |
| Indeno(1,2,3-cd)pyrene                | MG/KG | 5.6       |                     |                     |
| Naphthalene                           | MG/KG | 500       |                     |                     |
| Phenanthrene                          | MG/KG | 500       |                     |                     |
| Pyrene                                | MG/KG | 500       |                     |                     |

\*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Commercial, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.



Concentration Exceeds Criteria

- = No standard, criteria or guidance value. Empty Cell - Not Detected. MG/KG - milligrams per kilogram.

J - The reported concentration is an estimated value.

SVOC - Semivolatile Organic Compound

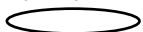
Only Detected Results Reported.

**TABLE 4**  
**SUMMARY OF SITE TEST TRENCH SOIL SAMPLING**  
**TARGET COMPOUND LIST METALS**  
**NIAGARA SANITATION**

| Location ID         |       |           | TT-01               | TT-01               | TT-02               | TT-03              | TT-04              |
|---------------------|-------|-----------|---------------------|---------------------|---------------------|--------------------|--------------------|
| Sample ID           |       |           | TT01-5.5-7.0-210607 | TT51-5.5-7.0-210607 | TT02-3.5-4.0-210607 | TT03-02-5.5-210607 | TT04-04-4.5-210607 |
| Matrix              |       |           | Soil                | Soil                | Soil                | Soil               | Soil               |
| Depth Interval (ft) |       |           | 5.5-7.0             | 5.5-7.0             | 3.5-4.0             | 2.0-5.5            | 4.0-4.5            |
| Date Sampled        |       |           | 06/07/21            | 06/07/21            | 06/07/21            | 06/07/21           | 06/07/21           |
| Parameter           | Units | Criteria* |                     | Field Duplicate     |                     |                    |                    |
| Metals              |       |           |                     |                     |                     |                    |                    |
| Aluminum            | MG/KG | -         | 12,600              | 14,900              | 7,950 J             | 21,200             | 8,930              |
| Arsenic             | MG/KG | 16        | 2.9                 | 3.0                 | 5.3                 | 4.6                | 8.3                |
| Barium              | MG/KG | 400       | 74.8                | 88.7                | 170 J               | 115                | 64.7               |
| Beryllium           | MG/KG | 590       | 0.58                | 0.70                | 0.28 J              | 0.92               | 0.38               |
| Cadmium             | MG/KG | 9.3       | 0.51 J              | 0.29 J              | 6.1                 | 6.5                | 1.1                |
| Calcium             | MG/KG | -         | 40,800              | 53,500              | 11,200 J            | 50,200             | 56,300             |
| Chromium            | MG/KG | 1500      | 17.2                | 21.0                | 50.9 J              | 34.1               | 27.9               |
| Cobalt              | MG/KG | -         | 7.1                 | 9.3                 | 5.8                 | 13.8               | 9.0                |
| Copper              | MG/KG | 270       | 22.7                | 17.9                | 77.1 J              | 36.1               | 38.6               |
| Iron                | MG/KG | -         | 18,300              | 23,400              | 41,900              | 39,900             | 30,800             |
| Lead                | MG/KG | 1000      | 41.5                | 12.3 J              | 471                 | 319                | 29.4               |
| Magnesium           | MG/KG | -         | 12,100              | 14,600              | 4,040               | 13,900             | 21,000             |
| Manganese           | MG/KG | 10000     | 332 J               | 552 J               | 286                 | 571                | 500                |
| Mercury             | MG/KG | 2.8       | 0.040               | 0.058               | 1.3 J               | 0.049              | 0.41               |
| Nickel              | MG/KG | 310       | 18.0                | 23.3                | 89.4 J              | 36.7               | 26.2               |
| Potassium           | MG/KG | -         | 2,630               | 4,090               | 1,020               | 5,920              | 2,230              |
| Silver              | MG/KG | 1500      |                     |                     | 1.1                 |                    |                    |
| Sodium              | MG/KG | -         | 221                 | 276                 |                     | 329                | 242                |
| Vanadium            | MG/KG | -         | 25.5                | 32.5                | 265                 | 43.1               | 23.3               |
| Zinc                | MG/KG | 10000     | 89.3                | 55.0                | 235 J               | 182                | 245                |

\*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Commercial, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.



Concentration Exceeds Criteria

- = No standard, criteria or guidance value. Empty Cell - Not Detected. MG/KG - milligrams per kilogram.

J - The reported concentration is an estimated value.

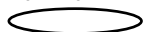
Only Detected Results Reported.

**TABLE 4**  
**SUMMARY OF SITE TEST TRENCH SOIL SAMPLING**  
**TARGET COMPOUND LIST METALS**  
**NIAGARA SANITATION**

| Location ID         |       |           | TT-05               | TT-06               |
|---------------------|-------|-----------|---------------------|---------------------|
| Sample ID           |       |           | TT05-4.5-5.0-210607 | TT06-4.5-5.0-210607 |
| Matrix              |       |           | Soil                | Soil                |
| Depth Interval (ft) |       |           | 4.5-5.0             | 4.5-5.0             |
| Date Sampled        |       |           | 06/07/21            | 06/07/21            |
| Parameter           | Units | Criteria* |                     |                     |
| <b>Metals</b>       |       |           |                     |                     |
| Aluminum            | MG/KG | -         | 13,500              | 14,700              |
| Arsenic             | MG/KG | 16        | 7.5                 | 4.3                 |
| Barium              | MG/KG | 400       | 145                 | 357                 |
| Beryllium           | MG/KG | 590       | 0.62                | 0.40                |
| Cadmium             | MG/KG | 9.3       | 1.7                 | 15.6                |
| Calcium             | MG/KG | -         | 43,800              | 59,100              |
| Chromium            | MG/KG | 1500      | 28.0                | 701                 |
| Cobalt              | MG/KG | -         | 11.0                | 7.0                 |
| Copper              | MG/KG | 270       | 37.5                | 160                 |
| Iron                | MG/KG | -         | 53,700              | 24,600              |
| Lead                | MG/KG | 1000      | 50.5                | 274                 |
| Magnesium           | MG/KG | -         | 12,800              | 11,400              |
| Manganese           | MG/KG | 10000     | 522                 | 368                 |
| Mercury             | MG/KG | 2.8       | 0.75                | 0.41                |
| Nickel              | MG/KG | 310       | 34.0                | 32.5                |
| Potassium           | MG/KG | -         | 3,290               | 2,490               |
| Silver              | MG/KG | 1500      |                     | 0.49 J              |
| Sodium              | MG/KG | -         | 251                 | 290                 |
| Vanadium            | MG/KG | -         | 28.3                | 21.5                |
| Zinc                | MG/KG | 10000     | 235                 | 925                 |

\*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Commercial, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.



Concentration Exceeds Criteria

- = No standard, criteria or guidance value. Empty Cell - Not Detected. MG/KG - milligrams per kilogram.

J - The reported concentration is an estimated value.

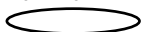
Only Detected Results Reported.

**TABLE 5**  
**SUMMARY OF SITE TEST TRENCH SOIL SAMPLING**  
**TARGET COMPOUND LIST PCBs/PESTICIDES**  
**NIAGARA SANITATION**

| Location ID                        |       |           | TT-01               | TT-01               | TT-02               | TT-03              | TT-04              |
|------------------------------------|-------|-----------|---------------------|---------------------|---------------------|--------------------|--------------------|
| Sample ID                          |       |           | TT01-5.5-7.0-210607 | TT51-5.5-7.0-210607 | TT02-3.5-4.0-210607 | TT03-02-5.5-210607 | TT04-04-4.5-210607 |
| Matrix                             |       |           | Soil                | Soil                | Soil                | Soil               | Soil               |
| Depth Interval (ft)                |       |           | 5.5-7.0             | 5.5-7.0             | 3.5-4.0             | 2.0-5.5            | 4.0-4.5            |
| Date Sampled                       |       |           | 06/07/21            | 06/07/21            | 06/07/21            | 06/07/21           | 06/07/21           |
| Parameter                          | Units | Criteria* |                     | Field Duplicate     |                     |                    |                    |
| <b>Pesticide Organic Compounds</b> |       |           |                     |                     |                     |                    |                    |
| 4,4'-DDD                           | MG/KG | 92        | 0.010               | 0.17                | 0.021 J             | 0.0070 J           |                    |
| 4,4'-DDE                           | MG/KG | 62        |                     | 0.0052 J            |                     | 0.0024 J           |                    |
| 4,4'-DDT                           | MG/KG | 47        |                     | 0.049               |                     | 0.0078 J           |                    |
| alpha-Chlordane                    | MG/KG | 24        |                     |                     |                     | 0.0014 J           |                    |
| beta-BHC                           | MG/KG | 3         |                     |                     |                     | 0.0010 R           |                    |
| Dieldrin                           | MG/KG | 1.4       | 0.00072 J           |                     |                     | 0.0030 J           |                    |
| Endosulfan I                       | MG/KG | 200       |                     |                     |                     | 0.0013 J           |                    |
| Endrin                             | MG/KG | 89        |                     |                     |                     | 0.0010 J           |                    |
| Endrin aldehyde                    | MG/KG | -         | 0.00099 J           |                     |                     | 0.050 J            |                    |
| Endrin ketone                      | MG/KG | -         |                     |                     |                     | 0.0016 R           |                    |
| gamma-BHC (Lindane)                | MG/KG | 9.2       |                     |                     |                     | 0.0010 R           |                    |
| Heptachlor                         | MG/KG | 15        |                     |                     |                     | 0.0085 J           |                    |
| Methoxychlor                       | MG/KG | -         |                     |                     |                     | 0.0036 J           |                    |
| Mirex                              | MG/KG | -         |                     |                     |                     | 0.0081 J           | 0.011 J            |
| trans-Chlordane                    | MG/KG | -         |                     |                     |                     | 0.0090 J           |                    |
| <b>Polychlorinated Biphenyls</b>   |       |           |                     |                     |                     |                    |                    |
| Aroclor 1242                       | MG/KG | -         | 0.056 J             | 0.060 J             | 0.81 J              | 0.12 J             | 0.24 J             |
| Aroclor 1254                       | MG/KG | -         |                     |                     | 0.19 J              |                    |                    |
| Total Polychlorinated Biphenyls    | MG/KG | 1         | 0.056               | 0.06                | 1                   | 0.12               | 0.24               |

\*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Commercial, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.



Concentration Exceeds Criteria

- = No standard, criteria or guidance value. Empty Cell - Not Detected. MG/KG - milligrams per kilogram.

J - The reported concentration is an estimated value. R - The data is rejected.

PCBs - Polychlorinated Biphenyls

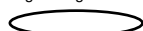
Only Detected Results Reported.

**TABLE 5**  
**SUMMARY OF SITE TEST TRENCH SOIL SAMPLING**  
**TARGET COMPOUND LIST PCBs/PESTICIDES**  
**NIAGARA SANITATION**

| Location ID                        |       |           | TT-05               | TT-06               |
|------------------------------------|-------|-----------|---------------------|---------------------|
| Sample ID                          |       |           | TT05-4.5-5.0-210607 | TT06-4.5-5.0-210607 |
| Matrix                             |       |           | Soil                | Soil                |
| Depth Interval (ft)                |       |           | 4.5-5.0             | 4.5-5.0             |
| Date Sampled                       |       |           | 06/07/21            | 06/07/21            |
| Parameter                          | Units | Criteria* |                     |                     |
| <b>Pesticide Organic Compounds</b> |       |           |                     |                     |
| 4,4'-DDD                           | MG/KG | 92        | 0.0060              |                     |
| 4,4'-DDE                           | MG/KG | 62        |                     |                     |
| 4,4'-DDT                           | MG/KG | 47        |                     |                     |
| alpha-Chlordane                    | MG/KG | 24        |                     |                     |
| beta-BHC                           | MG/KG | 3         |                     |                     |
| Dieldrin                           | MG/KG | 1.4       |                     |                     |
| Endosulfan I                       | MG/KG | 200       |                     |                     |
| Endrin                             | MG/KG | 89        |                     |                     |
| Endrin aldehyde                    | MG/KG | -         | 0.00097 J           | 1.3                 |
| Endrin ketone                      | MG/KG | -         | 0.0014 J            |                     |
| gamma-BHC (Lindane)                | MG/KG | 9.2       |                     |                     |
| Heptachlor                         | MG/KG | 15        | 0.0020 J            |                     |
| Methoxychlor                       | MG/KG | -         | 0.00097 J           |                     |
| Mirex                              | MG/KG | -         |                     |                     |
| trans-Chlordane                    | MG/KG | -         |                     |                     |
| <b>Polychlorinated Biphenyls</b>   |       |           |                     |                     |
| Aroclor 1242                       | MG/KG | -         | 0.22 J              | 0.28 J              |
| Aroclor 1254                       | MG/KG | -         |                     |                     |
| Total Polychlorinated Biphenyls    | MG/KG | 1         | 0.22                | 0.28                |

\*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Commercial, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.



Concentration Exceeds Criteria

- = No standard, criteria or guidance value. Empty Cell - Not Detected. MG/KG - milligrams per kilogram.

J - The reported concentration is an estimated value. R - The data is rejected.

PCBs - Polychlorinated Biphenyls

Only Detected Results Reported.

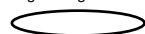


**TABLE 6**  
**SUMMARY OF SITE SURFACE SOIL SAMPLING**  
**TARGET COMPOUND LIST SVOC**  
**NIAGARA SANITATION**

| Location ID                           |       |           | SS-01               | SS-01               | SS-02               | SS-02               | SS-03               |
|---------------------------------------|-------|-----------|---------------------|---------------------|---------------------|---------------------|---------------------|
| Sample ID                             |       |           | SS-01-0002-20210621 | SS-01-0212-20210621 | SS-02-0002-20210621 | SS-02-0212-20210621 | SS-03-0002-20210621 |
| Matrix                                |       |           | Soil                | Soil                | Soil                | Soil                | Soil                |
| Depth Interval (in)                   |       |           | 0.0-2.0             | 2.0-12.0            | 0.0-2.0             | 2.0-12.0            | 0.0-2.0             |
| Date Sampled                          |       |           | 06/21/21            | 06/21/21            | 06/21/21            | 06/21/21            | 06/21/21            |
| Parameter                             | Units | Criteria* |                     |                     |                     |                     |                     |
| <b>Semivolatile Organic Compounds</b> |       |           |                     |                     |                     |                     |                     |
| 2-Methylnaphthalene                   | MG/KG | -         |                     |                     |                     |                     |                     |
| 4-Methylphenol (p-cresol)             | MG/KG | 500       |                     |                     |                     |                     |                     |
| Acenaphthene                          | MG/KG | 500       |                     |                     |                     |                     |                     |
| Acenaphthylene                        | MG/KG | 500       |                     |                     |                     |                     |                     |
| Acetophenone                          | MG/KG | -         |                     |                     |                     |                     |                     |
| Anthracene                            | MG/KG | 500       |                     |                     |                     |                     |                     |
| Benzo(a)anthracene                    | MG/KG | 5.6       |                     |                     |                     |                     |                     |
| Benzo(a)pyrene                        | MG/KG | 1         |                     |                     |                     |                     |                     |
| Benzo(b)fluoranthene                  | MG/KG | 5.6       |                     |                     |                     |                     |                     |
| Benzo(g,h,i)perylene                  | MG/KG | 500       |                     |                     |                     |                     |                     |
| Benzo(k)fluoranthene                  | MG/KG | 56        |                     |                     |                     |                     |                     |
| bis(2-Ethylhexyl)phthalate            | MG/KG | -         |                     |                     |                     |                     | 0.22 J              |
| Butylbenzylphthalate                  | MG/KG | -         |                     |                     |                     |                     |                     |
| Carbazole                             | MG/KG | -         |                     |                     |                     |                     |                     |
| Chrysene                              | MG/KG | 56        |                     |                     |                     |                     |                     |
| Dibenz(a,h)anthracene                 | MG/KG | 0.56      |                     |                     |                     |                     |                     |
| Dibenzofuran                          | MG/KG | 350       |                     |                     |                     |                     |                     |
| Di-n-butylphthalate                   | MG/KG | -         |                     |                     |                     |                     |                     |
| Fluoranthene                          | MG/KG | 500       | 0.043 J             | 0.021 J             |                     |                     |                     |
| Fluorene                              | MG/KG | 500       |                     |                     |                     |                     |                     |
| Indeno(1,2,3-cd)pyrene                | MG/KG | 5.6       |                     |                     |                     |                     |                     |
| Naphthalene                           | MG/KG | 500       |                     |                     |                     |                     |                     |

\*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Commercial, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.



Concentration Exceeds Criteria

- = No standard, criteria or guidance value. Empty Cell - Not Detected. MG/KG - milligrams per kilogram.

J - The reported concentration is an estimated value.

SVOC - Semivolatile Organic Compound

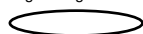
Only Detected Results Reported.

**TABLE 6**  
**SUMMARY OF SITE SURFACE SOIL SAMPLING**  
**TARGET COMPOUND LIST SVOC**  
**NIAGARA SANITATION**

| Location ID                    |       |           | SS-01               | SS-01               | SS-02               | SS-02               | SS-03               |
|--------------------------------|-------|-----------|---------------------|---------------------|---------------------|---------------------|---------------------|
| Sample ID                      |       |           | SS-01-0002-20210621 | SS-01-0212-20210621 | SS-02-0002-20210621 | SS-02-0212-20210621 | SS-03-0002-20210621 |
| Matrix                         |       |           | Soil                | Soil                | Soil                | Soil                | Soil                |
| Depth Interval (in)            |       |           | 0.0-2.0             | 2.0-12.0            | 0.0-2.0             | 2.0-12.0            | 0.0-2.0             |
| Date Sampled                   |       |           | 06/21/21            | 06/21/21            | 06/21/21            | 06/21/21            | 06/21/21            |
| Parameter                      | Units | Criteria* |                     |                     |                     |                     |                     |
| Semivolatile Organic Compounds |       |           |                     |                     |                     |                     |                     |
| Phenanthrene                   | MG/KG | 500       |                     |                     |                     |                     |                     |
| Phenol                         | MG/KG | 500       |                     |                     |                     | 0.042 J             |                     |
| Pyrene                         | MG/KG | 500       | 0.038 J             |                     |                     |                     |                     |

\*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Commercial, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.



Concentration Exceeds Criteria

- = No standard, criteria or guidance value. Empty Cell - Not Detected. MG/KG - milligrams per kilogram.

J - The reported concentration is an estimated value.

SVOC - Semivolatile Organic Compound

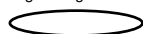
Only Detected Results Reported.

**TABLE 6**  
**SUMMARY OF SITE SURFACE SOIL SAMPLING**  
**TARGET COMPOUND LIST SVOC**  
**NIAGARA SANITATION**

| Location ID                           |       |           | SS-03               | SS-04               | SS-04               | SS-05               | SS-05               |
|---------------------------------------|-------|-----------|---------------------|---------------------|---------------------|---------------------|---------------------|
| Sample ID                             |       |           | SS-03-0212-20210621 | SS-04-0002-20210622 | SS-04-0212-20210622 | SS-05-0002-20210622 | SS-05-0212-20210622 |
| Matrix                                |       |           | Soil                | Soil                | Soil                | Soil                | Soil                |
| Depth Interval (in)                   |       |           | 2.0-12.0            | 0.0-2.0             | 2.0-12.0            | 0.0-2.0             | 2.0-12.0            |
| Date Sampled                          |       |           | 06/21/21            | 06/22/21            | 06/22/21            | 06/22/21            | 06/22/21            |
| Parameter                             | Units | Criteria* |                     |                     |                     |                     |                     |
| <b>Semivolatile Organic Compounds</b> |       |           |                     |                     |                     |                     |                     |
| 2-Methylnaphthalene                   | MG/KG | -         |                     |                     |                     |                     |                     |
| 4-Methylphenol (p-cresol)             | MG/KG | 500       |                     |                     |                     |                     |                     |
| Acenaphthene                          | MG/KG | 500       |                     |                     |                     |                     |                     |
| Acenaphthylene                        | MG/KG | 500       |                     |                     |                     |                     |                     |
| Acetophenone                          | MG/KG | -         |                     |                     |                     |                     |                     |
| Anthracene                            | MG/KG | 500       |                     |                     |                     |                     |                     |
| Benzo(a)anthracene                    | MG/KG | 5.6       |                     | 0.14 J              | 0.26 J              |                     |                     |
| Benzo(a)pyrene                        | MG/KG | 1         |                     | 0.15 J              | 0.25 J              |                     |                     |
| Benzo(b)fluoranthene                  | MG/KG | 5.6       |                     | 0.19 J              | 0.32 J              |                     |                     |
| Benzo(g,h,i)perylene                  | MG/KG | 500       |                     | 0.11 J              | 0.17 J              |                     |                     |
| Benzo(k)fluoranthene                  | MG/KG | 56        |                     | 0.087 J             | 0.14 J              |                     |                     |
| bis(2-Ethylhexyl)phthalate            | MG/KG | -         | 0.18 J              | 0.18 J              | 0.49 J              |                     |                     |
| Butylbenzylphthalate                  | MG/KG | -         |                     |                     |                     |                     |                     |
| Carbazole                             | MG/KG | -         |                     |                     |                     |                     |                     |
| Chrysene                              | MG/KG | 56        |                     | 0.16 J              | 0.33 J              |                     |                     |
| Dibenz(a,h)anthracene                 | MG/KG | 0.56      |                     | 0.044 J             |                     |                     |                     |
| Dibenzofuran                          | MG/KG | 350       |                     |                     |                     |                     |                     |
| Di-n-butylphthalate                   | MG/KG | -         | 0.32                |                     |                     |                     |                     |
| Fluoranthene                          | MG/KG | 500       |                     | 0.21 J              | 0.57 J              | 0.056 J             |                     |
| Fluorene                              | MG/KG | 500       |                     |                     |                     |                     |                     |
| Indeno(1,2,3-cd)pyrene                | MG/KG | 5.6       |                     | 0.097 J             | 0.16 J              |                     |                     |
| Naphthalene                           | MG/KG | 500       |                     |                     |                     |                     |                     |

\*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Commercial, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.



Concentration Exceeds Criteria

- = No standard, criteria or guidance value. Empty Cell - Not Detected. MG/KG - milligrams per kilogram.

J - The reported concentration is an estimated value.

SVOC - Semivolatile Organic Compound

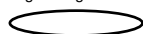
Only Detected Results Reported.

**TABLE 6**  
**SUMMARY OF SITE SURFACE SOIL SAMPLING**  
**TARGET COMPOUND LIST SVOC**  
**NIAGARA SANITATION**

| Location ID                    |       |           | SS-03               | SS-04               | SS-04               | SS-05               | SS-05               |
|--------------------------------|-------|-----------|---------------------|---------------------|---------------------|---------------------|---------------------|
| Sample ID                      |       |           | SS-03-0212-20210621 | SS-04-0002-20210622 | SS-04-0212-20210622 | SS-05-0002-20210622 | SS-05-0212-20210622 |
| Matrix                         |       |           | Soil                | Soil                | Soil                | Soil                | Soil                |
| Depth Interval (in)            |       |           | 2.0-12.0            | 0.0-2.0             | 2.0-12.0            | 0.0-2.0             | 2.0-12.0            |
| Date Sampled                   |       |           | 06/21/21            | 06/22/21            | 06/22/21            | 06/22/21            | 06/22/21            |
| Parameter                      | Units | Criteria* |                     |                     |                     |                     |                     |
| Semivolatile Organic Compounds |       |           |                     |                     |                     |                     |                     |
| Phenanthrene                   | MG/KG | 500       |                     | 0.096 J             | 0.54 J              |                     |                     |
| Phenol                         | MG/KG | 500       |                     |                     |                     |                     |                     |
| Pyrene                         | MG/KG | 500       |                     | 0.18 J              | 0.48 J              | 0.056 J             |                     |

\*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Commercial, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.



Concentration Exceeds Criteria

- = No standard, criteria or guidance value. Empty Cell - Not Detected. MG/KG - milligrams per kilogram.

J - The reported concentration is an estimated value.

SVOC - Semivolatile Organic Compound

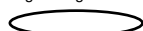
Only Detected Results Reported.

**TABLE 6**  
**SUMMARY OF SITE SURFACE SOIL SAMPLING**  
**TARGET COMPOUND LIST SVOC**  
**NIAGARA SANITATION**

| Location ID                           |       |           | SS-06               | SS-06               | SS-07               | SS-07               | SS-08               |
|---------------------------------------|-------|-----------|---------------------|---------------------|---------------------|---------------------|---------------------|
| Sample ID                             |       |           | SS-06-0002-20210622 | SS-06-0212-20210622 | SS-07-0002-20210622 | SS-07-0212-20210622 | SS-08-0002-20210622 |
| Matrix                                |       |           | Soil                | Soil                | Soil                | Soil                | Soil                |
| Depth Interval (in)                   |       |           | 0.0-2.0             | 2.0-12.0            | 0.0-2.0             | 2.0-12.0            | 0.0-2.0             |
| Date Sampled                          |       |           | 06/22/21            | 06/22/21            | 06/22/21            | 06/22/21            | 06/22/21            |
| Parameter                             | Units | Criteria* |                     |                     |                     |                     |                     |
| <b>Semivolatile Organic Compounds</b> |       |           |                     |                     |                     |                     |                     |
| 2-Methylnaphthalene                   | MG/KG | -         |                     |                     |                     |                     |                     |
| 4-Methylphenol (p-cresol)             | MG/KG | 500       |                     |                     |                     |                     |                     |
| Acenaphthene                          | MG/KG | 500       |                     |                     |                     |                     |                     |
| Acenaphthylene                        | MG/KG | 500       |                     |                     |                     |                     |                     |
| Acetophenone                          | MG/KG | -         |                     |                     |                     |                     |                     |
| Anthracene                            | MG/KG | 500       |                     |                     |                     |                     |                     |
| Benzo(a)anthracene                    | MG/KG | 5.6       |                     |                     |                     |                     |                     |
| Benzo(a)pyrene                        | MG/KG | 1         |                     |                     | 0.032 J             | 0.032 J             |                     |
| Benzo(b)fluoranthene                  | MG/KG | 5.6       |                     |                     | 0.048 J             | 0.052 J             |                     |
| Benzo(g,h,i)perylene                  | MG/KG | 500       |                     |                     | 0.034 J             |                     | 0.039 J             |
| Benzo(k)fluoranthene                  | MG/KG | 56        |                     |                     |                     |                     |                     |
| bis(2-Ethylhexyl)phthalate            | MG/KG | -         |                     |                     | 0.11 J              | 0.12 J              |                     |
| Butylbenzylphthalate                  | MG/KG | -         |                     |                     |                     | 0.053 J             |                     |
| Carbazole                             | MG/KG | -         |                     |                     |                     |                     |                     |
| Chrysene                              | MG/KG | 56        |                     |                     |                     |                     |                     |
| Dibenz(a,h)anthracene                 | MG/KG | 0.56      |                     |                     |                     |                     |                     |
| Dibenzofuran                          | MG/KG | 350       |                     |                     |                     |                     |                     |
| Di-n-butylphthalate                   | MG/KG | -         |                     |                     |                     |                     |                     |
| Fluoranthene                          | MG/KG | 500       | 0.031 J             |                     | 0.055 J             | 0.053 J             | 0.061 J             |
| Fluorene                              | MG/KG | 500       |                     |                     |                     |                     |                     |
| Indeno(1,2,3-cd)pyrene                | MG/KG | 5.6       |                     |                     |                     | 0.026 J             | 0.034 J             |
| Naphthalene                           | MG/KG | 500       |                     |                     |                     |                     |                     |

\*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Commercial, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.



Concentration Exceeds Criteria

- = No standard, criteria or guidance value. Empty Cell - Not Detected. MG/KG - milligrams per kilogram.

J - The reported concentration is an estimated value.

SVOC - Semivolatile Organic Compound

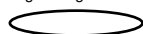
Only Detected Results Reported.

**TABLE 6**  
**SUMMARY OF SITE SURFACE SOIL SAMPLING**  
**TARGET COMPOUND LIST SVOC**  
**NIAGARA SANITATION**

| Location ID                    |       |           | SS-06               | SS-06               | SS-07               | SS-07               | SS-08               |
|--------------------------------|-------|-----------|---------------------|---------------------|---------------------|---------------------|---------------------|
| Sample ID                      |       |           | SS-06-0002-20210622 | SS-06-0212-20210622 | SS-07-0002-20210622 | SS-07-0212-20210622 | SS-08-0002-20210622 |
| Matrix                         |       |           | Soil                | Soil                | Soil                | Soil                | Soil                |
| Depth Interval (in)            |       |           | 0.0-2.0             | 2.0-12.0            | 0.0-2.0             | 2.0-12.0            | 0.0-2.0             |
| Date Sampled                   |       |           | 06/22/21            | 06/22/21            | 06/22/21            | 06/22/21            | 06/22/21            |
| Parameter                      | Units | Criteria* |                     |                     |                     |                     |                     |
| Semivolatile Organic Compounds |       |           |                     |                     |                     |                     |                     |
| Phenanthrene                   | MG/KG | 500       |                     |                     |                     |                     |                     |
| Phenol                         | MG/KG | 500       |                     |                     |                     |                     |                     |
| Pyrene                         | MG/KG | 500       |                     |                     | 0.046 J             | 0.042 J             | 0.046 J             |

\*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Commercial, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.



Concentration Exceeds Criteria

- = No standard, criteria or guidance value. Empty Cell - Not Detected. MG/KG - milligrams per kilogram.

J - The reported concentration is an estimated value.

SVOC - Semivolatile Organic Compound

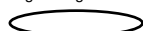
Only Detected Results Reported.

**TABLE 6**  
**SUMMARY OF SITE SURFACE SOIL SAMPLING**  
**TARGET COMPOUND LIST SVOC**  
**NIAGARA SANITATION**

| Location ID                           |       |           | SS-08               | SS-08               | SS-09               | SS-09               | SS-10               |
|---------------------------------------|-------|-----------|---------------------|---------------------|---------------------|---------------------|---------------------|
| Sample ID                             |       |           | SS-08-0212-20210622 | SS-58-0212-20210622 | SS-09-0002-20210621 | SS-09-0212-20210621 | SS-10-0002-20210621 |
| Matrix                                |       |           | Soil                | Soil                | Soil                | Soil                | Soil                |
| Depth Interval (in)                   |       |           | 2.0-12.0            | 2.0-12.0            | 0.0-2.0             | 2.0-12.0            | 0.0-2.0             |
| Date Sampled                          |       |           | 06/22/21            | 06/22/21            | 06/21/21            | 06/21/21            | 06/21/21            |
| Parameter                             | Units | Criteria* |                     | Field Duplicate     |                     |                     |                     |
| <b>Semivolatile Organic Compounds</b> |       |           |                     |                     |                     |                     |                     |
| 2-Methylnaphthalene                   | MG/KG | -         |                     |                     |                     |                     |                     |
| 4-Methylphenol (p-cresol)             | MG/KG | 500       |                     |                     |                     |                     |                     |
| Acenaphthene                          | MG/KG | 500       |                     |                     |                     |                     |                     |
| Acenaphthylene                        | MG/KG | 500       |                     |                     |                     |                     |                     |
| Acetophenone                          | MG/KG | -         |                     |                     |                     |                     |                     |
| Anthracene                            | MG/KG | 500       |                     |                     |                     |                     |                     |
| Benzo(a)anthracene                    | MG/KG | 5.6       |                     |                     |                     | 0.021 J             |                     |
| Benzo(a)pyrene                        | MG/KG | 1         |                     |                     |                     |                     |                     |
| Benzo(b)fluoranthene                  | MG/KG | 5.6       |                     |                     |                     | 0.032 J             |                     |
| Benzo(g,h,i)perylene                  | MG/KG | 500       | 0.024 J             |                     |                     |                     |                     |
| Benzo(k)fluoranthene                  | MG/KG | 56        |                     |                     |                     |                     |                     |
| bis(2-Ethylhexyl)phthalate            | MG/KG | -         |                     |                     |                     |                     |                     |
| Butylbenzylphthalate                  | MG/KG | -         |                     |                     |                     |                     |                     |
| Carbazole                             | MG/KG | -         |                     |                     |                     |                     |                     |
| Chrysene                              | MG/KG | 56        |                     |                     |                     |                     |                     |
| Dibenz(a,h)anthracene                 | MG/KG | 0.56      |                     |                     |                     |                     |                     |
| Dibenzofuran                          | MG/KG | 350       |                     |                     |                     |                     |                     |
| Di-n-butylphthalate                   | MG/KG | -         |                     |                     |                     |                     |                     |
| Fluoranthene                          | MG/KG | 500       |                     |                     | 0.041 J             | 0.044 J             |                     |
| Fluorene                              | MG/KG | 500       |                     |                     |                     |                     |                     |
| Indeno(1,2,3-cd)pyrene                | MG/KG | 5.6       |                     |                     |                     |                     |                     |
| Naphthalene                           | MG/KG | 500       |                     |                     |                     |                     |                     |

\*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Commercial, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.



Concentration Exceeds Criteria

- = No standard, criteria or guidance value. Empty Cell - Not Detected. MG/KG - milligrams per kilogram.

J - The reported concentration is an estimated value.

SVOC - Semivolatile Organic Compound

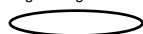
Only Detected Results Reported.

**TABLE 6**  
**SUMMARY OF SITE SURFACE SOIL SAMPLING**  
**TARGET COMPOUND LIST SVOC**  
**NIAGARA SANITATION**

| Location ID                    |       |           | SS-08               | SS-08               | SS-09               | SS-09               | SS-10               |
|--------------------------------|-------|-----------|---------------------|---------------------|---------------------|---------------------|---------------------|
| Sample ID                      |       |           | SS-08-0212-20210622 | SS-58-0212-20210622 | SS-09-0002-20210621 | SS-09-0212-20210621 | SS-10-0002-20210621 |
| Matrix                         |       |           | Soil                | Soil                | Soil                | Soil                | Soil                |
| Depth Interval (in)            |       |           | 2.0-12.0            | 2.0-12.0            | 0.0-2.0             | 2.0-12.0            | 0.0-2.0             |
| Date Sampled                   |       |           | 06/22/21            | 06/22/21            | 06/21/21            | 06/21/21            | 06/21/21            |
| Parameter                      | Units | Criteria* |                     | Field Duplicate     |                     |                     |                     |
| Semivolatile Organic Compounds |       |           |                     |                     |                     |                     |                     |
| Phenanthrene                   | MG/KG | 500       |                     |                     |                     |                     |                     |
| Phenol                         | MG/KG | 500       |                     |                     | 0.055 J             |                     |                     |
| Pyrene                         | MG/KG | 500       |                     |                     | 0.033 J             | 0.042 J             |                     |

\*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Commercial, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.



Concentration Exceeds Criteria

- = No standard, criteria or guidance value. Empty Cell - Not Detected. MG/KG - milligrams per kilogram.

J - The reported concentration is an estimated value.

SVOC - Semivolatile Organic Compound

Only Detected Results Reported.

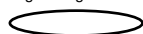


**TABLE 6**  
**SUMMARY OF SITE SURFACE SOIL SAMPLING**  
**TARGET COMPOUND LIST SVOC**  
**NIAGARA SANITATION**

| Location ID                           |       |           | SS-10               | SS-11               | SS-11               | SS-12               | SS-12               |
|---------------------------------------|-------|-----------|---------------------|---------------------|---------------------|---------------------|---------------------|
| Sample ID                             |       |           | SS-10-0212-20210621 | SS-11-0002-20210621 | SS-11-0212-20210621 | SS-12-0002-20210621 | SS-12-0212-20210621 |
| Matrix                                |       |           | Soil                | Soil                | Soil                | Soil                | Soil                |
| Depth Interval (in)                   |       |           | 2.0-12.0            | 0.0-2.0             | 2.0-12.0            | 0.0-2.0             | 2.0-12.0            |
| Date Sampled                          |       |           | 06/21/21            | 06/21/21            | 06/21/21            | 06/21/21            | 06/21/21            |
| Parameter                             | Units | Criteria* |                     |                     |                     |                     |                     |
| <b>Semivolatile Organic Compounds</b> |       |           |                     |                     |                     |                     |                     |
| 2-Methylnaphthalene                   | MG/KG | -         |                     |                     |                     |                     |                     |
| 4-Methylphenol (p-cresol)             | MG/KG | 500       |                     |                     |                     |                     |                     |
| Acenaphthene                          | MG/KG | 500       |                     |                     | 0.062 J             | 0.15                | 0.12 J              |
| Acenaphthylene                        | MG/KG | 500       |                     |                     |                     |                     |                     |
| Acetophenone                          | MG/KG | -         |                     |                     |                     | 0.041               |                     |
| Anthracene                            | MG/KG | 500       |                     |                     | 0.15 J              | 0.25                | 0.20 J              |
| Benzo(a)anthracene                    | MG/KG | 5.6       |                     |                     | 0.25                | 1.1                 | 0.95                |
| Benzo(a)pyrene                        | MG/KG | 1         |                     | 0.041 J             | 0.20                | 1.2                 | 0.96                |
| Benzo(b)fluoranthene                  | MG/KG | 5.6       |                     | 0.051 J             | 0.27                | 1.6                 | 1.3                 |
| Benzo(g,h,i)perylene                  | MG/KG | 500       |                     | 0.029 J             | 0.13 J              | 0.80                | 0.57                |
| Benzo(k)fluoranthene                  | MG/KG | 56        |                     |                     | 0.12 J              | 0.67                | 0.48                |
| bis(2-Ethylhexyl)phthalate            | MG/KG | -         |                     |                     |                     | 0.091               |                     |
| Butylbenzylphthalate                  | MG/KG | -         |                     |                     |                     |                     |                     |
| Carbazole                             | MG/KG | -         |                     |                     | 0.055 J             | 0.18                | 0.14 J              |
| Chrysene                              | MG/KG | 56        |                     |                     | 0.25                | 1.2                 | 1.1                 |
| Dibenz(a,h)anthracene                 | MG/KG | 0.56      |                     |                     | 0.040 J             | 0.25                | 0.21 J              |
| Dibenzofuran                          | MG/KG | 350       |                     |                     | 0.027 J             | 0.053               | 0.041 J             |
| Di-n-butylphthalate                   | MG/KG | -         |                     |                     |                     |                     |                     |
| Fluoranthene                          | MG/KG | 500       |                     | 0.059 J             | 0.62                | 1.8                 | 1.5                 |
| Fluorene                              | MG/KG | 500       |                     |                     | 0.058 J             | 0.097               | 0.071 J             |
| Indeno(1,2,3-cd)pyrene                | MG/KG | 5.6       |                     | 0.030 J             | 0.12 J              | 0.76                | 0.57                |
| Naphthalene                           | MG/KG | 500       |                     |                     |                     |                     | 0.045 J             |

\*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Commercial, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.



Concentration Exceeds Criteria

- = No standard, criteria or guidance value. Empty Cell - Not Detected. MG/KG - milligrams per kilogram.

J - The reported concentration is an estimated value.

SVOC - Semivolatile Organic Compound

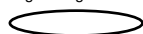
Only Detected Results Reported.

**TABLE 6**  
**SUMMARY OF SITE SURFACE SOIL SAMPLING**  
**TARGET COMPOUND LIST SVOC**  
**NIAGARA SANITATION**

| Location ID                    |       |           | SS-10               | SS-11               | SS-11               | SS-12               | SS-12               |
|--------------------------------|-------|-----------|---------------------|---------------------|---------------------|---------------------|---------------------|
| Sample ID                      |       |           | SS-10-0212-20210621 | SS-11-0002-20210621 | SS-11-0212-20210621 | SS-12-0002-20210621 | SS-12-0212-20210621 |
| Matrix                         |       |           | Soil                | Soil                | Soil                | Soil                | Soil                |
| Depth Interval (in)            |       |           | 2.0-12.0            | 0.0-2.0             | 2.0-12.0            | 0.0-2.0             | 2.0-12.0            |
| Date Sampled                   |       |           | 06/21/21            | 06/21/21            | 06/21/21            | 06/21/21            | 06/21/21            |
| Parameter                      | Units | Criteria* |                     |                     |                     |                     |                     |
| Semivolatile Organic Compounds |       |           |                     |                     |                     |                     |                     |
| Phenanthrene                   | MG/KG | 500       |                     |                     | 0.50                | 1.0                 | 0.77                |
| Phenol                         | MG/KG | 500       |                     |                     |                     |                     |                     |
| Pyrene                         | MG/KG | 500       |                     | 0.048 J             | 0.45                | 1.5                 | 1.2                 |

\*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Commercial, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.



Concentration Exceeds Criteria

- = No standard, criteria or guidance value. Empty Cell - Not Detected. MG/KG - milligrams per kilogram.

J - The reported concentration is an estimated value.

SVOC - Semivolatile Organic Compound

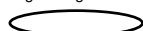
Only Detected Results Reported.

**TABLE 6**  
**SUMMARY OF SITE SURFACE SOIL SAMPLING**  
**TARGET COMPOUND LIST SVOC**  
**NIAGARA SANITATION**

| Location ID                           |       |           | SS-12               | SS-13               | SS-13               | SS-14               | SS-14               |
|---------------------------------------|-------|-----------|---------------------|---------------------|---------------------|---------------------|---------------------|
| Sample ID                             |       |           | SS-62-0212-20210621 | SS-13-0002-20210622 | SS-13-0212-20210622 | SS-14-0002-20210621 | SS-64-0002-20210621 |
| Matrix                                |       |           | Soil                | Soil                | Soil                | Soil                | Soil                |
| Depth Interval (in)                   |       |           | 2.0-12.0            | 0.0-2.0             | 2.0-12.0            | 0.0-2.0             | 0.0-2.0             |
| Date Sampled                          |       |           | 06/21/21            | 06/22/21            | 06/22/21            | 06/21/21            | 06/21/21            |
| Parameter                             | Units | Criteria* | Field Duplicate     |                     |                     |                     | Field Duplicate     |
| <b>Semivolatile Organic Compounds</b> |       |           |                     |                     |                     |                     |                     |
| 2-Methylnaphthalene                   | MG/KG | -         | 0.039 J             |                     |                     |                     |                     |
| 4-Methylphenol (p-cresol)             | MG/KG | 500       |                     |                     |                     |                     |                     |
| Acenaphthene                          | MG/KG | 500       | 0.19                |                     |                     |                     |                     |
| Acenaphthylene                        | MG/KG | 500       |                     |                     |                     |                     |                     |
| Acetophenone                          | MG/KG | -         |                     |                     |                     |                     |                     |
| Anthracene                            | MG/KG | 500       | 0.25                |                     |                     |                     |                     |
| Benzo(a)anthracene                    | MG/KG | 5.6       | 1.1                 | 0.57 J              | 3.4 J               |                     |                     |
| Benzo(a)pyrene                        | MG/KG | 1         | 1.2                 | 0.53 J              |                     | 0.045 J             |                     |
| Benzo(b)fluoranthene                  | MG/KG | 5.6       | 1.5                 | 1.0 J               | 4.9 J               | 0.060 J             |                     |
| Benzo(g,h,i)perylene                  | MG/KG | 500       | 0.76                | 0.36 J              |                     |                     |                     |
| Benzo(k)fluoranthene                  | MG/KG | 56        | 0.64                |                     |                     |                     |                     |
| bis(2-Ethylhexyl)phthalate            | MG/KG | -         |                     |                     |                     |                     |                     |
| Butylbenzylphthalate                  | MG/KG | -         |                     | 0.71 J              |                     |                     |                     |
| Carbazole                             | MG/KG | -         | 0.19                |                     |                     |                     |                     |
| Chrysene                              | MG/KG | 56        | 1.2                 | 0.57 J              |                     |                     |                     |
| Dibenz(a,h)anthracene                 | MG/KG | 0.56      | 0.24                |                     |                     |                     |                     |
| Dibenzofuran                          | MG/KG | 350       | 0.061 J             |                     |                     |                     |                     |
| Di-n-butylphthalate                   | MG/KG | -         |                     |                     |                     |                     |                     |
| Fluoranthene                          | MG/KG | 500       | 1.6                 | 1.2 J               | 7.3 J               | 0.073 J             | 0.041 J             |
| Fluorene                              | MG/KG | 500       | 0.11 J              |                     |                     |                     |                     |
| Indeno(1,2,3-cd)pyrene                | MG/KG | 5.6       | 0.74                | 0.32 J              |                     |                     |                     |
| Naphthalene                           | MG/KG | 500       | 0.079 J             |                     |                     |                     |                     |

\*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Commercial, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.



Concentration Exceeds Criteria

- = No standard, criteria or guidance value. Empty Cell - Not Detected. MG/KG - milligrams per kilogram.

J - The reported concentration is an estimated value.

SVOC - Semivolatile Organic Compound

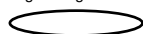
Only Detected Results Reported.

**TABLE 6**  
**SUMMARY OF SITE SURFACE SOIL SAMPLING**  
**TARGET COMPOUND LIST SVOC**  
**NIAGARA SANITATION**

| Location ID                    |       |           | SS-12               | SS-13               | SS-13               | SS-14               | SS-14               |
|--------------------------------|-------|-----------|---------------------|---------------------|---------------------|---------------------|---------------------|
| Sample ID                      |       |           | SS-62-0212-20210621 | SS-13-0002-20210622 | SS-13-0212-20210622 | SS-14-0002-20210621 | SS-64-0002-20210621 |
| Matrix                         |       |           | Soil                | Soil                | Soil                | Soil                | Soil                |
| Depth Interval (in)            |       |           | 2.0-12.0            | 0.0-2.0             | 2.0-12.0            | 0.0-2.0             | 0.0-2.0             |
| Date Sampled                   |       |           | 06/21/21            | 06/22/21            | 06/22/21            | 06/21/21            | 06/21/21            |
| Parameter                      | Units | Criteria* | Field Duplicate     |                     |                     |                     | Field Duplicate     |
| Semivolatile Organic Compounds |       |           |                     |                     |                     |                     |                     |
| Phenanthrene                   | MG/KG | 500       | 0.98                | 0.50 J              |                     |                     |                     |
| Phenol                         | MG/KG | 500       |                     |                     |                     |                     |                     |
| Pyrene                         | MG/KG | 500       | 1.4                 | 0.91 J              | 6.2 J               | 0.053 J             | 0.032 J             |

\*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Commercial, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.



Concentration Exceeds Criteria

- = No standard, criteria or guidance value. Empty Cell - Not Detected. MG/KG - milligrams per kilogram.

J - The reported concentration is an estimated value.

SVOC - Semivolatile Organic Compound

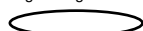
Only Detected Results Reported.

**TABLE 6**  
**SUMMARY OF SITE SURFACE SOIL SAMPLING**  
**TARGET COMPOUND LIST SVOC**  
**NIAGARA SANITATION**

| Location ID                           |       |           | SS-14               | SS-15               | SS-15               | SS-16               | SS-16               |
|---------------------------------------|-------|-----------|---------------------|---------------------|---------------------|---------------------|---------------------|
| Sample ID                             |       |           | SS-14-0212-20210621 | SS-15-0002-20210621 | SS-15-0212-20210621 | SS-16-0002-20210621 | SS-16-0212-20210621 |
| Matrix                                |       |           | Soil                | Soil                | Soil                | Soil                | Soil                |
| Depth Interval (in)                   |       |           | 2.0-12.0            | 0.0-2.0             | 2.0-12.0            | 0.0-2.0             | 2.0-12.0            |
| Date Sampled                          |       |           | 06/21/21            | 06/21/21            | 06/21/21            | 06/21/21            | 06/21/21            |
| Parameter                             | Units | Criteria* |                     |                     |                     |                     |                     |
| <b>Semivolatile Organic Compounds</b> |       |           |                     |                     |                     |                     |                     |
| 2-Methylnaphthalene                   | MG/KG | -         |                     |                     |                     |                     |                     |
| 4-Methylphenol (p-cresol)             | MG/KG | 500       |                     |                     |                     |                     |                     |
| Acenaphthene                          | MG/KG | 500       |                     |                     |                     |                     |                     |
| Acenaphthylene                        | MG/KG | 500       |                     |                     |                     |                     |                     |
| Acetophenone                          | MG/KG | -         |                     |                     |                     |                     |                     |
| Anthracene                            | MG/KG | 500       |                     |                     |                     |                     |                     |
| Benzo(a)anthracene                    | MG/KG | 5.6       |                     | 0.067 J             | 0.025 J             | 0.43 J              | 0.51 J              |
| Benzo(a)pyrene                        | MG/KG | 1         |                     | 0.052 J             |                     | 0.35 J              | 0.52 J              |
| Benzo(b)fluoranthene                  | MG/KG | 5.6       |                     | 0.072 J             | 0.032 J             | 0.50 J              | 0.70 J              |
| Benzo(g,h,i)perylene                  | MG/KG | 500       |                     |                     |                     | 0.25 J              | 0.44 J              |
| Benzo(k)fluoranthene                  | MG/KG | 56        |                     |                     |                     | 0.22 J              | 0.26 J              |
| bis(2-Ethylhexyl)phthalate            | MG/KG | -         |                     |                     |                     |                     |                     |
| Butylbenzylphthalate                  | MG/KG | -         |                     |                     |                     |                     |                     |
| Carbazole                             | MG/KG | -         |                     |                     |                     |                     |                     |
| Chrysene                              | MG/KG | 56        |                     | 0.060 J             |                     | 0.42 J              | 0.51 J              |
| Dibenz(a,h)anthracene                 | MG/KG | 0.56      |                     |                     |                     |                     |                     |
| Dibenzofuran                          | MG/KG | 350       |                     |                     |                     |                     |                     |
| Di-n-butylphthalate                   | MG/KG | -         |                     |                     |                     |                     |                     |
| Fluoranthene                          | MG/KG | 500       | 0.030 J             | 0.11 J              | 0.036 J             | 0.98 J              | 1.0 J               |
| Fluorene                              | MG/KG | 500       |                     |                     |                     |                     |                     |
| Indeno(1,2,3-cd)pyrene                | MG/KG | 5.6       |                     |                     |                     | 0.24 J              | 0.36 J              |
| Naphthalene                           | MG/KG | 500       |                     |                     |                     |                     |                     |

\*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Commercial, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.



Concentration Exceeds Criteria

- = No standard, criteria or guidance value. Empty Cell - Not Detected. MG/KG - milligrams per kilogram.

J - The reported concentration is an estimated value.

SVOC - Semivolatile Organic Compound

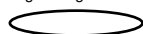
Only Detected Results Reported.

**TABLE 6**  
**SUMMARY OF SITE SURFACE SOIL SAMPLING**  
**TARGET COMPOUND LIST SVOC**  
**NIAGARA SANITATION**

| Location ID                    |       |           | SS-14               | SS-15               | SS-15               | SS-16               | SS-16               |
|--------------------------------|-------|-----------|---------------------|---------------------|---------------------|---------------------|---------------------|
| Sample ID                      |       |           | SS-14-0212-20210621 | SS-15-0002-20210621 | SS-15-0212-20210621 | SS-16-0002-20210621 | SS-16-0212-20210621 |
| Matrix                         |       |           | Soil                | Soil                | Soil                | Soil                | Soil                |
| Depth Interval (in)            |       |           | 2.0-12.0            | 0.0-2.0             | 2.0-12.0            | 0.0-2.0             | 2.0-12.0            |
| Date Sampled                   |       |           | 06/21/21            | 06/21/21            | 06/21/21            | 06/21/21            | 06/21/21            |
| Parameter                      | Units | Criteria* |                     |                     |                     |                     |                     |
| Semivolatile Organic Compounds |       |           |                     |                     |                     |                     |                     |
| Phenanthrene                   | MG/KG | 500       |                     | 0.040 J             |                     | 0.64 J              | 0.63 J              |
| Phenol                         | MG/KG | 500       |                     |                     |                     |                     |                     |
| Pyrene                         | MG/KG | 500       |                     | 0.082 J             | 0.031 J             | 0.78 J              | 0.82 J              |

\*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Commercial, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.



Concentration Exceeds Criteria

- = No standard, criteria or guidance value. Empty Cell - Not Detected. MG/KG - milligrams per kilogram.

J - The reported concentration is an estimated value.

SVOC - Semivolatile Organic Compound

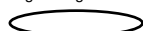
Only Detected Results Reported.

**TABLE 6**  
**SUMMARY OF SITE SURFACE SOIL SAMPLING**  
**TARGET COMPOUND LIST SVOC**  
**NIAGARA SANITATION**

| Location ID                           |       |           | SS-17               | SS-17               | SS-18               | SS-18               | SS-19               |
|---------------------------------------|-------|-----------|---------------------|---------------------|---------------------|---------------------|---------------------|
| Sample ID                             |       |           | SS-17-0002-20210621 | SS-17-0212-20210621 | SS-18-0002-20210621 | SS-18-0212-20210621 | SS-19-0002-20210621 |
| Matrix                                |       |           | Soil                | Soil                | Soil                | Soil                | Soil                |
| Depth Interval (in)                   |       |           | 0.0-2.0             | 2.0-12.0            | 0.0-2.0             | 2.0-12.0            | 0.0-2.0             |
| Date Sampled                          |       |           | 06/21/21            | 06/21/21            | 06/21/21            | 06/21/21            | 06/21/21            |
| Parameter                             | Units | Criteria* |                     |                     |                     |                     |                     |
| <b>Semivolatile Organic Compounds</b> |       |           |                     |                     |                     |                     |                     |
| 2-Methylnaphthalene                   | MG/KG | -         |                     |                     |                     |                     |                     |
| 4-Methylphenol (p-cresol)             | MG/KG | 500       |                     |                     |                     |                     |                     |
| Acenaphthene                          | MG/KG | 500       |                     |                     |                     |                     |                     |
| Acenaphthylene                        | MG/KG | 500       |                     |                     |                     |                     |                     |
| Acetophenone                          | MG/KG | -         |                     |                     |                     |                     |                     |
| Anthracene                            | MG/KG | 500       |                     |                     |                     |                     |                     |
| Benzo(a)anthracene                    | MG/KG | 5.6       | 0.30 J              | 0.21 J              | 0.64 J              |                     | 1.0 J               |
| Benzo(a)pyrene                        | MG/KG | 1         | 0.29 J              | 0.21 J              | 0.58 J              | 0.21 J              | 0.93 J              |
| Benzo(b)fluoranthene                  | MG/KG | 5.6       | 0.43 J              | 0.29 J              | 0.89 J              | 0.26 J              | 1.2 J               |
| Benzo(g,h,i)perylene                  | MG/KG | 500       | 0.25 J              | 0.18 J              | 0.40 J              | 0.11 J              | 0.59 J              |
| Benzo(k)fluoranthene                  | MG/KG | 56        | 0.14 J              |                     | 0.24 J              |                     | 0.42 J              |
| bis(2-Ethylhexyl)phthalate            | MG/KG | -         |                     |                     |                     | 0.52 J              |                     |
| Butylbenzylphthalate                  | MG/KG | -         |                     |                     |                     |                     |                     |
| Carbazole                             | MG/KG | -         |                     |                     |                     |                     |                     |
| Chrysene                              | MG/KG | 56        | 0.37 J              | 0.28 J              | 0.67 J              |                     | 0.89 J              |
| Dibenz(a,h)anthracene                 | MG/KG | 0.56      |                     |                     |                     |                     |                     |
| Dibenzofuran                          | MG/KG | 350       |                     |                     |                     |                     |                     |
| Di-n-butylphthalate                   | MG/KG | -         |                     |                     |                     |                     |                     |
| Fluoranthene                          | MG/KG | 500       | 0.62 J              | 0.37 J              | 1.1                 | 0.35 J              | 1.6                 |
| Fluorene                              | MG/KG | 500       |                     |                     |                     |                     |                     |
| Indeno(1,2,3-cd)pyrene                | MG/KG | 5.6       | 0.21 J              | 0.15 J              | 0.40 J              | 0.13 J              | 0.61 J              |
| Naphthalene                           | MG/KG | 500       |                     |                     |                     |                     |                     |

\*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Commercial, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.



Concentration Exceeds Criteria

- = No standard, criteria or guidance value. Empty Cell - Not Detected. MG/KG - milligrams per kilogram.

J - The reported concentration is an estimated value.

SVOC - Semivolatile Organic Compound

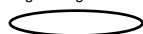
Only Detected Results Reported.

**TABLE 6**  
**SUMMARY OF SITE SURFACE SOIL SAMPLING**  
**TARGET COMPOUND LIST SVOC**  
**NIAGARA SANITATION**

| Location ID                    |       |           | SS-17               | SS-17               | SS-18               | SS-18               | SS-19               |
|--------------------------------|-------|-----------|---------------------|---------------------|---------------------|---------------------|---------------------|
| Sample ID                      |       |           | SS-17-0002-20210621 | SS-17-0212-20210621 | SS-18-0002-20210621 | SS-18-0212-20210621 | SS-19-0002-20210621 |
| Matrix                         |       |           | Soil                | Soil                | Soil                | Soil                | Soil                |
| Depth Interval (in)            |       |           | 0.0-2.0             | 2.0-12.0            | 0.0-2.0             | 2.0-12.0            | 0.0-2.0             |
| Date Sampled                   |       |           | 06/21/21            | 06/21/21            | 06/21/21            | 06/21/21            | 06/21/21            |
| Parameter                      | Units | Criteria* |                     |                     |                     |                     |                     |
| Semivolatile Organic Compounds |       |           |                     |                     |                     |                     |                     |
| Phenanthrene                   | MG/KG | 500       | 0.39 J              | 0.21 J              | 0.52 J              | 0.17 J              | 0.97 J              |
| Phenol                         | MG/KG | 500       |                     |                     |                     |                     |                     |
| Pyrene                         | MG/KG | 500       | 0.53 J              | 0.29 J              | 0.97 J              | 0.28 J              | 1.3 J               |

\*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Commercial, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.



Concentration Exceeds Criteria

- = No standard, criteria or guidance value. Empty Cell - Not Detected. MG/KG - milligrams per kilogram.

J - The reported concentration is an estimated value.

SVOC - Semivolatile Organic Compound

Only Detected Results Reported.

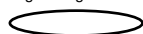


**TABLE 6**  
**SUMMARY OF SITE SURFACE SOIL SAMPLING**  
**TARGET COMPOUND LIST SVOC**  
**NIAGARA SANITATION**

| Location ID                           |       |           | SS-19               | SS-20               | SS-20               | SS-21               | SS-21               |
|---------------------------------------|-------|-----------|---------------------|---------------------|---------------------|---------------------|---------------------|
| Sample ID                             |       |           | SS-19-0212-20210621 | SS-20-0002-20210621 | SS-20-0212-20210621 | SS-21-0002-20210621 | SS-21-0212-20210621 |
| Matrix                                |       |           | Soil                | Soil                | Soil                | Soil                | Soil                |
| Depth Interval (in)                   |       |           | 2.0-12.0            | 0.0-2.0             | 2.0-12.0            | 0.0-2.0             | 2.0-12.0            |
| Date Sampled                          |       |           | 06/21/21            | 06/21/21            | 06/21/21            | 06/21/21            | 06/21/21            |
| Parameter                             | Units | Criteria* |                     |                     |                     |                     |                     |
| <b>Semivolatile Organic Compounds</b> |       |           |                     |                     |                     |                     |                     |
| 2-Methylnaphthalene                   | MG/KG | -         | 0.12 J              |                     |                     |                     |                     |
| 4-Methylphenol (p-cresol)             | MG/KG | 500       |                     |                     | 0.41 J              |                     |                     |
| Acenaphthene                          | MG/KG | 500       | 0.33                |                     |                     |                     |                     |
| Acenaphthylene                        | MG/KG | 500       | 0.32                |                     |                     |                     |                     |
| Acetophenone                          | MG/KG | -         |                     |                     | 0.44 J              |                     |                     |
| Anthracene                            | MG/KG | 500       | 1.2                 | 0.078 J             |                     |                     |                     |
| Benzo(a)anthracene                    | MG/KG | 5.6       | 3.4                 | 0.32                | 0.81 J              |                     | 0.51 J              |
| Benzo(a)pyrene                        | MG/KG | 1         | 3.2                 | 0.30                | 0.82 J              | 0.50 J              | 0.50 J              |
| Benzo(b)fluoranthene                  | MG/KG | 5.6       | 4.1                 | 0.39                | 1.2                 | 0.87 J              | 0.74 J              |
| Benzo(g,h,i)perylene                  | MG/KG | 500       | 1.5                 | 0.18 J              | 0.70 J              | 0.35 J              | 0.29 J              |
| Benzo(k)fluoranthene                  | MG/KG | 56        | 1.7                 | 0.14 J              | 0.29 J              |                     | 0.19 J              |
| bis(2-Ethylhexyl)phthalate            | MG/KG | -         |                     |                     |                     |                     |                     |
| Butylbenzylphthalate                  | MG/KG | -         |                     |                     |                     |                     | 0.50 J              |
| Carbazole                             | MG/KG | -         | 0.74                | 0.047 J             | 0.17 J              |                     |                     |
| Chrysene                              | MG/KG | 56        | 3.4                 | 0.32                | 1.5                 | 0.54 J              | 0.53 J              |
| Dibenz(a,h)anthracene                 | MG/KG | 0.56      | 0.53                | 0.055 J             | 0.27 J              |                     |                     |
| Dibenzofuran                          | MG/KG | 350       | 0.28                |                     |                     |                     |                     |
| Di-n-butylphthalate                   | MG/KG | -         |                     |                     |                     |                     |                     |
| Fluoranthene                          | MG/KG | 500       | 6.5                 | 0.61                | 1.5                 | 0.96 J              | 0.84 J              |
| Fluorene                              | MG/KG | 500       | 0.62                |                     |                     |                     |                     |
| Indeno(1,2,3-cd)pyrene                | MG/KG | 5.6       | 1.6                 | 0.18 J              | 0.39 J              | 0.33 J              | 0.31 J              |
| Naphthalene                           | MG/KG | 500       | 0.19 J              |                     | 0.47 J              |                     |                     |

\*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Commercial, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.



Concentration Exceeds Criteria

- = No standard, criteria or guidance value. Empty Cell - Not Detected. MG/KG - milligrams per kilogram.

J - The reported concentration is an estimated value.

SVOC - Semivolatile Organic Compound

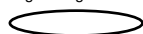
Only Detected Results Reported.

**TABLE 6**  
**SUMMARY OF SITE SURFACE SOIL SAMPLING**  
**TARGET COMPOUND LIST SVOC**  
**NIAGARA SANITATION**

| Location ID                    |       |           | SS-19               | SS-20               | SS-20               | SS-21               | SS-21               |
|--------------------------------|-------|-----------|---------------------|---------------------|---------------------|---------------------|---------------------|
| Sample ID                      |       |           | SS-19-0212-20210621 | SS-20-0002-20210621 | SS-20-0212-20210621 | SS-21-0002-20210621 | SS-21-0212-20210621 |
| Matrix                         |       |           | Soil                | Soil                | Soil                | Soil                | Soil                |
| Depth Interval (in)            |       |           | 2.0-12.0            | 0.0-2.0             | 2.0-12.0            | 0.0-2.0             | 2.0-12.0            |
| Date Sampled                   |       |           | 06/21/21            | 06/21/21            | 06/21/21            | 06/21/21            | 06/21/21            |
| Parameter                      | Units | Criteria* |                     |                     |                     |                     |                     |
| Semivolatile Organic Compounds |       |           |                     |                     |                     |                     |                     |
| Phenanthrene                   | MG/KG | 500       | 4.6                 | 0.32                | 1.3                 | 0.56 J              | 0.54 J              |
| Phenol                         | MG/KG | 500       |                     | 0.041 J             |                     |                     |                     |
| Pyrene                         | MG/KG | 500       | 5.1                 | 0.53                | 1.3                 | 0.82 J              | 0.73 J              |

\*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Commercial, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.



Concentration Exceeds Criteria

- = No standard, criteria or guidance value. Empty Cell - Not Detected. MG/KG - milligrams per kilogram.

J - The reported concentration is an estimated value.

SVOC - Semivolatile Organic Compound

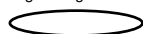
Only Detected Results Reported.

**TABLE 6**  
**SUMMARY OF SITE SURFACE SOIL SAMPLING**  
**TARGET COMPOUND LIST SVOC**  
**NIAGARA SANITATION**

| Location ID                           |       |           | SS-22               | SS-22               | SS-23               | SS-23               | SS-24               |
|---------------------------------------|-------|-----------|---------------------|---------------------|---------------------|---------------------|---------------------|
| Sample ID                             |       |           | SS-22-0002-20210621 | SS-22-0212-20210621 | SS-23-0002-20210621 | SS-23-0212-20210621 | SS-24-0002-20210621 |
| Matrix                                |       |           | Soil                | Soil                | Soil                | Soil                | Soil                |
| Depth Interval (in)                   |       |           | 0.0-2.0             | 2.0-12.0            | 0.0-2.0             | 2.0-12.0            | 0.0-2.0             |
| Date Sampled                          |       |           | 06/21/21            | 06/21/21            | 06/21/21            | 06/21/21            | 06/21/21            |
| Parameter                             | Units | Criteria* |                     |                     |                     |                     |                     |
| <b>Semivolatile Organic Compounds</b> |       |           |                     |                     |                     |                     |                     |
| 2-Methylnaphthalene                   | MG/KG | -         |                     |                     |                     |                     |                     |
| 4-Methylphenol (p-cresol)             | MG/KG | 500       |                     |                     |                     |                     |                     |
| Acenaphthene                          | MG/KG | 500       |                     | 0.72 J              |                     |                     |                     |
| Acenaphthylene                        | MG/KG | 500       |                     | 1.6                 |                     |                     |                     |
| Acetophenone                          | MG/KG | -         |                     |                     |                     |                     |                     |
| Anthracene                            | MG/KG | 500       |                     | 4.0                 |                     |                     |                     |
| Benzo(a)anthracene                    | MG/KG | 5.6       | 0.11 J              | 9.1                 | 0.21 J              |                     | 0.54 J              |
| Benzo(a)pyrene                        | MG/KG | 1         | 0.11 J              | 7.3                 | 0.17 J              | 0.13 J              | 0.62 J              |
| Benzo(b)fluoranthene                  | MG/KG | 5.6       | 0.13 J              | 8.7                 | 0.22 J              | 0.16 J              | 0.91 J              |
| Benzo(g,h,i)perylene                  | MG/KG | 500       | 0.056 J             | 3.2                 | 0.087 J             | 0.069 J             | 0.32 J              |
| Benzo(k)fluoranthene                  | MG/KG | 56        | 0.048 J             | 3.7                 | 0.095 J             |                     | 0.41 J              |
| bis(2-Ethylhexyl)phthalate            | MG/KG | -         |                     |                     |                     |                     |                     |
| Butylbenzylphthalate                  | MG/KG | -         |                     |                     |                     |                     |                     |
| Carbazole                             | MG/KG | -         |                     | 0.30 J              | 0.043 J             |                     |                     |
| Chrysene                              | MG/KG | 56        | 0.10 J              | 8.9                 | 0.22 J              | 0.16 J              | 0.60 J              |
| Dibenz(a,h)anthracene                 | MG/KG | 0.56      |                     | 1.2                 |                     |                     |                     |
| Dibenzofuran                          | MG/KG | 350       |                     | 0.44 J              |                     |                     |                     |
| Di-n-butylphthalate                   | MG/KG | -         |                     |                     |                     |                     |                     |
| Fluoranthene                          | MG/KG | 500       | 0.16 J              | 19                  | 0.46                | 0.28                | 0.71 J              |
| Fluorene                              | MG/KG | 500       |                     | 1.4                 |                     |                     |                     |
| Indeno(1,2,3-cd)pyrene                | MG/KG | 5.6       | 0.059 J             | 3.3                 | 0.089 J             | 0.072 J             | 0.35 J              |
| Naphthalene                           | MG/KG | 500       |                     |                     |                     |                     |                     |

\*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Commercial, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.



Concentration Exceeds Criteria

- = No standard, criteria or guidance value. Empty Cell - Not Detected. MG/KG - milligrams per kilogram.

J - The reported concentration is an estimated value.

SVOC - Semivolatile Organic Compound

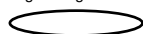
Only Detected Results Reported.

**TABLE 6**  
**SUMMARY OF SITE SURFACE SOIL SAMPLING**  
**TARGET COMPOUND LIST SVOC**  
**NIAGARA SANITATION**

| Location ID                    |       |           | SS-22               | SS-22               | SS-23               | SS-23               | SS-24               |
|--------------------------------|-------|-----------|---------------------|---------------------|---------------------|---------------------|---------------------|
| Sample ID                      |       |           | SS-22-0002-20210621 | SS-22-0212-20210621 | SS-23-0002-20210621 | SS-23-0212-20210621 | SS-24-0002-20210621 |
| Matrix                         |       |           | Soil                | Soil                | Soil                | Soil                | Soil                |
| Depth Interval (in)            |       |           | 0.0-2.0             | 2.0-12.0            | 0.0-2.0             | 2.0-12.0            | 0.0-2.0             |
| Date Sampled                   |       |           | 06/21/21            | 06/21/21            | 06/21/21            | 06/21/21            | 06/21/21            |
| Parameter                      | Units | Criteria* |                     |                     |                     |                     |                     |
| Semivolatile Organic Compounds |       |           |                     |                     |                     |                     |                     |
| Phenanthrene                   | MG/KG | 500       | 0.052 J             | 12                  | 0.34                | 0.24 J              | 0.35 J              |
| Phenol                         | MG/KG | 500       | 0.053 J             |                     |                     |                     |                     |
| Pyrene                         | MG/KG | 500       | 0.18 J              | 17                  | 0.34                | 0.28                | 0.81 J              |

\*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Commercial, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.



Concentration Exceeds Criteria

- = No standard, criteria or guidance value. Empty Cell - Not Detected. MG/KG - milligrams per kilogram.

J - The reported concentration is an estimated value.

SVOC - Semivolatile Organic Compound

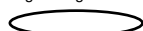
Only Detected Results Reported.

**TABLE 6**  
**SUMMARY OF SITE SURFACE SOIL SAMPLING**  
**TARGET COMPOUND LIST SVOC**  
**NIAGARA SANITATION**

| Location ID                           |       |           | SS-24               | SS-25               | SS-25               |
|---------------------------------------|-------|-----------|---------------------|---------------------|---------------------|
| Sample ID                             |       |           | SS-24-0212-20210621 | SS-25-0002-20210621 | SS-25-0212-20210621 |
| Matrix                                |       |           | Soil                | Soil                | Soil                |
| Depth Interval (in)                   |       |           | 2.0-12.0            | 0.0-2.0             | 2.0-12.0            |
| Date Sampled                          |       |           | 06/21/21            | 06/21/21            | 06/21/21            |
| Parameter                             | Units | Criteria* |                     |                     |                     |
| <b>Semivolatile Organic Compounds</b> |       |           |                     |                     |                     |
| 2-Methylnaphthalene                   | MG/KG | -         |                     |                     |                     |
| 4-Methylphenol (p-cresol)             | MG/KG | 500       |                     |                     |                     |
| Acenaphthene                          | MG/KG | 500       |                     |                     |                     |
| Acenaphthylene                        | MG/KG | 500       |                     |                     | 0.070 J             |
| Acetophenone                          | MG/KG | -         |                     |                     |                     |
| Anthracene                            | MG/KG | 500       |                     |                     | 0.11 J              |
| Benzo(a)anthracene                    | MG/KG | 5.6       |                     | 0.66 J              | 0.48                |
| Benzo(a)pyrene                        | MG/KG | 1         | 0.50 J              | 0.55 J              | 0.38                |
| Benzo(b)fluoranthene                  | MG/KG | 5.6       | 0.99 J              | 0.79 J              | 0.51                |
| Benzo(g,h,i)perylene                  | MG/KG | 500       | 0.24 J              | 0.24 J              | 0.16 J              |
| Benzo(k)fluoranthene                  | MG/KG | 56        |                     | 0.30 J              | 0.21 J              |
| bis(2-Ethylhexyl)phthalate            | MG/KG | -         |                     |                     |                     |
| Butylbenzylphthalate                  | MG/KG | -         |                     |                     |                     |
| Carbazole                             | MG/KG | -         |                     |                     | 0.045 J             |
| Chrysene                              | MG/KG | 56        | 0.42 J              | 0.64 J              | 0.46                |
| Dibenz(a,h)anthracene                 | MG/KG | 0.56      |                     |                     | 0.083 J             |
| Dibenzofuran                          | MG/KG | 350       |                     |                     |                     |
| Di-n-butylphthalate                   | MG/KG | -         |                     |                     |                     |
| Fluoranthene                          | MG/KG | 500       | 0.53 J              | 1.3 J               | 0.98                |
| Fluorene                              | MG/KG | 500       |                     |                     | 0.056 J             |
| Indeno(1,2,3-cd)pyrene                | MG/KG | 5.6       | 0.28 J              | 0.32 J              | 0.18 J              |
| Naphthalene                           | MG/KG | 500       |                     |                     |                     |

\*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Commercial, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.



Concentration Exceeds Criteria

- = No standard, criteria or guidance value. Empty Cell - Not Detected. MG/KG - milligrams per kilogram.

J - The reported concentration is an estimated value.

SVOC - Semivolatile Organic Compound

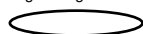
Only Detected Results Reported.

**TABLE 6**  
**SUMMARY OF SITE SURFACE SOIL SAMPLING**  
**TARGET COMPOUND LIST SVOC**  
**NIAGARA SANITATION**

| Location ID                    |       |           | SS-24               | SS-25               | SS-25               |
|--------------------------------|-------|-----------|---------------------|---------------------|---------------------|
| Sample ID                      |       |           | SS-24-0212-20210621 | SS-25-0002-20210621 | SS-25-0212-20210621 |
| Matrix                         |       |           | Soil                | Soil                | Soil                |
| Depth Interval (in)            |       |           | 2.0-12.0            | 0.0-2.0             | 2.0-12.0            |
| Date Sampled                   |       |           | 06/21/21            | 06/21/21            | 06/21/21            |
| Parameter                      | Units | Criteria* |                     |                     |                     |
| Semivolatile Organic Compounds |       |           |                     |                     |                     |
| Phenanthrene                   | MG/KG | 500       | 0.20 J              | 0.57 J              | 0.50                |
| Phenol                         | MG/KG | 500       |                     |                     |                     |
| Pyrene                         | MG/KG | 500       | 0.57 J              | 0.92 J              | 0.72                |

\*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Commercial, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.



Concentration Exceeds Criteria

- = No standard, criteria or guidance value. Empty Cell - Not Detected. MG/KG - milligrams per kilogram.

J - The reported concentration is an estimated value.

SVOC - Semivolatile Organic Compound

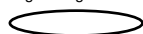
Only Detected Results Reported.

**TABLE 7**  
**SUMMARY OF SITE SURFACE SOIL SAMPLING**  
**TARGET COMPOUND LIST METALS**  
**NIAGARA SANITATION**

| Location ID         |       |           | SS-01               | SS-01               | SS-02               | SS-02               | SS-03               |
|---------------------|-------|-----------|---------------------|---------------------|---------------------|---------------------|---------------------|
| Sample ID           |       |           | SS-01-0002-20210621 | SS-01-0212-20210621 | SS-02-0212-20210621 | SS-02-0002-20210622 | SS-03-0002-20210621 |
| Matrix              |       |           | Soil                | Soil                | Soil                | Soil                | Soil                |
| Depth Interval (in) |       |           | 0.0-2.0             | 2.0-12.0            | 2.0-12.0            | 0.0-2.0             | 0.0-2.0             |
| Date Sampled        |       |           | 06/21/21            | 06/21/21            | 06/21/21            | 06/22/21            | 06/21/21            |
| Parameter           | Units | Criteria* |                     |                     |                     |                     |                     |
| <b>Metals</b>       |       |           |                     |                     |                     |                     |                     |
| Aluminum            | MG/KG | -         | 9,950               | 11,400              | 12,600              | 24,800              | 7,380               |
| Antimony            | MG/KG | -         |                     |                     |                     |                     |                     |
| Arsenic             | MG/KG | 16        | 3.2                 | 3.4                 | 4.0                 | 7.7                 | 2.0 J               |
| Barium              | MG/KG | 400       | 58.6                | 61.6                | 79.2                | 142                 | 52.3                |
| Beryllium           | MG/KG | 590       | 0.44                | 0.49                | 0.59                | 1.2                 | 0.33                |
| Cadmium             | MG/KG | 9.3       | 0.52                | 0.38                | 0.22 J              | 0.78                | 0.86                |
| Calcium             | MG/KG | -         | 29,300              | 29,000              | 45,900              | 90,000              | 33,300              |
| Chromium            | MG/KG | 1500      | 15.4                | 16.9                | 17.8                | 34.6                | 12.9                |
| Cobalt              | MG/KG | -         | 6.3                 | 7.5                 | 9.5                 | 17.2                | 5.0                 |
| Copper              | MG/KG | 270       | 17.9                | 16.3                | 17.1                | 34.5                | 20.4                |
| Iron                | MG/KG | -         | 14,800              | 16,400              | 18,300              | 34,300              | 12,500              |
| Lead                | MG/KG | 1000      | 28.3                | 26.4                | 12.0                | 27.8                | 28.9                |
| Magnesium           | MG/KG | -         | 13,500              | 12,900              | 15,600              | 29,100              | 12,200              |
| Manganese           | MG/KG | 10000     | 306                 | 318                 | 443                 | 1,090               | 303                 |
| Mercury             | MG/KG | 2.8       | 0.24                | 0.18                | 0.11                | 0.90                | 0.17                |
| Nickel              | MG/KG | 310       | 16.7                | 19.3                | 22.4                | 41.1                | 16.8                |
| Potassium           | MG/KG | -         | 2,640               | 2,830               | 3,650               | 7,150               | 1,650               |
| Selenium            | MG/KG | 1500      |                     |                     |                     | 1.8 J               |                     |
| Silver              | MG/KG | 1500      | 0.31 J              |                     | 0.29 J              |                     | 0.72 J              |
| Sodium              | MG/KG | -         | 173                 | 176                 | 243                 | 452                 | 155                 |
| Vanadium            | MG/KG | -         | 25.0                | 27.2                | 28.4                | 52.9                | 19.9                |
| Zinc                | MG/KG | 10000     | 86.0                | 74.8                | 53.4                | 113                 | 92.0                |

\*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Commercial, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.



Concentration Exceeds Criteria

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J - The reported concentration is an estimated value.

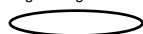
Only Detected Results Reported.

**TABLE 7**  
**SUMMARY OF SITE SURFACE SOIL SAMPLING**  
**TARGET COMPOUND LIST METALS**  
**NIAGARA SANITATION**

| Location ID         |       |           | SS-03               | SS-04               | SS-04               | SS-05               | SS-05               |
|---------------------|-------|-----------|---------------------|---------------------|---------------------|---------------------|---------------------|
| Sample ID           |       |           | SS-03-0212-20210621 | SS-04-0002-20210622 | SS-04-0212-20210622 | SS-05-0002-20210622 | SS-05-0212-20210622 |
| Matrix              |       |           | Soil                | Soil                | Soil                | Soil                | Soil                |
| Depth Interval (in) |       |           | 2.0-12.0            | 0.0-2.0             | 2.0-12.0            | 0.0-2.0             | 2.0-12.0            |
| Date Sampled        |       |           | 06/21/21            | 06/22/21            | 06/22/21            | 06/22/21            | 06/22/21            |
| Parameter           | Units | Criteria* |                     |                     |                     |                     |                     |
| <b>Metals</b>       |       |           |                     |                     |                     |                     |                     |
| Aluminum            | MG/KG | -         | 9,330               | 10,700              | 15,300              | 4,280               | 6,350               |
| Antimony            | MG/KG | -         |                     |                     |                     |                     |                     |
| Arsenic             | MG/KG | 16        | 2.3 J               | 5.8                 | 4.7                 | 2.4 J               | 1.9 J               |
| Barium              | MG/KG | 400       | 58.6                | 95.7                | 116                 | 62.7                | 57.5                |
| Beryllium           | MG/KG | 590       | 0.41                | 0.48                | 0.68                | 0.21 J              | 0.31                |
| Cadmium             | MG/KG | 9.3       | 0.45                | 4.6                 | 5.0                 | 3.4                 | 0.75                |
| Calcium             | MG/KG | -         | 25,600              | 31,100              | 39,700              | 64,100              | 46,200              |
| Chromium            | MG/KG | 1500      | 13.6                | 32.5                | 31.8                | 21.6                | 12.8                |
| Cobalt              | MG/KG | -         | 5.4                 | 8.6                 | 11.0                | 6.1                 | 5.4                 |
| Copper              | MG/KG | 270       | 16.1                | 64.4                | 57.0                | 28.3                | 12.6                |
| Iron                | MG/KG | -         | 13,100              | 34,700              | 25,800              | 17,500              | 16,000              |
| Lead                | MG/KG | 1000      | 20.3                | 85.5                | 74.6                | 45.7                | 30.0                |
| Magnesium           | MG/KG | -         | 9,940               | 11,600              | 12,300              | 6,680               | 12,100              |
| Manganese           | MG/KG | 10000     | 211                 | 461                 | 480                 | 255                 | 340                 |
| Mercury             | MG/KG | 2.8       | 0.074               | 0.37                | 0.47                | 0.21                |                     |
| Nickel              | MG/KG | 310       | 14.6                | 32.3                | 37.3                | 23.3                | 14.4                |
| Potassium           | MG/KG | -         | 1,490               | 2,350               | 3,720               | 1,460               | 1,350               |
| Selenium            | MG/KG | 1500      |                     | 3.2 J               | 2.1 J               | 1.4 J               | 0.82 J              |
| Silver              | MG/KG | 1500      | 0.39 J              | 2.0                 | 1.4                 | 0.75 J              |                     |
| Sodium              | MG/KG | -         | 142                 | 160 J               | 209                 | 221 J               | 164 J               |
| Vanadium            | MG/KG | -         | 23.1                | 24.6                | 32.0                | 11.8                | 15.2                |
| Zinc                | MG/KG | 10000     | 87.1                | 190                 | 157                 | 272                 | 82.4                |

\*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Commercial, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.



Concentration Exceeds Criteria

- = No standard, criteria or guidance value. Empty Cell - Not Detected. MG/KG - milligrams per kilogram.

J - The reported concentration is an estimated value.

Only Detected Results Reported.

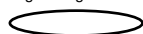


**TABLE 7**  
**SUMMARY OF SITE SURFACE SOIL SAMPLING**  
**TARGET COMPOUND LIST METALS**  
**NIAGARA SANITATION**

| Location ID         |       |           | SS-06               | SS-06               | SS-07               | SS-07               | SS-08               |
|---------------------|-------|-----------|---------------------|---------------------|---------------------|---------------------|---------------------|
| Sample ID           |       |           | SS-06-0002-20210622 | SS-06-0212-20210622 | SS-07-0002-20210622 | SS-07-0212-20210622 | SS-08-0002-20210622 |
| Matrix              |       |           | Soil                | Soil                | Soil                | Soil                | Soil                |
| Depth Interval (in) |       |           | 0.0-2.0             | 2.0-12.0            | 0.0-2.0             | 2.0-12.0            | 0.0-2.0             |
| Date Sampled        |       |           | 06/22/21            | 06/22/21            | 06/22/21            | 06/22/21            | 06/22/21            |
| Parameter           | Units | Criteria* |                     |                     |                     |                     |                     |
| <b>Metals</b>       |       |           |                     |                     |                     |                     |                     |
| Aluminum            | MG/KG | -         | 14,400              | 14,800              | 15,500              | 15,100              | 12,000              |
| Antimony            | MG/KG | -         |                     |                     |                     |                     |                     |
| Arsenic             | MG/KG | 16        | 3.3                 | 4.1                 | 4.6                 | 4.5                 | 2.2 J               |
| Barium              | MG/KG | 400       | 76.7                | 82.1                | 84.4                | 90.6                | 71.0                |
| Beryllium           | MG/KG | 590       | 0.61                | 0.69                | 0.68                | 0.66                | 0.57                |
| Cadmium             | MG/KG | 9.3       | 0.28 J              | 0.24 J              | 0.64                | 0.60                | 0.86                |
| Calcium             | MG/KG | -         | 6,600               | 5,150               | 34,300              | 36,300              | 25,900              |
| Chromium            | MG/KG | 1500      | 19.9                | 19.0                | 20.9                | 21.1                | 17.6                |
| Cobalt              | MG/KG | -         | 5.8                 | 10.8                | 9.1                 | 9.2                 | 7.2                 |
| Copper              | MG/KG | 270       | 10.7                | 14.7                | 20.4                | 21.6                | 20.3                |
| Iron                | MG/KG | -         | 15,200              | 19,100              | 19,500              | 20,300              | 16,300              |
| Lead                | MG/KG | 1000      | 20.0                | 15.0                | 35.0                | 36.5                | 29.4                |
| Magnesium           | MG/KG | -         | 4,300               | 3,330               | 11,400              | 12,200              | 11,500              |
| Manganese           | MG/KG | 10000     | 180                 | 440                 | 380                 | 409                 | 270                 |
| Mercury             | MG/KG | 2.8       |                     | 0.020 J             | 0.098               | 0.090               | 0.086               |
| Nickel              | MG/KG | 310       | 18.4                | 22.7                | 23.2                | 23.6                | 19.8                |
| Potassium           | MG/KG | -         | 1,270               | 1,270               | 3,800               | 3,500               | 3,270               |
| Selenium            | MG/KG | 1500      | 0.61 J              | 1.2 J               | 1.3 J               | 1.3 J               | 1.0 J               |
| Silver              | MG/KG | 1500      |                     |                     | 19.3                | 9.2                 | 0.39 J              |
| Sodium              | MG/KG | -         | 82.9 J              | 85.2 J              | 213                 | 202                 | 231 J               |
| Vanadium            | MG/KG | -         | 27.8                | 31.3                | 30.0                | 30.2                | 25.1                |
| Zinc                | MG/KG | 10000     | 63.4                | 49.0                | 111                 | 110                 | 125                 |

\*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Commercial, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.



Concentration Exceeds Criteria

- = No standard, criteria or guidance value. Empty Cell - Not Detected. MG/KG - milligrams per kilogram.

J - The reported concentration is an estimated value.

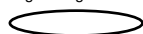
Only Detected Results Reported.

**TABLE 7**  
**SUMMARY OF SITE SURFACE SOIL SAMPLING**  
**TARGET COMPOUND LIST METALS**  
**NIAGARA SANITATION**

| Location ID         |       |           | SS-08               | SS-08               | SS-09               | SS-09               | SS-10               |
|---------------------|-------|-----------|---------------------|---------------------|---------------------|---------------------|---------------------|
| Sample ID           |       |           | SS-08-0212-20210622 | SS-08-0212-20210622 | SS-09-0002-20210621 | SS-09-0212-20210621 | SS-10-0002-20210621 |
| Matrix              |       |           | Soil                | Soil                | Soil                | Soil                | Soil                |
| Depth Interval (in) |       |           | 2.0-12.0            | 2.0-12.0            | 0.0-2.0             | 2.0-12.0            | 0.0-2.0             |
| Date Sampled        |       |           | 06/22/21            | 06/22/21            | 06/21/21            | 06/21/21            | 06/21/21            |
| Parameter           | Units | Criteria* |                     | Field Duplicate     |                     |                     |                     |
| <b>Metals</b>       |       |           |                     |                     |                     |                     |                     |
| Aluminum            | MG/KG | -         | 13,200              | 12,900              | 16,100              | 15,700              | 10,600              |
| Antimony            | MG/KG | -         |                     |                     |                     |                     |                     |
| Arsenic             | MG/KG | 16        | 4.0                 | 3.8                 | 3.5                 | 3.2                 | 3.2                 |
| Barium              | MG/KG | 400       | 79.5                | 76.5                | 96.5                | 89.0                | 63.4                |
| Beryllium           | MG/KG | 590       | 0.61                | 0.58                | 0.73                | 0.68                | 0.50                |
| Cadmium             | MG/KG | 9.3       | 0.42                | 0.29                | 0.37                | 0.24 J              | 0.82                |
| Calcium             | MG/KG | -         | 41,900              | 52,700              | 32,600              | 37,100              | 26,900              |
| Chromium            | MG/KG | 1500      | 19.3                | 17.5                | 22.2                | 20.6                | 14.9                |
| Cobalt              | MG/KG | -         | 9.2                 | 8.9                 | 10.7                | 9.3                 | 6.9                 |
| Copper              | MG/KG | 270       | 18.9                | 17.8                | 19.7                | 20.1                | 23.2                |
| Iron                | MG/KG | -         | 18,800              | 17,000              | 19,900              | 19,500              | 15,500              |
| Lead                | MG/KG | 1000      | 22.2                | 19.7                | 21.7                | 31.2                | 26.9                |
| Magnesium           | MG/KG | -         | 13,500              | 15,200              | 9,970               | 10,900              | 12,200              |
| Manganese           | MG/KG | 10000     | 415                 | 447                 | 400                 | 389                 | 300                 |
| Mercury             | MG/KG | 2.8       | 0.060               | 0.057               | 0.040               | 0.028               | 0.067               |
| Nickel              | MG/KG | 310       | 22.6                | 20.9                | 25.0                | 22.6                | 19.3                |
| Potassium           | MG/KG | -         | 3,160               | 3,290               | 4,080               | 3,500               | 2,800               |
| Selenium            | MG/KG | 1500      | 1.5 J               | 1.0 J               |                     |                     |                     |
| Silver              | MG/KG | 1500      |                     |                     | 0.29 J              |                     |                     |
| Sodium              | MG/KG | -         | 210                 | 221                 | 197                 | 190                 | 169                 |
| Vanadium            | MG/KG | -         | 28.3                | 26.8                | 34.3                | 33.0                | 25.4                |
| Zinc                | MG/KG | 10000     | 73.0                | 62.4                | 136                 | 65.0                | 83.2                |

\*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Commercial, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.



Concentration Exceeds Criteria

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J - The reported concentration is an estimated value.

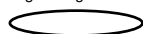
Only Detected Results Reported.

**TABLE 7**  
**SUMMARY OF SITE SURFACE SOIL SAMPLING**  
**TARGET COMPOUND LIST METALS**  
**NIAGARA SANITATION**

| Location ID         |       |           | SS-10               | SS-11               | SS-11               | SS-12               | SS-12               |
|---------------------|-------|-----------|---------------------|---------------------|---------------------|---------------------|---------------------|
| Sample ID           |       |           | SS-10-0212-20210621 | SS-11-0002-20210621 | SS-11-0212-20210621 | SS-12-0002-20210621 | SS-12-0212-20210621 |
| Matrix              |       |           | Soil                | Soil                | Soil                | Soil                | Soil                |
| Depth Interval (in) |       |           | 2.0-12.0            | 0.0-2.0             | 2.0-12.0            | 0.0-2.0             | 2.0-12.0            |
| Date Sampled        |       |           | 06/21/21            | 06/21/21            | 06/21/21            | 06/21/21            | 06/21/21            |
| Parameter           | Units | Criteria* |                     |                     |                     |                     |                     |
| <b>Metals</b>       |       |           |                     |                     |                     |                     |                     |
| Aluminum            | MG/KG | -         | 11,100              | 8,650               | 8,740               | 8,880 J             | 8,850               |
| Antimony            | MG/KG | -         |                     |                     |                     | 1.3 J               | 1.2 J               |
| Arsenic             | MG/KG | 16        | 2.8                 | 3.5                 | 3.5                 | 4.7                 | 4.7                 |
| Barium              | MG/KG | 400       | 57.7                | 52.6                | 53.8                | 181 J               | 171                 |
| Beryllium           | MG/KG | 590       | 0.51                | 0.39                | 0.39                | 0.40                | 0.41                |
| Cadmium             | MG/KG | 9.3       | 0.27                | 0.99                | 0.80                | 4.3 J               | 4.7                 |
| Calcium             | MG/KG | -         | 30,600              | 35,000              | 36,100              | 18,900              | 18,200              |
| Chromium            | MG/KG | 1500      | 15.2                | 16.1                | 16.1                | 32.5 J              | 34.0                |
| Cobalt              | MG/KG | -         | 6.9                 | 6.5                 | 6.2                 | 8.7 J               | 8.6                 |
| Copper              | MG/KG | 270       | 15.0                | 23.3                | 25.3                | 87.6 J              | 92.0                |
| Iron                | MG/KG | -         | 14,200              | 14,900              | 14,200              | 22,000              | 23,000              |
| Lead                | MG/KG | 1000      | 19.3                | 38.1                | 35.9                | 111 J               | 123                 |
| Magnesium           | MG/KG | -         | 12,600              | 14,400              | 14,100              | 8,650               | 8,960               |
| Manganese           | MG/KG | 10000     | 231                 | 375                 | 355                 | 375                 | 384                 |
| Mercury             | MG/KG | 2.8       | 0.043               | 0.20                | 0.20                | 1.1 J               | 1.2                 |
| Nickel              | MG/KG | 310       | 18.4                | 17.3                | 17.0                | 37.2 J              | 36.2                |
| Potassium           | MG/KG | -         | 2,440               | 2,260               | 2,150               | 1,900 J             | 1,870               |
| Selenium            | MG/KG | 1500      |                     |                     |                     |                     |                     |
| Silver              | MG/KG | 1500      | 0.25 J              | 0.49 J              | 0.54 J              | 4.9 J               | 5.4                 |
| Sodium              | MG/KG | -         | 173                 | 171                 | 175                 | 146                 | 134                 |
| Vanadium            | MG/KG | -         | 25.7                | 22.5                | 22.6                | 23.1 J              | 23.5                |
| Zinc                | MG/KG | 10000     | 58.1                | 128                 | 112                 | 416                 | 417                 |

\*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Commercial, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.



Concentration Exceeds Criteria

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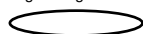
Only Detected Results Reported.

**TABLE 7**  
**SUMMARY OF SITE SURFACE SOIL SAMPLING**  
**TARGET COMPOUND LIST METALS**  
**NIAGARA SANITATION**

| Location ID         |       |           | SS-12               | SS-13               | SS-13               | SS-14               | SS-14               |
|---------------------|-------|-----------|---------------------|---------------------|---------------------|---------------------|---------------------|
| Sample ID           |       |           | SS-62-0212-20210621 | SS-13-0002-20210622 | SS-13-0212-20210622 | SS-14-0002-20210621 | SS-64-0002-20210621 |
| Matrix              |       |           | Soil                | Soil                | Soil                | Soil                | Soil                |
| Depth Interval (in) |       |           | 2.0-12.0            | 0.0-2.0             | 2.0-12.0            | 0.0-2.0             | 0.0-2.0             |
| Date Sampled        |       |           | 06/21/21            | 06/22/21            | 06/22/21            | 06/21/21            | 06/21/21            |
| Parameter           | Units | Criteria* | Field Duplicate     |                     |                     |                     | Field Duplicate     |
| Metals              |       |           |                     |                     |                     |                     |                     |
| Aluminum            | MG/KG | -         | 11,100              | 10,600 J            | 11,200              | 19,400              | 22,500              |
| Antimony            | MG/KG | -         |                     |                     |                     |                     |                     |
| Arsenic             | MG/KG | 16        | 13.3                | 3.8 J               | 6.7                 | 6.8                 | 4.1                 |
| Barium              | MG/KG | 400       | 244                 | 146 J               | 209                 | 118                 | 121                 |
| Beryllium           | MG/KG | 590       | 1.6                 | 0.55                | 0.57                | 0.87                | 1.0                 |
| Cadmium             | MG/KG | 9.3       | 3.7                 | 5.2                 | 5.9                 | 0.48                | 0.52                |
| Calcium             | MG/KG | -         | 37,000              | 26,800 J            | 21,800              | 51,900              | 23,000              |
| Chromium            | MG/KG | 1500      | 69.7                | 126                 | 155                 | 27.4                | 31.1                |
| Cobalt              | MG/KG | -         | 13.6                | 8.7                 | 14.4                | 13.6                | 13.4                |
| Copper              | MG/KG | 270       | 151                 | 82.8                | 106                 | 24.5                | 29.3                |
| Iron                | MG/KG | -         | 115,000             | 18,400 J            | 28,700              | 27,500              | 27,700              |
| Lead                | MG/KG | 1000      | 177                 | 599                 | 1,060               | 21.1                | 30.7                |
| Magnesium           | MG/KG | -         | 5,180               | 9,980 J             | 10,200              | 18,300              | 11,300              |
| Manganese           | MG/KG | 10000     | 1,260               | 264 J               | 231                 | 606                 | 494                 |
| Mercury             | MG/KG | 2.8       | 1.1                 | 0.95 J              | 1.3                 | 0.080               | 0.087               |
| Nickel              | MG/KG | 310       | 64.4                | 51.1                | 92.1                | 31.1                | 34.0                |
| Potassium           | MG/KG | -         | 1,830               | 2,470 J             | 2,200               | 5,050               | 6,190               |
| Selenium            | MG/KG | 1500      |                     |                     | 2.7 J               |                     |                     |
| Silver              | MG/KG | 1500      | 6.7                 | 4.8                 | 4.8                 | 0.61 J              |                     |
| Sodium              | MG/KG | -         | 295                 | 202 J               | 206 J               | 285                 | 243                 |
| Vanadium            | MG/KG | -         | 22.0                | 45.5                | 44.9                | 45.1                | 45.8                |
| Zinc                | MG/KG | 10000     | 547                 | 1,310               | 1,590               | 128                 | 128                 |

\*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Commercial, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.



Concentration Exceeds Criteria

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J - The reported concentration is an estimated value.

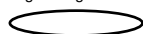
Only Detected Results Reported.

**TABLE 7**  
**SUMMARY OF SITE SURFACE SOIL SAMPLING**  
**TARGET COMPOUND LIST METALS**  
**NIAGARA SANITATION**

| Location ID         |       |           | SS-14               | SS-15               | SS-15               | SS-16               | SS-16               |
|---------------------|-------|-----------|---------------------|---------------------|---------------------|---------------------|---------------------|
| Sample ID           |       |           | SS-14-0212-20210621 | SS-15-0002-20210621 | SS-15-0212-20210621 | SS-16-0002-20210621 | SS-16-0212-20210621 |
| Matrix              |       |           | Soil                | Soil                | Soil                | Soil                | Soil                |
| Depth Interval (in) |       |           | 2.0-12.0            | 0.0-2.0             | 2.0-12.0            | 0.0-2.0             | 2.0-12.0            |
| Date Sampled        |       |           | 06/21/21            | 06/21/21            | 06/21/21            | 06/21/21            | 06/21/21            |
| Parameter           | Units | Criteria* |                     |                     |                     |                     |                     |
| <b>Metals</b>       |       |           |                     |                     |                     |                     |                     |
| Aluminum            | MG/KG | -         | 14,300              | 10,200              | 7,150               | 13,200              | 21,100              |
| Antimony            | MG/KG | -         |                     |                     |                     | 1.5 J               | 3.9 J               |
| Arsenic             | MG/KG | 16        | 5.9                 | 2.8 J               | 2.1 J               | 4.3                 | 7.2                 |
| Barium              | MG/KG | 400       | 90.2                | 73.3                | 52.0                | 164                 | 279                 |
| Beryllium           | MG/KG | 590       | 0.62                | 0.49                | 0.31                | 0.61                | 0.70                |
| Cadmium             | MG/KG | 9.3       | 0.34                | 0.88                | 0.36                | 4.6                 | 9.2                 |
| Calcium             | MG/KG | -         | 48,200              | 31,500              | 29,800              | 25,300              | 22,500              |
| Chromium            | MG/KG | 1500      | 21.5                | 17.6                | 15.3                | 37.7                | 71.8                |
| Cobalt              | MG/KG | -         | 10.3                | 6.1                 | 4.1                 | 9.3                 | 11.2                |
| Copper              | MG/KG | 270       | 15.6                | 25.7                | 12.8                | 81.1                | 189                 |
| Iron                | MG/KG | -         | 19,600              | 15,600              | 9,600               | 24,000              | 41,200              |
| Lead                | MG/KG | 1000      | 23.1                | 33.4                | 22.8                | 125                 | 373                 |
| Magnesium           | MG/KG | -         | 11,900              | 12,600              | 11,400              | 10,900              | 10,200              |
| Manganese           | MG/KG | 10000     | 644                 | 310                 | 186                 | 423                 | 489                 |
| Mercury             | MG/KG | 2.8       | 0.11                | 0.32                | 0.29                | 0.90                | 1.4                 |
| Nickel              | MG/KG | 310       | 23.0                | 18.1                | 11.6                | 35.0                | 57.6                |
| Potassium           | MG/KG | -         | 3,640               | 2,660               | 1,700               | 3,170               | 2,870               |
| Selenium            | MG/KG | 1500      |                     |                     |                     |                     | 4.1 J               |
| Silver              | MG/KG | 1500      |                     | 0.67 J              | 0.33 J              | 4.9                 | 10.4                |
| Sodium              | MG/KG | -         | 195                 | 174                 | 133                 | 183                 | 173 J               |
| Vanadium            | MG/KG | -         | 31.6                | 24.6                | 17.9                | 29.6                | 31.0                |
| Zinc                | MG/KG | 10000     | 55.4                | 109                 | 73.4                | 316                 | 651                 |

\*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Commercial, including CP-51 Table 1, Effective 12/2/10.

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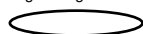
Only Detected Results Reported.

**TABLE 7**  
**SUMMARY OF SITE SURFACE SOIL SAMPLING**  
**TARGET COMPOUND LIST METALS**  
**NIAGARA SANITATION**

| Location ID         |       |           | SS-17               | SS-17               | SS-18               | SS-18               | SS-19               |
|---------------------|-------|-----------|---------------------|---------------------|---------------------|---------------------|---------------------|
| Sample ID           |       |           | SS-17-0002-20210621 | SS-17-0212-20210621 | SS-18-0002-20210621 | SS-18-0212-20210621 | SS-19-0002-20210621 |
| Matrix              |       |           | Soil                | Soil                | Soil                | Soil                | Soil                |
| Depth Interval (in) |       |           | 0.0-2.0             | 2.0-12.0            | 0.0-2.0             | 2.0-12.0            | 0.0-2.0             |
| Date Sampled        |       |           | 06/21/21            | 06/21/21            | 06/21/21            | 06/21/21            | 06/21/21            |
| Parameter           | Units | Criteria* |                     |                     |                     |                     |                     |
| <b>Metals</b>       |       |           |                     |                     |                     |                     |                     |
| Aluminum            | MG/KG | -         | 11,100              | 12,200              | 13,700              | 13,600              | 10,900              |
| Antimony            | MG/KG | -         |                     | 2.2 J               | 5.1 J               | 5.3 J               |                     |
| Arsenic             | MG/KG | 16        | 6.7                 | 9.0                 | 11.5                | 10.2                | 7.7                 |
| Barium              | MG/KG | 400       | 116                 | 158                 | 255                 | 287                 | 135                 |
| Beryllium           | MG/KG | 590       | 0.56                | 0.80                | 0.82                | 0.82                | 0.52                |
| Cadmium             | MG/KG | 9.3       | 6.1                 | 12.6                | 57.5                | 29.7                | 5.4                 |
| Calcium             | MG/KG | -         | 27,200              | 27,000              | 24,300              | 26,400              | 124,000             |
| Chromium            | MG/KG | 1500      | 39.6                | 47.0                | 86.6                | 152                 | 98.9                |
| Cobalt              | MG/KG | -         | 7.9                 | 8.6                 | 12.5                | 11.1                | 11.3                |
| Copper              | MG/KG | 270       | 82.8                | 115                 | 156                 | 540                 | 114                 |
| Iron                | MG/KG | -         | 21,400              | 26,800              | 41,900              | 36,200              | 24,300              |
| Lead                | MG/KG | 1000      | 101                 | 129                 | 397                 | 311                 | 138                 |
| Magnesium           | MG/KG | -         | 10,100              | 9,630               | 9,740               | 8,390               | 57,500              |
| Manganese           | MG/KG | 10000     | 414                 | 419                 | 512                 | 489                 | 1,160               |
| Mercury             | MG/KG | 2.8       | 0.75                | 0.78                | 19.1                | 121                 | 0.56                |
| Nickel              | MG/KG | 310       | 36.3                | 40.2                | 68.6                | 111                 | 51.3                |
| Potassium           | MG/KG | -         | 2,500               | 2,110               | 2,080               | 1,940               | 2,340               |
| Selenium            | MG/KG | 1500      | 2.0 J               | 2.3 J               | 4.2 J               | 3.7 J               | 2.5 J               |
| Silver              | MG/KG | 1500      | 3.4                 | 4.4                 | 5.2                 | 7.6                 | 2.9                 |
| Sodium              | MG/KG | -         | 166 J               | 195                 | 327                 | 271                 | 256 J               |
| Vanadium            | MG/KG | -         | 25.4                | 25.9                | 27.8                | 24.9                | 31.1                |
| Zinc                | MG/KG | 10000     | 340                 | 318                 | 546                 | 533                 | 427                 |

\*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Commercial, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.



Concentration Exceeds Criteria

- = No standard, criteria or guidance value. Empty Cell - Not Detected. MG/KG - milligrams per kilogram.

J - The reported concentration is an estimated value.

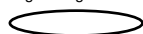
Only Detected Results Reported.

**TABLE 7**  
**SUMMARY OF SITE SURFACE SOIL SAMPLING**  
**TARGET COMPOUND LIST METALS**  
**NIAGARA SANITATION**

| Location ID         |       |           | SS-19               | SS-20               | SS-20               | SS-21               | SS-21               |
|---------------------|-------|-----------|---------------------|---------------------|---------------------|---------------------|---------------------|
| Sample ID           |       |           | SS-19-0212-20210621 | SS-20-0002-20210621 | SS-20-0212-20210621 | SS-21-0002-20210621 | SS-21-0212-20210621 |
| Matrix              |       |           | Soil                | Soil                | Soil                | Soil                | Soil                |
| Depth Interval (in) |       |           | 2.0-12.0            | 0.0-2.0             | 2.0-12.0            | 0.0-2.0             | 2.0-12.0            |
| Date Sampled        |       |           | 06/21/21            | 06/21/21            | 06/21/21            | 06/21/21            | 06/21/21            |
| Parameter           | Units | Criteria* |                     |                     |                     |                     |                     |
| <b>Metals</b>       |       |           |                     |                     |                     |                     |                     |
| Aluminum            | MG/KG | -         | 15,700              | 12,600              | 11,200              | 12,800              | 12,900              |
| Antimony            | MG/KG | -         | 1.9 J               |                     |                     |                     |                     |
| Arsenic             | MG/KG | 16        | 12.9                | 4.8                 | 11.7                | 6.7                 | 6.4                 |
| Barium              | MG/KG | 400       | 709                 | 76.0                | 106                 | 93.4 J              | 100                 |
| Beryllium           | MG/KG | 590       | 0.73                | 0.46                | 0.52                | 0.71                | 0.76                |
| Cadmium             | MG/KG | 9.3       | 10.8                | 3.7                 | 11.9                | 1.3 J               | 0.99                |
| Calcium             | MG/KG | -         | 33,100              | 10,700              | 31,300              | 25,700              | 33,200              |
| Chromium            | MG/KG | 1500      | 270                 | 25.3                | 44.9                | 29.7                | 27.4                |
| Cobalt              | MG/KG | -         | 15.0                | 6.3                 | 10.6                | 9.3                 | 9.0                 |
| Copper              | MG/KG | 270       | 466                 | 32.4                | 109                 | 47.8                | 40.2                |
| Iron                | MG/KG | -         | 41,400              | 22,200              | 50,600              | 27,800              | 28,500              |
| Lead                | MG/KG | 1000      | 622                 | 126                 | 532                 | 80.8                | 72.8                |
| Magnesium           | MG/KG | -         | 12,800              | 4,610               | 11,100              | 9,670               | 10,100              |
| Manganese           | MG/KG | 10000     | 692                 | 290                 | 521                 | 470                 | 500                 |
| Mercury             | MG/KG | 2.8       | 1.4                 | 0.12                | 0.43                | 0.26                | 0.19                |
| Nickel              | MG/KG | 310       | 170                 | 26.3                | 64.9                | 25.6                | 25.7                |
| Potassium           | MG/KG | -         | 2,110               | 1,740               | 1,870               | 2,600 J             | 2,560               |
| Selenium            | MG/KG | 1500      | 4.5 J               | 1.9 J               | 4.6 J               | 2.7 J               | 2.5 J               |
| Silver              | MG/KG | 1500      | 5.6                 |                     | 0.59 J              | 0.42 J              | 0.39 J              |
| Sodium              | MG/KG | -         | 244                 | 102 J               | 158 J               | 200                 | 223                 |
| Vanadium            | MG/KG | -         | 32.0                | 26.7                | 26.1                | 31.1                | 49.5                |
| Zinc                | MG/KG | 10000     | 879                 | 274                 | 727                 | 232                 | 193                 |

\*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Commercial, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.



Concentration Exceeds Criteria

- = No standard, criteria or guidance value. Empty Cell - Not Detected. MG/KG - milligrams per kilogram.

J - The reported concentration is an estimated value.

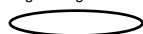
Only Detected Results Reported.

**TABLE 7**  
**SUMMARY OF SITE SURFACE SOIL SAMPLING**  
**TARGET COMPOUND LIST METALS**  
**NIAGARA SANITATION**

| Location ID         |       |           | SS-22               | SS-22               | SS-23               | SS-23               | SS-24               |
|---------------------|-------|-----------|---------------------|---------------------|---------------------|---------------------|---------------------|
| Sample ID           |       |           | SS-22-0002-20210621 | SS-22-0212-20210621 | SS-23-0002-20210621 | SS-23-0212-20210621 | SS-24-0002-20210621 |
| Matrix              |       |           | Soil                | Soil                | Soil                | Soil                | Soil                |
| Depth Interval (in) |       |           | 0.0-2.0             | 2.0-12.0            | 0.0-2.0             | 2.0-12.0            | 0.0-2.0             |
| Date Sampled        |       |           | 06/21/21            | 06/21/21            | 06/21/21            | 06/21/21            | 06/21/21            |
| Parameter           | Units | Criteria* |                     |                     |                     |                     |                     |
| <b>Metals</b>       |       |           |                     |                     |                     |                     |                     |
| Aluminum            | MG/KG | -         | 15,000              | 16,800              | 15,800              | 16,200              | 14,700              |
| Antimony            | MG/KG | -         |                     |                     |                     |                     |                     |
| Arsenic             | MG/KG | 16        | 4.2                 | 4.4                 | 5.1                 | 6.8                 | 4.9                 |
| Barium              | MG/KG | 400       | 93.5                | 100                 | 110                 | 117                 | 99.3                |
| Beryllium           | MG/KG | 590       | 0.49                | 0.50                | 0.75                | 0.77                | 0.74                |
| Cadmium             | MG/KG | 9.3       | 0.70                | 0.53                | 3.1                 | 2.1                 | 3.1                 |
| Calcium             | MG/KG | -         | 7,350               | 5,500               | 31,600              | 39,800              | 23,700              |
| Chromium            | MG/KG | 1500      | 19.2                | 20.1                | 27.0                | 28.4                | 28.6                |
| Cobalt              | MG/KG | -         | 4.9                 | 5.0                 | 9.5                 | 10.6                | 8.7                 |
| Copper              | MG/KG | 270       | 24.9                | 19.7                | 60.5                | 69.1                | 81.9                |
| Iron                | MG/KG | -         | 16,600              | 16,700              | 26,400              | 28,300              | 24,600              |
| Lead                | MG/KG | 1000      | 41.5                | 34.6                | 79.1                | 84.8                | 241                 |
| Magnesium           | MG/KG | -         | 3,470               | 3,170               | 11,100              | 15,300              | 11,400              |
| Manganese           | MG/KG | 10000     | 188                 | 203                 | 324                 | 394                 | 252                 |
| Mercury             | MG/KG | 2.8       | 0.23                | 0.097               | 0.52                | 0.46                | 0.36                |
| Nickel              | MG/KG | 310       | 18.5                | 18.7                | 31.0                | 34.2                | 29.6                |
| Potassium           | MG/KG | -         | 1,910               | 1,820               | 3,490               | 3,310               | 2,740               |
| Selenium            | MG/KG | 1500      | 1.7 J               | 1.2 J               | 2.9 J               | 2.9 J               | 2.4 J               |
| Silver              | MG/KG | 1500      | 0.55 J              | 0.32 J              | 1.7                 | 1.9                 | 1.2                 |
| Sodium              | MG/KG | -         | 114 J               | 123 J               | 186 J               | 203 J               | 182 J               |
| Vanadium            | MG/KG | -         | 28.0                | 30.6                | 35.3                | 38.1                | 33.7                |
| Zinc                | MG/KG | 10000     | 153                 | 134                 | 274                 | 233                 | 226                 |

\*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Commercial, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.



Concentration Exceeds Criteria

- = No standard, criteria or guidance value. Empty Cell - Not Detected. MG/KG - milligrams per kilogram.

J - The reported concentration is an estimated value.

Only Detected Results Reported.

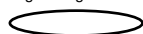


**TABLE 7**  
**SUMMARY OF SITE SURFACE SOIL SAMPLING**  
**TARGET COMPOUND LIST METALS**  
**NIAGARA SANITATION**

| Location ID         |       |           | SS-24               | SS-25               | SS-25               |
|---------------------|-------|-----------|---------------------|---------------------|---------------------|
| Sample ID           |       |           | SS-24-0212-20210621 | SS-25-0002-20210621 | SS-25-0212-20210621 |
| Matrix              |       |           | Soil                | Soil                | Soil                |
| Depth Interval (in) |       |           | 2.0-12.0            | 0.0-2.0             | 2.0-12.0            |
| Date Sampled        |       |           | 06/21/21            | 06/21/21            | 06/21/21            |
| Parameter           | Units | Criteria* |                     |                     |                     |
| <b>Metals</b>       |       |           |                     |                     |                     |
| Aluminum            | MG/KG | -         | 12,800              | 16,700              | 14,300              |
| Antimony            | MG/KG | -         |                     |                     |                     |
| Arsenic             | MG/KG | 16        | 4.2                 | 5.0                 | 4.4                 |
| Barium              | MG/KG | 400       | 83.9                | 104                 | 84.5                |
| Beryllium           | MG/KG | 590       | 0.61                | 0.81                | 0.64                |
| Cadmium             | MG/KG | 9.3       | 3.1                 | 1.6                 | 1.1                 |
| Calcium             | MG/KG | -         | 15,000              | 20,400              | 24,200              |
| Chromium            | MG/KG | 1500      | 25.7                | 26.9                | 20.3                |
| Cobalt              | MG/KG | -         | 7.5                 | 8.3                 | 7.1                 |
| Copper              | MG/KG | 270       | 81.8                | 66.1                | 90.3                |
| Iron                | MG/KG | -         | 20,400              | 21,100              | 18,100              |
| Lead                | MG/KG | 1000      | 75.0                | 77.2                | 47.0                |
| Magnesium           | MG/KG | -         | 7,820               | 9,460               | 9,960               |
| Manganese           | MG/KG | 10000     | 180                 | 284                 | 273                 |
| Mercury             | MG/KG | 2.8       | 0.42                | 0.33                | 0.45                |
| Nickel              | MG/KG | 310       | 29.0                | 29.5                | 23.5                |
| Potassium           | MG/KG | -         | 2,370               | 3,080               | 2,430               |
| Selenium            | MG/KG | 1500      | 2.4 J               | 1.8 J               | 1.9 J               |
| Silver              | MG/KG | 1500      | 1.5                 | 1.6                 | 1.0                 |
| Sodium              | MG/KG | -         | 150 J               | 176 J               | 156 J               |
| Vanadium            | MG/KG | -         | 28.9                | 31.9                | 27.3                |
| Zinc                | MG/KG | 10000     | 224                 | 208                 | 119                 |

\*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Commercial, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.



Concentration Exceeds Criteria

- = No standard, criteria or guidance value. Empty Cell - Not Detected. MG/KG - milligrams per kilogram.

J - The reported concentration is an estimated value.

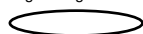
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**TABLE 8**  
**SUMMARY OF SITE SURFACE SOIL SAMPLING**  
**TARGET COMPOUND LIST PCBs/PESTICIDES**  
**NIAGARA SANITATION**

| Location ID                        |       |           | SS-01               | SS-01               | SS-02               | SS-02               | SS-03               |
|------------------------------------|-------|-----------|---------------------|---------------------|---------------------|---------------------|---------------------|
| Sample ID                          |       |           | SS-01-0002-20210621 | SS-01-0212-20210621 | SS-02-0002-20210621 | SS-02-0212-20210621 | SS-03-0002-20210621 |
| Matrix                             |       |           | Soil                | Soil                | Soil                | Soil                | Soil                |
| Depth Interval (in)                |       |           | 0.0-2.0             | 2.0-12.0            | 0.0-2.0             | 2.0-12.0            | 0.0-2.0             |
| Date Sampled                       |       |           | 06/21/21            | 06/21/21            | 06/21/21            | 06/21/21            | 06/21/21            |
| Parameter                          | Units | Criteria* |                     |                     |                     |                     |                     |
| <b>Pesticide Organic Compounds</b> |       |           |                     |                     |                     |                     |                     |
| 4,4'-DDD                           | MG/KG | 92        |                     | 0.0011 J            |                     |                     | 0.0018 J            |
| 4,4'-DDE                           | MG/KG | 62        | 0.0018 J            | 0.0019 J            | 0.0056 J            | 0.0079 J            | 0.0022 J            |
| 4,4'-DDT                           | MG/KG | 47        | 0.0062 J            | 0.0050 J            |                     |                     | 0.0081 J            |
| Aldrin                             | MG/KG | 0.68      |                     |                     |                     |                     |                     |
| alpha-BHC                          | MG/KG | 3.4       |                     |                     |                     |                     |                     |
| beta-BHC                           | MG/KG | 3         | 0.00046 NJ          |                     | 0.00049 NJ          | 0.00045 J           |                     |
| Dieldrin                           | MG/KG | 1.4       | 0.0016 J            | 0.00073 NJ          |                     |                     | 0.0035              |
| Endosulfan I                       | MG/KG | 200       | 0.0010 NJ           | 0.00058 NJ          |                     |                     |                     |
| Endosulfan II                      | MG/KG | 200       | 0.00062 NJ          |                     | 0.00056 J           | 0.00042 J           |                     |
| Endosulfan sulfate                 | MG/KG | 200       |                     |                     |                     |                     |                     |
| Endrin                             | MG/KG | 89        | 0.00077 J           |                     |                     |                     | 0.0013 J            |
| Endrin aldehyde                    | MG/KG | -         | 0.0040 J            | 0.0030 J            |                     |                     |                     |
| Heptachlor                         | MG/KG | 15        |                     |                     |                     |                     |                     |
| Heptachlor epoxide                 | MG/KG | -         |                     |                     |                     |                     |                     |
| Methoxychlor                       | MG/KG | -         |                     |                     |                     |                     |                     |
| Mirex                              | MG/KG | -         |                     |                     |                     |                     |                     |
| trans-Chlordane                    | MG/KG | -         | 0.0017 NJ           | 0.0014 NJ           | 0.0012 NJ           | 0.0013 NJ           | 0.0014 NJ           |
| <b>Polychlorinated Biphenyls</b>   |       |           |                     |                     |                     |                     |                     |
| Aroclor 1232                       | MG/KG | -         |                     |                     |                     |                     |                     |
| Aroclor 1254                       | MG/KG | -         |                     |                     |                     |                     |                     |
| Aroclor 1260                       | MG/KG | -         |                     |                     |                     |                     | 0.14 J              |
| Total Polychlorinated Biphenyls    | MG/KG | 1         |                     |                     |                     |                     | 0.14                |

\*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Commercial, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.



Concentration Exceeds Criteria

- = No standard, criteria or guidance value. Empty Cell - Not Detected. MG/KG - milligrams per kilogram.

J - The reported concentration is an estimated value. R - The data is rejected.

NJ - Tentatively identified. The reported concentration is an estimated value.

PCBs - Polychlorinated Biphenyls

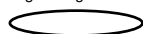
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**TABLE 8**  
**SUMMARY OF SITE SURFACE SOIL SAMPLING**  
**TARGET COMPOUND LIST PCBs/PESTICIDES**  
**NIAGARA SANITATION**

| Location ID                        |       |           | SS-03               | SS-04               | SS-04               | SS-05               | SS-05               |
|------------------------------------|-------|-----------|---------------------|---------------------|---------------------|---------------------|---------------------|
| Sample ID                          |       |           | SS-03-0212-20210621 | SS-04-0002-20210622 | SS-04-0212-20210622 | SS-05-0002-20210622 | SS-05-0212-20210622 |
| Matrix                             |       |           | Soil                | Soil                | Soil                | Soil                | Soil                |
| Depth Interval (in)                |       |           | 2.0-12.0            | 0.0-2.0             | 2.0-12.0            | 0.0-2.0             | 2.0-12.0            |
| Date Sampled                       |       |           | 06/21/21            | 06/22/21            | 06/22/21            | 06/22/21            | 06/22/21            |
| Parameter                          | Units | Criteria* |                     |                     |                     |                     |                     |
| <b>Pesticide Organic Compounds</b> |       |           |                     |                     |                     |                     |                     |
| 4,4'-DDD                           | MG/KG | 92        | 0.0027              | 0.016 J             |                     |                     |                     |
| 4,4'-DDE                           | MG/KG | 62        | 0.0019 J            | 0.17                | 0.20                |                     | 0.00093 J           |
| 4,4'-DDT                           | MG/KG | 47        | 0.0059 J            | 0.15                | 0.23                |                     |                     |
| Aldrin                             | MG/KG | 0.68      |                     |                     |                     |                     |                     |
| alpha-BHC                          | MG/KG | 3.4       | 0.00075 J           |                     |                     |                     |                     |
| beta-BHC                           | MG/KG | 3         | 0.00048 NJ          |                     |                     | 0.0035 J            | 0.0015 R            |
| Dieldrin                           | MG/KG | 1.4       | 0.0024              |                     |                     |                     |                     |
| Endosulfan I                       | MG/KG | 200       | 0.00045 J           |                     |                     |                     |                     |
| Endosulfan II                      | MG/KG | 200       | 0.00044 NJ          |                     |                     |                     |                     |
| Endosulfan sulfate                 | MG/KG | 200       | 0.00056 J           |                     |                     |                     |                     |
| Endrin                             | MG/KG | 89        | 0.0011 J            |                     |                     |                     |                     |
| Endrin aldehyde                    | MG/KG | -         |                     |                     |                     | 0.0043              | 0.0026              |
| Heptachlor                         | MG/KG | 15        | 0.00066 J           |                     |                     |                     | 0.0049 J            |
| Heptachlor epoxide                 | MG/KG | -         | 0.00055 NJ          |                     |                     |                     |                     |
| Methoxychlor                       | MG/KG | -         |                     |                     |                     |                     |                     |
| Mirex                              | MG/KG | -         |                     |                     |                     |                     |                     |
| trans-Chlordane                    | MG/KG | -         | 0.0018 NJ           | 0.015 J             |                     | 0.0012 R            |                     |
| <b>Polychlorinated Biphenyls</b>   |       |           |                     |                     |                     |                     |                     |
| Aroclor 1232                       | MG/KG | -         |                     |                     |                     |                     |                     |
| Aroclor 1254                       | MG/KG | -         |                     | 0.28 J              | 0.43                |                     |                     |
| Aroclor 1260                       | MG/KG | -         |                     |                     |                     |                     |                     |
| Total Polychlorinated Biphenyls    | MG/KG | 1         |                     | 0.28                | 0.43                |                     |                     |

\*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Commercial, including CP-51 Table 1, Effective 12/2/10.

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NJ - Tentatively identified. The reported concentration is an estimated value.

PCBs - Polychlorinated Biphenyls

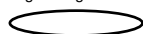
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**TABLE 8**  
**SUMMARY OF SITE SURFACE SOIL SAMPLING**  
**TARGET COMPOUND LIST PCBs/PESTICIDES**  
**NIAGARA SANITATION**

| Location ID                        |       |           | SS-06               | SS-06               | SS-07               | SS-07               | SS-08               |
|------------------------------------|-------|-----------|---------------------|---------------------|---------------------|---------------------|---------------------|
| Sample ID                          |       |           | SS-06-0002-20210622 | SS-06-0212-20210622 | SS-07-0002-20210622 | SS-07-0212-20210622 | SS-08-0002-20210622 |
| Matrix                             |       |           | Soil                | Soil                | Soil                | Soil                | Soil                |
| Depth Interval (in)                |       |           | 0.0-2.0             | 2.0-12.0            | 0.0-2.0             | 2.0-12.0            | 0.0-2.0             |
| Date Sampled                       |       |           | 06/22/21            | 06/22/21            | 06/22/21            | 06/22/21            | 06/22/21            |
| Parameter                          | Units | Criteria* |                     |                     |                     |                     |                     |
| <b>Pesticide Organic Compounds</b> |       |           |                     |                     |                     |                     |                     |
| 4,4'-DDD                           | MG/KG | 92        |                     |                     | 0.0016 J            | 0.0017 J            |                     |
| 4,4'-DDE                           | MG/KG | 62        |                     |                     | 0.0092              | 0.0078              | 0.0041 J            |
| 4,4'-DDT                           | MG/KG | 47        |                     |                     | 0.011 J             | 0.026               | 0.0038 NJ           |
| Aldrin                             | MG/KG | 0.68      |                     |                     |                     |                     |                     |
| alpha-BHC                          | MG/KG | 3.4       |                     |                     |                     |                     | 0.00054 J           |
| beta-BHC                           | MG/KG | 3         | 0.0026              |                     | 0.0022              | 0.0024 J            |                     |
| Dieldrin                           | MG/KG | 1.4       |                     |                     | 0.00051 R           |                     | 0.0012 J            |
| Endosulfan I                       | MG/KG | 200       |                     |                     |                     |                     |                     |
| Endosulfan II                      | MG/KG | 200       |                     |                     |                     |                     |                     |
| Endosulfan sulfate                 | MG/KG | 200       |                     |                     |                     |                     |                     |
| Endrin                             | MG/KG | 89        |                     |                     |                     |                     |                     |
| Endrin aldehyde                    | MG/KG | -         |                     |                     |                     | 0.020 R             |                     |
| Heptachlor                         | MG/KG | 15        |                     |                     |                     |                     |                     |
| Heptachlor epoxide                 | MG/KG | -         |                     |                     |                     |                     |                     |
| Methoxychlor                       | MG/KG | -         |                     |                     | 0.00052 J           |                     | 0.0014 J            |
| Mirex                              | MG/KG | -         |                     |                     | 0.0019 J            |                     |                     |
| trans-Chlordane                    | MG/KG | -         |                     |                     |                     |                     |                     |
| <b>Polychlorinated Biphenyls</b>   |       |           |                     |                     |                     |                     |                     |
| Aroclor 1232                       | MG/KG | -         |                     |                     |                     |                     |                     |
| Aroclor 1254                       | MG/KG | -         |                     |                     |                     |                     |                     |
| Aroclor 1260                       | MG/KG | -         |                     |                     |                     |                     |                     |
| Total Polychlorinated Biphenyls    | MG/KG | 1         |                     |                     |                     |                     |                     |

\*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Commercial, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.



Concentration Exceeds Criteria

- = No standard, criteria or guidance value. Empty Cell - Not Detected. MG/KG - milligrams per kilogram.

J - The reported concentration is an estimated value. R - The data is rejected.

NJ - Tentatively identified. The reported concentration is an estimated value.

PCBs - Polychlorinated Biphenyls

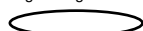
Only Detected Results Reported.

**TABLE 8**  
**SUMMARY OF SITE SURFACE SOIL SAMPLING**  
**TARGET COMPOUND LIST PCBs/PESTICIDES**  
**NIAGARA SANITATION**

| Location ID                        |       |           | SS-08               | SS-08               | SS-09               | SS-09               | SS-10               |
|------------------------------------|-------|-----------|---------------------|---------------------|---------------------|---------------------|---------------------|
| Sample ID                          |       |           | SS-08-0212-20210622 | SS-58-0212-20210622 | SS-09-0002-20210621 | SS-09-0212-20210621 | SS-10-0002-20210621 |
| Matrix                             |       |           | Soil                | Soil                | Soil                | Soil                | Soil                |
| Depth Interval (in)                |       |           | 2.0-12.0            | 2.0-12.0            | 0.0-2.0             | 2.0-12.0            | 0.0-2.0             |
| Date Sampled                       |       |           | 06/22/21            | 06/22/21            | 06/21/21            | 06/21/21            | 06/21/21            |
| Parameter                          | Units | Criteria* |                     | Field Duplicate     |                     |                     |                     |
| <b>Pesticide Organic Compounds</b> |       |           |                     |                     |                     |                     |                     |
| 4,4'-DDD                           | MG/KG | 92        |                     |                     | 0.00055 J           | 0.00045 J           | 0.00085 J           |
| 4,4'-DDE                           | MG/KG | 62        | 0.0020              |                     | 0.00082 J           | 0.00069 J           | 0.0014 J            |
| 4,4'-DDT                           | MG/KG | 47        | 0.0028 R            |                     |                     |                     |                     |
| Aldrin                             | MG/KG | 0.68      |                     |                     | 0.00074 NJ          |                     |                     |
| alpha-BHC                          | MG/KG | 3.4       |                     |                     |                     |                     |                     |
| beta-BHC                           | MG/KG | 3         | 0.0022 R            | 0.0017 J            | 0.0017 J            |                     | 0.00062 NJ          |
| Dieldrin                           | MG/KG | 1.4       |                     |                     | 0.0064              |                     |                     |
| Endosulfan I                       | MG/KG | 200       |                     |                     |                     |                     | 0.00080 NJ          |
| Endosulfan II                      | MG/KG | 200       |                     |                     | 0.00064 J           |                     |                     |
| Endosulfan sulfate                 | MG/KG | 200       |                     |                     |                     |                     |                     |
| Endrin                             | MG/KG | 89        |                     |                     |                     |                     |                     |
| Endrin aldehyde                    | MG/KG | -         |                     |                     |                     |                     |                     |
| Heptachlor                         | MG/KG | 15        |                     |                     |                     | 0.00079 J           |                     |
| Heptachlor epoxide                 | MG/KG | -         |                     |                     |                     |                     |                     |
| Methoxychlor                       | MG/KG | -         |                     |                     | 0.0016 J            | 0.0015 J            |                     |
| Mirex                              | MG/KG | -         |                     |                     |                     |                     |                     |
| trans-Chlordane                    | MG/KG | -         |                     |                     |                     | 0.0061              |                     |
| <b>Polychlorinated Biphenyls</b>   |       |           |                     |                     |                     |                     |                     |
| Aroclor 1232                       | MG/KG | -         |                     |                     |                     |                     |                     |
| Aroclor 1254                       | MG/KG | -         |                     |                     |                     |                     |                     |
| Aroclor 1260                       | MG/KG | -         |                     |                     |                     |                     |                     |
| Total Polychlorinated Biphenyls    | MG/KG | 1         |                     |                     |                     |                     |                     |

\*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Commercial, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.



Concentration Exceeds Criteria

- = No standard, criteria or guidance value. Empty Cell - Not Detected. MG/KG - milligrams per kilogram.

J - The reported concentration is an estimated value. R - The data is rejected.

NJ - Tentatively identified. The reported concentration is an estimated value.

PCBs - Polychlorinated Biphenyls

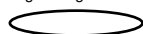
Only Detected Results Reported.

**TABLE 8**  
**SUMMARY OF SITE SURFACE SOIL SAMPLING**  
**TARGET COMPOUND LIST PCBs/PESTICIDES**  
**NIAGARA SANITATION**

| Location ID                        |       |           | SS-10               | SS-11               | SS-11               | SS-12               | SS-12               |
|------------------------------------|-------|-----------|---------------------|---------------------|---------------------|---------------------|---------------------|
| Sample ID                          |       |           | SS-10-0212-20210621 | SS-11-0002-20210621 | SS-11-0212-20210621 | SS-12-0002-20210621 | SS-12-0212-20210621 |
| Matrix                             |       |           | Soil                | Soil                | Soil                | Soil                | Soil                |
| Depth Interval (in)                |       |           | 2.0-12.0            | 0.0-2.0             | 2.0-12.0            | 0.0-2.0             | 2.0-12.0            |
| Date Sampled                       |       |           | 06/21/21            | 06/21/21            | 06/21/21            | 06/21/21            | 06/21/21            |
| Parameter                          | Units | Criteria* |                     |                     |                     |                     |                     |
| <b>Pesticide Organic Compounds</b> |       |           |                     |                     |                     |                     |                     |
| 4,4'-DDD                           | MG/KG | 92        | 0.00078 J           |                     | 0.0013 NJ           |                     | 0.0064 J            |
| 4,4'-DDE                           | MG/KG | 62        | 0.0012 J            | 0.0043 NJ           | 0.0049 J            | 0.018               | 0.0060 J            |
| 4,4'-DDT                           | MG/KG | 47        |                     | 0.045 J             | 0.033 J             | 0.046 J             | 0.020 NJ            |
| Aldrin                             | MG/KG | 0.68      |                     | 0.0021 NJ           |                     |                     |                     |
| alpha-BHC                          | MG/KG | 3.4       |                     |                     |                     |                     |                     |
| beta-BHC                           | MG/KG | 3         |                     | 0.0023 J            | 0.0022 J            |                     |                     |
| Dieldrin                           | MG/KG | 1.4       |                     | 0.0039 NJ           | 0.0033 NJ           | 0.020 J             |                     |
| Endosulfan I                       | MG/KG | 200       |                     | 0.0040 J            | 0.0025 J            |                     | 0.0025 J            |
| Endosulfan II                      | MG/KG | 200       | 0.00057 J           | 0.0018 NJ           | 0.0020 NJ           |                     |                     |
| Endosulfan sulfate                 | MG/KG | 200       |                     |                     | 0.0016 NJ           |                     |                     |
| Endrin                             | MG/KG | 89        |                     | 0.0025 J            | 0.0021 J            |                     | 0.0033 J            |
| Endrin aldehyde                    | MG/KG | -         |                     |                     |                     |                     |                     |
| Heptachlor                         | MG/KG | 15        |                     |                     |                     |                     |                     |
| Heptachlor epoxide                 | MG/KG | -         |                     | 0.0028 NJ           | 0.0021 NJ           |                     |                     |
| Methoxychlor                       | MG/KG | -         |                     |                     |                     |                     |                     |
| Mirex                              | MG/KG | -         |                     | 0.0010 NJ           | 0.0010 NJ           |                     |                     |
| trans-Chlordane                    | MG/KG | -         |                     | 0.015 J             | 0.010 J             |                     | 0.010 J             |
| <b>Polychlorinated Biphenyls</b>   |       |           |                     |                     |                     |                     |                     |
| Aroclor 1232                       | MG/KG | -         |                     |                     |                     |                     |                     |
| Aroclor 1254                       | MG/KG | -         |                     | 0.28                | 0.25                |                     |                     |
| Aroclor 1260                       | MG/KG | -         |                     |                     |                     | 0.25 J              | 0.32                |
| Total Polychlorinated Biphenyls    | MG/KG | 1         |                     | 0.28                | 0.25                | 0.25                | 0.32                |

\*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Commercial, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.



Concentration Exceeds Criteria

- = No standard, criteria or guidance value. Empty Cell - Not Detected. MG/KG - milligrams per kilogram.

J - The reported concentration is an estimated value. R - The data is rejected.

NJ - Tentatively identified. The reported concentration is an estimated value.

PCBs - Polychlorinated Biphenyls

Only Detected Results Reported.

**TABLE 8**  
**SUMMARY OF SITE SURFACE SOIL SAMPLING**  
**TARGET COMPOUND LIST PCBs/PESTICIDES**  
**NIAGARA SANITATION**

| Location ID                        |       |           | SS-12               | SS-13               | SS-13               | SS-14               | SS-14               |
|------------------------------------|-------|-----------|---------------------|---------------------|---------------------|---------------------|---------------------|
| Sample ID                          |       |           | SS-62-0212-20210621 | SS-13-0002-20210622 | SS-13-0212-20210622 | SS-14-0002-20210621 | SS-64-0002-20210621 |
| Matrix                             |       |           | Soil                | Soil                | Soil                | Soil                | Soil                |
| Depth Interval (in)                |       |           | 2.0-12.0            | 0.0-2.0             | 2.0-12.0            | 0.0-2.0             | 0.0-2.0             |
| Date Sampled                       |       |           | 06/21/21            | 06/22/21            | 06/22/21            | 06/21/21            | 06/21/21            |
| Parameter                          | Units | Criteria* | Field Duplicate     |                     |                     |                     | Field Duplicate     |
| <b>Pesticide Organic Compounds</b> |       |           |                     |                     |                     |                     |                     |
| 4,4'-DDD                           | MG/KG | 92        | 0.010 NJ            |                     |                     |                     |                     |
| 4,4'-DDE                           | MG/KG | 62        | 0.016 J             |                     |                     |                     | 0.0011 J            |
| 4,4'-DDT                           | MG/KG | 47        | 0.11 J              |                     |                     |                     |                     |
| Aldrin                             | MG/KG | 0.68      |                     |                     |                     |                     |                     |
| alpha-BHC                          | MG/KG | 3.4       |                     |                     |                     |                     |                     |
| beta-BHC                           | MG/KG | 3         |                     |                     |                     | 0.0048 J            |                     |
| Dieldrin                           | MG/KG | 1.4       | 0.030 NJ            |                     |                     |                     |                     |
| Endosulfan I                       | MG/KG | 200       |                     |                     |                     |                     |                     |
| Endosulfan II                      | MG/KG | 200       |                     |                     |                     |                     |                     |
| Endosulfan sulfate                 | MG/KG | 200       |                     |                     |                     |                     |                     |
| Endrin                             | MG/KG | 89        | 0.0078 J            |                     |                     |                     |                     |
| Endrin aldehyde                    | MG/KG | -         |                     | 0.047               | 0.047 J             |                     |                     |
| Heptachlor                         | MG/KG | 15        |                     |                     |                     |                     |                     |
| Heptachlor epoxide                 | MG/KG | -         |                     |                     |                     |                     |                     |
| Methoxychlor                       | MG/KG | -         | 0.027 NJ            |                     |                     | 0.0087 J            | 0.0028 J            |
| Mirex                              | MG/KG | -         |                     |                     |                     |                     |                     |
| trans-Chlordane                    | MG/KG | -         | 0.013 J             |                     |                     |                     |                     |
| <b>Polychlorinated Biphenyls</b>   |       |           |                     |                     |                     |                     |                     |
| Aroclor 1232                       | MG/KG | -         | 0.19 J              |                     |                     |                     |                     |
| Aroclor 1254                       | MG/KG | -         |                     |                     |                     |                     |                     |
| Aroclor 1260                       | MG/KG | -         | 0.71                | 0.36 J              | 1.2 J               |                     |                     |
| Total Polychlorinated Biphenyls    | MG/KG | 1         | 0.9                 | 0.36                | 1.2                 |                     |                     |

\*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Commercial, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

 Concentration Exceeds Criteria

- = No standard, criteria or guidance value. Empty Cell - Not Detected. MG/KG - milligrams per kilogram.

J - The reported concentration is an estimated value. R - The data is rejected.

NJ - Tentatively identified. The reported concentration is an estimated value.

PCBs - Polychlorinated Biphenyls

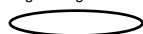
Only Detected Results Reported.

**TABLE 8**  
**SUMMARY OF SITE SURFACE SOIL SAMPLING**  
**TARGET COMPOUND LIST PCBs/PESTICIDES**  
**NIAGARA SANITATION**

| Location ID                        |       |           | SS-14               | SS-15               | SS-15               | SS-16               | SS-16               |
|------------------------------------|-------|-----------|---------------------|---------------------|---------------------|---------------------|---------------------|
| Sample ID                          |       |           | SS-14-0212-20210621 | SS-15-0002-20210621 | SS-15-0212-20210621 | SS-16-0002-20210621 | SS-16-0212-20210621 |
| Matrix                             |       |           | Soil                | Soil                | Soil                | Soil                | Soil                |
| Depth Interval (in)                |       |           | 2.0-12.0            | 0.0-2.0             | 2.0-12.0            | 0.0-2.0             | 2.0-12.0            |
| Date Sampled                       |       |           | 06/21/21            | 06/21/21            | 06/21/21            | 06/21/21            | 06/21/21            |
| Parameter                          | Units | Criteria* |                     |                     |                     |                     |                     |
| <b>Pesticide Organic Compounds</b> |       |           |                     |                     |                     |                     |                     |
| 4,4'-DDD                           | MG/KG | 92        | 0.00087 J           |                     | 0.0021 J            | 0.0020 J            | 0.0062 NJ           |
| 4,4'-DDE                           | MG/KG | 62        | 0.0012 J            | 0.0048 J            | 0.0016 J            | 0.0024 J            | 0.0095 NJ           |
| 4,4'-DDT                           | MG/KG | 47        |                     |                     | 0.0054 J            | 0.013               | 0.042 J             |
| Aldrin                             | MG/KG | 0.68      |                     |                     |                     |                     |                     |
| alpha-BHC                          | MG/KG | 3.4       |                     |                     | 0.0010 NJ           |                     |                     |
| beta-BHC                           | MG/KG | 3         |                     | 0.0080 NJ           | 0.0015 NJ           |                     |                     |
| Dieldrin                           | MG/KG | 1.4       |                     |                     | 0.0014 J            | 0.0024 NJ           | 0.025 J             |
| Endosulfan I                       | MG/KG | 200       |                     |                     |                     |                     |                     |
| Endosulfan II                      | MG/KG | 200       | 0.00049 J           |                     | 0.0014 NJ           |                     |                     |
| Endosulfan sulfate                 | MG/KG | 200       |                     |                     |                     |                     |                     |
| Endrin                             | MG/KG | 89        |                     |                     | 0.0012 NJ           | 0.00064 NJ          |                     |
| Endrin aldehyde                    | MG/KG | -         |                     |                     | 0.0023 J            | 0.0027              |                     |
| Heptachlor                         | MG/KG | 15        |                     |                     |                     |                     |                     |
| Heptachlor epoxide                 | MG/KG | -         |                     |                     |                     |                     |                     |
| Methoxychlor                       | MG/KG | -         | 0.0016 J            |                     |                     | 0.0013 NJ           | 0.0068 NJ           |
| Mirex                              | MG/KG | -         |                     |                     | 0.00099 J           | 0.0012 NJ           |                     |
| trans-Chlordane                    | MG/KG | -         |                     |                     | 0.0056 NJ           | 0.0019 NJ           | 0.0077 J            |
| <b>Polychlorinated Biphenyls</b>   |       |           |                     |                     |                     |                     |                     |
| Aroclor 1232                       | MG/KG | -         |                     |                     |                     |                     |                     |
| Aroclor 1254                       | MG/KG | -         |                     |                     |                     |                     |                     |
| Aroclor 1260                       | MG/KG | -         |                     |                     |                     | 0.32                | 0.55                |
| Total Polychlorinated Biphenyls    | MG/KG | 1         |                     |                     |                     | 0.32                | 0.55                |

\*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Commercial, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.



Concentration Exceeds Criteria

- = No standard, criteria or guidance value. Empty Cell - Not Detected. MG/KG - milligrams per kilogram.

J - The reported concentration is an estimated value. R - The data is rejected.

NJ - Tentatively identified. The reported concentration is an estimated value.

PCBs - Polychlorinated Biphenyls

Only Detected Results Reported.

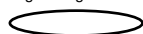


**TABLE 8**  
**SUMMARY OF SITE SURFACE SOIL SAMPLING**  
**TARGET COMPOUND LIST PCBs/PESTICIDES**  
**NIAGARA SANITATION**

| Location ID                        |       |           | SS-17               | SS-17               | SS-18               | SS-18               | SS-19               |
|------------------------------------|-------|-----------|---------------------|---------------------|---------------------|---------------------|---------------------|
| Sample ID                          |       |           | SS-17-0002-20210621 | SS-17-0212-20210621 | SS-18-0002-20210621 | SS-18-0212-20210621 | SS-19-0002-20210621 |
| Matrix                             |       |           | Soil                | Soil                | Soil                | Soil                | Soil                |
| Depth Interval (in)                |       |           | 0.0-2.0             | 2.0-12.0            | 0.0-2.0             | 2.0-12.0            | 0.0-2.0             |
| Date Sampled                       |       |           | 06/21/21            | 06/21/21            | 06/21/21            | 06/21/21            | 06/21/21            |
| Parameter                          | Units | Criteria* |                     |                     |                     |                     |                     |
| <b>Pesticide Organic Compounds</b> |       |           |                     |                     |                     |                     |                     |
| 4,4'-DDD                           | MG/KG | 92        |                     |                     |                     |                     |                     |
| 4,4'-DDE                           | MG/KG | 62        | 0.0016 NJ           |                     |                     | 0.052 J             | 0.012 J             |
| 4,4'-DDT                           | MG/KG | 47        |                     |                     | 0.17                | 0.28 J              |                     |
| Aldrin                             | MG/KG | 0.68      |                     |                     |                     |                     |                     |
| alpha-BHC                          | MG/KG | 3.4       |                     |                     |                     |                     |                     |
| beta-BHC                           | MG/KG | 3         |                     |                     |                     |                     |                     |
| Dieldrin                           | MG/KG | 1.4       | 0.0025 NJ           |                     | 0.039 NJ            | 0.072 NJ            | 0.020 NJ            |
| Endosulfan I                       | MG/KG | 200       |                     |                     |                     |                     |                     |
| Endosulfan II                      | MG/KG | 200       |                     |                     |                     |                     |                     |
| Endosulfan sulfate                 | MG/KG | 200       |                     |                     |                     |                     |                     |
| Endrin                             | MG/KG | 89        | 0.0015 J            |                     |                     |                     | 0.010 J             |
| Endrin aldehyde                    | MG/KG | -         | 0.0034 J            |                     | 0.014 J             |                     | 0.034 J             |
| Heptachlor                         | MG/KG | 15        |                     |                     |                     |                     |                     |
| Heptachlor epoxide                 | MG/KG | -         |                     |                     |                     |                     |                     |
| Methoxychlor                       | MG/KG | -         |                     |                     |                     | 0.040 J             |                     |
| Mirex                              | MG/KG | -         | 0.00096 NJ          |                     |                     |                     |                     |
| trans-Chlordane                    | MG/KG | -         | 0.0015 NJ           |                     |                     |                     | 0.013 J             |
| <b>Polychlorinated Biphenyls</b>   |       |           |                     |                     |                     |                     |                     |
| Aroclor 1232                       | MG/KG | -         |                     |                     |                     |                     |                     |
| Aroclor 1254                       | MG/KG | -         |                     |                     |                     |                     |                     |
| Aroclor 1260                       | MG/KG | -         | 0.37                | 0.79                | 2.6                 | 4.4                 | 2.5                 |
| Total Polychlorinated Biphenyls    | MG/KG | 1         | 0.37                | 0.79                | 2.6                 | 4.4                 | 2.5                 |

\*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Commercial, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.



Concentration Exceeds Criteria

- = No standard, criteria or guidance value. Empty Cell - Not Detected. MG/KG - milligrams per kilogram.

J - The reported concentration is an estimated value. R - The data is rejected.

NJ - Tentatively identified. The reported concentration is an estimated value.

PCBs - Polychlorinated Biphenyls

Only Detected Results Reported.

**TABLE 8**  
**SUMMARY OF SITE SURFACE SOIL SAMPLING**  
**TARGET COMPOUND LIST PCBs/PESTICIDES**  
**NIAGARA SANITATION**

| Location ID                        |       |           | SS-19               | SS-20               | SS-20               | SS-21               | SS-21               |
|------------------------------------|-------|-----------|---------------------|---------------------|---------------------|---------------------|---------------------|
| Sample ID                          |       |           | SS-19-0212-20210621 | SS-20-0002-20210621 | SS-20-0212-20210621 | SS-21-0002-20210621 | SS-21-0212-20210621 |
| Matrix                             |       |           | Soil                | Soil                | Soil                | Soil                | Soil                |
| Depth Interval (in)                |       |           | 2.0-12.0            | 0.0-2.0             | 2.0-12.0            | 0.0-2.0             | 2.0-12.0            |
| Date Sampled                       |       |           | 06/21/21            | 06/21/21            | 06/21/21            | 06/21/21            | 06/21/21            |
| Parameter                          | Units | Criteria* |                     |                     |                     |                     |                     |
| <b>Pesticide Organic Compounds</b> |       |           |                     |                     |                     |                     |                     |
| 4,4'-DDD                           | MG/KG | 92        | 0.032 NJ            |                     | 0.034 J             |                     |                     |
| 4,4'-DDE                           | MG/KG | 62        | 0.056               |                     |                     |                     |                     |
| 4,4'-DDT                           | MG/KG | 47        | 0.34 J              | 0.0043 J            |                     |                     |                     |
| Aldrin                             | MG/KG | 0.68      |                     |                     |                     |                     |                     |
| alpha-BHC                          | MG/KG | 3.4       |                     |                     |                     |                     |                     |
| beta-BHC                           | MG/KG | 3         |                     |                     |                     |                     |                     |
| Dieldrin                           | MG/KG | 1.4       | 0.043 J             | 0.00059 NJ          |                     |                     |                     |
| Endosulfan I                       | MG/KG | 200       |                     |                     |                     |                     |                     |
| Endosulfan II                      | MG/KG | 200       |                     |                     |                     |                     |                     |
| Endosulfan sulfate                 | MG/KG | 200       |                     |                     |                     |                     |                     |
| Endrin                             | MG/KG | 89        | 0.017 J             |                     |                     |                     |                     |
| Endrin aldehyde                    | MG/KG | -         | 0.030 J             | 0.0021 J            |                     |                     |                     |
| Heptachlor                         | MG/KG | 15        |                     |                     |                     |                     |                     |
| Heptachlor epoxide                 | MG/KG | -         |                     |                     |                     |                     |                     |
| Methoxychlor                       | MG/KG | -         | 0.040 NJ            |                     |                     |                     |                     |
| Mirex                              | MG/KG | -         |                     | 0.0019 J            |                     |                     |                     |
| trans-Chlordane                    | MG/KG | -         | 0.018 NJ            |                     |                     |                     |                     |
| <b>Polychlorinated Biphenyls</b>   |       |           |                     |                     |                     |                     |                     |
| Aroclor 1232                       | MG/KG | -         |                     |                     |                     |                     |                     |
| Aroclor 1254                       | MG/KG | -         |                     |                     | 0.52                |                     |                     |
| Aroclor 1260                       | MG/KG | -         | 4.3 J               |                     |                     |                     |                     |
| Total Polychlorinated Biphenyls    | MG/KG | 1         | 4.3                 |                     | 0.52                |                     |                     |

\*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Commercial, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

 Concentration Exceeds Criteria

- = No standard, criteria or guidance value. Empty Cell - Not Detected. MG/KG - milligrams per kilogram.

J - The reported concentration is an estimated value. R - The data is rejected.

NJ - Tentatively identified. The reported concentration is an estimated value.

PCBs - Polychlorinated Biphenyls

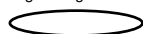
Only Detected Results Reported.

**TABLE 8**  
**SUMMARY OF SITE SURFACE SOIL SAMPLING**  
**TARGET COMPOUND LIST PCBs/PESTICIDES**  
**NIAGARA SANITATION**

| Location ID                        |       |           | SS-22               | SS-22               | SS-23               | SS-23               | SS-24               |
|------------------------------------|-------|-----------|---------------------|---------------------|---------------------|---------------------|---------------------|
| Sample ID                          |       |           | SS-22-0002-20210621 | SS-22-0212-20210621 | SS-23-0002-20210621 | SS-23-0212-20210621 | SS-24-0002-20210621 |
| Matrix                             |       |           | Soil                | Soil                | Soil                | Soil                | Soil                |
| Depth Interval (in)                |       |           | 0.0-2.0             | 2.0-12.0            | 0.0-2.0             | 2.0-12.0            | 0.0-2.0             |
| Date Sampled                       |       |           | 06/21/21            | 06/21/21            | 06/21/21            | 06/21/21            | 06/21/21            |
| Parameter                          | Units | Criteria* |                     |                     |                     |                     |                     |
| <b>Pesticide Organic Compounds</b> |       |           |                     |                     |                     |                     |                     |
| 4,4'-DDD                           | MG/KG | 92        |                     |                     |                     |                     |                     |
| 4,4'-DDE                           | MG/KG | 62        | 0.00097 J           | 0.00087 J           | 0.0020 J            | 0.00096 J           |                     |
| 4,4'-DDT                           | MG/KG | 47        |                     | 0.0027              |                     | 0.0070              | 0.015 J             |
| Aldrin                             | MG/KG | 0.68      |                     |                     |                     |                     |                     |
| alpha-BHC                          | MG/KG | 3.4       |                     |                     |                     |                     |                     |
| beta-BHC                           | MG/KG | 3         | 0.00073 J           |                     |                     |                     |                     |
| Dieldrin                           | MG/KG | 1.4       |                     | 0.0014 J            |                     |                     | 0.0020 J            |
| Endosulfan I                       | MG/KG | 200       |                     |                     |                     |                     |                     |
| Endosulfan II                      | MG/KG | 200       |                     | 0.0014 NJ           | 0.0020 J            |                     |                     |
| Endosulfan sulfate                 | MG/KG | 200       |                     |                     |                     |                     |                     |
| Endrin                             | MG/KG | 89        |                     |                     |                     |                     |                     |
| Endrin aldehyde                    | MG/KG | -         | 0.0058 J            |                     | 0.0022 J            | 0.0024 J            | 0.0016 NJ           |
| Heptachlor                         | MG/KG | 15        |                     |                     |                     |                     |                     |
| Heptachlor epoxide                 | MG/KG | -         |                     |                     |                     |                     |                     |
| Methoxychlor                       | MG/KG | -         |                     | 0.00053 NJ          |                     |                     | 0.0046 NJ           |
| Mirex                              | MG/KG | -         |                     | 0.0013 J            | 0.0033 J            | 0.0010 NJ           | 0.0024 NJ           |
| trans-Chlordane                    | MG/KG | -         |                     |                     |                     |                     |                     |
| <b>Polychlorinated Biphenyls</b>   |       |           |                     |                     |                     |                     |                     |
| Aroclor 1232                       | MG/KG | -         |                     |                     |                     |                     |                     |
| Aroclor 1254                       | MG/KG | -         |                     |                     |                     |                     |                     |
| Aroclor 1260                       | MG/KG | -         |                     |                     |                     |                     |                     |
| Total Polychlorinated Biphenyls    | MG/KG | 1         |                     |                     |                     |                     |                     |

\*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Commercial, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.



Concentration Exceeds Criteria

- = No standard, criteria or guidance value. Empty Cell - Not Detected. MG/KG - milligrams per kilogram.

J - The reported concentration is an estimated value. R - The data is rejected.

NJ - Tentatively identified. The reported concentration is an estimated value.

PCBs - Polychlorinated Biphenyls

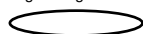
Only Detected Results Reported.

**TABLE 8**  
**SUMMARY OF SITE SURFACE SOIL SAMPLING**  
**TARGET COMPOUND LIST PCBs/PESTICIDES**  
**NIAGARA SANITATION**

| Location ID                        |       |           | SS-24               | SS-25               | SS-25               |
|------------------------------------|-------|-----------|---------------------|---------------------|---------------------|
| Sample ID                          |       |           | SS-24-0212-20210621 | SS-25-0002-20210621 | SS-25-0212-20210621 |
| Matrix                             |       |           | Soil                | Soil                | Soil                |
| Depth Interval (in)                |       |           | 2.0-12.0            | 0.0-2.0             | 2.0-12.0            |
| Date Sampled                       |       |           | 06/21/21            | 06/21/21            | 06/21/21            |
| Parameter                          | Units | Criteria* |                     |                     |                     |
| <b>Pesticide Organic Compounds</b> |       |           |                     |                     |                     |
| 4,4'-DDD                           | MG/KG | 92        |                     |                     |                     |
| 4,4'-DDE                           | MG/KG | 62        |                     |                     |                     |
| 4,4'-DDT                           | MG/KG | 47        |                     |                     |                     |
| Aldrin                             | MG/KG | 0.68      |                     |                     |                     |
| alpha-BHC                          | MG/KG | 3.4       |                     |                     |                     |
| beta-BHC                           | MG/KG | 3         |                     |                     |                     |
| Dieldrin                           | MG/KG | 1.4       |                     |                     |                     |
| Endosulfan I                       | MG/KG | 200       |                     |                     |                     |
| Endosulfan II                      | MG/KG | 200       |                     |                     |                     |
| Endosulfan sulfate                 | MG/KG | 200       |                     |                     |                     |
| Endrin                             | MG/KG | 89        |                     |                     |                     |
| Endrin aldehyde                    | MG/KG | -         |                     |                     |                     |
| Heptachlor                         | MG/KG | 15        |                     |                     |                     |
| Heptachlor epoxide                 | MG/KG | -         |                     |                     | 0.0037 J            |
| Methoxychlor                       | MG/KG | -         |                     |                     |                     |
| Mirex                              | MG/KG | -         |                     |                     |                     |
| trans-Chlordane                    | MG/KG | -         |                     |                     |                     |
| <b>Polychlorinated Biphenyls</b>   |       |           |                     |                     |                     |
| Aroclor 1232                       | MG/KG | -         |                     |                     |                     |
| Aroclor 1254                       | MG/KG | -         | 0.17 J              |                     |                     |
| Aroclor 1260                       | MG/KG | -         |                     |                     |                     |
| Total Polychlorinated Biphenyls    | MG/KG | 1         | 0.17                |                     |                     |

\*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Commercial, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.



Concentration Exceeds Criteria

- = No standard, criteria or guidance value. Empty Cell - Not Detected. MG/KG - milligrams per kilogram.

J - The reported concentration is an estimated value. R - The data is rejected.

NJ - Tentatively identified. The reported concentration is an estimated value.

PCBs - Polychlorinated Biphenyls

Only Detected Results Reported.

## **APPENDIX A**

### **CAMP DATA**

## Downwind CAMP Station - Dust

| Instrument     |             | Data Properties  |            |
|----------------|-------------|------------------|------------|
| Model          | DustTrak II | Start Date       | 6/7/2021   |
| Instrument S/N | 8530141412  | Start Time       | 9:14:09    |
|                |             | Stop Date        | 6/7/2021   |
|                |             | Stop Time        | 12:42:39   |
|                |             | Total Time       | 0:03:28:00 |
|                |             | Logging Interval | 30 seconds |

## Test Data

| Data Point | Date     | Time    | AEROSOL mg/m <sup>3</sup> |
|------------|----------|---------|---------------------------|
| 1          | 6/7/2021 | 9:14:39 | 0.034                     |
| 2          | 6/7/2021 | 9:15:09 | 0.034                     |
| 3          | 6/7/2021 | 9:15:39 | 0.033                     |
| 4          | 6/7/2021 | 9:16:09 | 0.033                     |
| 5          | 6/7/2021 | 9:16:39 | 0.034                     |
| 6          | 6/7/2021 | 9:17:09 | 0.033                     |
| 7          | 6/7/2021 | 9:17:39 | 0.033                     |
| 8          | 6/7/2021 | 9:18:09 | 0.033                     |
| 9          | 6/7/2021 | 9:18:39 | 0.032                     |
| 10         | 6/7/2021 | 9:19:09 | 0.033                     |
| 11         | 6/7/2021 | 9:19:39 | 0.033                     |
| 12         | 6/7/2021 | 9:20:09 | 0.033                     |
| 13         | 6/7/2021 | 9:20:39 | 0.033                     |
| 14         | 6/7/2021 | 9:21:09 | 0.033                     |
| 15         | 6/7/2021 | 9:21:39 | 0.033                     |
| 16         | 6/7/2021 | 9:22:09 | 0.032                     |
| 17         | 6/7/2021 | 9:22:39 | 0.032                     |

Downwind CAMP Station - Dust

|    |          |         |       |
|----|----------|---------|-------|
| 18 | 6/7/2021 | 9:23:09 | 0.032 |
| 19 | 6/7/2021 | 9:23:39 | 0.033 |
| 20 | 6/7/2021 | 9:24:09 | 0.036 |
| 21 | 6/7/2021 | 9:24:39 | 0.034 |
| 22 | 6/7/2021 | 9:25:09 | 0.033 |
| 23 | 6/7/2021 | 9:25:39 | 0.035 |
| 24 | 6/7/2021 | 9:26:09 | 0.037 |
| 25 | 6/7/2021 | 9:26:39 | 0.035 |
| 26 | 6/7/2021 | 9:27:09 | 0.034 |
| 27 | 6/7/2021 | 9:27:39 | 0.034 |
| 28 | 6/7/2021 | 9:28:09 | 0.032 |
| 29 | 6/7/2021 | 9:28:39 | 0.033 |
| 30 | 6/7/2021 | 9:29:09 | 0.059 |
| 31 | 6/7/2021 | 9:29:39 | 0.046 |
| 32 | 6/7/2021 | 9:30:09 | 0.048 |
| 33 | 6/7/2021 | 9:30:39 | 0.043 |
| 34 | 6/7/2021 | 9:31:09 | 0.034 |
| 35 | 6/7/2021 | 9:31:39 | 0.033 |
| 36 | 6/7/2021 | 9:32:09 | 0.033 |
| 37 | 6/7/2021 | 9:32:39 | 0.033 |
| 38 | 6/7/2021 | 9:33:09 | 0.033 |
| 39 | 6/7/2021 | 9:33:39 | 0.034 |
| 40 | 6/7/2021 | 9:34:09 | 0.04  |

Downwind CAMP Station - Dust

|    |          |         |       |
|----|----------|---------|-------|
| 41 | 6/7/2021 | 9:34:39 | 0.041 |
| 42 | 6/7/2021 | 9:35:09 | 0.037 |
| 43 | 6/7/2021 | 9:35:39 | 0.036 |
| 44 | 6/7/2021 | 9:36:09 | 0.04  |
| 45 | 6/7/2021 | 9:36:39 | 0.037 |
| 46 | 6/7/2021 | 9:37:09 | 0.039 |
| 47 | 6/7/2021 | 9:37:39 | 0.059 |
| 48 | 6/7/2021 | 9:38:09 | 0.043 |
| 49 | 6/7/2021 | 9:38:39 | 0.034 |
| 50 | 6/7/2021 | 9:39:09 | 0.033 |
| 51 | 6/7/2021 | 9:39:39 | 0.034 |
| 52 | 6/7/2021 | 9:40:09 | 0.033 |
| 53 | 6/7/2021 | 9:40:39 | 0.032 |
| 54 | 6/7/2021 | 9:41:09 | 0.032 |
| 55 | 6/7/2021 | 9:41:39 | 0.032 |
| 56 | 6/7/2021 | 9:42:09 | 0.047 |
| 57 | 6/7/2021 | 9:42:39 | 0.033 |
| 58 | 6/7/2021 | 9:43:09 | 0.033 |
| 59 | 6/7/2021 | 9:43:39 | 0.031 |
| 60 | 6/7/2021 | 9:44:09 | 0.03  |
| 61 | 6/7/2021 | 9:44:39 | 0.031 |
| 62 | 6/7/2021 | 9:45:09 | 0.03  |



Downwind CAMP Station - Dust

|    |          |         |       |
|----|----------|---------|-------|
| 63 | 6/7/2021 | 9:45:39 | 0.029 |
| 64 | 6/7/2021 | 9:46:09 | 0.029 |
| 65 | 6/7/2021 | 9:46:39 | 0.031 |
| 66 | 6/7/2021 | 9:47:09 | 0.061 |
| 67 | 6/7/2021 | 9:47:39 | 0.035 |
| 68 | 6/7/2021 | 9:48:09 | 0.035 |
| 69 | 6/7/2021 | 9:48:39 | 0.035 |
| 70 | 6/7/2021 | 9:49:09 | 0.032 |
| 71 | 6/7/2021 | 9:49:39 | 0.034 |
| 72 | 6/7/2021 | 9:50:09 | 0.037 |
| 73 | 6/7/2021 | 9:50:39 | 0.032 |
| 74 | 6/7/2021 | 9:51:09 | 0.033 |
| 75 | 6/7/2021 | 9:51:39 | 0.03  |
| 76 | 6/7/2021 | 9:52:09 | 0.028 |
| 77 | 6/7/2021 | 9:52:39 | 0.028 |
| 78 | 6/7/2021 | 9:53:09 | 0.028 |
| 79 | 6/7/2021 | 9:53:39 | 0.028 |
| 80 | 6/7/2021 | 9:54:09 | 0.029 |
| 81 | 6/7/2021 | 9:54:39 | 0.028 |
| 82 | 6/7/2021 | 9:55:09 | 0.028 |
| 83 | 6/7/2021 | 9:55:39 | 0.028 |
| 84 | 6/7/2021 | 9:56:09 | 0.028 |
| 85 | 6/7/2021 | 9:56:39 | 0.031 |

Downwind CAMP Station - Dust

|     |          |          |       |
|-----|----------|----------|-------|
| 86  | 6/7/2021 | 9:57:09  | 0.031 |
| 87  | 6/7/2021 | 9:57:39  | 0.034 |
| 88  | 6/7/2021 | 9:58:09  | 0.029 |
| 89  | 6/7/2021 | 9:58:39  | 0.028 |
| 90  | 6/7/2021 | 9:59:09  | 0.027 |
| 91  | 6/7/2021 | 9:59:39  | 0.027 |
| 92  | 6/7/2021 | 10:00:09 | 0.027 |
| 93  | 6/7/2021 | 10:00:39 | 0.027 |
| 94  | 6/7/2021 | 10:01:09 | 0.028 |
| 95  | 6/7/2021 | 10:01:39 | 0.027 |
| 96  | 6/7/2021 | 10:02:09 | 0.027 |
| 97  | 6/7/2021 | 10:02:39 | 0.027 |
| 98  | 6/7/2021 | 10:03:09 | 0.027 |
| 99  | 6/7/2021 | 10:03:39 | 0.026 |
| 100 | 6/7/2021 | 10:04:09 | 0.027 |
| 101 | 6/7/2021 | 10:04:39 | 0.027 |
| 102 | 6/7/2021 | 10:05:09 | 0.027 |
| 103 | 6/7/2021 | 10:05:39 | 0.035 |
| 104 | 6/7/2021 | 10:06:09 | 0.029 |
| 105 | 6/7/2021 | 10:06:39 | 0.03  |
| 106 | 6/7/2021 | 10:07:09 | 0.028 |
| 107 | 6/7/2021 | 10:07:39 | 0.028 |

Downwind CAMP Station - Dust

|     |          |          |       |
|-----|----------|----------|-------|
| 108 | 6/7/2021 | 10:08:09 | 0.026 |
| 109 | 6/7/2021 | 10:08:39 | 0.026 |
| 110 | 6/7/2021 | 10:09:09 | 0.026 |
| 111 | 6/7/2021 | 10:09:39 | 0.026 |
| 112 | 6/7/2021 | 10:10:09 | 0.028 |
| 113 | 6/7/2021 | 10:10:39 | 0.026 |
| 114 | 6/7/2021 | 10:11:09 | 0.025 |
| 115 | 6/7/2021 | 10:11:39 | 0.025 |
| 116 | 6/7/2021 | 10:12:09 | 0.025 |
| 117 | 6/7/2021 | 10:12:39 | 0.025 |
| 118 | 6/7/2021 | 10:13:09 | 0.025 |
| 119 | 6/7/2021 | 10:13:39 | 0.027 |
| 120 | 6/7/2021 | 10:14:09 | 0.025 |
| 121 | 6/7/2021 | 10:14:39 | 0.025 |
| 122 | 6/7/2021 | 10:15:09 | 0.025 |
| 123 | 6/7/2021 | 10:15:39 | 0.026 |
| 124 | 6/7/2021 | 10:16:09 | 0.025 |
| 125 | 6/7/2021 | 10:16:39 | 0.025 |
| 126 | 6/7/2021 | 10:17:09 | 0.025 |
| 127 | 6/7/2021 | 10:17:39 | 0.025 |
| 128 | 6/7/2021 | 10:18:09 | 0.025 |
| 129 | 6/7/2021 | 10:18:39 | 0.025 |
| 130 | 6/7/2021 | 10:19:09 | 0.025 |

Downwind CAMP Station - Dust

|     |          |          |       |
|-----|----------|----------|-------|
| 131 | 6/7/2021 | 10:19:39 | 0.026 |
| 132 | 6/7/2021 | 10:20:09 | 0.025 |
| 133 | 6/7/2021 | 10:20:39 | 0.026 |
| 134 | 6/7/2021 | 10:21:09 | 0.025 |
| 135 | 6/7/2021 | 10:21:39 | 0.025 |
| 136 | 6/7/2021 | 10:22:09 | 0.025 |
| 137 | 6/7/2021 | 10:22:39 | 0.025 |
| 138 | 6/7/2021 | 10:23:09 | 0.025 |
| 139 | 6/7/2021 | 10:23:39 | 0.025 |
| 140 | 6/7/2021 | 10:24:09 | 0.025 |
| 141 | 6/7/2021 | 10:24:39 | 0.024 |
| 142 | 6/7/2021 | 10:25:09 | 0.025 |
| 143 | 6/7/2021 | 10:25:39 | 0.026 |
| 144 | 6/7/2021 | 10:26:09 | 0.055 |
| 145 | 6/7/2021 | 10:26:39 | 0.029 |
| 146 | 6/7/2021 | 10:27:09 | 0.038 |
| 147 | 6/7/2021 | 10:27:39 | 0.029 |
| 148 | 6/7/2021 | 10:28:09 | 0.027 |
| 149 | 6/7/2021 | 10:28:39 | 0.029 |
| 150 | 6/7/2021 | 10:29:09 | 0.027 |
| 151 | 6/7/2021 | 10:29:39 | 0.025 |
| 152 | 6/7/2021 | 10:30:09 | 0.026 |

Downwind CAMP Station - Dust

|     |          |          |       |
|-----|----------|----------|-------|
| 153 | 6/7/2021 | 10:30:39 | 0.026 |
| 154 | 6/7/2021 | 10:31:09 | 0.025 |
| 155 | 6/7/2021 | 10:31:39 | 0.024 |
| 156 | 6/7/2021 | 10:32:09 | 0.025 |
| 157 | 6/7/2021 | 10:32:39 | 0.025 |
| 158 | 6/7/2021 | 10:33:09 | 0.024 |
| 159 | 6/7/2021 | 10:33:39 | 0.024 |
| 160 | 6/7/2021 | 10:34:09 | 0.024 |
| 161 | 6/7/2021 | 10:34:39 | 0.024 |
| 162 | 6/7/2021 | 10:35:09 | 0.025 |
| 163 | 6/7/2021 | 10:35:39 | 0.025 |
| 164 | 6/7/2021 | 10:36:09 | 0.024 |
| 165 | 6/7/2021 | 10:36:39 | 0.023 |
| 166 | 6/7/2021 | 10:37:09 | 0.024 |
| 167 | 6/7/2021 | 10:37:39 | 0.024 |
| 168 | 6/7/2021 | 10:38:09 | 0.024 |
| 169 | 6/7/2021 | 10:38:39 | 0.024 |
| 170 | 6/7/2021 | 10:39:09 | 0.024 |
| 171 | 6/7/2021 | 10:39:39 | 0.024 |
| 172 | 6/7/2021 | 10:40:09 | 0.024 |
| 173 | 6/7/2021 | 10:40:39 | 0.024 |
| 174 | 6/7/2021 | 10:41:09 | 0.024 |
| 175 | 6/7/2021 | 10:41:39 | 0.024 |

Downwind CAMP Station - Dust

|     |          |          |       |
|-----|----------|----------|-------|
| 176 | 6/7/2021 | 10:42:09 | 0.024 |
| 177 | 6/7/2021 | 10:42:39 | 0.024 |
| 178 | 6/7/2021 | 10:43:09 | 0.024 |
| 179 | 6/7/2021 | 10:43:39 | 0.024 |
| 180 | 6/7/2021 | 10:44:09 | 0.024 |
| 181 | 6/7/2021 | 10:44:39 | 0.024 |
| 182 | 6/7/2021 | 10:45:09 | 0.024 |
| 183 | 6/7/2021 | 10:45:39 | 0.024 |
| 184 | 6/7/2021 | 10:46:09 | 0.024 |
| 185 | 6/7/2021 | 10:46:39 | 0.024 |
| 186 | 6/7/2021 | 10:47:09 | 0.024 |
| 187 | 6/7/2021 | 10:47:39 | 0.024 |
| 188 | 6/7/2021 | 10:48:09 | 0.023 |
| 189 | 6/7/2021 | 10:48:39 | 0.024 |
| 190 | 6/7/2021 | 10:49:09 | 0.024 |
| 191 | 6/7/2021 | 10:49:39 | 0.024 |
| 192 | 6/7/2021 | 10:50:09 | 0.024 |
| 193 | 6/7/2021 | 10:50:39 | 0.024 |
| 194 | 6/7/2021 | 10:51:09 | 0.024 |
| 195 | 6/7/2021 | 10:51:39 | 0.023 |
| 196 | 6/7/2021 | 10:52:09 | 0.023 |
| 197 | 6/7/2021 | 10:52:39 | 0.023 |

Downwind CAMP Station - Dust

|     |          |          |       |
|-----|----------|----------|-------|
| 198 | 6/7/2021 | 10:53:09 | 0.023 |
| 199 | 6/7/2021 | 10:53:39 | 0.024 |
| 200 | 6/7/2021 | 10:54:09 | 0.024 |
| 201 | 6/7/2021 | 10:54:39 | 0.023 |
| 202 | 6/7/2021 | 10:55:09 | 0.023 |
| 203 | 6/7/2021 | 10:55:39 | 0.023 |
| 204 | 6/7/2021 | 10:56:09 | 0.023 |
| 205 | 6/7/2021 | 10:56:39 | 0.023 |
| 206 | 6/7/2021 | 10:57:09 | 0.023 |
| 207 | 6/7/2021 | 10:57:39 | 0.025 |
| 208 | 6/7/2021 | 10:58:09 | 0.023 |
| 209 | 6/7/2021 | 10:58:39 | 0.022 |
| 210 | 6/7/2021 | 10:59:09 | 0.022 |
| 211 | 6/7/2021 | 10:59:39 | 0.022 |
| 212 | 6/7/2021 | 11:00:09 | 0.022 |
| 213 | 6/7/2021 | 11:00:39 | 0.022 |
| 214 | 6/7/2021 | 11:01:09 | 0.022 |
| 215 | 6/7/2021 | 11:01:39 | 0.021 |
| 216 | 6/7/2021 | 11:02:09 | 0.021 |
| 217 | 6/7/2021 | 11:02:39 | 0.021 |
| 218 | 6/7/2021 | 11:03:09 | 0.022 |
| 219 | 6/7/2021 | 11:03:39 | 0.021 |
| 220 | 6/7/2021 | 11:04:09 | 0.021 |

Downwind CAMP Station - Dust

|     |          |          |       |
|-----|----------|----------|-------|
| 221 | 6/7/2021 | 11:04:39 | 0.021 |
| 222 | 6/7/2021 | 11:05:09 | 0.022 |
| 223 | 6/7/2021 | 11:05:39 | 0.021 |
| 224 | 6/7/2021 | 11:06:09 | 0.022 |
| 225 | 6/7/2021 | 11:06:39 | 0.021 |
| 226 | 6/7/2021 | 11:07:09 | 0.021 |
| 227 | 6/7/2021 | 11:07:39 | 0.021 |
| 228 | 6/7/2021 | 11:08:09 | 0.021 |
| 229 | 6/7/2021 | 11:08:39 | 0.02  |
| 230 | 6/7/2021 | 11:09:09 | 0.02  |
| 231 | 6/7/2021 | 11:09:39 | 0.021 |
| 232 | 6/7/2021 | 11:10:09 | 0.02  |
| 233 | 6/7/2021 | 11:10:39 | 0.02  |
| 234 | 6/7/2021 | 11:11:09 | 0.023 |
| 235 | 6/7/2021 | 11:11:39 | 0.022 |
| 236 | 6/7/2021 | 11:12:09 | 0.025 |
| 237 | 6/7/2021 | 11:12:39 | 0.025 |
| 238 | 6/7/2021 | 11:13:09 | 0.026 |
| 239 | 6/7/2021 | 11:13:39 | 0.024 |
| 240 | 6/7/2021 | 11:14:09 | 0.022 |
| 241 | 6/7/2021 | 11:14:39 | 0.022 |
| 242 | 6/7/2021 | 11:15:09 | 0.021 |



Downwind CAMP Station - Dust

|     |          |          |       |
|-----|----------|----------|-------|
| 243 | 6/7/2021 | 11:15:39 | 0.021 |
| 244 | 6/7/2021 | 11:16:09 | 0.02  |
| 245 | 6/7/2021 | 11:16:39 | 0.021 |
| 246 | 6/7/2021 | 11:17:09 | 0.021 |
| 247 | 6/7/2021 | 11:17:39 | 0.021 |
| 248 | 6/7/2021 | 11:18:09 | 0.021 |
| 249 | 6/7/2021 | 11:18:39 | 0.021 |
| 250 | 6/7/2021 | 11:19:09 | 0.02  |
| 251 | 6/7/2021 | 11:19:39 | 0.021 |
| 252 | 6/7/2021 | 11:20:09 | 0.021 |
| 253 | 6/7/2021 | 11:20:39 | 0.021 |
| 254 | 6/7/2021 | 11:21:09 | 0.021 |
| 255 | 6/7/2021 | 11:21:39 | 0.02  |
| 256 | 6/7/2021 | 11:22:09 | 0.021 |
| 257 | 6/7/2021 | 11:22:39 | 0.021 |
| 258 | 6/7/2021 | 11:23:09 | 0.02  |
| 259 | 6/7/2021 | 11:23:39 | 0.02  |
| 260 | 6/7/2021 | 11:24:09 | 0.02  |
| 261 | 6/7/2021 | 11:24:39 | 0.02  |
| 262 | 6/7/2021 | 11:25:09 | 0.02  |
| 263 | 6/7/2021 | 11:25:39 | 0.02  |
| 264 | 6/7/2021 | 11:26:09 | 0.021 |
| 265 | 6/7/2021 | 11:26:39 | 0.02  |

Downwind CAMP Station - Dust

|     |          |          |       |
|-----|----------|----------|-------|
| 266 | 6/7/2021 | 11:27:09 | 0.02  |
| 267 | 6/7/2021 | 11:27:39 | 0.02  |
| 268 | 6/7/2021 | 11:28:09 | 0.02  |
| 269 | 6/7/2021 | 11:28:39 | 0.019 |
| 270 | 6/7/2021 | 11:29:09 | 0.02  |
| 271 | 6/7/2021 | 11:29:39 | 0.019 |
| 272 | 6/7/2021 | 11:30:09 | 0.019 |
| 273 | 6/7/2021 | 11:30:39 | 0.02  |
| 274 | 6/7/2021 | 11:31:09 | 0.02  |
| 275 | 6/7/2021 | 11:31:39 | 0.019 |
| 276 | 6/7/2021 | 11:32:09 | 0.02  |
| 277 | 6/7/2021 | 11:32:39 | 0.019 |
| 278 | 6/7/2021 | 11:33:09 | 0.019 |
| 279 | 6/7/2021 | 11:33:39 | 0.02  |
| 280 | 6/7/2021 | 11:34:09 | 0.02  |
| 281 | 6/7/2021 | 11:34:39 | 0.02  |
| 282 | 6/7/2021 | 11:35:09 | 0.02  |
| 283 | 6/7/2021 | 11:35:39 | 0.02  |
| 284 | 6/7/2021 | 11:36:09 | 0.02  |
| 285 | 6/7/2021 | 11:36:39 | 0.02  |
| 286 | 6/7/2021 | 11:37:09 | 0.02  |
| 287 | 6/7/2021 | 11:37:39 | 0.02  |

Downwind CAMP Station - Dust

|     |          |          |       |
|-----|----------|----------|-------|
| 288 | 6/7/2021 | 11:38:09 | 0.02  |
| 289 | 6/7/2021 | 11:38:39 | 0.021 |
| 290 | 6/7/2021 | 11:39:09 | 0.027 |
| 291 | 6/7/2021 | 11:39:39 | 0.022 |
| 292 | 6/7/2021 | 11:40:09 | 0.022 |
| 293 | 6/7/2021 | 11:40:39 | 0.021 |
| 294 | 6/7/2021 | 11:41:09 | 0.021 |
| 295 | 6/7/2021 | 11:41:39 | 0.021 |
| 296 | 6/7/2021 | 11:42:09 | 0.02  |
| 297 | 6/7/2021 | 11:42:39 | 0.019 |
| 298 | 6/7/2021 | 11:43:09 | 0.02  |
| 299 | 6/7/2021 | 11:43:39 | 0.021 |
| 300 | 6/7/2021 | 11:44:09 | 0.02  |
| 301 | 6/7/2021 | 11:44:39 | 0.021 |
| 302 | 6/7/2021 | 11:45:09 | 0.021 |
| 303 | 6/7/2021 | 11:45:39 | 0.021 |
| 304 | 6/7/2021 | 11:46:09 | 0.02  |
| 305 | 6/7/2021 | 11:46:39 | 0.02  |
| 306 | 6/7/2021 | 11:47:09 | 0.019 |
| 307 | 6/7/2021 | 11:47:39 | 0.019 |
| 308 | 6/7/2021 | 11:48:09 | 0.02  |
| 309 | 6/7/2021 | 11:48:39 | 0.02  |
| 310 | 6/7/2021 | 11:49:09 | 0.02  |

Downwind CAMP Station - Dust

|     |          |          |       |
|-----|----------|----------|-------|
| 311 | 6/7/2021 | 11:49:39 | 0.022 |
| 312 | 6/7/2021 | 11:50:09 | 0.02  |
| 313 | 6/7/2021 | 11:50:39 | 0.02  |
| 314 | 6/7/2021 | 11:51:09 | 0.021 |
| 315 | 6/7/2021 | 11:51:39 | 0.021 |
| 316 | 6/7/2021 | 11:52:09 | 0.02  |
| 317 | 6/7/2021 | 11:52:39 | 0.02  |
| 318 | 6/7/2021 | 11:53:09 | 0.02  |
| 319 | 6/7/2021 | 11:53:39 | 0.019 |
| 320 | 6/7/2021 | 11:54:09 | 0.035 |
| 321 | 6/7/2021 | 11:54:39 | 0.032 |
| 322 | 6/7/2021 | 11:55:09 | 0.021 |
| 323 | 6/7/2021 | 11:55:39 | 0.026 |
| 324 | 6/7/2021 | 11:56:09 | 0.02  |
| 325 | 6/7/2021 | 11:56:39 | 0.02  |
| 326 | 6/7/2021 | 11:57:09 | 0.019 |
| 327 | 6/7/2021 | 11:57:39 | 0.025 |
| 328 | 6/7/2021 | 11:58:09 | 0.039 |
| 329 | 6/7/2021 | 11:58:39 | 0.031 |
| 330 | 6/7/2021 | 11:59:09 | 0.02  |
| 331 | 6/7/2021 | 11:59:39 | 0.019 |
| 332 | 6/7/2021 | 12:00:09 | 0.019 |

Downwind CAMP Station - Dust

|     |          |          |       |
|-----|----------|----------|-------|
| 333 | 6/7/2021 | 12:00:39 | 0.019 |
| 334 | 6/7/2021 | 12:01:09 | 0.019 |
| 335 | 6/7/2021 | 12:01:39 | 0.021 |
| 336 | 6/7/2021 | 12:02:09 | 0.021 |
| 337 | 6/7/2021 | 12:02:39 | 0.02  |
| 338 | 6/7/2021 | 12:03:09 | 0.02  |
| 339 | 6/7/2021 | 12:03:39 | 0.02  |
| 340 | 6/7/2021 | 12:04:09 | 0.02  |
| 341 | 6/7/2021 | 12:04:39 | 0.021 |
| 342 | 6/7/2021 | 12:05:09 | 0.021 |
| 343 | 6/7/2021 | 12:05:39 | 0.021 |
| 344 | 6/7/2021 | 12:06:09 | 0.021 |
| 345 | 6/7/2021 | 12:06:39 | 0.02  |
| 346 | 6/7/2021 | 12:07:09 | 0.021 |
| 347 | 6/7/2021 | 12:07:39 | 0.02  |
| 348 | 6/7/2021 | 12:08:09 | 0.021 |
| 349 | 6/7/2021 | 12:08:39 | 0.025 |
| 350 | 6/7/2021 | 12:09:09 | 0.024 |
| 351 | 6/7/2021 | 12:09:39 | 0.022 |
| 352 | 6/7/2021 | 12:10:09 | 0.024 |
| 353 | 6/7/2021 | 12:10:39 | 0.022 |
| 354 | 6/7/2021 | 12:11:09 | 0.025 |
| 355 | 6/7/2021 | 12:11:39 | 0.02  |

Downwind CAMP Station - Dust

|     |          |          |       |
|-----|----------|----------|-------|
| 356 | 6/7/2021 | 12:12:09 | 0.02  |
| 357 | 6/7/2021 | 12:12:39 | 0.024 |
| 358 | 6/7/2021 | 12:13:09 | 0.021 |
| 359 | 6/7/2021 | 12:13:39 | 0.022 |
| 360 | 6/7/2021 | 12:14:09 | 0.02  |
| 361 | 6/7/2021 | 12:14:39 | 0.022 |
| 362 | 6/7/2021 | 12:15:09 | 0.022 |
| 363 | 6/7/2021 | 12:15:39 | 0.03  |
| 364 | 6/7/2021 | 12:16:09 | 0.028 |
| 365 | 6/7/2021 | 12:16:39 | 0.022 |
| 366 | 6/7/2021 | 12:17:09 | 0.023 |
| 367 | 6/7/2021 | 12:17:39 | 0.025 |
| 368 | 6/7/2021 | 12:18:09 | 0.025 |
| 369 | 6/7/2021 | 12:18:39 | 0.02  |
| 370 | 6/7/2021 | 12:19:09 | 0.02  |
| 371 | 6/7/2021 | 12:19:39 | 0.02  |
| 372 | 6/7/2021 | 12:20:09 | 0.02  |
| 373 | 6/7/2021 | 12:20:39 | 0.02  |
| 374 | 6/7/2021 | 12:21:09 | 0.02  |
| 375 | 6/7/2021 | 12:21:39 | 0.02  |
| 376 | 6/7/2021 | 12:22:09 | 0.019 |
| 377 | 6/7/2021 | 12:22:39 | 0.02  |

Downwind CAMP Station - Dust

|     |          |          |       |
|-----|----------|----------|-------|
| 378 | 6/7/2021 | 12:23:09 | 0.02  |
| 379 | 6/7/2021 | 12:23:39 | 0.02  |
| 380 | 6/7/2021 | 12:24:09 | 0.021 |
| 381 | 6/7/2021 | 12:24:39 | 0.02  |
| 382 | 6/7/2021 | 12:25:09 | 0.02  |
| 383 | 6/7/2021 | 12:25:39 | 0.02  |
| 384 | 6/7/2021 | 12:26:09 | 0.019 |
| 385 | 6/7/2021 | 12:26:39 | 0.02  |
| 386 | 6/7/2021 | 12:27:09 | 0.02  |
| 387 | 6/7/2021 | 12:27:39 | 0.019 |
| 388 | 6/7/2021 | 12:28:09 | 0.02  |
| 389 | 6/7/2021 | 12:28:39 | 0.02  |
| 390 | 6/7/2021 | 12:29:09 | 0.02  |
| 391 | 6/7/2021 | 12:29:39 | 0.019 |
| 392 | 6/7/2021 | 12:30:09 | 0.02  |
| 393 | 6/7/2021 | 12:30:39 | 0.02  |
| 394 | 6/7/2021 | 12:31:09 | 0.019 |
| 395 | 6/7/2021 | 12:31:39 | 0.02  |
| 396 | 6/7/2021 | 12:32:09 | 0.02  |
| 397 | 6/7/2021 | 12:32:39 | 0.019 |
| 398 | 6/7/2021 | 12:33:09 | 0.019 |
| 399 | 6/7/2021 | 12:33:39 | 0.027 |
| 400 | 6/7/2021 | 12:34:09 | 0.023 |

Downwind CAMP Station - Dust

|     |          |          |       |
|-----|----------|----------|-------|
| 401 | 6/7/2021 | 12:34:39 | 0.021 |
| 402 | 6/7/2021 | 12:35:09 | 0.021 |
| 403 | 6/7/2021 | 12:35:39 | 0.021 |
| 404 | 6/7/2021 | 12:36:09 | 0.024 |
| 405 | 6/7/2021 | 12:36:39 | 0.021 |
| 406 | 6/7/2021 | 12:37:09 | 0.02  |
| 407 | 6/7/2021 | 12:37:39 | 0.022 |
| 408 | 6/7/2021 | 12:38:09 | 0.021 |
| 409 | 6/7/2021 | 12:38:39 | 0.023 |
| 410 | 6/7/2021 | 12:39:09 | 0.021 |
| 411 | 6/7/2021 | 12:39:39 | 0.023 |
| 412 | 6/7/2021 | 12:40:09 | 0.021 |
| 413 | 6/7/2021 | 12:40:39 | 0.019 |
| 414 | 6/7/2021 | 12:41:09 | 0.019 |
| 415 | 6/7/2021 | 12:41:39 | 0.02  |
| 416 | 6/7/2021 | 12:42:09 | 0.02  |
| 417 | 6/7/2021 | 12:42:39 | 0.02  |



Downwind CAMP Station - VOCs

| Instrument     |              | Data Properties  |                    |
|----------------|--------------|------------------|--------------------|
| Model          | MiniRAE 3000 | Start Date       | 6/7/2021           |
| Instrument S/N | 592-925067   | Start Time       | 9:21:00            |
|                |              | Stop Date        | 6/7/2021           |
|                |              | Stop Time        | 12:44:00           |
|                |              | Total Time       | 3:23:00            |
|                |              | Logging Interval | Manual ~15 minutes |

Test Data

| Data Point | Date     | Time     | TVOC PPM | Recorder | Notes                                                                         |
|------------|----------|----------|----------|----------|-------------------------------------------------------------------------------|
| 1          | 6/7/2021 | 9:21:00  | 0.0      | DLZ      |                                                                               |
| 2          | 6/7/2021 | 9:30:00  | 0.0      | DLZ      |                                                                               |
| 3          | 6/7/2021 | 9:50:00  | 0.0      | DLZ      | 9:45AM - begin TT-01                                                          |
| 4          | 6/7/2021 | 10:05:00 | 0.0      | SPC      | 10:05AM - backfill TT-01<br>10:08AM - begin TT-02                             |
| 5          | 6/7/2021 | 10:15:00 | 0.0      | DLZ      |                                                                               |
| 6          | 6/7/2021 | 10:29:00 | 0.0      | DLZ      |                                                                               |
| 7          | 6/7/2021 | 10:40:00 | 0.0      | SPC      | 10:35AM - backfill TT-02<br>10:45AM - begin TT-03<br>11:05AM - backfill TT-03 |
| 8          | 6/7/2021 | 11:07:00 | 0.0      | SPC      |                                                                               |
| 9          | 6/7/2021 | 11:20:00 | 0.0      | DLZ      |                                                                               |
| 10         | 6/7/2021 | 11:35:00 | 0.0      | DLZ      | 11:25AM - begin TT-04                                                         |
| 11         | 6/7/2021 | 11:50:00 | 0.0      | SPC      | 11:47AM - backfill TT-04                                                      |
| 12         | 6/7/2021 | 12:06:00 | 0.0      | DLZ      | 11:57AM - begin TT-05                                                         |
| 13         | 6/7/2021 | 12:10:00 | 0.0      | SPC      | 12:10PM - backfill TT-05<br>12:19PM - begin TT-06                             |
| 14         | 6/7/2021 | 12:34:00 | 0.0      | SPC      | 12:30PM - backfill TT-06                                                      |
| 16         | 6/7/2021 | 12:44:00 | 0.0      | DLZ      |                                                                               |

Intrusive work started at 9:45AM and ended at 12:50PM.

## Upwind CAMP Station - Dust

| Instrument     |             | Data Properties  |             |
|----------------|-------------|------------------|-------------|
| Model          | DustTrak II | Start Date       | 6/7/2021    |
| Instrument S/N | 8530152011  | Start Time       | 9:56:23     |
|                |             | Stop Date        | 6/7/2021    |
|                |             | Stop Time        | 12:56:23    |
|                |             | Total Time       | 0:03:00:00  |
|                |             | Logging Interval | 900 seconds |

## Test Data

| Data Point | Date     | Time     | AEROSOL mg/m <sup>3</sup> |
|------------|----------|----------|---------------------------|
| 1          | 6/7/2021 | 10:11:23 | 0.03                      |
| 2          | 6/7/2021 | 10:26:23 | 0.028                     |
| 3          | 6/7/2021 | 10:41:23 | 0.029                     |
| 4          | 6/7/2021 | 10:56:23 | 0.028                     |
| 5          | 6/7/2021 | 11:11:23 | 0.027                     |
| 6          | 6/7/2021 | 11:26:23 | 0.025                     |
| 7          | 6/7/2021 | 11:41:23 | 0.025                     |
| 8          | 6/7/2021 | 11:56:23 | 0.024                     |
| 9          | 6/7/2021 | 12:11:23 | 0.024                     |
| 10         | 6/7/2021 | 12:26:23 | 0.024                     |
| 11         | 6/7/2021 | 12:41:23 | 0.024                     |
| 12         | 6/7/2021 | 12:56:23 | 0.024                     |

## Upwind CAMP Station - VOCs

| Instrument     |              | Data Properties  |                    |
|----------------|--------------|------------------|--------------------|
| Model          | MiniRAE 3000 | Start Date       | 6/7/2021           |
| Instrument S/N | 592-927732   | Start Time       | 9:15:00            |
|                |              | Stop Date        | 6/7/2021           |
|                |              | Stop Time        | 12:50:00           |
|                |              | Total Time       | 3:35:00            |
|                |              | Logging Interval | Manual ~15 minutes |

## Test Data

| Data Point | Date     | Time     | TVOC PPM | Recorder | Notes                                             |
|------------|----------|----------|----------|----------|---------------------------------------------------|
| 1          | 6/7/2021 | 9:15:00  | 0.0      | DLZ      |                                                   |
| 2          | 6/7/2021 | 9:20:00  | 0.0      | DLZ      | 9:45AM - begin TT-01                              |
| 3          | 6/7/2021 | 9:40:00  | 0.0      | DLZ      |                                                   |
| 4          | 6/7/2021 | 10:00:00 | 0.0      | SPC      | 10:05AM - backfill TT-01<br>10:08AM - begin TT-02 |
| 5          | 6/7/2021 | 10:20:00 | 0.0      | DLZ      |                                                   |
| 6          | 6/7/2021 | 10:35:00 | 0.0      | SPC      | 10:35AM - backfill TT-02<br>10:45AM - begin TT-03 |
| 7          | 6/7/2021 | 10:50:00 | 0.0      | DLZ      |                                                   |
| 8          | 6/7/2021 | 11:12:00 | 0.0      | SPC      | 11:05AM - backfill TT-03                          |
| 9          | 6/7/2021 | 11:24:00 | 0.0      | DLZ      |                                                   |
| 10         | 6/7/2021 | 11:29:00 | 0.0      | DLZ      | 11:25AM - begin TT-04                             |
| 11         | 6/7/2021 | 11:53:00 | 0.0      | SPC      | 11:47AM - backfill TT-04                          |
| 12         | 6/7/2021 | 12:00:00 | 0.0      | DLZ      | 11:57AM - begin TT-05                             |
| 13         | 6/7/2021 | 12:16:00 | 0.0      | SPC      | 12:10PM - backfill TT-05<br>12:19PM - begin TT-06 |
| 14         | 6/7/2021 | 12:37:00 | 0.0      | SPC      | 12:30PM - backfill TT-06                          |
| 15         | 6/7/2021 | 12:50:00 | 0.0      | DLZ      |                                                   |

Intrusive work started at 9:45AM and ended at 12:50PM.

## **APPENDIX B**

### **SOIL LOGS**



## TEST TRENCH LOG

Test Trench No.: (TT-01)

|                             |                                |                           |
|-----------------------------|--------------------------------|---------------------------|
| PROJECT: Niagara Sanitation | CONTRACTOR: AECOM              | PAGE 1                    |
| PROJECT No.: 60628668       | LOCATION: Wheatfield, New York | DATE: 6/7/2021            |
| SURFACE ELEVATION: 580.98   |                                | AECOM REP.: Sean Connelly |

| Depth (ft)   | SAMPLE DESCRIPTION, REMARKS, AND STRATUM CHANGES                                                |
|--------------|-------------------------------------------------------------------------------------------------|
| 0.0 to 0.5'  | dark brown, moist, SILT with small roots and organics. PID = 0.0 PPM                            |
| 0.5' to 1.5' | dark brown, SILTY CLAY with trace sand, moist. PID = 0.0 PPM                                    |
| 1.5' to 5.5' | brown, SILT and SAND with grey clay lenses, moist. Debris (refuse) at 4.0'. PID = 0.0 PPM       |
| 4.0'         | Debris (refuse) at 4.0'. PID = 0.0 PPM                                                          |
| 5.0'         | black, decaying ORGANIC material at 5.0'. PID = 0.0 PPM                                         |
| 5.5' to 7.0' | grey, CLAY, moist. Water at 5.5'. PID = 1.4 PPM<br>Sample collected from 5.5' to 7.0' interval. |
| 7.0'         |                                                                                                 |
| 7.5'         |                                                                                                 |
| 8'           |                                                                                                 |
| 8.5'         |                                                                                                 |
| 9'           |                                                                                                 |
| 9.5'         |                                                                                                 |
| 10'          |                                                                                                 |

Depth of test trench at 7.0'.

Width of test trench at 1.5'

Length of test trench at 7.0'

PID = 0.0 PPM at exclusion zone.

Samples collected from the 5.5' to 7.0' interval and analyzed for TCL VOCs, TCL SVOCs (including benzoic acid), organochlorine pesticides, TCL PCBs, and TAL metals (including Mercury).



## TEST TRENCH LOG

Test Trench No.: (TT-02)

|                             |                                |                           |
|-----------------------------|--------------------------------|---------------------------|
| PROJECT: Niagara Sanitation | CONTRACTOR: AECOM              | PAGE 1                    |
| PROJECT No.: 60628668       | LOCATION: Wheatfield, New York | DATE: 6/7/2021            |
| SURFACE ELEVATION: 579.53   |                                | AECOM REP.: Sean Connelly |

| Depth (ft)    | SAMPLE DESCRIPTION, REMARKS, AND STRATUM CHANGES                 |
|---------------|------------------------------------------------------------------|
| 0.0 to 1.0'   | dark brown SILT and CLAY, moist. PPM = 0.0 PPM                   |
| 1.0' to 6.0'  | brown, SILT and SAND with grey clay lenses, moist. PPM = 0.0 PPM |
| 2.0'          | Debris (refuse), stained black, at 2.0'.                         |
| 3.5' to 4.0'  | Sample collected at 3.5' to 4.0' interval. PID = 25.3 PPM        |
| 4.0'          | Water at 4.0'.                                                   |
| 5.5'          | Debris (refuse) ends at 5.5'                                     |
| 6.0' to 10.0' |                                                                  |

Depth of test trench at 6.0'.

Width of test trench at 1.5'

Length of test trench at 7.0'

PID = 0.0 PPM at exclusion zone.

Samples collected from the 3.5' to 4.0' interval and analyzed for TCL VOCs, TCL SVOCs (including benzoic acid), organochlorine pesticides, TCL PCBs, and TAL metals (including Mercury).



## TEST TRENCH LOG

Test Trench No.: (TT-03)

|                             |                                |                           |
|-----------------------------|--------------------------------|---------------------------|
| PROJECT: Niagara Sanitation | CONTRACTOR: AECOM              | PAGE 1                    |
| PROJECT No.: 60628668       | LOCATION: Wheatfield, New York | DATE: 6/7/2021            |
| SURFACE ELEVATION: 579.28   |                                | AECOM REP.: Sean Connelly |

| Depth (ft)   | SAMPLE DESCRIPTION, REMARKS, AND STRATUM CHANGES                              |
|--------------|-------------------------------------------------------------------------------|
| 0.0 to 0.5'  | dark brown, CLAY and SILT, moist. PID = 0.0 PPM                               |
| 0.5' to 5.5' | brown to dark brown, SILT and SAND with trace grey clay, moist. PID = 0.0 PPM |
| 1.5'         | Debris (refuse) at 1.5'.                                                      |
| 4.0'         | black staining with petroleum odor at 4.0'. Water at 4.0'. PID = 0.7 PPM      |
| 5.5'         | Debris (refuse) ends at 5.5'. Sample collected at 2.5' to 5.5' interval.      |

Depth of test trench at 5.5'.

Width of test trench at 1.5'

Length of test trench at 4.0'

PID = 0.0 PPM at exclusion zone.

Samples collected from the 2.5' to 5.5' interval and analyzed for TCL VOCs, TCL SVOCs (including benzoic acid), organochlorine pesticides, TCL PCBs, and TAL metals (including Mercury).



## TEST TRENCH LOG

Test Trench No.: (TT-04)

|                             |                                |                           |
|-----------------------------|--------------------------------|---------------------------|
| PROJECT: Niagara Sanitation | CONTRACTOR: AECOM              | PAGE 1                    |
| PROJECT No.: 60628668       | LOCATION: Wheatfield, New York | DATE: 6/7/2021            |
| SURFACE ELEVATION: 580.00   |                                | AECOM REP.: Sean Connelly |

| Depth (ft)  | SAMPLE DESCRIPTION, REMARKS, AND STRATUM CHANGES                         |
|-------------|--------------------------------------------------------------------------|
| 0.0 to 0.5' | dark brown, SILT and CLAY, moist. PID = 0.0 PPM                          |
| 0.5'        | 0.5' to 5.5' - brown to light brown, SILT and SAND, moist. PID = 0.0 PPM |
| 1           |                                                                          |
| 1.5         |                                                                          |
| 2           | Debris (refuse) begins at 2.0'.                                          |
| 2.5         |                                                                          |
| 3           |                                                                          |
| 3.5         |                                                                          |
| 4           | Water at 4.0'. PID = 2.0 PPM                                             |
| 4.5         | Sample collected at 4.0' to 4.5' interval.                               |
| 5           |                                                                          |
| 5.5         |                                                                          |
| 6           |                                                                          |
| 6.5         |                                                                          |
| 7           |                                                                          |
| 7.5         |                                                                          |
| 8           |                                                                          |
| 8.5         |                                                                          |
| 9           |                                                                          |
| 9.5         |                                                                          |
| 10          |                                                                          |

Depth of test trench at 5.5'.

Width of test trench at 2.0'

Length of test trench at 5.5'

PID = 0.0 PPM at exclusion zone.

Samples collected from the 4.0' to 4.5' interval and analyzed for TCL VOCs, TCL SVOCs (including benzoic acid), organochlorine pesticides, TCL PCBs, and TAL metals (including Mercury).





## TEST TRENCH LOG

Test Trench No.: (TT-05)

|                             |                                |                           |
|-----------------------------|--------------------------------|---------------------------|
| PROJECT: Niagara Sanitation | CONTRACTOR: AECOM              | PAGE 1                    |
| PROJECT No.: 60628668       | LOCATION: Wheatfield, New York | DATE: 6/7/2021            |
| SURFACE ELEVATION: 579.25   |                                | AECOM REP.: Sean Connelly |

| Depth (ft)   | SAMPLE DESCRIPTION, REMARKS, AND STRATUM CHANGES        |
|--------------|---------------------------------------------------------|
| 0.0 to 0.8'  | dark brown to black, CLAY and SILT, moist. PID= 0.0 PPM |
| 0.8' to 5.0' | brown, SILT and SAND, little clay, moist. PID = 0.0 PPM |
| 2.5'         | Debris (refuse) begins at 2.5'.                         |
| 4.0'         | Wood at 4.0'. PID = 4.9 PPM                             |
| 4.5'         | Water at 4.5'. Petroleum odor, no sheen. PID = 2.0 PPM  |
| 4.5' to 5.0' | Sample collected at 4.5' to 5.0' interval.              |

Depth of test trench at 5.0'.

Width of test trench at 2.0'

Length of test trench at 5.0'

PID = 0.0 PPM at exclusion zone.

Samples collected from the 4.5' to 5.0' interval and analyzed for TCL VOCs, TCL SVOCs (including benzoic acid), organochlorine pesticides, TCL PCBs, and TAL metals (including Mercury).



## TEST TRENCH LOG

Test Trench No.: (TT-06)

|                             |                                |                           |
|-----------------------------|--------------------------------|---------------------------|
| PROJECT: Niagara Sanitation | CONTRACTOR: AECOM              | PAGE 1                    |
| PROJECT No.: 60628668       | LOCATION: Wheatfield, New York | DATE: 6/7/2021            |
| SURFACE ELEVATION: 578.96   |                                | AECOM REP.: Sean Connelly |

| Depth (ft)  | SAMPLE DESCRIPTION, REMARKS, AND STRATUM CHANGES                       |
|-------------|------------------------------------------------------------------------|
| 0.0 to 0.5' | dark brown, SILT and CLAY, moist. PID = 0.0 PPM                        |
| 0.5'        | 0.5' to 5.0' - brown, SILT and SAND, little clay, moist. PID = 0.0 PPM |
| 1           |                                                                        |
| 1.5         |                                                                        |
| 2           |                                                                        |
| 2.5         |                                                                        |
| 3           | Debris (refuse) begins at 3.0'.                                        |
| 3.5         |                                                                        |
| 4           | Black staining starts at 4.0'.                                         |
| 4.5         | Water at 4.5'. PID = 0.7 PPM                                           |
| 5           | Sample collected at 4.5' to 5.0' interval.                             |
| 5.5         |                                                                        |
| 6           |                                                                        |
| 6.5         |                                                                        |
| 7           |                                                                        |
| 7.5         |                                                                        |
| 8           |                                                                        |
| 8.5         |                                                                        |
| 9           |                                                                        |
| 9.5         |                                                                        |
| 10          |                                                                        |

Depth of test trench at 5.0'.

Width of test trench at 1.9'

Length of test trench at 5.0'

PID = 0.0 PPM at exclusion zone.

Samples collected from the 4.5' to 5.0' interval and analyzed for TCL VOCs, TCL SVOCs (including benzoic acid), organochlorine pesticides, TCL PCBs, and TAL metals (including Mercury).



## SURFACE SOIL BORING LOG

Boring No.: (SS-01)

|                             |                                |                 |
|-----------------------------|--------------------------------|-----------------|
| PROJECT: Niagara Sanitation | CONTRACTOR: AECOM              | PAGE 1          |
| PROJECT No.: 60628668       | LOCATION: Wheatfield, New York | DATE: 6/21/2021 |
| SURFACE ELEVATION: 579.62   |                                | AECOM REP.: DLZ |

| Depth<br>(in)                                                                                                                                                                | SAMPLE DESCRIPTION, REMARKS, AND STRATUM CHANGES                                                                                                                |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 0.5                                                                                                                                                                          | light brown SILT, little fine sand, trace fine gravel, trace rootlets (dry)<br>PID = 7.7 PPM (background PID = 7.4 - 8.2 PPM due to rain/humidity)              |
| 1                                                                                                                                                                            |                                                                                                                                                                 |
| 1.5                                                                                                                                                                          |                                                                                                                                                                 |
| 2                                                                                                                                                                            | light brown SILT, little fine sand, trace fine gravel, trace rootlets, trace glass (dry)<br>PID = 7.1 PPM (background PID = 7.4 - 8.2 PPM due to rain/humidity) |
| 2.5                                                                                                                                                                          |                                                                                                                                                                 |
| 3                                                                                                                                                                            |                                                                                                                                                                 |
| 3.5                                                                                                                                                                          |                                                                                                                                                                 |
| 4                                                                                                                                                                            |                                                                                                                                                                 |
| 4.5                                                                                                                                                                          |                                                                                                                                                                 |
| 5                                                                                                                                                                            |                                                                                                                                                                 |
| 5.5                                                                                                                                                                          |                                                                                                                                                                 |
| 6                                                                                                                                                                            |                                                                                                                                                                 |
| 6.5                                                                                                                                                                          |                                                                                                                                                                 |
| 7                                                                                                                                                                            |                                                                                                                                                                 |
| 7.5                                                                                                                                                                          |                                                                                                                                                                 |
| 8                                                                                                                                                                            |                                                                                                                                                                 |
| 8.5                                                                                                                                                                          |                                                                                                                                                                 |
| 9                                                                                                                                                                            |                                                                                                                                                                 |
| 9.5                                                                                                                                                                          |                                                                                                                                                                 |
| 10                                                                                                                                                                           |                                                                                                                                                                 |
| 10.5                                                                                                                                                                         |                                                                                                                                                                 |
| 11                                                                                                                                                                           |                                                                                                                                                                 |
| 11.5                                                                                                                                                                         |                                                                                                                                                                 |
| 12                                                                                                                                                                           |                                                                                                                                                                 |
| Comments:<br>Samples collected from 0-2" and 2-12" intervals for TCL SVOC (including benzoic acid), organochlorine pesticides, TCL PCBs, and TAL metals (including Mercury). |                                                                                                                                                                 |

**SURFACE SOIL BORING LOG****Boring No.: (SS-02)**

|                             |                                |                 |
|-----------------------------|--------------------------------|-----------------|
| PROJECT: Niagara Sanitation | CONTRACTOR: AECOM              | PAGE 1          |
| PROJECT No.: 60628668       | LOCATION: Wheatfield, New York | DATE: 6/21/2021 |
| SURFACE ELEVATION: 577.46   |                                | AECOM REP.: DLZ |

| Depth<br>(in)                                                                                                                                                                | SAMPLE DESCRIPTION, REMARKS, AND STRATUM CHANGES                                                                                                     |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|
| 0.5                                                                                                                                                                          | light brown SILT, little fine sand, trace rootlets (moist)<br>PID = Not available, meter off-scale due to rain/humidity                              |
| 1                                                                                                                                                                            |                                                                                                                                                      |
| 1.5                                                                                                                                                                          |                                                                                                                                                      |
| 2                                                                                                                                                                            | medium to light brown SILT, little fine sand, trace fine gravel, trace rootlets (moist)<br>PID = Not available, meter off-scale due to rain/humidity |
| 2.5                                                                                                                                                                          |                                                                                                                                                      |
| 3                                                                                                                                                                            |                                                                                                                                                      |
| 3.5                                                                                                                                                                          |                                                                                                                                                      |
| 4                                                                                                                                                                            |                                                                                                                                                      |
| 4.5                                                                                                                                                                          |                                                                                                                                                      |
| 5                                                                                                                                                                            |                                                                                                                                                      |
| 5.5                                                                                                                                                                          |                                                                                                                                                      |
| 6                                                                                                                                                                            |                                                                                                                                                      |
| 6.5                                                                                                                                                                          |                                                                                                                                                      |
| 7                                                                                                                                                                            |                                                                                                                                                      |
| 7.5                                                                                                                                                                          |                                                                                                                                                      |
| 8                                                                                                                                                                            |                                                                                                                                                      |
| 8.5                                                                                                                                                                          |                                                                                                                                                      |
| 9                                                                                                                                                                            |                                                                                                                                                      |
| 9.5                                                                                                                                                                          |                                                                                                                                                      |
| 10                                                                                                                                                                           |                                                                                                                                                      |
| 10.5                                                                                                                                                                         |                                                                                                                                                      |
| 11                                                                                                                                                                           |                                                                                                                                                      |
| 11.5                                                                                                                                                                         |                                                                                                                                                      |
| 12                                                                                                                                                                           |                                                                                                                                                      |
| Comments:<br>Samples collected from 0-2" and 2-12" intervals for TCL SVOC (including benzoic acid), organochlorine pesticides, TCL PCBs, and TAL metals (including Mercury). |                                                                                                                                                      |



## SURFACE SOIL BORING LOG

Boring No.: (SS-03)

|                             |                                |                 |
|-----------------------------|--------------------------------|-----------------|
| PROJECT: Niagara Sanitation | CONTRACTOR: AECOM              | PAGE 1          |
| PROJECT No.: 60628668       | LOCATION: Wheatfield, New York | DATE: 6/21/2021 |
| SURFACE ELEVATION: 576.95   |                                | AECOM REP.: DLZ |

| Depth<br>(in) | SAMPLE DESCRIPTION, REMARKS, AND STRATUM CHANGES                                                                                  |
|---------------|-----------------------------------------------------------------------------------------------------------------------------------|
| 0.5           | medium brown SILT and FINE SAND, trace rootlets (moist)<br>PID = Not available, meter off-scale due to rain/humidity              |
| 1             |                                                                                                                                   |
| 1.5           |                                                                                                                                   |
| 2             | medium brown SILT and FINE SAND, trace rootlets (moist)<br>PID = Not available, meter off-scale due to rain/humidity              |
| 2.5           |                                                                                                                                   |
| 3             |                                                                                                                                   |
| 3.5           |                                                                                                                                   |
| 4             | light brown to tan SILT, little fine sand, trace rootlets, trace fin<br>PID = Not available, meter off-scale due to rain/humidity |
| 4.5           |                                                                                                                                   |
| 5             |                                                                                                                                   |
| 5.5           |                                                                                                                                   |
| 6             |                                                                                                                                   |
| 6.5           |                                                                                                                                   |
| 7             |                                                                                                                                   |
| 7.5           |                                                                                                                                   |
| 8             |                                                                                                                                   |
| 8.5           |                                                                                                                                   |
| 9             |                                                                                                                                   |
| 9.5           |                                                                                                                                   |
| 10            |                                                                                                                                   |
| 10.5          |                                                                                                                                   |
| 11            |                                                                                                                                   |
| 11.5          |                                                                                                                                   |
| 12            |                                                                                                                                   |

Comments:

Samples collected from 0-2" and 2-12" intervals for TCL SVOC (including benzoic acid), organochlorine pesticides, TCL PCBs, and TAL metals (including Mercury).

**SURFACE SOIL BORING LOG****Boring No.: (SS-04)**

|                             |                                |                 |
|-----------------------------|--------------------------------|-----------------|
| PROJECT: Niagara Sanitation | CONTRACTOR: AECOM              | PAGE 1          |
| PROJECT No.: 60628668       | LOCATION: Wheatfield, New York | DATE: 6/22/2021 |
| SURFACE ELEVATION: 577.36   |                                | AECOM REP.: DLZ |

| Depth<br>(in) | SAMPLE DESCRIPTION, REMARKS, AND STRATUM CHANGES                                                    |
|---------------|-----------------------------------------------------------------------------------------------------|
| 0.5           | medium brown SILT, little fine sand, little rootlets (moist)<br>PID = 0.0 PPM                       |
| 1             |                                                                                                     |
| 1.5           |                                                                                                     |
| 2             | light brown to tan SILT, little very fine sand, trace clay, trace rootlets (moist)<br>PID = 0.0 PPM |
| 2.5           |                                                                                                     |
| 3             |                                                                                                     |
| 3.5           |                                                                                                     |
| 4             |                                                                                                     |
| 4.5           |                                                                                                     |
| 5             |                                                                                                     |
| 5.5           |                                                                                                     |
| 6             |                                                                                                     |
| 6.5           |                                                                                                     |
| 7             |                                                                                                     |
| 7.5           |                                                                                                     |
| 8             |                                                                                                     |
| 8.5           |                                                                                                     |
| 9             |                                                                                                     |
| 9.5           |                                                                                                     |
| 10            |                                                                                                     |
| 10.5          |                                                                                                     |
| 11            |                                                                                                     |
| 11.5          |                                                                                                     |
| 12            |                                                                                                     |

**Comments:**

Samples collected from 0-2" and 2-12" intervals for TCL SVOC (including benzoic acid), organochlorine pesticides, TCL PCBs, and TAL metals (including Mercury).

**SURFACE SOIL BORING LOG****Boring No.: (SS-05)**

|                             |                                |                 |
|-----------------------------|--------------------------------|-----------------|
| PROJECT: Niagara Sanitation | CONTRACTOR: AECOM              | PAGE 1          |
| PROJECT No.: 60628668       | LOCATION: Wheatfield, New York | DATE: 6/22/2021 |
| SURFACE ELEVATION: 575.76   |                                | AECOM REP.: DLZ |

| Depth<br>(in) | SAMPLE DESCRIPTION, REMARKS, AND STRATUM CHANGES                                                  |
|---------------|---------------------------------------------------------------------------------------------------|
| 0.5           | medium brown SILT, little fine sand, little rootlets (moist)<br>PID = 0.0 PPM                     |
| 1             |                                                                                                   |
| 1.5           |                                                                                                   |
| 2             | medium brown SILT, little fine sand, little rootlets (moist)<br>PID = 0.0 PPM                     |
| 2.5           |                                                                                                   |
| 3             | light brown to tan SILT, some very fine sand, trace clay, trace rootlets (moist)<br>PID = 0.0 PPM |
| 3.5           |                                                                                                   |
| 4             |                                                                                                   |
| 4.5           |                                                                                                   |
| 5             |                                                                                                   |
| 5.5           |                                                                                                   |
| 6             |                                                                                                   |
| 6.5           |                                                                                                   |
| 7             |                                                                                                   |
| 7.5           |                                                                                                   |
| 8             |                                                                                                   |
| 8.5           |                                                                                                   |
| 9             |                                                                                                   |
| 9.5           |                                                                                                   |
| 10            |                                                                                                   |
| 10.5          |                                                                                                   |
| 11            |                                                                                                   |
| 11.5          |                                                                                                   |
| 12            |                                                                                                   |

**Comments:**

Sample location moved approximately 30 feet north due to pond.  
Samples collected from 0-2" and 2-12" intervals for TCL SVOC (including benzoic acid), organochlorine pesticides, TCL PCBs, and TAL metals (including Mercury).

**SURFACE SOIL BORING LOG****Boring No.: (SS-06)**

|                             |                                |                 |
|-----------------------------|--------------------------------|-----------------|
| PROJECT: Niagara Sanitation | CONTRACTOR: AECOM              | PAGE 1          |
| PROJECT No.: 60628668       | LOCATION: Wheatfield, New York | DATE: 6/22/2021 |
| SURFACE ELEVATION: 576.81   |                                | AECOM REP.: DLZ |

| Depth<br>(in) | SAMPLE DESCRIPTION, REMARKS, AND STRATUM CHANGES                                             |
|---------------|----------------------------------------------------------------------------------------------|
| 0.5           | medium brown SILT, little fine sand, trace clay, trace rootlets (moist-wet)<br>PID = 0.0 PPM |
| 1             |                                                                                              |
| 1.5           |                                                                                              |
| 2             | medium brown SILT, little fine sand, trace clay, trace rootlets (moist-wet)<br>PID = 0.0 PPM |
| 2.5           |                                                                                              |
| 3             |                                                                                              |
| 3.5           |                                                                                              |
| 4             |                                                                                              |
| 4.5           |                                                                                              |
| 5             |                                                                                              |
| 5.5           | light brown to tan SILT, little fine sand, trace clay (moist-wet)                            |
| 6             | PID = 0 PPM                                                                                  |
| 6.5           |                                                                                              |
| 7             |                                                                                              |
| 7.5           |                                                                                              |
| 8             |                                                                                              |
| 8.5           |                                                                                              |
| 9             |                                                                                              |
| 9.5           |                                                                                              |
| 10            |                                                                                              |
| 10.5          |                                                                                              |
| 11            |                                                                                              |
| 11.5          |                                                                                              |
| 12            |                                                                                              |

**Comments:**

Sample location moved approximately 40 feet east due to pond.  
Samples collected from 0-2" and 2-12" intervals for TCL SVOC (including benzoic acid), organochlorine pesticides, TCL PCBs, and TAL metals (including Mercury).





## SURFACE SOIL BORING LOG

Boring No.: (SS-07)

|                             |                                |                 |
|-----------------------------|--------------------------------|-----------------|
| PROJECT: Niagara Sanitation | CONTRACTOR: AECOM              | PAGE 1          |
| PROJECT No.: 60628668       | LOCATION: Wheatfield, New York | DATE: 6/22/2021 |
| SURFACE ELEVATION: 577.03   |                                | AECOM REP.: DLZ |

| Depth (in) | SAMPLE DESCRIPTION, REMARKS, AND STRATUM CHANGES                                  |
|------------|-----------------------------------------------------------------------------------|
| 0.5        | medium brown SILT, little fine sand, little rootlets (dry-moist)<br>PID = 0.0 PPM |
| 1          |                                                                                   |
| 1.5        |                                                                                   |
| 2          | medium brown SILT, little fine sand, little rootlets (dry-moist)<br>PID = 0.0 PPM |
| 2.5        |                                                                                   |
| 3          |                                                                                   |
| 3.5        |                                                                                   |
| 4          |                                                                                   |
| 4.5        |                                                                                   |
| 5          |                                                                                   |
| 5.5        |                                                                                   |
| 6          | glass and metal observed at 6"                                                    |
| 6.5        |                                                                                   |
| 7          |                                                                                   |
| 7.5        |                                                                                   |
| 8          |                                                                                   |
| 8.5        |                                                                                   |
| 9          |                                                                                   |
| 9.5        |                                                                                   |
| 10         |                                                                                   |
| 10.5       |                                                                                   |
| 11         |                                                                                   |
| 11.5       |                                                                                   |
| 12         |                                                                                   |

Comments:

Samples collected from 0-2" and 2-12" intervals for TCL SVOC (including benzoic acid), organochlorine pesticides, TCL PCBs, and TAL metals (including Mercury).

**SURFACE SOIL BORING LOG****Boring No.: (SS-08)**

|                             |                                |                 |
|-----------------------------|--------------------------------|-----------------|
| PROJECT: Niagara Sanitation | CONTRACTOR: AECOM              | PAGE 1          |
| PROJECT No.: 60628668       | LOCATION: Wheatfield, New York | DATE: 6/22/2021 |
| SURFACE ELEVATION: 577.16   |                                | AECOM REP.: DLZ |

| Depth<br>(in)                                                                                                                                                                                                                                          | SAMPLE DESCRIPTION, REMARKS, AND STRATUM CHANGES                                      |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| 0.5                                                                                                                                                                                                                                                    | medium brown SILT, little fine sand, trace clay (moist)<br>PID = 0.0 PPM              |
| 1                                                                                                                                                                                                                                                      |                                                                                       |
| 1.5                                                                                                                                                                                                                                                    |                                                                                       |
| 2                                                                                                                                                                                                                                                      | medium brown SILT, little fine sand, trace clay, trace glass (moist)<br>PID = 0.0 PPM |
| 2.5                                                                                                                                                                                                                                                    |                                                                                       |
| 3                                                                                                                                                                                                                                                      |                                                                                       |
| 3.5                                                                                                                                                                                                                                                    |                                                                                       |
| 4                                                                                                                                                                                                                                                      |                                                                                       |
| 4.5                                                                                                                                                                                                                                                    |                                                                                       |
| 5                                                                                                                                                                                                                                                      |                                                                                       |
| 5.5                                                                                                                                                                                                                                                    |                                                                                       |
| 6                                                                                                                                                                                                                                                      |                                                                                       |
| 6.5                                                                                                                                                                                                                                                    |                                                                                       |
| 7                                                                                                                                                                                                                                                      |                                                                                       |
| 7.5                                                                                                                                                                                                                                                    |                                                                                       |
| 8                                                                                                                                                                                                                                                      |                                                                                       |
| 8.5                                                                                                                                                                                                                                                    |                                                                                       |
| 9                                                                                                                                                                                                                                                      |                                                                                       |
| 9.5                                                                                                                                                                                                                                                    |                                                                                       |
| 10                                                                                                                                                                                                                                                     |                                                                                       |
| 10.5                                                                                                                                                                                                                                                   |                                                                                       |
| 11                                                                                                                                                                                                                                                     |                                                                                       |
| 11.5                                                                                                                                                                                                                                                   |                                                                                       |
| 12                                                                                                                                                                                                                                                     |                                                                                       |
| <b>Comments:</b><br>Samples collected from 0-2" and 2-12" intervals for TCL SVOC (including benzoic acid), organochlorine pesticides, TCL PCBs, and TAL metals (including Mercury).<br>Duplicate sample (SS-58) was collected from the 2-12" interval. |                                                                                       |



## SURFACE SOIL BORING LOG

Boring No.: (SS-09)

|                             |                                |                 |
|-----------------------------|--------------------------------|-----------------|
| PROJECT: Niagara Sanitation | CONTRACTOR: AECOM              | PAGE 1          |
| PROJECT No.: 60628668       | LOCATION: Wheatfield, New York | DATE: 6/21/2021 |
| SURFACE ELEVATION: 579.43   |                                | AECOM REP.: DLZ |

| Depth<br>(in)                                                                                                                                                                                                               | SAMPLE DESCRIPTION, REMARKS, AND STRATUM CHANGES                                                                                                           |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 0.5                                                                                                                                                                                                                         | light brown SILT, trace fine sand, trace clay, trace rootlets (moist)<br>PID = 5.5 PPM (background PID = 4.0 PPM due to rain/humidity)                     |
| 1                                                                                                                                                                                                                           |                                                                                                                                                            |
| 1.5                                                                                                                                                                                                                         |                                                                                                                                                            |
| 2                                                                                                                                                                                                                           | light brown SILT, little clay, trace fine sand, trace fine gravel, trace rootlets (moist)<br>PID = 4.1 PPM (background PID = 4.0 PPM due to rain/humidity) |
| 2.5                                                                                                                                                                                                                         |                                                                                                                                                            |
| 3                                                                                                                                                                                                                           |                                                                                                                                                            |
| 3.5                                                                                                                                                                                                                         |                                                                                                                                                            |
| 4                                                                                                                                                                                                                           |                                                                                                                                                            |
| 4.5                                                                                                                                                                                                                         |                                                                                                                                                            |
| 5                                                                                                                                                                                                                           |                                                                                                                                                            |
| 5.5                                                                                                                                                                                                                         |                                                                                                                                                            |
| 6                                                                                                                                                                                                                           |                                                                                                                                                            |
| 6.5                                                                                                                                                                                                                         |                                                                                                                                                            |
| 7                                                                                                                                                                                                                           |                                                                                                                                                            |
| 7.5                                                                                                                                                                                                                         |                                                                                                                                                            |
| 8                                                                                                                                                                                                                           |                                                                                                                                                            |
| 8.5                                                                                                                                                                                                                         |                                                                                                                                                            |
| 9                                                                                                                                                                                                                           |                                                                                                                                                            |
| 9.5                                                                                                                                                                                                                         |                                                                                                                                                            |
| 10                                                                                                                                                                                                                          |                                                                                                                                                            |
| 10.5                                                                                                                                                                                                                        |                                                                                                                                                            |
| 11                                                                                                                                                                                                                          |                                                                                                                                                            |
| 11.5                                                                                                                                                                                                                        |                                                                                                                                                            |
| 12                                                                                                                                                                                                                          |                                                                                                                                                            |
| <p>Comments:</p> <p>Samples collected from 0-2" and 2-12" intervals for TCL SVOC (including benzoic acid), organochlorine pesticides, TCL PCBs, and TAL metals (including Mercury).</p> <p>Soil boring located on path.</p> |                                                                                                                                                            |

**SURFACE SOIL BORING LOG****Boring No.: (SS-10)**

|                             |                                |                 |
|-----------------------------|--------------------------------|-----------------|
| PROJECT: Niagara Sanitation | CONTRACTOR: AECOM              | PAGE 1          |
| PROJECT No.: 60628668       | LOCATION: Wheatfield, New York | DATE: 6/21/2021 |
| SURFACE ELEVATION: 576.63   |                                | AECOM REP.: DLZ |

| Depth<br>(in)                                                                                                                                                                | SAMPLE DESCRIPTION, REMARKS, AND STRATUM CHANGES                                                                             |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|
| 0.5                                                                                                                                                                          | medium brown SILT, little fine sand, trace rootlets (moist)<br>PID = 1.5 PPM (background PID = 2.0 PPM due to rain/humidity) |
| 1                                                                                                                                                                            |                                                                                                                              |
| 1.5                                                                                                                                                                          |                                                                                                                              |
| 2                                                                                                                                                                            | medium brown SILT, little fine sand, trace rootlets (moist)<br>PID = 1.5 PPM (background PID = 2.0 PPM due to rain/humidity) |
| 2.5                                                                                                                                                                          | light brown SILT and FINE SAND, trace rootlets (moist)<br>PID = 1.5 PPM (background PID = 2.0 PPM due to rain/humidity)      |
| 3                                                                                                                                                                            |                                                                                                                              |
| 3.5                                                                                                                                                                          |                                                                                                                              |
| 4                                                                                                                                                                            |                                                                                                                              |
| 4.5                                                                                                                                                                          |                                                                                                                              |
| 5                                                                                                                                                                            |                                                                                                                              |
| 5.5                                                                                                                                                                          |                                                                                                                              |
| 6                                                                                                                                                                            |                                                                                                                              |
| 6.5                                                                                                                                                                          |                                                                                                                              |
| 7                                                                                                                                                                            |                                                                                                                              |
| 7.5                                                                                                                                                                          |                                                                                                                              |
| 8                                                                                                                                                                            |                                                                                                                              |
| 8.5                                                                                                                                                                          |                                                                                                                              |
| 9                                                                                                                                                                            |                                                                                                                              |
| 9.5                                                                                                                                                                          |                                                                                                                              |
| 10                                                                                                                                                                           |                                                                                                                              |
| 10.5                                                                                                                                                                         |                                                                                                                              |
| 11                                                                                                                                                                           |                                                                                                                              |
| 11.5                                                                                                                                                                         |                                                                                                                              |
| 12                                                                                                                                                                           |                                                                                                                              |
| Comments:<br>Samples collected from 0-2" and 2-12" intervals for TCL SVOC (including benzoic acid), organochlorine pesticides, TCL PCBs, and TAL metals (including Mercury). |                                                                                                                              |

**SURFACE SOIL BORING LOG****Boring No.: (SS-11)**

PROJECT: Niagara Sanitation

CONTRACTOR: AECOM

PAGE 1

PROJECT No.: 60628668

LOCATION: Wheatfield, New York

DATE: 6/21/2021

SURFACE ELEVATION: 591-68

AECOM REP.: DLZ

| Depth<br>(in)                                                                                                                                                                                                                     | SAMPLE DESCRIPTION, REMARKS, AND STRATUM CHANGES                                                                                                                          |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 0.5                                                                                                                                                                                                                               | medium brown SILT and FINE SAND, trace plastic and glass, trace rootlets (moist)<br>PID = 10.2 PPM (background PID = 10.2 PPM due to rain/humidity)                       |
| 1                                                                                                                                                                                                                                 |                                                                                                                                                                           |
| 1.5                                                                                                                                                                                                                               |                                                                                                                                                                           |
| 2                                                                                                                                                                                                                                 | medium brown SILT and FINE SAND, trace plastic and glass, trace rootlets (moist)<br>PID = 10.2 PPM (background PID = 10.2 PPM due to rain/humidity)                       |
| 2.5                                                                                                                                                                                                                               |                                                                                                                                                                           |
| 3                                                                                                                                                                                                                                 | light brown SILT, little fine sand, trace rootlets, trace plastic and glass, trace fine gravel (moist)<br>PID = 10.1 PPM (background PID = 10.1 PPM due to rain/humidity) |
| 3.5                                                                                                                                                                                                                               |                                                                                                                                                                           |
| 4                                                                                                                                                                                                                                 |                                                                                                                                                                           |
| 4.5                                                                                                                                                                                                                               |                                                                                                                                                                           |
| 5                                                                                                                                                                                                                                 |                                                                                                                                                                           |
| 5.5                                                                                                                                                                                                                               |                                                                                                                                                                           |
| 6                                                                                                                                                                                                                                 |                                                                                                                                                                           |
| 6.5                                                                                                                                                                                                                               |                                                                                                                                                                           |
| 7                                                                                                                                                                                                                                 |                                                                                                                                                                           |
| 7.5                                                                                                                                                                                                                               |                                                                                                                                                                           |
| 8                                                                                                                                                                                                                                 |                                                                                                                                                                           |
| 8.5                                                                                                                                                                                                                               |                                                                                                                                                                           |
| 9                                                                                                                                                                                                                                 |                                                                                                                                                                           |
| 9.5                                                                                                                                                                                                                               |                                                                                                                                                                           |
| 10                                                                                                                                                                                                                                |                                                                                                                                                                           |
| 10.5                                                                                                                                                                                                                              |                                                                                                                                                                           |
| 11                                                                                                                                                                                                                                |                                                                                                                                                                           |
| 11.5                                                                                                                                                                                                                              |                                                                                                                                                                           |
| 12                                                                                                                                                                                                                                |                                                                                                                                                                           |
| <b>Comments:</b><br>Samples collected from 0-2" and 2-12" intervals for TCL SVOC (including benzoic acid), organochlorine pesticides, TCL PCBs, and TAL metals (including Mercury).<br>Piles of refuse in the area of the sample. |                                                                                                                                                                           |

**SURFACE SOIL BORING LOG****Boring No.: (SS-12)**

|                             |                                |                 |
|-----------------------------|--------------------------------|-----------------|
| PROJECT: Niagara Sanitation | CONTRACTOR: AECOM              | PAGE 1          |
| PROJECT No.: 60628668       | LOCATION: Wheatfield, New York | DATE: 6/21/2021 |
| SURFACE ELEVATION: 578.72   |                                | AECOM REP.: DLZ |

| Depth (in) | SAMPLE DESCRIPTION, REMARKS, AND STRATUM CHANGES                                                                                                  |
|------------|---------------------------------------------------------------------------------------------------------------------------------------------------|
| 0.5        | medium brown SILT and FINE SAND, little plastic and glass, little rootlets (dry)<br>PID = 5.1 PPM (background PID = 5.1 PPM due to rain/humidity) |
| 1          |                                                                                                                                                   |
| 1.5        |                                                                                                                                                   |
| 2          | medium brown SILT and FINE SAND, little plastic and glass, little rootlets (dry)<br>PID = 5.1 PPM (background PID = 5.1 PPM due to rain/humidity) |
| 2.5        |                                                                                                                                                   |
| 3          |                                                                                                                                                   |
| 3.5        |                                                                                                                                                   |
| 4          | medium brown SILT and FINE SAND, little plastic and glass, little rootlets (dry)<br>PID = 5.1 PPM (background PID = 5.1 PPM due to rain/humidity) |
| 4.5        |                                                                                                                                                   |
| 5          |                                                                                                                                                   |
| 5.5        |                                                                                                                                                   |
| 6          |                                                                                                                                                   |
| 6.5        |                                                                                                                                                   |
| 7          |                                                                                                                                                   |
| 7.5        |                                                                                                                                                   |
| 8          |                                                                                                                                                   |
| 8.5        |                                                                                                                                                   |
| 9          |                                                                                                                                                   |
| 9.5        |                                                                                                                                                   |
| 10         |                                                                                                                                                   |
| 10.5       |                                                                                                                                                   |
| 11         |                                                                                                                                                   |
| 11.5       |                                                                                                                                                   |
| 12         |                                                                                                                                                   |

**Comments:**

Samples collected from 0-2" and 2-12" intervals for TCL SVOC (including benzoic acid), organochlorine pesticides, TCL PCBs, and TAL metals (including Mercury).

MS/MSD sample was collected from the 0-2" interval.

Duplicate sample (SS-62) was collected from the 2-12" interval.

**SURFACE SOIL BORING LOG****Boring No.: (SS-13)**

|                             |                                |                 |           |
|-----------------------------|--------------------------------|-----------------|-----------|
| PROJECT: Niagara Sanitation | CONTRACTOR: AECOM              | PAGE 1          | 6/22/2021 |
| PROJECT No.: 60628668       | LOCATION: Wheatfield, New York | DATE:           |           |
| SURFACE ELEVATION: 575.66   |                                | AECOM REP.: DLZ |           |

| Depth<br>(in)                                                                                                                                                                                                                       | SAMPLE DESCRIPTION, REMARKS, AND STRATUM CHANGES                                                                  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|
| 0.5                                                                                                                                                                                                                                 | medium to dark brown SILT, little fine sand, little rootlets, trace glass (moist)<br>PID = 0.0 PPM                |
| 1                                                                                                                                                                                                                                   |                                                                                                                   |
| 1.5                                                                                                                                                                                                                                 |                                                                                                                   |
| 2                                                                                                                                                                                                                                   | medium to dark brown SILT, little fine sand, little rootlets, trace glass (moist)<br>PID = 0.0 PPM                |
| 2.5                                                                                                                                                                                                                                 |                                                                                                                   |
| 3                                                                                                                                                                                                                                   |                                                                                                                   |
| 3.5                                                                                                                                                                                                                                 |                                                                                                                   |
| 4                                                                                                                                                                                                                                   |                                                                                                                   |
| 4.5                                                                                                                                                                                                                                 |                                                                                                                   |
| 5                                                                                                                                                                                                                                   | medium to dark brown SILT, little fine sand, trace rootlets, trace glass, plastic, metal (moist)<br>PID = 0.0 PPM |
| 5.5                                                                                                                                                                                                                                 |                                                                                                                   |
| 6                                                                                                                                                                                                                                   |                                                                                                                   |
| 6.5                                                                                                                                                                                                                                 |                                                                                                                   |
| 7                                                                                                                                                                                                                                   |                                                                                                                   |
| 7.5                                                                                                                                                                                                                                 |                                                                                                                   |
| 8                                                                                                                                                                                                                                   |                                                                                                                   |
| 8.5                                                                                                                                                                                                                                 |                                                                                                                   |
| 9                                                                                                                                                                                                                                   |                                                                                                                   |
| 9.5                                                                                                                                                                                                                                 |                                                                                                                   |
| 10                                                                                                                                                                                                                                  |                                                                                                                   |
| 10.5                                                                                                                                                                                                                                |                                                                                                                   |
| 11                                                                                                                                                                                                                                  |                                                                                                                   |
| 11.5                                                                                                                                                                                                                                |                                                                                                                   |
| 12                                                                                                                                                                                                                                  |                                                                                                                   |
| Comments:<br>Samples collected from 0-2" and 2-12" intervals for TCL SVOC (including benzoic acid), organochlorine pesticides, TCL PCBs, and TAL metals (including Mercury).<br>MS/MSD sample was collected from the 0-2" interval. |                                                                                                                   |

**SURFACE SOIL BORING LOG****Boring No.: (SS-14)**

|                             |                                |                 |
|-----------------------------|--------------------------------|-----------------|
| PROJECT: Niagara Sanitation | CONTRACTOR: AECOM              | PAGE 1          |
| PROJECT No.: 60628668       | LOCATION: Wheatfield, New York | DATE: 6/21/2021 |
| SURFACE ELEVATION: 577.28   |                                | AECOM REP.: DLZ |

| Depth<br>(in) | SAMPLE DESCRIPTION, REMARKS, AND STRATUM CHANGES                                                      |
|---------------|-------------------------------------------------------------------------------------------------------|
| 0.5           | medium to dark brown SILT, some fine sand, trace rootlets, trace fine gravel (moist)<br>PID = 0.0 PPM |
| 1             |                                                                                                       |
| 1.5           |                                                                                                       |
| 2             |                                                                                                       |
| 2.5           | medium to dark brown SILT, some fine sand, trace rootlets, trace fine gravel (moist)<br>PID = 0.0 PPM |
| 3             |                                                                                                       |
| 3.5           |                                                                                                       |
| 4             |                                                                                                       |
| 4.5           | light brown to tan, SILT, little fine sand, trace plastic, trace fine gravel (moist)<br>PID = 0.0 PPM |
| 5             |                                                                                                       |
| 5.5           |                                                                                                       |
| 6             |                                                                                                       |
| 6.5           |                                                                                                       |
| 7             |                                                                                                       |
| 7.5           |                                                                                                       |
| 8             |                                                                                                       |
| 8.5           |                                                                                                       |
| 9             |                                                                                                       |
| 9.5           |                                                                                                       |
| 10            |                                                                                                       |
| 10.5          |                                                                                                       |
| 11            |                                                                                                       |
| 11.5          |                                                                                                       |
| 12            |                                                                                                       |

**Comments:**

Samples collected from 0-2" and 2-12" intervals for TCL SVOC (including benzoic acid), organochlorine pesticides, TCL PCBs, and TAL metals (including Mercury).  
Duplicate sample (SS-64) was collected from the 0-2" interval.



**SURFACE SOIL BORING LOG****Boring No.: (SS-15)**

|                             |                                |                 |
|-----------------------------|--------------------------------|-----------------|
| PROJECT: Niagara Sanitation | CONTRACTOR: AECOM              | PAGE 1          |
| PROJECT No.: 60628668       | LOCATION: Wheatfield, New York | DATE: 6/21/2021 |
| SURFACE ELEVATION: 576.92   |                                | AECOM REP.: DLZ |

| Depth<br>(in) | SAMPLE DESCRIPTION, REMARKS, AND STRATUM CHANGES                                   |
|---------------|------------------------------------------------------------------------------------|
| 0.5           | medium brown SILT, little fine sand, trace rootlets (moist)<br>PID = 0.0 PPM       |
| 1             |                                                                                    |
| 1.5           |                                                                                    |
| 2             | medium brown SILT, little fine sand, trace rootlets (moist)<br>PID = 0.0 PPM       |
| 2.5           |                                                                                    |
| 3             | medium to light brown, SILT, little fine sand, trace clay (moist)<br>PID = 0.0 PPM |
| 3.5           |                                                                                    |
| 4             |                                                                                    |
| 4.5           |                                                                                    |
| 5             |                                                                                    |
| 5.5           |                                                                                    |
| 6             |                                                                                    |
| 6.5           |                                                                                    |
| 7             |                                                                                    |
| 7.5           |                                                                                    |
| 8             |                                                                                    |
| 8.5           |                                                                                    |
| 9             |                                                                                    |
| 9.5           |                                                                                    |
| 10            |                                                                                    |
| 10.5          |                                                                                    |
| 11            |                                                                                    |
| 11.5          |                                                                                    |
| 12            |                                                                                    |

**Comments:**

Samples collected from 0-2" and 2-12" intervals for TCL SVOC (including benzoic acid), organochlorine pesticides, TCL PCBs, and TAL metals (including Mercury).

**SURFACE SOIL BORING LOG****Boring No.: (SS-16)**

|                             |                                |                 |
|-----------------------------|--------------------------------|-----------------|
| PROJECT: Niagara Sanitation | CONTRACTOR: AECOM              | PAGE 1          |
| PROJECT No.: 60628668       | LOCATION: Wheatfield, New York | DATE: 6/21/2021 |
| SURFACE ELEVATION: 577.72   |                                | AECOM REP.: DLZ |

| Depth<br>(in) | SAMPLE DESCRIPTION, REMARKS, AND STRATUM CHANGES                                              |
|---------------|-----------------------------------------------------------------------------------------------|
| 0.5           | medium brown SILT, little fine sand, trace glass and plastic (dry-moist)<br>PID = 0.0 PPM     |
| 1             |                                                                                               |
| 1.5           |                                                                                               |
| 2             | medium brown SILT, little fine sand, trace glass and plastic (dry-moist)<br>PID = 0.0 PPM     |
| 2.5           |                                                                                               |
| 3             |                                                                                               |
| 3.5           |                                                                                               |
| 4             | medium brown, SILT, some plastic, glass, metal, little fine sand (dry-moist)<br>PID = 0.0 PPM |
| 4.5           |                                                                                               |
| 5             |                                                                                               |
| 5.5           |                                                                                               |
| 6             |                                                                                               |
| 6.5           |                                                                                               |
| 7             |                                                                                               |
| 7.5           |                                                                                               |
| 8             |                                                                                               |
| 8.5           |                                                                                               |
| 9             |                                                                                               |
| 9.5           |                                                                                               |
| 10            |                                                                                               |
| 10.5          |                                                                                               |
| 11            |                                                                                               |
| 11.5          |                                                                                               |
| 12            |                                                                                               |

**Comments:**

Samples collected from 0-2" and 2-12" intervals for TCL SVOC (including benzoic acid), organochlorine pesticides, TCL PCBs, and TAL metals (including Mercury).

**SURFACE SOIL BORING LOG****Boring No.: (SS-17)**

|                             |                                |                 |
|-----------------------------|--------------------------------|-----------------|
| PROJECT: Niagara Sanitation | CONTRACTOR: AECOM              | PAGE 1          |
| PROJECT No.: 60628668       | LOCATION: Wheatfield, New York | DATE: 6/21/2021 |
| SURFACE ELEVATION: 576.8    |                                | AECOM REP.: DLZ |

| Depth<br>(in) | SAMPLE DESCRIPTION, REMARKS, AND STRATUM CHANGES                                                 |
|---------------|--------------------------------------------------------------------------------------------------|
| 0.5           | medium brown SILT, little fine sand, trace rootlets (dry-moist)<br>PID = 0.0 PPM                 |
| 1             |                                                                                                  |
| 1.5           |                                                                                                  |
| 2             | medium brown SILT, little fine sand, trace rootlets (dry-moist)<br>PID = 0.0 PPM                 |
| 2.5           |                                                                                                  |
| 3             |                                                                                                  |
| 3.5           |                                                                                                  |
| 4             | medium to light brown, SILT, little fine sand, trace plastic, glass (dry-moist)<br>PID = 0.0 PPM |
| 4.5           |                                                                                                  |
| 5             |                                                                                                  |
| 5.5           |                                                                                                  |
| 6             |                                                                                                  |
| 6.5           |                                                                                                  |
| 7             |                                                                                                  |
| 7.5           |                                                                                                  |
| 8             |                                                                                                  |
| 8.5           |                                                                                                  |
| 9             |                                                                                                  |
| 9.5           |                                                                                                  |
| 10            |                                                                                                  |
| 10.5          |                                                                                                  |
| 11            |                                                                                                  |
| 11.5          |                                                                                                  |
| 12            |                                                                                                  |

**Comments:**

Samples collected from 0-2" and 2-12" intervals for TCL SVOC (including benzoic acid), organochlorine pesticides, TCL PCBs, and TAL metals (including Mercury).

**SURFACE SOIL BORING LOG****Boring No.: (SS-18)**

|                             |                                |                 |
|-----------------------------|--------------------------------|-----------------|
| PROJECT: Niagara Sanitation | CONTRACTOR: AECOM              | PAGE 1          |
| PROJECT No.: 60628668       | LOCATION: Wheatfield, New York | DATE: 6/21/2021 |
| SURFACE ELEVATION: 579.40   |                                | AECOM REP.: DLZ |

| Depth<br>(in) | SAMPLE DESCRIPTION, REMARKS, AND STRATUM CHANGES                              |
|---------------|-------------------------------------------------------------------------------|
| 0.5           | medium brown SILT, some fine sand, trace brick (dry-moist)<br>PID = 0.0 PPM   |
| 1             |                                                                               |
| 1.5           |                                                                               |
| 2             | medium brown SILT, some fine sand, trace brick (dry-moist)<br>PID = 0.0 PPM   |
| 2.5           |                                                                               |
| 3             |                                                                               |
| 3.5           |                                                                               |
| 4             | medium brown SILT, little fine sand, trace brick (dry-moist)<br>PID = 0.0 PPM |
| 4.5           |                                                                               |
| 5             |                                                                               |
| 5.5           |                                                                               |
| 6             |                                                                               |
| 6.5           |                                                                               |
| 7             |                                                                               |
| 7.5           |                                                                               |
| 8             |                                                                               |
| 8.5           |                                                                               |
| 9             |                                                                               |
| 9.5           |                                                                               |
| 10            |                                                                               |
| 10.5          |                                                                               |
| 11            |                                                                               |
| 11.5          |                                                                               |
| 12            |                                                                               |

**Comments:**

Samples collected from 0-2" and 2-12" intervals for TCL SVOC (including benzoic acid), organochlorine pesticides, TCL PCBs, and TAL metals (including Mercury).  
Sample located in open grass area - possible historic gravel road/pad

**SURFACE SOIL BORING LOG****Boring No.: (SS-19)**

|                             |                                |                 |
|-----------------------------|--------------------------------|-----------------|
| PROJECT: Niagara Sanitation | CONTRACTOR: AECOM              | PAGE 1          |
| PROJECT No.: 60628668       | LOCATION: Wheatfield, New York | DATE: 6/21/2021 |
| SURFACE ELEVATION: 5.77.22  |                                | AECOM REP.: DLZ |

| Depth<br>(in) | SAMPLE DESCRIPTION, REMARKS, AND STRATUM CHANGES                                                                  |
|---------------|-------------------------------------------------------------------------------------------------------------------|
| 0.5           | medium to dark brown SILT, little fine sand, little rootlets, trace glass (moist)<br>PID = 0.0 PPM                |
| 1             |                                                                                                                   |
| 1.5           |                                                                                                                   |
| 2             | medium to dark brown SILT, little fine sand, trace rootlets, trace glass, plastic, metal (moist)<br>PID = 0.0 PPM |
| 2.5           |                                                                                                                   |
| 3             |                                                                                                                   |
| 3.5           |                                                                                                                   |
| 4             |                                                                                                                   |
| 4.5           |                                                                                                                   |
| 5             |                                                                                                                   |
| 5.5           |                                                                                                                   |
| 6             |                                                                                                                   |
| 6.5           |                                                                                                                   |
| 7             |                                                                                                                   |
| 7.5           |                                                                                                                   |
| 8             |                                                                                                                   |
| 8.5           |                                                                                                                   |
| 9             |                                                                                                                   |
| 9.5           |                                                                                                                   |
| 10            |                                                                                                                   |
| 10.5          |                                                                                                                   |
| 11            |                                                                                                                   |
| 11.5          |                                                                                                                   |
| 12            |                                                                                                                   |

**Comments:**

Samples collected from 0-2" and 2-12" intervals for TCL SVOC (including benzoic acid), organochlorine pesticides, TCL PCBs, and TAL metals (including Mercury).

**SURFACE SOIL BORING LOG****Boring No.: (SS-20)**

|                             |                                |                 |
|-----------------------------|--------------------------------|-----------------|
| PROJECT: Niagara Sanitation | CONTRACTOR: AECOM              | PAGE 1          |
| PROJECT No.: 60628668       | LOCATION: Wheatfield, New York | DATE: 6/21/2021 |
| SURFACE ELEVATION: 577.28   |                                | AECOM REP.: DLZ |

| Depth<br>(in) | SAMPLE DESCRIPTION, REMARKS, AND STRATUM CHANGES                                                                          |
|---------------|---------------------------------------------------------------------------------------------------------------------------|
| 0.5           | light brown SILT and FINE SAND, trace plastic and glass, trace rootlets, trace fine gravel (dry-moist)<br>PID = 0.0 PPM   |
| 1             |                                                                                                                           |
| 1.5           |                                                                                                                           |
| 2             | light brown SILT and FINE SAND, little plastic and glass, little fine gravel, trace rootlets (dry-moist)<br>PID = 0.0 PPM |
| 2.5           |                                                                                                                           |
| 3             |                                                                                                                           |
| 3.5           |                                                                                                                           |
| 4             |                                                                                                                           |
| 4.5           |                                                                                                                           |
| 5             |                                                                                                                           |
| 5.5           |                                                                                                                           |
| 6             |                                                                                                                           |
| 6.5           |                                                                                                                           |
| 7             |                                                                                                                           |
| 7.5           |                                                                                                                           |
| 8             |                                                                                                                           |
| 8.5           |                                                                                                                           |
| 9             |                                                                                                                           |
| 9.5           |                                                                                                                           |
| 10            |                                                                                                                           |
| 10.5          |                                                                                                                           |
| 11            |                                                                                                                           |
| 11.5          |                                                                                                                           |
| 12            |                                                                                                                           |

**Comments:**

Samples collected from 0-2" and 2-12" intervals for TCL SVOC (including benzoic acid), organochlorine pesticides, TCL PCBs, and TAL metals (including Mercury).  
Located at east end of field.



## SURFACE SOIL BORING LOG

Boring No.: (SS-21)

|                             |                                |                 |
|-----------------------------|--------------------------------|-----------------|
| PROJECT: Niagara Sanitation | CONTRACTOR: AECOM              | PAGE 1          |
| PROJECT No.: 60628668       | LOCATION: Wheatfield, New York | DATE: 6/21/2021 |
| SURFACE ELEVATION: 578.62   |                                | AECOM REP.: DLZ |

| Depth (in) | SAMPLE DESCRIPTION, REMARKS, AND STRATUM CHANGES                                                                                           |
|------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| 0.5        | medium brown SILT and FINE SAND, little rootlets (dry-moist)<br>PID = 1.3 PPM (background PID = 1.0 PPM)                                   |
| 1          |                                                                                                                                            |
| 1.5        |                                                                                                                                            |
| 2          | medium brown SILT and FINE SAND, little rootlets, trace plastic, trace fine gravel (dry-moist)<br>PID = 1.0 PPM (background PID = 1.0 PPM) |
| 2.5        |                                                                                                                                            |
| 3          |                                                                                                                                            |
| 3.5        |                                                                                                                                            |
| 4          |                                                                                                                                            |
| 4.5        |                                                                                                                                            |
| 5          |                                                                                                                                            |
| 5.5        |                                                                                                                                            |
| 6          |                                                                                                                                            |
| 6.5        |                                                                                                                                            |
| 7          |                                                                                                                                            |
| 7.5        |                                                                                                                                            |
| 8          |                                                                                                                                            |
| 8.5        |                                                                                                                                            |
| 9          |                                                                                                                                            |
| 9.5        |                                                                                                                                            |
| 10         |                                                                                                                                            |
| 10.5       |                                                                                                                                            |
| 11         |                                                                                                                                            |
| 11.5       |                                                                                                                                            |
| 12         |                                                                                                                                            |

**Comments:**

Samples collected from 0-2" and 2-12" intervals for TCL SVOC (including benzoic acid), organochlorine pesticides, TCL PCBs, and TAL metals (including Mercury).  
MS/MSD collected from 0-2" interval.



## SURFACE SOIL BORING LOG

Boring No.: (SS-22)

|                             |                                |                 |
|-----------------------------|--------------------------------|-----------------|
| PROJECT: Niagara Sanitation | CONTRACTOR: AECOM              | PAGE 1          |
| PROJECT No.: 60628668       | LOCATION: Wheatfield, New York | DATE: 6/21/2021 |
| SURFACE ELEVATION: 576.90   |                                | AECOM REP.: DLZ |

| Depth (in) | SAMPLE DESCRIPTION, REMARKS, AND STRATUM CHANGES                                                                               |
|------------|--------------------------------------------------------------------------------------------------------------------------------|
| 0.5        | medium to dark brown SILT, little fine sand (moist)<br>PID = Not available, meter off-scale due to rain/humidity               |
| 1          |                                                                                                                                |
| 1.5        |                                                                                                                                |
| 2          | medium to dark brown SILT, little fine sand (moist)<br>PID = Not available, meter off-scale due to rain/humidity               |
| 2.5        |                                                                                                                                |
| 3          |                                                                                                                                |
| 3.5        |                                                                                                                                |
| 4          | light brown to tan SILT, little fine sand, trace rootlets (moist)<br>PID = Not available, meter off-scale due to rain/humidity |
| 4.5        |                                                                                                                                |
| 5          |                                                                                                                                |
| 5.5        |                                                                                                                                |
| 6          |                                                                                                                                |
| 6.5        |                                                                                                                                |
| 7          |                                                                                                                                |
| 7.5        |                                                                                                                                |
| 8          |                                                                                                                                |
| 8.5        |                                                                                                                                |
| 9          |                                                                                                                                |
| 9.5        |                                                                                                                                |
| 10         |                                                                                                                                |
| 10.5       |                                                                                                                                |
| 11         |                                                                                                                                |
| 11.5       |                                                                                                                                |
| 12         |                                                                                                                                |

Comments:

Samples collected from 0-2" and 2-12" intervals for TCL SVOC (including benzoic acid), organochlorine pesticides, TCL PCBs, and TAL metals (including Mercury).



**SURFACE SOIL BORING LOG****Boring No.: (SS-23)**

|                             |                                |                 |
|-----------------------------|--------------------------------|-----------------|
| PROJECT: Niagara Sanitation | CONTRACTOR: AECOM              | PAGE 1          |
| PROJECT No.: 60628668       | LOCATION: Wheatfield, New York | DATE: 6/21/2021 |
| SURFACE ELEVATION: 577.14   |                                | AECOM REP.: DLZ |

| Depth<br>(in) | SAMPLE DESCRIPTION, REMARKS, AND STRATUM CHANGES                                                                                   |
|---------------|------------------------------------------------------------------------------------------------------------------------------------|
| 0.5           | medium brown SILT, little fine sand, little rootlets (moist)<br>PID = Not available, meter off-scale due to rain/humidity          |
| 1             |                                                                                                                                    |
| 1.5           |                                                                                                                                    |
| 2             | medium brown SILT, little fine sand little, rootlets (moist)<br>PID = Not available, meter off-scale due to rain/humidity          |
| 2.5           |                                                                                                                                    |
| 3             |                                                                                                                                    |
| 3.5           | light to medium brown SILT, little fine sand, little rootlets (moist)<br>PID = Not available, meter off-scale due to rain/humidity |
| 4             |                                                                                                                                    |
| 4.5           |                                                                                                                                    |
| 5             |                                                                                                                                    |
| 5.5           |                                                                                                                                    |
| 6             |                                                                                                                                    |
| 6.5           |                                                                                                                                    |
| 7             |                                                                                                                                    |
| 7.5           |                                                                                                                                    |
| 8             |                                                                                                                                    |
| 8.5           |                                                                                                                                    |
| 9             |                                                                                                                                    |
| 9.5           |                                                                                                                                    |
| 10            |                                                                                                                                    |
| 10.5          |                                                                                                                                    |
| 11            |                                                                                                                                    |
| 11.5          |                                                                                                                                    |
| 12            |                                                                                                                                    |

**Comments:**

Samples collected from 0-2" and 2-12" intervals for TCL SVOC (including benzoic acid), organochlorine pesticides, TCL PCBs, and TAL metals (including Mercury).  
Sample located between road and perimeter fence.

**SURFACE SOIL BORING LOG****Boring No.: (SS-24)**

|                             |                                |                 |
|-----------------------------|--------------------------------|-----------------|
| PROJECT: Niagara Sanitation | CONTRACTOR: AECOM              | PAGE 1          |
| PROJECT No.: 60628668       | LOCATION: Wheatfield, New York | DATE: 6/21/2021 |
| SURFACE ELEVATION: 576.24   |                                | AECOM REP.: DLZ |

| Depth<br>(in)                                                                                                                                                                | SAMPLE DESCRIPTION, REMARKS, AND STRATUM CHANGES                                                                                 |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|
| 0.5                                                                                                                                                                          | medium to dark brown SILT, little fine sand, trace rootlets (moist)<br>PID = Not available, meter off-scale due to rain/humidity |
| 1                                                                                                                                                                            |                                                                                                                                  |
| 1.5                                                                                                                                                                          |                                                                                                                                  |
| 2                                                                                                                                                                            | medium brown to tan SILT, little fine sand, trace rootlets (moist)<br>PID = Not available, meter off-scale due to rain/humidity  |
| 2.5                                                                                                                                                                          |                                                                                                                                  |
| 3                                                                                                                                                                            |                                                                                                                                  |
| 3.5                                                                                                                                                                          |                                                                                                                                  |
| 4                                                                                                                                                                            |                                                                                                                                  |
| 4.5                                                                                                                                                                          |                                                                                                                                  |
| 5                                                                                                                                                                            |                                                                                                                                  |
| 5.5                                                                                                                                                                          |                                                                                                                                  |
| 6                                                                                                                                                                            |                                                                                                                                  |
| 6.5                                                                                                                                                                          |                                                                                                                                  |
| 7                                                                                                                                                                            |                                                                                                                                  |
| 7.5                                                                                                                                                                          |                                                                                                                                  |
| 8                                                                                                                                                                            |                                                                                                                                  |
| 8.5                                                                                                                                                                          |                                                                                                                                  |
| 9                                                                                                                                                                            |                                                                                                                                  |
| 9.5                                                                                                                                                                          |                                                                                                                                  |
| 10                                                                                                                                                                           |                                                                                                                                  |
| 10.5                                                                                                                                                                         |                                                                                                                                  |
| 11                                                                                                                                                                           |                                                                                                                                  |
| 11.5                                                                                                                                                                         |                                                                                                                                  |
| 12                                                                                                                                                                           |                                                                                                                                  |
| Comments:<br>Samples collected from 0-2" and 2-12" intervals for TCL SVOC (including benzoic acid), organochlorine pesticides, TCL PCBs, and TAL metals (including Mercury). |                                                                                                                                  |

**SURFACE SOIL BORING LOG****Boring No.: (SS-25)**

|                             |                                |                 |
|-----------------------------|--------------------------------|-----------------|
| PROJECT: Niagara Sanitation | CONTRACTOR: AECOM              | PAGE 1          |
| PROJECT No.: 60628668       | LOCATION: Wheatfield, New York | DATE: 6/21/2021 |
| SURFACE ELEVATION: 577.17   |                                | AECOM REP.: DLZ |

| Depth<br>(in) | SAMPLE DESCRIPTION, REMARKS, AND STRATUM CHANGES                                         |
|---------------|------------------------------------------------------------------------------------------|
| 0.5           | dark brown SILT and FINE SAND, little rootlets, trace glass (dry-moist)<br>PID = 0.0 PPM |
| 1             |                                                                                          |
| 1.5           |                                                                                          |
| 2             | dark brown SILT and FINE SAND, little rootlets, trace glass (dry-moist)<br>PID = 0.0 PPM |
| 2.5           |                                                                                          |
| 3             |                                                                                          |
| 3.5           | medium brown SILT and FINE SAND, some plastic glass, metal (dry-moist)<br>PID = 0.0 PPM  |
| 4             |                                                                                          |
| 4.5           |                                                                                          |
| 5             |                                                                                          |
| 5.5           |                                                                                          |
| 6             |                                                                                          |
| 6.5           |                                                                                          |
| 7             |                                                                                          |
| 7.5           |                                                                                          |
| 8             |                                                                                          |
| 8.5           |                                                                                          |
| 9             |                                                                                          |
| 9.5           |                                                                                          |
| 10            |                                                                                          |
| 10.5          |                                                                                          |
| 11            |                                                                                          |
| 11.5          |                                                                                          |
| 12            |                                                                                          |

**Comments:**

Samples collected from 0-2" and 2-12" intervals for TCL SVOC (including benzoic acid), organochlorine pesticides, TCL PCBs, and TAL metals (including Mercury).  
MS/MSD collected from 0-2" interval.

**APPENDIX C**

**PHOTO REPORT**



**AECOM**

**SUPPLIMENTAL REMEDIAL INVESTIGATION  
OW-36 TEST TRENCHES  
PHOTOGRAPH LOG**

**Client Name:** NYSDEC  
**Project No.:** 60628668

**Site Location:** Niagara Sanitation Company Site  
Wheatfield, New York

**NYSDEC Project  
No.:** 932054

**Photo No.**

**1**

**Date:**

6/2/21

**Direction Photo Taken:**

South

**Description:**

View of monitoring well OW-36; note flagging for the location for six test trenches.



**Photo No.**

**2**

**Date:**

6/7/21

**Direction Photo Taken:**

South

**Description:**

View of upwind CAMP station. Note monitoring well LPZ-03S in background.





|                                                                                                    |                        |                                                                                    |
|----------------------------------------------------------------------------------------------------|------------------------|------------------------------------------------------------------------------------|
| <b>Photo No.</b><br><b>3</b>                                                                       | <b>Date:</b><br>6/7/21 |  |
| <b>Direction Photo Taken:</b><br><br>Northwest                                                     |                        |                                                                                    |
| <b>Description:</b><br><br>View of downwind CAMP station. Note perimeter site fence in background. |                        |                                                                                    |

|                                                                                                                                                                                   |                 |                                                                                      |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|--------------------------------------------------------------------------------------|
| Photo No.<br>4                                                                                                                                                                    | Date:<br>6/7/21 |  |
| Direction Photo Taken:<br><br>West                                                                                                                                                |                 |                                                                                      |
| Description:<br><br>View of CAMP meters (MiniRAE3000 10.6 120V D and DustTrak 2 8530) inside NEMA enclosure (upwind station). Note downwind CAMP station used the same equipment. |                 |                                                                                      |



|                                                                                                                                                                                                                     |                        |                                                                                    |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|------------------------------------------------------------------------------------|
| <b>Photo No.</b><br><b>5</b>                                                                                                                                                                                        | <b>Date:</b><br>6/7/21 |  |
| <b>Direction Photo Taken:</b><br><br>Northwest                                                                                                                                                                      |                        |                                                                                    |
| <b>Description:</b><br><br>View of Matrix beginning excavation of test trench TT-01 following hand-clearing for utilities; excavated soil was placed on plastic sheeting. Note monitoring well OW-36 in foreground. |                        |                                                                                    |

|                                                                                                                                                                         |                        |                                                                                      |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|--------------------------------------------------------------------------------------|
| <b>Photo No.</b><br><b>6</b>                                                                                                                                            | <b>Date:</b><br>6/7/21 |  |
| <b>Direction Photo Taken:</b>                                                                                                                                           |                        |                                                                                      |
| North                                                                                                                                                                   |                        |                                                                                      |
| <b>Description:</b>                                                                                                                                                     |                        |                                                                                      |
| View of excavated soil at test trench TT-01 from 0 to approximate 3 feet depth interval. Note MiniRAE3000 PID in foreground used for scanning excavated soils for VOCs. |                        |                                                                                      |
|                                                                                                                                                                         |                        |                                                                                      |



|                                                                                                                                      |                        |                                                                                    |
|--------------------------------------------------------------------------------------------------------------------------------------|------------------------|------------------------------------------------------------------------------------|
| <b>Photo No.</b><br><b>7</b>                                                                                                         | <b>Date:</b><br>6/7/21 |  |
| <b>Direction Photo Taken:</b><br><br>Northeast                                                                                       |                        |                                                                                    |
| <b>Description:</b><br><br>View of excavated soil and municipal refuse at test trench TT-01 from the 4.0 to 7.0 feet depth interval. |                        |                                                                                    |

|                                                                                                                                                                                                                                                                                        |                         |                                                                                      |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|--------------------------------------------------------------------------------------|
| <b>Photo No.</b><br><b>8</b>                                                                                                                                                                                                                                                           | <b>Date:</b><br>5/17/21 |  |
| <b>Direction Photo Taken:</b><br><br>Northeast                                                                                                                                                                                                                                         |                         |                                                                                      |
| <b>Description:</b><br><br>View of test trench TT-01 excavation. Total depth was 7.0 feet and sample was collected at 5.5 to 7.0 feet depth interval. Note groundwater was identified at 5.5 feet below ground surface. Soil was placed back into excavation following test trenching. |                         |                                                                                      |



|                                                                                           |                        |                                                                                    |
|-------------------------------------------------------------------------------------------|------------------------|------------------------------------------------------------------------------------|
| <b>Photo No.</b><br><b>9</b>                                                              | <b>Date:</b><br>6/7/21 |  |
| <b>Direction Photo Taken:</b>                                                             |                        |                                                                                    |
| North                                                                                     |                        |                                                                                    |
| <b>Description:</b>                                                                       |                        |                                                                                    |
| View of AECOM collecting soil at test trench TT-02 at the 3.5 to 4.0 feet depth interval. |                        |                                                                                    |

|                                                                                                                                                                             |                 |                                                                                      |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|--------------------------------------------------------------------------------------|
| Photo No.<br><b>10</b>                                                                                                                                                      | Date:<br>6/7/21 |  |
| Direction Photo<br>Taken:                                                                                                                                                   |                 |                                                                                      |
| North                                                                                                                                                                       |                 |                                                                                      |
| Description:                                                                                                                                                                |                 |                                                                                      |
| <p>View of soil being sampled from the 3.5 to 4.0 feet depth interval from test trench TT-02. Note the sample for VOC analysis was collected prior to compositing soil.</p> |                 |                                                                                      |

|                                                                                                                                                                                                                                                                                        |                        |                                                                                    |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|------------------------------------------------------------------------------------|
| <b>Photo No.</b><br><b>11</b>                                                                                                                                                                                                                                                          | <b>Date:</b><br>6/7/21 |  |
| <b>Direction Photo Taken:</b><br><br>South                                                                                                                                                                                                                                             |                        |                                                                                    |
| <b>Description:</b><br><br>View of test trench TT-02 excavation. Total depth was 6.0 feet and sample was collected at 3.5 to 4.0 feet depth interval. Note groundwater was identified at 4.0 feet below ground surface. Soil was placed back into excavation following test trenching. |                        |                                                                                    |

|                                                                                     |                 |                                                                                      |
|-------------------------------------------------------------------------------------|-----------------|--------------------------------------------------------------------------------------|
| Photo No.<br><b>12</b>                                                              | Date:<br>6/7/21 |  |
| Direction Photo<br>Taken:<br><br>Northeast                                          |                 |                                                                                      |
| Description:<br><br>View of Matrix beginning<br>excavation at test trench<br>TT-03. |                 |                                                                                      |



|                                                                                                |                 |                                                                                    |
|------------------------------------------------------------------------------------------------|-----------------|------------------------------------------------------------------------------------|
| Photo No.<br><b>13</b>                                                                         | Date:<br>6/7/21 |  |
| Direction Photo<br>Taken:                                                                      |                 |                                                                                    |
| Northwest                                                                                      |                 |                                                                                    |
| Description:                                                                                   |                 |                                                                                    |
| View of AECOM scanning soil with MiniRAE 3000 for VOCs at test trench TT-03 during excavation. |                 |                                                                                    |

|                                                                                                                              |                 |                                                                                      |
|------------------------------------------------------------------------------------------------------------------------------|-----------------|--------------------------------------------------------------------------------------|
| Photo No.<br><b>14</b>                                                                                                       | Date:<br>6/7/21 |  |
| Direction Photo Taken:                                                                                                       |                 |                                                                                      |
| Northeast                                                                                                                    |                 |                                                                                      |
| Description:                                                                                                                 |                 |                                                                                      |
| View of Matrix performing excavation at test trench TT-03; note municipal refuse and soils being placed on plastic sheeting. |                 |                                                                                      |

|                                                                                                                                                                                                                                                                                        |                        |                                                                                    |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|------------------------------------------------------------------------------------|
| <b>Photo No.</b><br><b>15</b>                                                                                                                                                                                                                                                          | <b>Date:</b><br>6/7/21 |  |
| <b>Direction Photo Taken:</b><br><br>southeast                                                                                                                                                                                                                                         |                        |                                                                                    |
| <b>Description:</b><br><br>View of test trench TT-03 excavation. Total depth was 5.5 feet and sample was collected at 2.0 to 5.5 feet depth interval. Note groundwater was identified at 4.0 feet below ground surface. Soil was placed back into excavation following test trenching. |                        |                                                                                    |

|                                                                                                                                                                                                                                                                                        |                        |                                                                                      |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|--------------------------------------------------------------------------------------|
| <b>Photo No.</b><br><b>16</b>                                                                                                                                                                                                                                                          | <b>Date:</b><br>6/7/21 |  |
| <b>Direction Photo Taken:</b><br><br>Southeast                                                                                                                                                                                                                                         |                        |                                                                                      |
| <b>Description:</b><br><br>View of test trench TT-04 excavation. Total depth was 5.5 feet and sample was collected at 4.0 to 4.5 feet depth interval. Note groundwater was identified at 4.0 feet below ground surface. Soil was placed back into excavation following test trenching. |                        |                                                                                      |



|                                                                                                                                                                                                                                                                                        |                        |                                                                                    |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|------------------------------------------------------------------------------------|
| <b>Photo No.</b><br><b>17</b>                                                                                                                                                                                                                                                          | <b>Date:</b><br>6/7/21 |  |
| <b>Direction Photo Taken:</b><br><br>South                                                                                                                                                                                                                                             |                        |                                                                                    |
| <b>Description:</b><br><br>View of test trench TT-05 excavation. Total depth was 5.0 feet and sample was collected at 4.5 to 5.0 feet depth interval. Note groundwater was identified at 4.5 feet below ground surface. Soil was placed back into excavation following test trenching. |                        |                                                                                    |

|                                                                                                                                                                                                                                                                                        |                        |                                                                                      |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|--------------------------------------------------------------------------------------|
| <b>Photo No.</b><br><b>18</b>                                                                                                                                                                                                                                                          | <b>Date:</b><br>6/7/21 |  |
| <b>Direction Photo Taken:</b><br><br>South                                                                                                                                                                                                                                             |                        |                                                                                      |
| <b>Description:</b><br><br>View of test trench TT-06 excavation. Total depth was 5.5 feet and sample was collected at 4.5 to 5.0 feet depth interval. Note groundwater was identified at 4.5 feet below ground surface. Soil was placed back into excavation following test trenching. |                        |                                                                                      |



|                                                                             |                  |                                                                                    |
|-----------------------------------------------------------------------------|------------------|------------------------------------------------------------------------------------|
| Photo No.<br><b>19</b>                                                      | Date:<br>6/21/21 |  |
| Direction Photo<br>Taken:                                                   |                  |                                                                                    |
| North                                                                       |                  |                                                                                    |
| Description:                                                                |                  |                                                                                    |
| View of AECOM preparing<br>equipment for surface soil<br>sampling activity. |                  |                                                                                    |

|                                                                                    |                         |                                                                                      |
|------------------------------------------------------------------------------------|-------------------------|--------------------------------------------------------------------------------------|
| <b>Photo No.</b><br><b>20</b>                                                      | <b>Date:</b><br>6/21/21 |  |
| <b>Direction Photo Taken:</b><br><br>South                                         |                         |                                                                                      |
| <b>Description:</b><br><br>View of AECOM collecting surface soil samples at SS-21. |                         |                                                                                      |



|                                                                                                                                               |                         |                                                                                    |
|-----------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|------------------------------------------------------------------------------------|
| <b>Photo No.</b><br><b>21</b>                                                                                                                 | <b>Date:</b><br>6/21/21 |  |
| <b>Direction Photo Taken:</b><br><br>south                                                                                                    |                         |                                                                                    |
| <b>Description:</b><br><br>View of AECOM logging soil at surface soil sample location SS-12. Duplicated SS-62 was collected at this location. |                         |                                                                                    |

|                                                                                                                             |                  |                                                                                      |
|-----------------------------------------------------------------------------------------------------------------------------|------------------|--------------------------------------------------------------------------------------|
| Photo No.<br><b>22</b>                                                                                                      | Date:<br>6/21/21 |  |
| Direction Photo<br>Taken:                                                                                                   |                  |                                                                                      |
| Description:<br><br>View of glass and plastic<br>from the 0 to 2-inch<br>interval at surface soil<br>sample location SS-16. |                  |                                                                                      |



|                                                                                                                                                      |                         |                                                                                    |
|------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|------------------------------------------------------------------------------------|
| <b>Photo No.</b><br><b>23</b>                                                                                                                        | <b>Date:</b><br>6/22/21 |  |
| <b>Direction Photo Taken:</b><br><br>East                                                                                                            |                         |                                                                                    |
| <b>Description:</b><br><br>View of soil sample from surface soil location SS-18. Note brick in soil. Sample located in possible old gravel road/pad. |                         |                                                                                    |

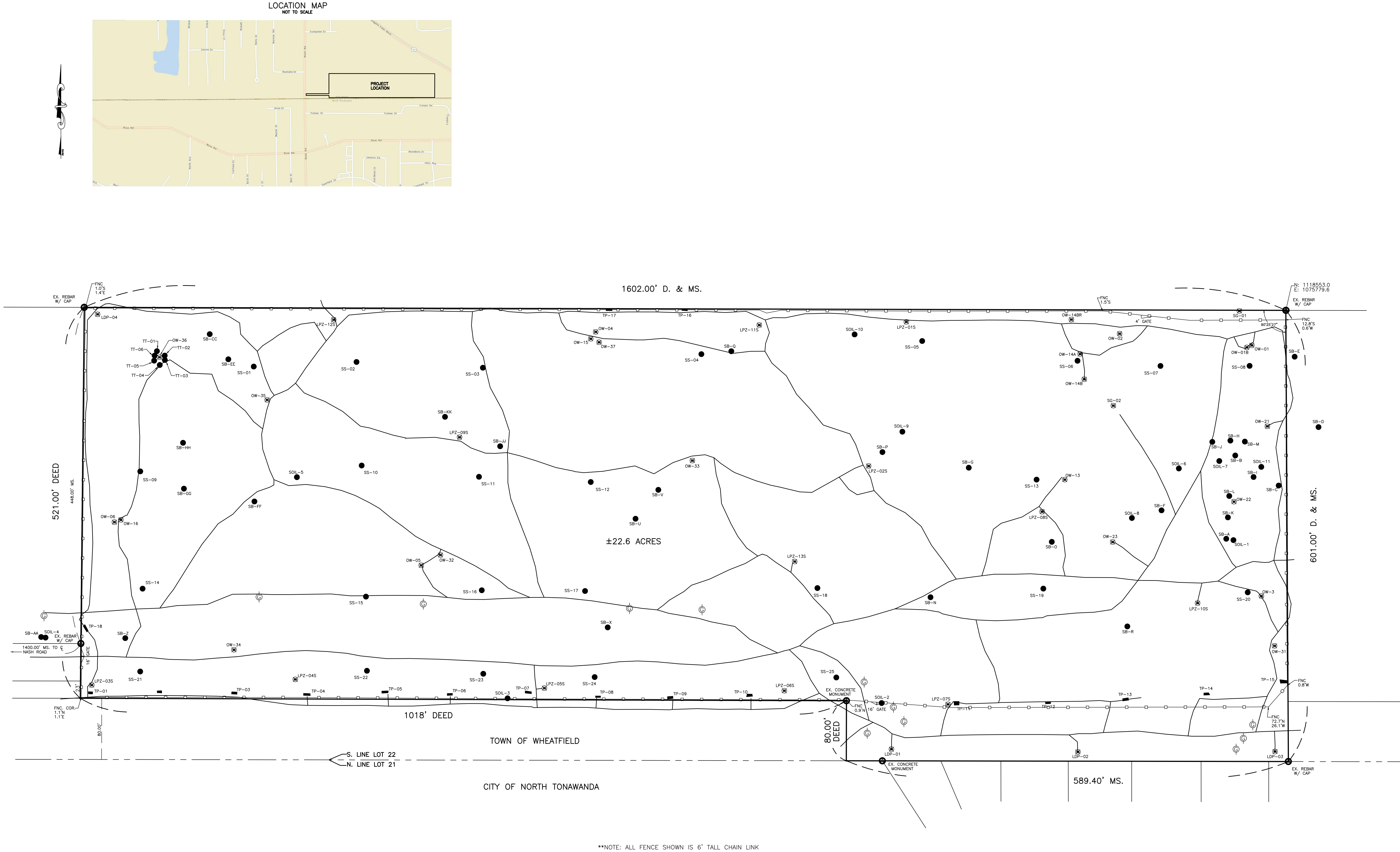
|                                                                                                                        |                         |                                                                                      |
|------------------------------------------------------------------------------------------------------------------------|-------------------------|--------------------------------------------------------------------------------------|
| <b>Photo No.</b><br><b>24</b>                                                                                          | <b>Date:</b><br>8/10/21 |  |
| <b>Direction Photo Taken:</b><br><br>Northeast                                                                         |                         |                                                                                      |
| <b>Description:</b><br><br>View of AECOMs subcontractor Kheops collecting surveying data from monitoring well LPZ-13S. |                         |                                                                                      |



**APPENDIX D**

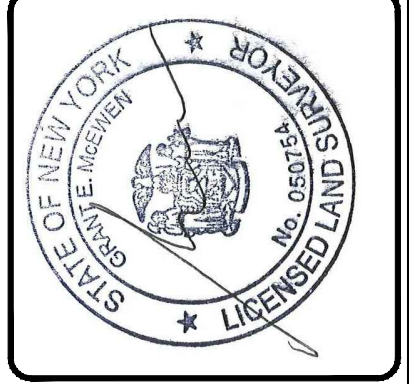
**SURVEY**

File: \\TUG4501\Projects\2017\17N150 Niagara Sanitation Survey Ltr\1.4 - Technical Data\CADD Drawings\2017 WELL LOCATION SURVEY.dwg, Last saved: 1/10/2022, Plot Date: 1/12/2022, By: GRANT MCEWEN



| NO. | REV. | DATE    | DESCRIPTION |
|-----|------|---------|-------------|
| 1   |      | 1/10/22 | AMP         |
| 2   |      | 1/10/22 | AMP         |

NOTES:  
1. THIS SURVEY WAS CONDUCTED BY KHEOPS ARCHITECTURE, ENGINEERING, & SURVEY, DPC IN ACCORDANCE WITH THE REQUIREMENTS OF APPLICABLE LAWS.  
2. THE INFORMATION CONTAINED HEREIN IS FOR INFORMATIONAL PURPOSES ONLY AND DOES NOT CONSTITUTE A GUARANTEE OF ACCURACY OR A REPRESENTATION OF FACT.  
3. THE INFORMATION CONTAINED HEREIN IS NOT TO BE USED FOR ANY PURPOSES OTHER THAN THOSE FOR WHICH IT WAS PREPARED.  
4. THE INFORMATION CONTAINED HEREIN IS NOT TO BE USED FOR ANY PURPOSES OTHER THAN THOSE FOR WHICH IT WAS PREPARED.



|              |        |             |                 |
|--------------|--------|-------------|-----------------|
| Designed by: | AMP    | Field Date: | 10/19/17        |
| Drawn by:    | AMP    | Job No.:    | 17N150          |
| Checked by:  | DRH    | Book:       | 415             |
| Dwg Scale:   | 1"=60' | Map:        | 1.50            |
| Vert:        | N/A    | File Name:  | 2017 NASH WELLS |

**KHEOPS**  
ARCHITECTURE, ENGINEERING  
& SURVEY, DPC  
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WWW.KHEOPSPC.COM

**NIAGARA SANITATION - NASH ROAD SITE  
TRAIL SYSTEM AND WELL LOCATION SURVEY**  
NASH ROAD, TOWN OF WHEATFIELD  
COUNTY OF NIAGARA, STATE OF NEW YORK

MAP  
NUMBER:  
**6330-W**  
Sheet 1 of 1

**APPENDIX E**

**DATA USABILITY REPORTS**

# VALIDATA

Chemical Services, Inc.

2159 Wynnton Pointe, Duluth, GA 30097

(770) 232-0130

(770) 232-5082 (Fax)

[www.datavalidator.com](http://www.datavalidator.com)

## DATA USABILITY SUMMARY REPORT

COMPANY: AECOM Technical Services Northeast, Inc.  
PROJECT NAME: Niagara Sanitation Wheatfield #932054  
CONTRACTED LAB: Eurofins Test America, Buffalo  
QA/QC LEVEL: DUSR  
ANALYTICAL METHOD(S): SW846 and EPA Methods  
VALIDATION GUIDELINES: USEPA Region II data validation SOPs (VOA HW-24 Rev.4, SVOC HW-22 Rev.5, PEST-HW-44, Rev 1.1, PCB HW-37a Rev. 0, METALS\_SOP\_HW3a-ICP-AES Rev 1.1 and HW3c-Hg-CN, Rev. 1), USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review, **2008**; USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Data Review, **2010**; NYDEC Guidelines for Sampling and Analysis of PFAS, January 2020, Professional Judgment  
SAMPLE MATRICES: Soil & Water  
TYPES OF ANALYSES: Volatile Organic Compounds (VOC) Semivolatile Organic Compounds (SVOC), Pesticides (Pest), Polychlorinated Hydrocarbons (PCBs), Total Metals, Total Mercury  
DATA REVIEWER(S): Amy L. Hogan  
SDG NUMBER: 480-185711-1  
SAMPLING DATE(S): June 7, 2021

### SAMPLES:

| <u>Client Sample ID</u> | <u>Laboratory ID</u> | <u>VOC</u> | <u>SVOC</u> |
|-------------------------|----------------------|------------|-------------|
| FBTT-210607             | 480-185711-1         | X          | X           |
| TT01-5.5-7.0-210607     | 480-185711-2         | X          | X           |
| TT51-5.5-7.0-210607     | 480-185711-3         | X          | X           |
| TT02-3.5-4.0-210607     | 480-185711-4         | X          | X           |
| TT03-02-5.5-210607      | 480-185711-5         | X          | X           |
| TT04-04-4.5-210607      | 480-185711-6         | X          | X           |
| TT05-4.5-5.0-210607     | 480-185711-7         | X          | X           |
| TT06-4.5-5.0-210607     | 480-185711-8         | X          | X           |
| TT02-3.5-4.0-210607MS   | 480-185711-4MS       | X          | X           |
| TT02-3.5-4.0-210607MSD  | 480-185711-4MSD      | X          | X           |



| <u>Client Sample ID</u> | <u>Laboratory ID</u> | <u>PEST</u> | <u>PCB</u> |
|-------------------------|----------------------|-------------|------------|
| FBTT-210607             | 480-185711-1         | X           | X          |
| TT01-5.5-7.0-210607     | 480-185711-2         | X           | X          |
| TT51-5.5-7.0-210607     | 480-185711-3         | X           | X          |
| TT02-3.5-4.0-210607     | 480-185711-4         | X           | X          |
| TT03-02-5.5-210607      | 480-185711-5         | X           | X          |
| TT04-04-4.5-210607      | 480-185711-6         | X           | X          |
| TT05-4.5-5.0-210607     | 480-185711-7         | X           | X          |
| TT06-4.5-5.0-210607     | 480-185711-8         | X           | X          |
| TT02-3.5-4.0-210607MS   | 480-185711-4MS       | X           | X          |
| TT02-3.5-4.0-210607MSD  | 480-185711-4MSD      | X           | X          |

| <u>Client Sample ID</u> | <u>Laboratory ID</u> | <u>T. MET.</u> | <u>T. Mercury</u> |
|-------------------------|----------------------|----------------|-------------------|
| FBTT-210607             | 480-185711-1         | X              | X                 |
| TT01-5.5-7.0-210607     | 480-185711-2         | X              | X                 |
| TT51-5.5-7.0-210607     | 480-185711-3         | X              | X                 |
| TT02-3.5-4.0-210607     | 480-185711-4         | X              | X                 |
| TT03-02-5.5-210607      | 480-185711-5         | X              | X                 |
| TT04-04-4.5-210607      | 480-185711-6         | X              | X                 |
| TT05-4.5-5.0-210607     | 480-185711-7         | X              | X                 |
| TT06-4.5-5.0-210607     | 480-185711-8         | X              | X                 |
| TT02-3.5-4.0-210607MS   | 480-185711-4MS       | X              | X                 |
| TT02-3.5-4.0-210607MSD  | 480-185711-4MSD      | X              | X                 |

Suffix Codes: DL= DILUTION, MS = MATRIX SPIKE,  
MSD = MATRIX SPIKE DUPLICATE, RE = REANALYSIS

| Qualifier | Definition                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|-----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>U</b>  | The analyte was not detected and was reported as less than the LOD or as defined by the customer. The LOD has been adjusted for any dilution or concentration of the sample.                                                                                                                                                                                                                                                                |
| <b>J</b>  | The reported result was an estimated value with an unknown bias.                                                                                                                                                                                                                                                                                                                                                                            |
| <b>J+</b> | The result was an estimated quantity, but the result may be biased high.                                                                                                                                                                                                                                                                                                                                                                    |
| <b>J-</b> | The result was an estimated quantity, but the result may be biased low.                                                                                                                                                                                                                                                                                                                                                                     |
| <b>N</b>  | The analysis indicates the presence of an analyte for which there was presumptive evidence to make a "tentative identification."                                                                                                                                                                                                                                                                                                            |
| <b>NJ</b> | The analyte has been “tentatively identified” or “presumptively” as present and the associated numerical value was the estimated concentration in the sample.                                                                                                                                                                                                                                                                               |
| <b>UJ</b> | The analyte was not detected and was reported as less than the LOD or as defined by the customer. However, the associated numerical value is approximate.                                                                                                                                                                                                                                                                                   |
| <b>X</b>  | The sample results (including non-detects) were affected by serious deficiencies in the ability to analyze the sample and to meet published method and project quality control criteria. The presence or absence of the analyte cannot be substantiated by the data provided. Acceptance or rejection of the data should be decided by the project team (which should include a project chemist), but exclusion of the data is recommended. |

## DATA USABILITY SUMMARY

Eurofins Test America, Buffalo – 480-185711-1

### ***VOLATILE ORGANICS***

#### SUMMARY

##### I.) General:

The analyses for Volatile Organics were performed per SW846 Method 8260C.

##### II.) Overall Assessment of Data:

All laboratory data were acceptable with qualifications.

##### II.) Holding Times:

All Holding Time criteria were met. No data qualification was necessary.

##### IV.) GC/MS Tuning:

All GC/MS Tuning criteria were met. No data qualification was necessary.

##### V.) Calibration:

###### Initial Calibration:

All Initial Calibration criteria were met. No data qualification was necessary.

###### Initial Calibration Verification:

All Initial Calibration Verification criteria were met. No data qualification was necessary.

###### Continuing Calibration:

The Percent Differences (%Ds) for the standards run on 6/9/21 at 19:31 on instrument HP5973S was 20.8% for vinyl chloride, which exceeded the 20% QC limit. The non-detect result for this compound in associated sample FBTT-210607 was qualified as estimated (UJ).

The Percent Differences (%Ds) for the standards run on 6/10/21 at 07:18 on instrument HP5973F exceeded the 20% QC limit for the following compounds:

|                |       |
|----------------|-------|
| vinyl chloride | 24.0% |
|----------------|-------|

|                        |       |
|------------------------|-------|
| bromomethane           | 51.0% |
| chloroethane           | 67.5% |
| dichlorofluoromethane  | 35.9% |
| trichlorofluoromethane | 29.7% |

The results for these compounds in associated samples TT01-5.5-7.0-210607, TT51-5.5-7.0-210607 and TT03-02-5.5-210607, which were all non-detect, were qualified as estimated (UJ).

The Percent Differences (%Ds) for the standards run on 6/11/21 at 10:06 on instrument HP5973F exceeded the 20% QC limit for the following compounds:

|                        |       |
|------------------------|-------|
| vinyl chloride         | 24.6% |
| bromomethane           | 47.6% |
| chloroethane           | 59.6% |
| dichlorofluoromethane  | 33.7% |
| trichlorofluoromethane | 22.2% |

The results for these compounds in associated samples TT02-3.5-4.0-210607, TT04-04-4.5-210607, TT05-4.5-5.0-210607 and TT06-4.5-5.0-210607, which were all non-detects, were qualified as estimated (UJ).

It was noted by the validator that the lab did not analyze a closing calibration standard. Since the samples were all analyzed within the 12-hour analytical clock of the submitted calibration and citing professional judgment, the validator determined that data qualification based on the closing calibration standard absence was not necessary.

VI.) Blanks:

Method Blanks:

There were no detections in the method blanks for this SDG. No data qualification was necessary.

Equipment Blanks:

There was no equipment blank submitted in association with this SDG. No data qualification was necessary.

Field Blanks:

There were no detections in the field blank submitted in association with this SDG. No data qualification was necessary.

Trip Blank:

There was no trip blank submitted in association with this SDG. No data qualification was necessary.



## VII.) Surrogate Recoveries:

The Percent Recoveries (%Rs) for 4-BFB were below the QC limits for the following samples:

|                        |     |
|------------------------|-----|
| TT02-3.5-4.0-210607    | 63% |
| TT02-3.5-4.0-210607MS  | 65% |
| TT02-3.5-4.0-210607MSD | 57% |

All positive and non-detect results for sample TT02-3.5-4.0-210607 were qualified as estimated (J) and (UJ). Since the other listed samples were lab QC samples, no data qualification was required for the samples. The lab did not reanalyze the parent sample but used the MS and MSD results to conclude that matrix interference was potentially the issue resulting in the low surrogate recoveries.

## VIII.) Laboratory Control Samples (LCS):

Three LCS were analyzed by the laboratory for this SDG. The Percent Recoveries (%Rs) for chloroethane (151%) for 480-5847736/1-A and bromomethane (155%) and chloroethane (167%) for 480-585301/1-A exceeded the QC limits. Since there were no positive results for these compounds in the associated samples, citing professional judgment, the validator determined that data qualification was not necessary.

## IX.) Matrix Spike / Matrix Spike Duplicate (MS / MSD):

MS / MSD analyses were performed using SDG sample TT02-3.5-4.0-210607. The Percent Recoveries (%Rs) for chloroethane (147%, 132%) and sixty other %Rs all exceeded the laboratory QC limits. Taken in conjunction with the LCS results, the chloroethane recoveries indicate the potential for a high bias. Data qualification based on MS criteria alone was not required, so no data qualification was necessary for the other compounds.

## X.) Field Duplicates:

One set of field duplicate samples (TT01-5.5-7.0-210607 / TT51-5.5-7.0-210607) was identified as part of this SDG. The calculable Relative Percent Differences (RPDs) were:

|                     |      |
|---------------------|------|
| 1,4-dichlorobenzene | 0%   |
| chlorobenzene       | 120% |
| total xylenes       | 180% |

The RPDs for chlorobenzene and total xylenes were greater than 50%. Data qualification based on field duplicate results was not required. No data qualification was necessary.

## XI.) TCL Compound Identification:

All TCL Compound Identification criteria were met. No data qualification was necessary.

## XII.) Internal Standards Performance (ISTD):

The Area Count Percent Recoveries (%Rs) for 1,4-dichlorobenzene-d4 were below the 50-100% QC limits for the following samples:

|                        |       |
|------------------------|-------|
| TT02-3.5-4.0-210607    | 31.1% |
| TT02-3.5-4.0-210607MS  | 29.0% |
| TT02-3.5-4.0-210607MSD | 24.5% |

All positive and non-detect results for the compounds associated with this ISTD for sample TT02-3.5-4.0-210607 were qualified as estimated (J) and (UJ). Since the other listed samples were lab QC samples, no data qualification was necessary. The lab did not reanalyze the parent sample but used the MS and MSD results to conclude that matrix interference was potentially the issue resulting in the low ISTD recoveries.

## XIII.) Compound Quantitation and Reported Contract Required Quantitation Limits (CRQL):

All CRQL criteria were met. No data qualification was necessary.

## ***SEMIVOLATILE ORGANICS***

### SUMMARY

#### I.) General:

The analyses for Semivolatile Organics were performed per SW846 Method 8270D.

#### II.) Overall Assessment of Data:

All laboratory data were acceptable with qualifications.

#### II.) Holding Times:

All Holding Time criteria were met. No data qualification was necessary.

#### IV.) GC/MS Tuning:

All GC/MS Tuning criteria were met. No data qualification was necessary.

#### V.) Calibration:

Initial Calibration:

All Initial Calibration criteria were met. No data qualification was necessary.

#### Initial Calibration Verification:

All Initial Calibration Verification criteria were met. No data qualification was necessary.

#### Continuing Calibration:

The Percent Differences (%Ds) for the standards run on 6/11/21 at 14:47 on instrument HP5973W exceeded the 20% QC limit for the following compounds:

|                              |        |
|------------------------------|--------|
| n-nitrosodimethylamine       | 22.9%  |
| bis(2-chloroisopropyl) ether | 22.5%  |
| 2-nitroaniline               | 21.8%  |
| pentachlorophenol            | -39.8% |
| di-n-butyl phthalate         | 20.6%  |

The results for these compounds in associated sample FBTT-210607, which were all non-detect, were qualified as estimated (UJ).

#### VI.) Blanks:

##### Method Blanks:

There were no detections in the associated method blank. No data qualification was necessary.

##### Equipment Blanks:

There was no equipment blank submitted in association with this SDG. No data qualification was necessary.

##### Field Blanks:

There were no detections in the field blank submitted in association with this SDG. No data qualification was necessary.

#### VII.) Surrogate Recoveries:

The Surrogate compounds were diluted out of samples TT02-3.5-4.0-210607 and TT06-4.5-5.0-210607. All other Surrogate Recovery criteria were met. No data qualification was necessary.

#### VIII.) Laboratory Control Samples (LCS):

One LCS and one LCS / LCSD set was analyzed by the laboratory for this SDG. The Relative Percent Differences (RPDs) for seven compounds exceeded the QC limit for the LCS set. Data qualification based on LCS criteria alone was not required. No data qualification was necessary.

IX.) Matrix Spike / Matrix Spike Duplicate (MS / MSD):

MS / MSD analyses were performed using SDG sample TT02-3.5-4.0-210607. The Percent Recoveries (%Rs) for 2,4-dinitrophenol (0%, 0%) and bis(2-ethylhexyl) phthalate (39%, 54%) and seven Relative Percent Differences (RPDs) were outside the QC limits. Data qualification based on MS / MSD criteria alone was not required.

X.) Field Duplicates:

One set of field duplicate samples (TT01-5.5-7.0-210608 / TT51-5.5-7.0-210608) was identified as part of this SDG. The calculable Relative Percent Difference (RPD) for bis(2-ethylhexyl) phthalate at 26% was within the 50% advisory QC limit. No data qualification was necessary.

XI.) TCL Compound Identification:

All TCL Compound Identification criteria were met. No data qualification was necessary.

XII.) Internal Standards Performance (ISTD):

All ISTD area count criteria were met. No data qualification was necessary.

XIII.) Compound Quantitation and Reported Contract Required Quantitation Limits (CRQL):

It was noted by the lab that samples TT02-3.5-4.0-210607 and TT06-4.5-5.0-210607 were diluted due to the color, appearance and viscosity of the extracts, which resulted in elevated reporting limits. No data qualification was necessary.

All other CRQL criteria were met. No data qualification was necessary.

***PESTICIDES***

**SUMMARY**

I.) General:

The analyses for Pesticides were performed per SW846 Method 8081B.

II.) Overall Assessment of Data:

Based on Compound Identification criteria, the results for gamma BHC, beta BHC and endrin ketone for sample TT03-02-5.5-210607 were qualified as rejected (R).

All other laboratory data were acceptable with qualifications.

II.) Holding Times:

All Holding Time criteria were met. No data qualification was necessary.

IV.) Instrument Performance:

All Instrument Performance criteria were met. No data qualification was necessary.

V.) Calibration:

Initial Calibration:

All Initial Calibration criteria were met. No data qualification was necessary.

Continuing Calibration:

The Percent Differences (%Ds) for the standards run on 6/15/21 at 08:39 on instrument HP6890-25 exceeded the 20% QC limit for the following compounds:

| <u>Compound</u> | <u>Col. I, %R</u> | <u>Col. II, %R</u> |
|-----------------|-------------------|--------------------|
| DCB             | 20.1%             |                    |
| alpha BHC       |                   | -21.9%             |
| gamma BHC       |                   | -21.9%             |
| beta BHC        |                   | -22.6%             |
| delta BHC       |                   | -21.0%             |
| heptachlor      |                   | -23.4%             |

The results for the listed compounds, except surrogate DCB, for associated sample TT02-3.5-4.0-210607, which were all non-detect, were qualified as estimated (UJ).

The Percent Differences (%Ds) for the standards runs on 6/9/21 at 08:35 and 09:33 on instrument HP6890-5 exceeded the 20% QC limit for the following compounds:

| <u>Compound</u>    | <u>Col. I, %R</u> | <u>Col. II, %R</u> |
|--------------------|-------------------|--------------------|
| 4,4-DDT            | 21.5%             |                    |
| methoxychlor       | 26.1%             |                    |
| endosulfan sulfate | 23.1%             |                    |
| endrin ketone      | 23.4%             |                    |
| Mirex              | 34.9%             |                    |

The positive and non-detect results for these compounds in associated sample FBTT-210607 were qualified as estimated (J) and (UJ).

The Percent Differences (%Ds) for the standards run on 6/9/21 at 14:41 on instrument HP6890-5 exceeded the 20% QC limit for the following compounds:

| <u>Compound</u>    | <u>Col. I, %R</u> | <u>Col. II, %R</u> |
|--------------------|-------------------|--------------------|
| endosulfan II      | 21.6%             |                    |
| 4,4-DDT            | 24.8%             |                    |
| methoxychlor       | 26.4%             |                    |
| endosulfan sulfate | 23.1%             |                    |
| endrin ketone      | 24.4%             |                    |
| delta BHC          |                   | 23.1%              |
| DCB                | 32.6%             |                    |

The positive and non-detect results for these compounds in associated sample FBTT-210607 were qualified as estimated (J) and (UJ).

A review of the run log indicates that the CCV was not analyzed after every 10 samples as recommended by the guidance and that a closing CCV was also not analyzed. It was noted that the lab did analyze a CCV every 20 samples as recommended by the method. Since the samples were all analyzed within the 12-hour analytical clock of the submitted calibration and citing professional judgment, the validator determined that data qualification based on the closing calibration standard absence was not necessary.

#### VI.) Blanks:

##### Method Blanks:

4,4'-DDT (0.0185 ug/L) was detected in method blank 480-584590/1-A. Since the associated sample was a field blank, no data qualification was necessary.

##### Equipment Blanks:

There was no equipment blank submitted in association with this SDG. No data qualification was necessary.

##### Field Blanks:

4,4'-DDT (0.018 ug/L) was detected in field blank FBTT-210607. Since the blank concentration was less than the RL, the positive results for this compound in the SDG samples, which were less than the RL, were qualified as undetected (U) with the results being raised to the RL.

#### VII.) Surrogate Recoveries:

The Percent Recovery (%Rs) for DCB (317%) and TCMX (135%) for sample TT03-05-5.5-210607 exceeded the QC limits. All positive results for this sample were qualified as estimated (J).

The surrogates were diluted out of samples TT51-5.5-7.0-210607, TT02-3.5-4.0-210607. TT04-

04-4.5-210607 and TT06-4.5-5.0-210607. Data qualification was not necessary.

VIII.) Laboratory Control Samples (LCS):

Two LCS were analyzed by the laboratory for this SDG. The Percent Recovery (%R) for endrin aldehyde (3729%) for the water LCS exceeded the QC limits. Since the associated sample result was non-detect, no data qualification was necessary.

IX.) Matrix Spike / Matrix Spike Duplicate (MS / MSD):

MS / MSD analyses were performed using SDG sample TT02-3.5-4.0-210607. Since the parent sample and the MS / MSD samples were all analyzed at a significant dilution, the results were not considered meaningful. No data qualification was necessary.

X.) Field Duplicates:

One set of field duplicate samples (TT01-5.5-7.0-210607 / TT51-5.5-7.0-210607) was identified as part of this SDG. The calculable Relative Percent Difference (RPD) for 4,4'-DDD at 180% was noted as excessive. Data qualification based on field duplicate criteria was not required, so no data qualification was necessary.

XI.) TCL Compound Identification:

The Column Relative Percent Difference (RPD) exceeded the 25% QC limit for the following samples and compounds:

|                     |                 |        |
|---------------------|-----------------|--------|
| TT01-5.5-7.0-210607 | dieldrin        | 37.4%  |
| TT51-5.5-7.0-210607 | 4,4'-DDE        | 87.1%  |
| TT02-3.5-4.0-210607 | 4,4'-DDD        | 27.9%  |
| TT03-02-5.5-210607  | gamma BHC       | 137.4% |
|                     | beta BHC        | 147.3% |
|                     | trans chlordane | 26.6%  |
|                     | 4,4'-DDE        | 85.0%  |
|                     | dieldrin        | 57.0%  |
|                     | methoxychlor    | 26.6%  |
|                     | Mirex           | 35.4%  |
| TT04-04-4.5-210607  | endrin ketone   | 173%   |
|                     | Mirex           | 47.0%  |

The results for the identified compounds for samples TT01-5.5-7.0-210607, TT02-3.5-4.0-210607 and TT04-04-4.5-210607 and the results for trans-chlordane, dieldrin, methoxychlor and Mirex for sample TT03-02-5.5-210607, which had RPDs less than 70%, were qualified as estimated (J). The 4,4'-DDE results for samples TT51-5.5-210607 and TT03-02-5.5-210607, whose RPD was greater than 70%, were qualified as estimated (NJ). Since the RPDs were greater than 100% and interference was not identified, the results for gamma BHC, beta BHC and endrin ketone for sample TT03-02-5.5-210607 were qualified as rejected (R).

XII.) Internal Standards Performance (ISTD):

All ISTD area count criteria were met. No data qualification was necessary.

XIII.) Compound Quantitation and Reported Contract Required Quantitation Limits (CRQL):

Samples TT51-5.5-7.0-210607, TT02-3.5-4.0-210607, TT04-04-4.5-210607 and TT06-4.5-5.0-210607 were analyzed at dilutions due to the nature of the matrix or the high concentration of target compounds, which resulted in elevated reporting limits. No data qualification was necessary.

All other CRQL criteria were met. No data qualification was necessary.

***POLYCHLORINATED BIPHENYLS (PCB)***

SUMMARY

I.) General:

The analyses for Polychlorinated Biphenyls (PCB) were performed per SW846 Method 8082A.

II.) Overall Assessment of Data:

All laboratory data were acceptable with qualifications.

II.) Holding Times:

All Holding Time criteria were met. No data qualification was necessary.

IV.) Instrument Performance:

All Instrument Performance criteria were met. No data qualification was necessary.

V.) Calibration:

Initial Calibration:

All Initial Calibration criteria were met. No data qualification was necessary.

Continuing Calibration:

The Percent Differences (%Ds) for the standards run on 6/13/21 at 16:36 on instrument HP6890-7 exceeded the 25% opening CCV QC limit for the following compounds:

| <u>Compound</u>  | <u>Col. I, %R</u> | <u>Col. II, %D</u> |
|------------------|-------------------|--------------------|
| Aroclor 1016 (3) |                   | -26.1%             |



The non-detect Aroclor 1016 result for associated sample FBTT-210607 was qualified as estimated (UJ).

A review of the run log indicates that the CCV was not analyzed after every 10 samples as recommended by the guidance and that a closing CCV was also not analyzed. It was noted that the lab did analyze a CCV every 20 samples as recommended by the method. Since the samples were all analyzed within the 12-hour analytical clock of the submitted calibration and citing professional judgment, the validator determined that data qualification based on the closing calibration standard absence was not necessary.

#### VI.) Blanks:

##### Method Blanks:

There were no detections in the associated method blank. No data qualification was necessary.

##### Equipment Blanks:

There was no equipment blank submitted in association with this SDG. No data qualification was necessary.

##### Field Blanks:

There were no detections in the field blank submitted in association with this SDG. No data qualification was necessary.

#### VII.) Surrogate Recoveries:

The Percent Recoveries (%Rs) for DCB (59%, 59%) for sample TT02-3.5-4.0-210607 were below the QC limits. All positive and non-detect results for this sample were qualified as estimated (J) and (UJ).

#### VIII.) Laboratory Control Samples (LCS):

One LCS and one LCS / LCSD set was analyzed by the laboratory for this SDG. All criteria were met. No data qualification was necessary.

#### IX.) Matrix Spike / Matrix Spike Duplicate (MS / MSD):

MS / MSD analyses were performed using SDG sample TT02-3.5-4.0-210607. All criteria were met. No data qualification was necessary.

#### X.) Field Duplicates:

One set of field duplicate samples (TT01-5.5-7.0-210607 / TT51-5.5-7.0-210607) was identified as part of this SDG. The only calculable Relative Percent Difference (RPD) was 6.9% for Aroclor

1242, which was within the advisory 50% QC limit. No data qualification was necessary.

XI.) TCL Compound Identification:

The Column Relative Percent Difference (RPD) exceeded the 25% QC limit for the following samples and compounds:

|                     |              |       |
|---------------------|--------------|-------|
| TT05-4.5-5.0-210607 | Aroclor 1242 | 74.2% |
| TT06-4.5-5.0-210607 | Aroclor 1242 | 26.0% |

The positive results for Aroclor 1242 for the listed samples were qualified as estimated (J).

XII.) Internal Standards Performance (ISTD):

All ISTD area count criteria were met. No data qualification was necessary.

XIII.) Compound Quantitation and Reported Contract Required Quantitation Limits (CRQL):

All CRQL criteria were met. No data qualification was necessary.

***TOTAL METALS***

**SUMMARY**

I.) General:

The analyses for Total Metals were performed per SW846 Method 6010C.

II.) Overall Assessment of Data:

All laboratory data were acceptable with qualifications.

III.) Holding Times:

All Holding Time criteria were met. No data qualification was necessary.

IV.) Calibration:

The Percent Recoveries (%Rs) for the LLCCVs for total iron (207%) and total manganese (162%, 134%, 138%) exceeded the QC limit. Since the associated sample results were greater than the RL, no data qualification was necessary.

V.) CRDL standards:

All CRDL standards criteria were met. No data qualification was required.

## VI.) Blanks:

### Calibration Blanks:

Beryllium (0.00032 mg/L), calcium (0.115 mg/L), iron (0.0255 mg/L, 0.0216 mg/L, 0.0829 mg/L, 0.0203 mg/L, 0.0463 mg/L), magnesium (0.0543 mg/L), manganese (0.0016 mg/L, 0.00075 mg/L, 0.000870 mg/L, 0.000830 mg/L, 0.000850 mg/L, 0.00500 mg/L) and potassium (0.224 mg/L) were detected in the associated calibration blanks. Since the blank results for beryllium, calcium, magnesium, manganese and potassium were less than the RL and the positive sample results for the analytes in the samples were greater than the RL, no data qualification was necessary. One iron result was greater than the RL and all sample results for iron were greater than the RL and the blank concentration, so no data qualification was necessary.

### Preparation Blanks:

The following analytes were detected in associated method blank 480-584668/1-A:

|           |             |
|-----------|-------------|
| antimony  | 0.821 mg/kg |
| calcium   | 8.46 mg/kg  |
| magnesium | 1.66 mg/kg  |
| manganese | 0.11 mg/kg  |
| sodium    | 68.36 mg/kg |

Since the blank results were less than the RL and all positive sample results were greater than the RL, no data qualification was necessary.

### Equipment Blanks:

There was no associated equipment blank submitted with this SDG. No data qualification was necessary.

### Field Blank:

Magnesium (0.15 mg/L) was detected in associated field blank FBTT-210607. Since the blank result was less than the RL and all positive magnesium results for the samples were greater than the RL, no data qualification was necessary.

## VII.) Interference Check Sample (ICS) Results:

All ICS criteria were met. No data qualification was necessary.

## VIII.) Matrix Spike / Matrix Spike Duplicates (MS / MSD):

MS / MSD analyses were performed using SDG sample TT02-3.5-4.0-210607. The parent sample results for iron, lead, manganese and vanadium were greater than 4X the spike concentration, so the results for these analytes were not considered meaningful. The Percent Recoveries (%Rs) were outside the QC limits for the following analytes:

| <u>Analyte</u> | <u>MS %R</u> | <u>MSD %R</u> |
|----------------|--------------|---------------|
| aluminum       | 298%         | 459%          |
| barium         | 170%         |               |
| calcium        | 193%         |               |
| chromium       | 130%         |               |
| copper         | 166%         | 133%          |
| nickel         | 24%          | 15%           |
| zinc           | 294%         | 173%          |

All post spike criteria were met. The results for the listed analytes in the parent, which were all positive, were qualified as estimated (J). The Relative Percent Difference (RPD) for aluminum (27%) exceeded the lab QC limit of 20%. The positive aluminum result for the parent sample was qualified as estimated (J).

IX.) Laboratory Control Samples (LCS):

All LCS Recovery criteria were met. No data qualification was necessary.

X.) Serial Dilution Analysis:

Serial Dilution Analysis was performed using SDG sample TT02-3.5-4.0-210607. The Percent Difference (%D) for barium at 12% exceeded the QC limit. The positive barium result for the parent sample was qualified as estimated (J).

XI.) Field Duplicates:

One set of field duplicate samples (TT01-5.5-7.0-210607 / TT51-5.5-7.0-210607) was identified for this SDG. The calculable Relative Percent Differences (RPDs) for the first set were:

|           |      |
|-----------|------|
| aluminum  | 17%  |
| arsenic   | 3.4% |
| barium    | 17%  |
| beryllium | 19%  |
| cadmium   | 55%  |
| calcium   | 27%  |
| chromium  | 20%  |
| cobalt    | 27%  |
| copper    | 24%  |
| iron      | 25%  |
| lead      | 110% |
| magnesium | 19%  |
| manganese | 53%  |
| nickel    | 26%  |
| potassium | 43%  |

|          |     |
|----------|-----|
| sodium   | 22% |
| vanadium | 24% |
| zinc     | 48% |

The RPDs for cadmium, lead and manganese exceeded the 50% QC limit for solid samples, so the results for these analytes in the two samples were qualified as estimated (J).

## XII.) Compound Quantitation and Reported Contract Required Quantitation Limits (CRQL):

All CRQL criteria were met. No data qualification was necessary.

## ***TOTAL MERCURY***

### **SUMMARY**

#### I.) General:

The analyses for Total Mercury were performed per SW846 Method 7470A.

#### II.) Overall Assessment of Data:

All laboratory data were acceptable with qualifications.

#### III.) Holding Times:

All Holding Time criteria were met. No data qualification was necessary.

#### IV.) Calibration:

All Initial and Continuing Calibration criteria were met. No data qualification was necessary.

#### V.) CRDL standards:

All CRDL standards criteria were met. No data qualification was required.

#### VI.) Blanks:

##### Calibration Blanks:

There were no detections in the associated calibration blanks. No data qualification was necessary.

#### Preparation Blanks:

There was no detection in the associated preparation blanks. No data qualification was necessary.

#### Equipment Blanks:

There was no equipment blank submitted in associated with this SDG. No data qualification was necessary.

#### Field Blank:

There was no detection reported in the field blank submitted in association with this SDG. No data qualification was necessary.

#### VII.) Matrix Spike / Matrix Spike Duplicates (MS / MSD):

MS / MSD analyses were performed using SDG sample TT02-3.5-4.0-210607. The Percent Recoveries (%Rs) at -26% and -37% were below the QC limits. All post spike criteria were met. The positive mercury result for the parent sample was qualified as estimated (J).

#### VIII.) Laboratory Control Samples (LCS):

All LCS Recovery criteria were met. No data qualification was necessary.

#### IX.) Serial Dilution Analysis:

Serial Dilution Analysis was performed using SDG sample TT02-3.5-4.0-210607. All criteria were met. No data qualification was necessary.

#### X.) Field Duplicates:

One set of field duplicate samples (TT01-5.5-7.0-210607 / TT51-5.5-7.0-210607) was identified for this fraction of the SDG. The calculable Relative Percent Difference (RPD) at 37% was within the 50% QC limit for solid samples. No data qualification was necessary.

#### XI.) Compound Quantitation and Reported Contract Required Quantitation Limits (CRQL):

All CRQL criteria were met. No data qualification was necessary.

## **Attachment A**

### **Sample Result Forms (FORM Is) Corrected for Validation Qualifiers**

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-185711-1

Client Sample ID: FBTT-210607

Lab Sample ID: 480-185711-1

Date Collected: 06/07/21 12:00

Matrix: Water

Date Received: 06/07/21 14:10

## 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 |   |          | 06/10/21 02:50 | 1       |
| 1,1,2,2-Tetrachloroethane             | ND     |           | 1.0 | 0.21 | ug/L |   |          | 06/10/21 02:50 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND     |           | 1.0 | 0.31 | ug/L |   |          | 06/10/21 02:50 | 1       |
| 1,1,2-Trichloroethane                 | ND     |           | 1.0 | 0.23 | ug/L |   |          | 06/10/21 02:50 | 1       |
| 1,1-Dichloroethane                    | ND     |           | 1.0 | 0.38 | ug/L |   |          | 06/10/21 02:50 | 1       |
| 1,1-Dichloroethene                    | ND     |           | 1.0 | 0.29 | ug/L |   |          | 06/10/21 02:50 | 1       |
| 1,2,4-Trichlorobenzene                | ND     |           | 1.0 | 0.41 | ug/L |   |          | 06/10/21 02:50 | 1       |
| 1,2-Dibromo-3-Chloropropane           | ND     |           | 1.0 | 0.39 | ug/L |   |          | 06/10/21 02:50 | 1       |
| 1,2-Dibromoethane                     | ND     |           | 1.0 | 0.73 | ug/L |   |          | 06/10/21 02:50 | 1       |
| 1,2-Dichlorobenzene                   | ND     |           | 1.0 | 0.79 | ug/L |   |          | 06/10/21 02:50 | 1       |
| 1,2-Dichloroethane                    | ND     |           | 1.0 | 0.21 | ug/L |   |          | 06/10/21 02:50 | 1       |
| 1,2-Dichloropropane                   | ND     |           | 1.0 | 0.72 | ug/L |   |          | 06/10/21 02:50 | 1       |
| 1,3-Dichlorobenzene                   | ND     |           | 1.0 | 0.78 | ug/L |   |          | 06/10/21 02:50 | 1       |
| 1,4-Dichlorobenzene                   | ND     |           | 1.0 | 0.84 | ug/L |   |          | 06/10/21 02:50 | 1       |
| 2-Butanone (MEK)                      | ND     |           | 10  | 1.3  | ug/L |   |          | 06/10/21 02:50 | 1       |
| 2-Hexanone                            | ND     |           | 5.0 | 1.2  | ug/L |   |          | 06/10/21 02:50 | 1       |
| 4-Methyl-2-pentanone (MIBK)           | ND     |           | 5.0 | 2.1  | ug/L |   |          | 06/10/21 02:50 | 1       |
| Acetone                               | ND     |           | 10  | 3.0  | ug/L |   |          | 06/10/21 02:50 | 1       |
| Benzene                               | ND     |           | 1.0 | 0.41 | ug/L |   |          | 06/10/21 02:50 | 1       |
| Bromodichloromethane                  | ND     |           | 1.0 | 0.39 | ug/L |   |          | 06/10/21 02:50 | 1       |
| Bromoform                             | ND     |           | 1.0 | 0.26 | ug/L |   |          | 06/10/21 02:50 | 1       |
| Bromomethane                          | ND     |           | 1.0 | 0.69 | ug/L |   |          | 06/10/21 02:50 | 1       |
| Carbon disulfide                      | ND     |           | 1.0 | 0.19 | ug/L |   |          | 06/10/21 02:50 | 1       |
| Carbon tetrachloride                  | ND     |           | 1.0 | 0.27 | ug/L |   |          | 06/10/21 02:50 | 1       |
| Chlorobenzene                         | ND     |           | 1.0 | 0.75 | ug/L |   |          | 06/10/21 02:50 | 1       |
| Chloroethane                          | ND     |           | 1.0 | 0.32 | ug/L |   |          | 06/10/21 02:50 | 1       |
| Chloroform                            | ND     |           | 1.0 | 0.34 | ug/L |   |          | 06/10/21 02:50 | 1       |
| Chloromethane                         | ND     |           | 1.0 | 0.35 | ug/L |   |          | 06/10/21 02:50 | 1       |
| cis-1,2-Dichloroethene                | ND     |           | 1.0 | 0.81 | ug/L |   |          | 06/10/21 02:50 | 1       |
| cis-1,3-Dichloropropene               | ND     |           | 1.0 | 0.36 | ug/L |   |          | 06/10/21 02:50 | 1       |
| Cyclohexane                           | ND     |           | 1.0 | 0.18 | ug/L |   |          | 06/10/21 02:50 | 1       |
| Dibromochloromethane                  | ND     |           | 1.0 | 0.32 | ug/L |   |          | 06/10/21 02:50 | 1       |
| Dichlorodifluoromethane               | ND     |           | 1.0 | 0.68 | ug/L |   |          | 06/10/21 02:50 | 1       |
| Ethylbenzene                          | ND     |           | 1.0 | 0.74 | ug/L |   |          | 06/10/21 02:50 | 1       |
| Isopropylbenzene                      | ND     |           | 1.0 | 0.79 | ug/L |   |          | 06/10/21 02:50 | 1       |
| Methyl acetate                        | ND     |           | 2.5 | 1.3  | ug/L |   |          | 06/10/21 02:50 | 1       |
| Methyl tert-butyl ether               | ND     |           | 1.0 | 0.16 | ug/L |   |          | 06/10/21 02:50 | 1       |
| Methylcyclohexane                     | ND     |           | 1.0 | 0.16 | ug/L |   |          | 06/10/21 02:50 | 1       |
| Methylene Chloride                    | ND     |           | 1.0 | 0.44 | ug/L |   |          | 06/10/21 02:50 | 1       |
| Styrene                               | ND     |           | 1.0 | 0.73 | ug/L |   |          | 06/10/21 02:50 | 1       |
| Tetrachloroethene                     | ND     |           | 1.0 | 0.36 | ug/L |   |          | 06/10/21 02:50 | 1       |
| Toluene                               | ND     |           | 1.0 | 0.51 | ug/L |   |          | 06/10/21 02:50 | 1       |
| trans-1,2-Dichloroethene              | ND     |           | 1.0 | 0.90 | ug/L |   |          | 06/10/21 02:50 | 1       |
| trans-1,3-Dichloropropene             | ND     |           | 1.0 | 0.37 | ug/L |   |          | 06/10/21 02:50 | 1       |
| Trichloroethene                       | ND     |           | 1.0 | 0.46 | ug/L |   |          | 06/10/21 02:50 | 1       |
| Trichlorofluoromethane                | ND     |           | 1.0 | 0.88 | ug/L |   |          | 06/10/21 02:50 | 1       |
| Vinyl chloride                        | ND     | UJ        | 1.0 | 0.90 | ug/L |   |          | 06/10/21 02:50 | 1       |
| Xylenes, Total                        | ND     |           | 2.0 | 0.66 | ug/L |   |          | 06/10/21 02:50 | 1       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-185711-1

Client Sample ID: FBTT-210607

Lab Sample ID: 480-185711-1

Date Collected: 06/07/21 12:00

Matrix: Water

Date Received: 06/07/21 14:10

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 98        |           | 77 - 120 |          | 06/10/21 02:50 | 1       |
| 4-Bromofluorobenzene (Surr)  | 101       |           | 73 - 120 |          | 06/10/21 02:50 | 1       |
| Toluene-d8 (Surr)            | 98        |           | 80 - 120 |          | 06/10/21 02:50 | 1       |

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

| Analyte                       | Result | Qualifier | RL  | MDL  | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|--------|-----------|-----|------|------|---|----------------|----------------|---------|
| Biphenyl                      | ND     |           | 5.0 | 0.65 | ug/L |   | 06/10/21 15:30 | 06/11/21 23:13 | 1       |
| bis (2-chloroisopropyl) ether | ND     | UJ        | 5.0 | 0.52 | ug/L |   | 06/10/21 15:30 | 06/11/21 23:13 | 1       |
| 2,4,5-Trichlorophenol         | ND     | *1        | 5.0 | 0.48 | ug/L |   | 06/10/21 15:30 | 06/11/21 23:13 | 1       |
| 2,4,6-Trichlorophenol         | ND     |           | 5.0 | 0.61 | ug/L |   | 06/10/21 15:30 | 06/11/21 23:13 | 1       |
| 2,4-Dichlorophenol            | ND     |           | 5.0 | 0.51 | ug/L |   | 06/10/21 15:30 | 06/11/21 23:13 | 1       |
| 2,4-Dimethylphenol            | ND     |           | 5.0 | 0.50 | ug/L |   | 06/10/21 15:30 | 06/11/21 23:13 | 1       |
| 2,4-Dinitrophenol             | ND     |           | 10  | 2.2  | ug/L |   | 06/10/21 15:30 | 06/11/21 23:13 | 1       |
| 2,4-Dinitrotoluene            | ND     |           | 5.0 | 0.45 | ug/L |   | 06/10/21 15:30 | 06/11/21 23:13 | 1       |
| 2,6-Dinitrotoluene            | ND     |           | 5.0 | 0.40 | ug/L |   | 06/10/21 15:30 | 06/11/21 23:13 | 1       |
| 2-Chloronaphthalene           | ND     |           | 5.0 | 0.46 | ug/L |   | 06/10/21 15:30 | 06/11/21 23:13 | 1       |
| 2-Chlorophenol                | ND     |           | 5.0 | 0.53 | ug/L |   | 06/10/21 15:30 | 06/11/21 23:13 | 1       |
| 2-Methylnaphthalene           | ND     |           | 5.0 | 0.60 | ug/L |   | 06/10/21 15:30 | 06/11/21 23:13 | 1       |
| 2-Methylphenol                | ND     |           | 5.0 | 0.40 | ug/L |   | 06/10/21 15:30 | 06/11/21 23:13 | 1       |
| 2-Nitroaniline                | ND     | *1 UJ     | 10  | 0.42 | ug/L |   | 06/10/21 15:30 | 06/11/21 23:13 | 1       |
| 2-Nitrophenol                 | ND     |           | 5.0 | 0.48 | ug/L |   | 06/10/21 15:30 | 06/11/21 23:13 | 1       |
| 3,3'-Dichlorobenzidine        | ND     |           | 5.0 | 0.40 | ug/L |   | 06/10/21 15:30 | 06/11/21 23:13 | 1       |
| 3-Nitroaniline                | ND     |           | 10  | 0.48 | ug/L |   | 06/10/21 15:30 | 06/11/21 23:13 | 1       |
| 4,6-Dinitro-2-methylphenol    | ND     | *1        | 10  | 2.2  | ug/L |   | 06/10/21 15:30 | 06/11/21 23:13 | 1       |
| 4-Bromophenyl phenyl ether    | ND     | *1        | 5.0 | 0.45 | ug/L |   | 06/10/21 15:30 | 06/11/21 23:13 | 1       |
| 4-Chloro-3-methylphenol       | ND     |           | 5.0 | 0.45 | ug/L |   | 06/10/21 15:30 | 06/11/21 23:13 | 1       |
| 4-Chloroaniline               | ND     |           | 5.0 | 0.59 | ug/L |   | 06/10/21 15:30 | 06/11/21 23:13 | 1       |
| 4-Chlorophenyl phenyl ether   | ND     |           | 5.0 | 0.35 | ug/L |   | 06/10/21 15:30 | 06/11/21 23:13 | 1       |
| 4-Methylphenol                | ND     |           | 10  | 0.36 | ug/L |   | 06/10/21 15:30 | 06/11/21 23:13 | 1       |
| 4-Nitroaniline                | ND     |           | 10  | 0.25 | ug/L |   | 06/10/21 15:30 | 06/11/21 23:13 | 1       |
| 4-Nitrophenol                 | ND     |           | 10  | 1.5  | ug/L |   | 06/10/21 15:30 | 06/11/21 23:13 | 1       |
| Acenaphthene                  | ND     |           | 5.0 | 0.41 | ug/L |   | 06/10/21 15:30 | 06/11/21 23:13 | 1       |
| Acenaphthylene                | ND     |           | 5.0 | 0.38 | ug/L |   | 06/10/21 15:30 | 06/11/21 23:13 | 1       |
| Acetophenone                  | ND     |           | 5.0 | 0.54 | ug/L |   | 06/10/21 15:30 | 06/11/21 23:13 | 1       |
| Anthracene                    | ND     |           | 5.0 | 0.28 | ug/L |   | 06/10/21 15:30 | 06/11/21 23:13 | 1       |
| Atrazine                      | ND     |           | 5.0 | 0.46 | ug/L |   | 06/10/21 15:30 | 06/11/21 23:13 | 1       |
| Benzaldehyde                  | ND     |           | 5.0 | 0.27 | ug/L |   | 06/10/21 15:30 | 06/11/21 23:13 | 1       |
| Benzo(a)anthracene            | ND     |           | 5.0 | 0.36 | ug/L |   | 06/10/21 15:30 | 06/11/21 23:13 | 1       |
| Benzo(a)pyrene                | ND     |           | 5.0 | 0.47 | ug/L |   | 06/10/21 15:30 | 06/11/21 23:13 | 1       |
| Benzo(b)fluoranthene          | ND     |           | 5.0 | 0.34 | ug/L |   | 06/10/21 15:30 | 06/11/21 23:13 | 1       |
| Benzo(g,h,i)perylene          | ND     |           | 5.0 | 0.35 | ug/L |   | 06/10/21 15:30 | 06/11/21 23:13 | 1       |
| Benzo(k)fluoranthene          | ND     |           | 5.0 | 0.73 | ug/L |   | 06/10/21 15:30 | 06/11/21 23:13 | 1       |
| Bis(2-chloroethoxy)methane    | ND     |           | 5.0 | 0.35 | ug/L |   | 06/10/21 15:30 | 06/11/21 23:13 | 1       |
| Bis(2-chloroethyl)ether       | ND     |           | 5.0 | 0.40 | ug/L |   | 06/10/21 15:30 | 06/11/21 23:13 | 1       |
| Bis(2-ethylhexyl) phthalate   | ND     |           | 5.0 | 2.2  | ug/L |   | 06/10/21 15:30 | 06/11/21 23:13 | 1       |
| Butyl benzyl phthalate        | ND     | *1        | 5.0 | 1.0  | ug/L |   | 06/10/21 15:30 | 06/11/21 23:13 | 1       |
| Caprolactam                   | ND     |           | 5.0 | 2.2  | ug/L |   | 06/10/21 15:30 | 06/11/21 23:13 | 1       |
| Carbazole                     | ND     |           | 5.0 | 0.30 | ug/L |   | 06/10/21 15:30 | 06/11/21 23:13 | 1       |
| Chrysene                      | ND     |           | 5.0 | 0.33 | ug/L |   | 06/10/21 15:30 | 06/11/21 23:13 | 1       |
| Di-n-butyl phthalate          | ND     | UJ        | 5.0 | 0.31 | ug/L |   | 06/10/21 15:30 | 06/11/21 23:13 | 1       |

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ALH 8/2/21

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-185711-1

Client Sample ID: FBTT-210607

Lab Sample ID: 480-185711-1

Date Collected: 06/07/21 12:00

Matrix: Water

Date Received: 06/07/21 14:10

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

| Analyte                   | Result | Qualifier | RL  | MDL  | Unit | D | Prepared       | Analyzed       | Dil Fac |
|---------------------------|--------|-----------|-----|------|------|---|----------------|----------------|---------|
| Di-n-octyl phthalate      | ND     |           | 5.0 | 0.47 | ug/L |   | 06/10/21 15:30 | 06/11/21 23:13 | 1       |
| Dibenz(a,h)anthracene     | ND     |           | 5.0 | 0.42 | ug/L |   | 06/10/21 15:30 | 06/11/21 23:13 | 1       |
| Dibenzofuran              | ND     |           | 10  | 0.51 | ug/L |   | 06/10/21 15:30 | 06/11/21 23:13 | 1       |
| Diethyl phthalate         | ND     |           | 5.0 | 0.22 | ug/L |   | 06/10/21 15:30 | 06/11/21 23:13 | 1       |
| Dimethyl phthalate        | ND     |           | 5.0 | 0.36 | ug/L |   | 06/10/21 15:30 | 06/11/21 23:13 | 1       |
| Fluoranthene              | ND     |           | 5.0 | 0.40 | ug/L |   | 06/10/21 15:30 | 06/11/21 23:13 | 1       |
| Fluorene                  | ND     |           | 5.0 | 0.36 | ug/L |   | 06/10/21 15:30 | 06/11/21 23:13 | 1       |
| Hexachlorobenzene         | ND     | *1        | 5.0 | 0.51 | ug/L |   | 06/10/21 15:30 | 06/11/21 23:13 | 1       |
| Hexachlorobutadiene       | ND     |           | 5.0 | 0.68 | ug/L |   | 06/10/21 15:30 | 06/11/21 23:13 | 1       |
| Hexachlorocyclopentadiene | ND     |           | 5.0 | 0.59 | ug/L |   | 06/10/21 15:30 | 06/11/21 23:13 | 1       |
| Hexachloroethane          | ND     |           | 5.0 | 0.59 | ug/L |   | 06/10/21 15:30 | 06/11/21 23:13 | 1       |
| Indeno(1,2,3-cd)pyrene    | ND     |           | 5.0 | 0.47 | ug/L |   | 06/10/21 15:30 | 06/11/21 23:13 | 1       |
| Isophorone                | ND     |           | 5.0 | 0.43 | ug/L |   | 06/10/21 15:30 | 06/11/21 23:13 | 1       |
| N-Nitrosodi-n-propylamine | ND     |           | 5.0 | 0.54 | ug/L |   | 06/10/21 15:30 | 06/11/21 23:13 | 1       |
| N-Nitrosodiphenylamine    | ND     | *1 UJ     | 5.0 | 0.51 | ug/L |   | 06/10/21 15:30 | 06/11/21 23:13 | 1       |
| Naphthalene               | ND     |           | 5.0 | 0.76 | ug/L |   | 06/10/21 15:30 | 06/11/21 23:13 | 1       |
| Nitrobenzene              | ND     |           | 5.0 | 0.29 | ug/L |   | 06/10/21 15:30 | 06/11/21 23:13 | 1       |
| Pentachlorophenol         | ND     | UJ        | 10  | 2.2  | ug/L |   | 06/10/21 15:30 | 06/11/21 23:13 | 1       |
| Phenanthrene              | ND     |           | 5.0 | 0.44 | ug/L |   | 06/10/21 15:30 | 06/11/21 23:13 | 1       |
| Phenol                    | ND     |           | 5.0 | 0.39 | ug/L |   | 06/10/21 15:30 | 06/11/21 23:13 | 1       |
| Pyrene                    | ND     |           | 5.0 | 0.34 | ug/L |   | 06/10/21 15:30 | 06/11/21 23:13 | 1       |
| Benzoic acid              | ND     |           | 150 | 100  | ug/L |   | 06/10/21 15:30 | 06/11/21 23:13 | 1       |

| Surrogate            | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 2,4,6-Tribromophenol | 72        |           | 41 - 120 | 06/10/21 15:30 | 06/11/21 23:13 | 1       |
| 2-Fluorobiphenyl     | 87        |           | 48 - 120 | 06/10/21 15:30 | 06/11/21 23:13 | 1       |
| 2-Fluorophenol       | 72        |           | 35 - 120 | 06/10/21 15:30 | 06/11/21 23:13 | 1       |
| Nitrobenzene-d5      | 96        |           | 46 - 120 | 06/10/21 15:30 | 06/11/21 23:13 | 1       |
| p-Terphenyl-d14      | 97        |           | 60 - 148 | 06/10/21 15:30 | 06/11/21 23:13 | 1       |
| Phenol-d5            | 55        |           | 22 - 120 | 06/10/21 15:30 | 06/11/21 23:13 | 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 |   | 06/09/21 08:46 | 06/09/21 20:10 | 1       |
| 4,4'-DDE            | ND     |           | 0.050 | 0.012  | ug/L |   | 06/09/21 08:46 | 06/09/21 20:10 | 1       |
| 4,4'-DDT            | 0.018  | J B J     | 0.050 | 0.011  | ug/L |   | 06/09/21 08:46 | 06/09/21 20:10 | 1       |
| Aldrin              | ND     |           | 0.050 | 0.0081 | ug/L |   | 06/09/21 08:46 | 06/09/21 20:10 | 1       |
| alpha-BHC           | ND     |           | 0.050 | 0.0077 | ug/L |   | 06/09/21 08:46 | 06/09/21 20:10 | 1       |
| cis-Chlordane       | ND     |           | 0.050 | 0.015  | ug/L |   | 06/09/21 08:46 | 06/09/21 20:10 | 1       |
| beta-BHC            | ND     |           | 0.050 | 0.025  | ug/L |   | 06/09/21 08:46 | 06/09/21 20:10 | 1       |
| delta-BHC           | ND     | UJ        | 0.050 | 0.010  | ug/L |   | 06/09/21 08:46 | 06/09/21 20:10 | 1       |
| Dieldrin            | ND     |           | 0.050 | 0.0098 | ug/L |   | 06/09/21 08:46 | 06/09/21 20:10 | 1       |
| Endosulfan I        | ND     |           | 0.050 | 0.011  | ug/L |   | 06/09/21 08:46 | 06/09/21 20:10 | 1       |
| Endosulfan II       | ND     | UJ        | 0.050 | 0.012  | ug/L |   | 06/09/21 08:46 | 06/09/21 20:10 | 1       |
| Endosulfan sulfate  | ND     | UJ        | 0.050 | 0.016  | ug/L |   | 06/09/21 08:46 | 06/09/21 20:10 | 1       |
| Endrin              | ND     |           | 0.050 | 0.014  | ug/L |   | 06/09/21 08:46 | 06/09/21 20:10 | 1       |
| Endrin aldehyde     | ND     | *+        | 0.050 | 0.016  | ug/L |   | 06/09/21 08:46 | 06/09/21 20:10 | 1       |
| Endrin ketone       | ND     | UJ        | 0.050 | 0.012  | ug/L |   | 06/09/21 08:46 | 06/09/21 20:10 | 1       |
| gamma-BHC (Lindane) | ND     |           | 0.050 | 0.0080 | ug/L |   | 06/09/21 08:46 | 06/09/21 20:10 | 1       |
| trans-Chlordane     | ND     |           | 0.050 | 0.011  | ug/L |   | 06/09/21 08:46 | 06/09/21 20:10 | 1       |

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ALH 8/2/21

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-185711-1

Client Sample ID: FBTT-210607

Lab Sample ID: 480-185711-1

Date Collected: 06/07/21 12:00

Matrix: Water

Date Received: 06/07/21 14:10

## 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 |   | 06/09/21 08:46 | 06/09/21 20:10 | 1       |
| Heptachlor epoxide | ND     |           | 0.050 | 0.0074 | ug/L |   | 06/09/21 08:46 | 06/09/21 20:10 | 1       |
| Methoxychlor       | ND     | UJ        | 0.050 | 0.014  | ug/L |   | 06/09/21 08:46 | 06/09/21 20:10 | 1       |
| Toxaphene          | ND     |           | 0.50  | 0.12   | ug/L |   | 06/09/21 08:46 | 06/09/21 20:10 | 1       |
| Mirex              | ND     | UJ        | 0.050 | 0.0096 | ug/L |   | 06/09/21 08:46 | 06/09/21 20:10 | 1       |

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| DCB Decachlorobiphenyl | 66        |           | 20 - 120 | 06/09/21 08:46 | 06/09/21 20:10 | 1       |
| DCB Decachlorobiphenyl | 70        |           | 20 - 120 | 06/09/21 08:46 | 06/09/21 20:10 | 1       |
| Tetrachloro-m-xylene   | 79        |           | 44 - 120 | 06/09/21 08:46 | 06/09/21 20:10 | 1       |
| Tetrachloro-m-xylene   | 70        |           | 44 - 120 | 06/09/21 08:46 | 06/09/21 20:10 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL  | Unit | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------|-----------|------|------|------|---|----------------|----------------|---------|
| PCB-1016 | ND     | UJ        | 0.50 | 0.18 | ug/L |   | 06/10/21 15:46 | 06/13/21 19:24 | 1       |
| PCB-1221 | ND     |           | 0.50 | 0.18 | ug/L |   | 06/10/21 15:46 | 06/13/21 19:24 | 1       |
| PCB-1232 | ND     |           | 0.50 | 0.18 | ug/L |   | 06/10/21 15:46 | 06/13/21 19:24 | 1       |
| PCB-1242 | ND     |           | 0.50 | 0.18 | ug/L |   | 06/10/21 15:46 | 06/13/21 19:24 | 1       |
| PCB-1248 | ND     |           | 0.50 | 0.18 | ug/L |   | 06/10/21 15:46 | 06/13/21 19:24 | 1       |
| PCB-1254 | ND     |           | 0.50 | 0.25 | ug/L |   | 06/10/21 15:46 | 06/13/21 19:24 | 1       |
| PCB-1260 | ND     |           | 0.50 | 0.25 | ug/L |   | 06/10/21 15:46 | 06/13/21 19:24 | 1       |
| PCB-1262 | ND     |           | 0.50 | 0.25 | ug/L |   | 06/10/21 15:46 | 06/13/21 19:24 | 1       |
| PCB-1268 | ND     |           | 0.50 | 0.25 | ug/L |   | 06/10/21 15:46 | 06/13/21 19:24 | 1       |

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| Tetrachloro-m-xylene   | 85        |           | 39 - 121 | 06/10/21 15:46 | 06/13/21 19:24 | 1       |
| Tetrachloro-m-xylene   | 86        |           | 39 - 121 | 06/10/21 15:46 | 06/13/21 19:24 | 1       |
| DCB Decachlorobiphenyl | 73        |           | 19 - 120 | 06/10/21 15:46 | 06/13/21 19:24 | 1       |
| DCB Decachlorobiphenyl | 81        |           | 19 - 120 | 06/10/21 15:46 | 06/13/21 19:24 | 1       |

## Method: 6010C - Metals (ICP) - Total Recoverable

| Analyte   | Result | Qualifier | RL     | MDL     | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-----------|--------|-----------|--------|---------|------|---|----------------|----------------|---------|
| Aluminum  | ND     |           | 0.20   | 0.060   | mg/L |   | 06/10/21 10:09 | 06/11/21 03:19 | 1       |
| Antimony  | ND     |           | 0.020  | 0.0068  | mg/L |   | 06/10/21 10:09 | 06/11/21 03:19 | 1       |
| Arsenic   | ND     |           | 0.015  | 0.0056  | mg/L |   | 06/10/21 10:09 | 06/11/21 03:19 | 1       |
| Barium    | ND     |           | 0.0020 | 0.00070 | mg/L |   | 06/10/21 10:09 | 06/11/21 03:19 | 1       |
| Beryllium | ND     |           | 0.0020 | 0.00030 | mg/L |   | 06/10/21 10:09 | 06/11/21 03:19 | 1       |
| Cadmium   | ND     |           | 0.0020 | 0.00050 | mg/L |   | 06/10/21 10:09 | 06/11/21 03:19 | 1       |
| Calcium   | ND     |           | 0.50   | 0.10    | mg/L |   | 06/10/21 10:09 | 06/11/21 03:19 | 1       |
| Chromium  | ND     |           | 0.0040 | 0.0010  | mg/L |   | 06/10/21 10:09 | 06/11/21 03:19 | 1       |
| Cobalt    | ND     |           | 0.0040 | 0.00063 | mg/L |   | 06/10/21 10:09 | 06/11/21 03:19 | 1       |
| Copper    | ND     |           | 0.010  | 0.0016  | mg/L |   | 06/10/21 10:09 | 06/11/21 03:19 | 1       |
| Iron      | ND     |           | 0.050  | 0.019   | mg/L |   | 06/10/21 10:09 | 06/11/21 03:19 | 1       |
| Lead      | ND     |           | 0.010  | 0.0030  | mg/L |   | 06/10/21 10:09 | 06/11/21 03:19 | 1       |
| Magnesium | 0.15   | J         | 0.20   | 0.043   | mg/L |   | 06/10/21 10:09 | 06/11/21 03:19 | 1       |
| Manganese | ND     |           | 0.0030 | 0.00040 | mg/L |   | 06/10/21 10:09 | 06/11/21 03:19 | 1       |
| Nickel    | ND     |           | 0.010  | 0.0013  | mg/L |   | 06/10/21 10:09 | 06/11/21 03:19 | 1       |
| Potassium | ND     |           | 0.50   | 0.10    | mg/L |   | 06/10/21 10:09 | 06/11/21 17:03 | 1       |
| Selenium  | ND     |           | 0.025  | 0.0087  | mg/L |   | 06/10/21 10:09 | 06/11/21 03:19 | 1       |
| Silver    | ND     |           | 0.0060 | 0.0017  | mg/L |   | 06/10/21 10:09 | 06/11/21 03:19 | 1       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-185711-1

**Client Sample ID: FBTT-210607**

**Lab Sample ID: 480-185711-1**

**Date Collected: 06/07/21 12:00**

**Matrix: Water**

**Date Received: 06/07/21 14:10**

## Method: 6010C - Metals (ICP) - Total Recoverable (Continued)

| Analyte  | Result | Qualifier | RL     | MDL    | Unit | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------|-----------|--------|--------|------|---|----------------|----------------|---------|
| Sodium   | ND     |           | 1.0    | 0.32   | mg/L |   | 06/10/21 10:09 | 06/11/21 17:03 | 1       |
| Thallium | ND     |           | 0.020  | 0.010  | mg/L |   | 06/10/21 10:09 | 06/11/21 03:19 | 1       |
| Vanadium | ND     |           | 0.0050 | 0.0015 | mg/L |   | 06/10/21 10:09 | 06/11/21 03:19 | 1       |
| Zinc     | ND     |           | 0.010  | 0.0015 | mg/L |   | 06/10/21 10:09 | 06/11/21 03:19 | 1       |

## Method: 7470A - Mercury (CVAA)

| Analyte | Result | Qualifier | RL      | MDL     | Unit | D | Prepared       | Analyzed       | Dil Fac |
|---------|--------|-----------|---------|---------|------|---|----------------|----------------|---------|
| Mercury | ND     |           | 0.00020 | 0.00012 | mg/L |   | 06/14/21 12:30 | 06/14/21 17:30 | 1       |

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-185711-1

Client Sample ID: TT01-5.5-7.0-210607

Lab Sample ID: 480-185711-2

Date Collected: 06/07/21 10:00

Matrix: Solid

Date Received: 06/07/21 14:10

Percent Solids: 76.0

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

| Analyte                               | Result      | Qualifier   | RL  | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------------------------|-------------|-------------|-----|------|-------|---|----------------|----------------|---------|
| 1,1,1-Trichloroethane                 | ND          | vs          | 6.5 | 0.47 | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:06 | 1       |
| 1,1,2,2-Tetrachloroethane             | ND          | vs          | 6.5 | 1.1  | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:06 | 1       |
| 1,1,2-Trichloroethane                 | ND          | vs          | 6.5 | 0.85 | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:06 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND          | vs          | 6.5 | 1.5  | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:06 | 1       |
| 1,1-Dichloroethane                    | ND          | vs          | 6.5 | 0.80 | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:06 | 1       |
| 1,1-Dichloroethene                    | ND          | vs          | 6.5 | 0.80 | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:06 | 1       |
| 1,2,4-Trichlorobenzene                | ND          | vs          | 6.5 | 0.40 | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:06 | 1       |
| 1,2-Dibromo-3-Chloropropane           | ND          | vs          | 6.5 | 3.3  | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:06 | 1       |
| 1,2-Dibromoethane                     | ND          | vs          | 6.5 | 0.84 | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:06 | 1       |
| 1,2-Dichlorobenzene                   | ND          | vs          | 6.5 | 0.51 | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:06 | 1       |
| 1,2-Dichloroethane                    | ND          | vs          | 6.5 | 0.33 | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:06 | 1       |
| 1,2-Dichloropropane                   | ND          | vs          | 6.5 | 3.3  | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:06 | 1       |
| 1,3-Dichlorobenzene                   | ND          | vs          | 6.5 | 0.34 | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:06 | 1       |
| <b>1,4-Dichlorobenzene</b>            | <b>1.6</b>  | <b>J vs</b> | 6.5 | 0.92 | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:06 | 1       |
| 2-Hexanone                            | ND          | vs          | 33  | 3.3  | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:06 | 1       |
| 2-Butanone (MEK)                      | ND          | vs          | 33  | 2.4  | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:06 | 1       |
| 4-Methyl-2-pentanone (MIBK)           | ND          | vs          | 33  | 2.1  | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:06 | 1       |
| <b>Acetone</b>                        | <b>10</b>   | <b>J vs</b> | 33  | 5.5  | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:06 | 1       |
| <b>Benzene</b>                        | <b>0.60</b> | <b>J vs</b> | 6.5 | 0.32 | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:06 | 1       |
| Bromodichloromethane                  | ND          | vs          | 6.5 | 0.88 | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:06 | 1       |
| Bromoform                             | ND          | vs          | 6.5 | 3.3  | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:06 | 1       |
| Bromomethane                          | ND          | vs          | 6.5 | 0.59 | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:06 | 1       |
| Carbon disulfide                      | ND          | vs          | 6.5 | 3.3  | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:06 | 1       |
| Carbon tetrachloride                  | ND          | vs          | 6.5 | 0.63 | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:06 | 1       |
| <b>Chlorobenzene</b>                  | <b>3.9</b>  | <b>J vs</b> | 6.5 | 0.86 | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:06 | 1       |
| Dibromochloromethane                  | ND          | vs          | 6.5 | 0.84 | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:06 | 1       |
| Chloroethane                          | ND          | *+ vs       | 6.5 | 1.5  | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:06 | 1       |
| Chloroform                            | ND          | vs          | 6.5 | 0.40 | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:06 | 1       |
| Chloromethane                         | ND          | vs          | 6.5 | 0.39 | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:06 | 1       |
| cis-1,2-Dichloroethene                | ND          | vs          | 6.5 | 0.84 | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:06 | 1       |
| cis-1,3-Dichloropropene               | ND          | vs          | 6.5 | 0.94 | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:06 | 1       |
| Cyclohexane                           | ND          | vs          | 6.5 | 0.92 | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:06 | 1       |
| Dichlorodifluoromethane               | ND          | vs          | 6.5 | 0.54 | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:06 | 1       |
| <b>Ethylbenzene</b>                   | <b>0.57</b> | <b>J vs</b> | 6.5 | 0.45 | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:06 | 1       |
| <b>Isopropylbenzene</b>               | <b>2.6</b>  | <b>J vs</b> | 6.5 | 0.99 | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:06 | 1       |
| Methyl acetate                        | ND          | vs          | 33  | 3.9  | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:06 | 1       |
| Methyl tert-butyl ether               | ND          | vs          | 6.5 | 0.64 | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:06 | 1       |
| Methylcyclohexane                     | ND          | vs          | 6.5 | 0.99 | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:06 | 1       |
| <b>Methylene Chloride</b>             | <b>6.8</b>  | <b>vs</b>   | 6.5 | 3.0  | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:06 | 1       |
| Styrene                               | ND          | vs          | 6.5 | 0.33 | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:06 | 1       |
| Tetrachloroethene                     | ND          | vs          | 6.5 | 0.88 | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:06 | 1       |
| Toluene                               | ND          | vs          | 6.5 | 0.49 | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:06 | 1       |
| trans-1,2-Dichloroethene              | ND          | vs          | 6.5 | 0.67 | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:06 | 1       |
| trans-1,3-Dichloropropene             | ND          | vs          | 6.5 | 2.9  | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:06 | 1       |
| Trichloroethene                       | ND          | vs          | 6.5 | 1.4  | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:06 | 1       |
| Trichlorofluoromethane                | ND          | vs          | 6.5 | 0.62 | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:06 | 1       |
| Vinyl chloride                        | ND          | vs          | 6.5 | 0.80 | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:06 | 1       |
| <b>Xylenes, Total</b>                 | <b>39</b>   | <b>vs</b>   | 13  | 1.1  | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:06 | 1       |

Eurofins TestAmerica, Buffalo

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-185711-1

**Client Sample ID: TT01-5.5-7.0-210607**

**Lab Sample ID: 480-185711-2**

**Date Collected: 06/07/21 10:00**

**Matrix: Solid**

**Date Received: 06/07/21 14:10**

**Percent Solids: 76.0**

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 109       |           | 64 - 126 | 06/09/21 21:30 | 06/10/21 15:06 | 1       |
| Toluene-d8 (Surr)            | 95        |           | 71 - 125 | 06/09/21 21:30 | 06/10/21 15:06 | 1       |
| 4-Bromofluorobenzene (Surr)  | 97        |           | 72 - 126 | 06/09/21 21:30 | 06/10/21 15:06 | 1       |

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

| Analyte                            | Result     | Qualifier | RL   | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|------------------------------------|------------|-----------|------|------|-------|---|----------------|----------------|---------|
| 2,4,5-Trichlorophenol              | ND         |           | 220  | 60   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:34 | 1       |
| 2,4,6-Trichlorophenol              | ND         |           | 220  | 44   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:34 | 1       |
| 2,4-Dichlorophenol                 | ND         |           | 220  | 23   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:34 | 1       |
| 2,4-Dimethylphenol                 | ND         |           | 220  | 53   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:34 | 1       |
| 2,4-Dinitrophenol                  | ND         |           | 2200 | 1000 | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:34 | 1       |
| 2,4-Dinitrotoluene                 | ND         |           | 220  | 46   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:34 | 1       |
| 2,6-Dinitrotoluene                 | ND         |           | 220  | 26   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:34 | 1       |
| 2-Chloronaphthalene                | ND         |           | 220  | 36   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:34 | 1       |
| 2-Chlorophenol                     | ND         |           | 430  | 40   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:34 | 1       |
| 2-Methylnaphthalene                | ND         |           | 220  | 44   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:34 | 1       |
| 2-Methylphenol                     | ND         |           | 220  | 26   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:34 | 1       |
| 2-Nitroaniline                     | ND         |           | 430  | 33   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:34 | 1       |
| 2-Nitrophenol                      | ND         |           | 220  | 63   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:34 | 1       |
| 3,3'-Dichlorobenzidine             | ND         |           | 430  | 260  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:34 | 1       |
| 3-Nitroaniline                     | ND         |           | 430  | 61   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:34 | 1       |
| 4,6-Dinitro-2-methylphenol         | ND         |           | 430  | 220  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:34 | 1       |
| 4-Bromophenyl phenyl ether         | ND         |           | 220  | 31   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:34 | 1       |
| 4-Chloro-3-methylphenol            | ND         |           | 220  | 55   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:34 | 1       |
| 4-Chloroaniline                    | ND         |           | 220  | 55   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:34 | 1       |
| 4-Chlorophenyl phenyl ether        | ND         |           | 220  | 27   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:34 | 1       |
| 4-Methylphenol                     | ND         |           | 430  | 26   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:34 | 1       |
| 4-Nitroaniline                     | ND         |           | 430  | 120  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:34 | 1       |
| 4-Nitrophenol                      | ND         |           | 430  | 160  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:34 | 1       |
| Acenaphthene                       | ND         |           | 220  | 33   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:34 | 1       |
| Acenaphthylene                     | ND         |           | 220  | 29   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:34 | 1       |
| Acetophenone                       | ND         |           | 220  | 30   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:34 | 1       |
| Anthracene                         | ND         |           | 220  | 55   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:34 | 1       |
| Atrazine                           | ND         |           | 220  | 77   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:34 | 1       |
| Benzaldehyde                       | ND         |           | 220  | 180  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:34 | 1       |
| Benzo(a)anthracene                 | ND         |           | 220  | 22   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:34 | 1       |
| Benzo(a)pyrene                     | ND         |           | 220  | 33   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:34 | 1       |
| Benzo(b)fluoranthene               | ND         |           | 220  | 35   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:34 | 1       |
| Benzo(g,h,i)perylene               | ND         |           | 220  | 23   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:34 | 1       |
| Benzo(k)fluoranthene               | ND         |           | 220  | 29   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:34 | 1       |
| Benzoic acid                       | ND         |           | 6300 | 2000 | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:34 | 1       |
| Biphenyl                           | ND         |           | 220  | 33   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:34 | 1       |
| bis (2-chloroisopropyl) ether      | ND         |           | 220  | 44   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:34 | 1       |
| Bis(2-chloroethoxy)methane         | ND         |           | 220  | 47   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:34 | 1       |
| Bis(2-chloroethyl)ether            | ND         |           | 220  | 29   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:34 | 1       |
| <b>Bis(2-ethylhexyl) phthalate</b> | <b>700</b> |           | 220  | 76   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:34 | 1       |
| Butyl benzyl phthalate             | ND         |           | 220  | 36   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:34 | 1       |
| Caprolactam                        | ND         |           | 220  | 66   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:34 | 1       |
| Carbazole                          | ND         |           | 220  | 26   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:34 | 1       |
| Chrysene                           | ND         |           | 220  | 50   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:34 | 1       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-185711-1

Client Sample ID: TT01-5.5-7.0-210607

Lab Sample ID: 480-185711-2

Date Collected: 06/07/21 10:00

Matrix: Solid

Date Received: 06/07/21 14:10

Percent Solids: 76.0

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

| Analyte                   | Result | Qualifier | RL  | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------------|--------|-----------|-----|-----|-------|---|----------------|----------------|---------|
| Dibenz(a,h)anthracene     | ND     |           | 220 | 39  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:34 | 1       |
| Dibenzofuran              | ND     |           | 220 | 26  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:34 | 1       |
| Diethyl phthalate         | ND     |           | 220 | 29  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:34 | 1       |
| Dimethyl phthalate        | ND     |           | 220 | 26  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:34 | 1       |
| Di-n-butyl phthalate      | ND     |           | 220 | 38  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:34 | 1       |
| Di-n-octyl phthalate      | ND     |           | 220 | 26  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:34 | 1       |
| Fluoranthene              | ND     |           | 220 | 23  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:34 | 1       |
| Fluorene                  | ND     |           | 220 | 26  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:34 | 1       |
| Hexachlorobenzene         | ND     |           | 220 | 30  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:34 | 1       |
| Hexachlorobutadiene       | ND     |           | 220 | 33  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:34 | 1       |
| Hexachlorocyclopentadiene | ND     |           | 220 | 30  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:34 | 1       |
| Hexachloroethane          | ND     |           | 220 | 29  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:34 | 1       |
| Indeno(1,2,3-cd)pyrene    | ND     |           | 220 | 27  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:34 | 1       |
| Isophorone                | ND     |           | 220 | 47  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:34 | 1       |
| Naphthalene               | ND     |           | 220 | 29  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:34 | 1       |
| Nitrobenzene              | ND     |           | 220 | 25  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:34 | 1       |
| N-Nitrosodi-n-propylamine | ND     |           | 220 | 38  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:34 | 1       |
| N-Nitrosodiphenylamine    | ND     |           | 220 | 180 | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:34 | 1       |
| Pentachlorophenol         | ND     |           | 430 | 220 | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:34 | 1       |
| Phenanthrene              | ND     |           | 220 | 33  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:34 | 1       |
| Phenol                    | ND     |           | 220 | 34  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:34 | 1       |
| Pyrene                    | ND     |           | 220 | 26  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:34 | 1       |

| Surrogate            | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 2,4,6-Tribromophenol | 90        |           | 54 - 120 | 06/08/21 15:17 | 06/16/21 16:34 | 1       |
| 2-Fluorobiphenyl     | 85        |           | 60 - 120 | 06/08/21 15:17 | 06/16/21 16:34 | 1       |
| 2-Fluorophenol       | 77        |           | 52 - 120 | 06/08/21 15:17 | 06/16/21 16:34 | 1       |
| Nitrobenzene-d5      | 76        |           | 53 - 120 | 06/08/21 15:17 | 06/16/21 16:34 | 1       |
| Phenol-d5            | 77        |           | 54 - 120 | 06/08/21 15:17 | 06/16/21 16:34 | 1       |
| p-Terphenyl-d14      | 88        |           | 79 - 130 | 06/08/21 15:17 | 06/16/21 16:34 | 1       |

## Method: 8081B - Organochlorine Pesticides (GC)

| Analyte             | Result | Qualifier | RL  | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|--------|-----------|-----|------|-------|---|----------------|----------------|---------|
| 4,4'-DDE            | ND     |           | 2.2 | 0.45 | ug/Kg | ☆ | 06/14/21 08:11 | 06/15/21 15:50 | 1       |
| 4,4'-DDT            | 2.2    | 1.1 J U   | 2.2 | 0.51 | ug/Kg | ☆ | 06/14/21 08:11 | 06/15/21 15:50 | 1       |
| Aldrin              | ND     |           | 2.2 | 0.53 | ug/Kg | ☆ | 06/14/21 08:11 | 06/15/21 15:50 | 1       |
| alpha-BHC           | ND     |           | 2.2 | 0.39 | ug/Kg | ☆ | 06/14/21 08:11 | 06/15/21 15:50 | 1       |
| cis-Chlordane       | ND     |           | 2.2 | 1.1  | ug/Kg | ☆ | 06/14/21 08:11 | 06/15/21 15:50 | 1       |
| beta-BHC            | ND     |           | 2.2 | 0.39 | ug/Kg | ☆ | 06/14/21 08:11 | 06/15/21 15:50 | 1       |
| delta-BHC           | ND     |           | 2.2 | 0.40 | ug/Kg | ☆ | 06/14/21 08:11 | 06/15/21 15:50 | 1       |
| Dieldrin            | 0.72   | J J       | 2.2 | 0.52 | ug/Kg | ☆ | 06/14/21 08:11 | 06/15/21 15:50 | 1       |
| Endosulfan I        | ND     |           | 2.2 | 0.42 | ug/Kg | ☆ | 06/14/21 08:11 | 06/15/21 15:50 | 1       |
| Endosulfan II       | ND     |           | 2.2 | 0.39 | ug/Kg | ☆ | 06/14/21 08:11 | 06/15/21 15:50 | 1       |
| Endosulfan sulfate  | ND     |           | 2.2 | 0.40 | ug/Kg | ☆ | 06/14/21 08:11 | 06/15/21 15:50 | 1       |
| Endrin              | ND     |           | 2.2 | 0.43 | ug/Kg | ☆ | 06/14/21 08:11 | 06/15/21 15:50 | 1       |
| Endrin aldehyde     | 0.99   | J         | 2.2 | 0.55 | ug/Kg | ☆ | 06/14/21 08:11 | 06/15/21 15:50 | 1       |
| Endrin ketone       | ND     |           | 2.2 | 0.53 | ug/Kg | ☆ | 06/14/21 08:11 | 06/15/21 15:50 | 1       |
| gamma-BHC (Lindane) | ND     |           | 2.2 | 0.40 | ug/Kg | ☆ | 06/14/21 08:11 | 06/15/21 15:50 | 1       |
| trans-Chlordane     | ND     |           | 2.2 | 0.69 | ug/Kg | ☆ | 06/14/21 08:11 | 06/15/21 15:50 | 1       |
| Heptachlor          | ND     |           | 2.2 | 0.47 | ug/Kg | ☆ | 06/14/21 08:11 | 06/15/21 15:50 | 1       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-185711-1

Client Sample ID: TT01-5.5-7.0-210607

Lab Sample ID: 480-185711-2

Date Collected: 06/07/21 10:00

Matrix: Solid

Date Received: 06/07/21 14:10

Percent Solids: 76.0

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

| Analyte            | Result | Qualifier | RL  | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------|--------|-----------|-----|------|-------|---|----------------|----------------|---------|
| Heptachlor epoxide | ND     |           | 2.2 | 0.56 | ug/Kg | ☆ | 06/14/21 08:11 | 06/15/21 15:50 | 1       |
| Methoxychlor       | ND     |           | 2.2 | 0.44 | ug/Kg | ☆ | 06/14/21 08:11 | 06/15/21 15:50 | 1       |
| Toxaphene          | ND     |           | 22  | 13   | ug/Kg | ☆ | 06/14/21 08:11 | 06/15/21 15:50 | 1       |
| 4,4'-DDD           | 10     |           | 2.2 | 0.42 | ug/Kg | ☆ | 06/14/21 08:11 | 06/15/21 15:50 | 1       |
| Mirex              | ND     |           | 2.2 | 0.53 | ug/Kg | ☆ | 06/14/21 08:11 | 06/15/21 15:50 | 1       |

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| DCB Decachlorobiphenyl | 91        |           | 45 - 120 | 06/14/21 08:11 | 06/15/21 15:50 | 1       |
| DCB Decachlorobiphenyl | 72        |           | 45 - 120 | 06/14/21 08:11 | 06/15/21 15:50 | 1       |
| Tetrachloro-m-xylene   | 78        |           | 30 - 124 | 06/14/21 08:11 | 06/15/21 15:50 | 1       |
| Tetrachloro-m-xylene   | 58        |           | 30 - 124 | 06/14/21 08:11 | 06/15/21 15:50 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| PCB-1016 | ND     |           | 0.25 | 0.049 | mg/Kg | ☆ | 06/14/21 07:19 | 06/14/21 20:10 | 1       |
| PCB-1221 | ND     |           | 0.25 | 0.049 | mg/Kg | ☆ | 06/14/21 07:19 | 06/14/21 20:10 | 1       |
| PCB-1232 | ND     |           | 0.25 | 0.049 | mg/Kg | ☆ | 06/14/21 07:19 | 06/14/21 20:10 | 1       |
| PCB-1242 | 0.056  | J         | 0.25 | 0.049 | mg/Kg | ☆ | 06/14/21 07:19 | 06/14/21 20:10 | 1       |
| PCB-1248 | ND     |           | 0.25 | 0.049 | mg/Kg | ☆ | 06/14/21 07:19 | 06/14/21 20:10 | 1       |
| PCB-1254 | ND     |           | 0.25 | 0.12  | mg/Kg | ☆ | 06/14/21 07:19 | 06/14/21 20:10 | 1       |
| PCB-1260 | ND     |           | 0.25 | 0.12  | mg/Kg | ☆ | 06/14/21 07:19 | 06/14/21 20:10 | 1       |
| PCB-1262 | ND     |           | 0.25 | 0.12  | mg/Kg | ☆ | 06/14/21 07:19 | 06/14/21 20:10 | 1       |
| PCB-1268 | ND     |           | 0.25 | 0.12  | mg/Kg | ☆ | 06/14/21 07:19 | 06/14/21 20:10 | 1       |

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| Tetrachloro-m-xylene   | 104       |           | 60 - 154 | 06/14/21 07:19 | 06/14/21 20:10 | 1       |
| Tetrachloro-m-xylene   | 107       |           | 60 - 154 | 06/14/21 07:19 | 06/14/21 20:10 | 1       |
| DCB Decachlorobiphenyl | 84        |           | 65 - 174 | 06/14/21 07:19 | 06/14/21 20:10 | 1       |
| DCB Decachlorobiphenyl | 83        |           | 65 - 174 | 06/14/21 07:19 | 06/14/21 20:10 | 1       |

## Method: 6010C - Metals (ICP)

| Analyte   | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| Aluminum  | 12600  |           | 13.8 | 6.1   | mg/Kg | ☆ | 06/09/21 16:49 | 06/10/21 17:02 | 1       |
| Antimony  | ND     |           | 20.7 | 0.55  | mg/Kg | ☆ | 06/09/21 16:49 | 06/10/21 17:02 | 1       |
| Arsenic   | 2.9    |           | 2.8  | 0.55  | mg/Kg | ☆ | 06/09/21 16:49 | 06/10/21 17:02 | 1       |
| Barium    | 74.8   |           | 0.69 | 0.15  | mg/Kg | ☆ | 06/09/21 16:49 | 06/10/21 17:02 | 1       |
| Beryllium | 0.58   |           | 0.28 | 0.039 | mg/Kg | ☆ | 06/09/21 16:49 | 06/10/21 17:02 | 1       |
| Cadmium   | 0.51   | J         | 0.28 | 0.041 | mg/Kg | ☆ | 06/09/21 16:49 | 06/10/21 17:02 | 1       |
| Calcium   | 40800  | B         | 68.9 | 4.5   | mg/Kg | ☆ | 06/09/21 16:49 | 06/10/21 17:02 | 1       |
| Chromium  | 17.2   |           | 0.69 | 0.28  | mg/Kg | ☆ | 06/09/21 16:49 | 06/10/21 17:02 | 1       |
| Cobalt    | 7.1    |           | 0.69 | 0.069 | mg/Kg | ☆ | 06/09/21 16:49 | 06/10/21 17:02 | 1       |
| Copper    | 22.7   |           | 1.4  | 0.29  | mg/Kg | ☆ | 06/09/21 16:49 | 06/10/21 17:02 | 1       |
| Iron      | 18300  |           | 13.8 | 4.8   | mg/Kg | ☆ | 06/09/21 16:49 | 06/10/21 17:02 | 1       |
| Lead      | 41.5   | J         | 1.4  | 0.33  | mg/Kg | ☆ | 06/09/21 16:49 | 06/10/21 17:02 | 1       |
| Magnesium | 12100  | B         | 27.6 | 1.3   | mg/Kg | ☆ | 06/09/21 16:49 | 06/10/21 17:02 | 1       |
| Manganese | 332    | B ^+ J    | 0.28 | 0.044 | mg/Kg | ☆ | 06/09/21 16:49 | 06/10/21 17:02 | 1       |
| Nickel    | 18.0   |           | 6.9  | 0.32  | mg/Kg | ☆ | 06/09/21 16:49 | 06/10/21 17:02 | 1       |
| Potassium | 2630   |           | 41.3 | 27.6  | mg/Kg | ☆ | 06/09/21 16:49 | 06/10/21 17:02 | 1       |
| Selenium  | ND     |           | 5.5  | 0.55  | mg/Kg | ☆ | 06/09/21 16:49 | 06/10/21 17:02 | 1       |
| Silver    | ND     |           | 0.83 | 0.28  | mg/Kg | ☆ | 06/09/21 16:49 | 06/10/21 17:02 | 1       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-185711-1

**Client Sample ID: TT01-5.5-7.0-210607**

**Lab Sample ID: 480-185711-2**

**Date Collected: 06/07/21 10:00**

**Matrix: Solid**

**Date Received: 06/07/21 14:10**

**Percent Solids: 76.0**

## Method: 6010C - Metals (ICP) (Continued)

| Analyte  | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------|-----------|------|------|-------|---|----------------|----------------|---------|
| Sodium   | 221    | B         | 193  | 17.9 | mg/Kg | ✱ | 06/09/21 16:49 | 06/10/21 17:02 | 1       |
| Thallium | ND     |           | 8.3  | 0.41 | mg/Kg | ✱ | 06/09/21 16:49 | 06/10/21 17:02 | 1       |
| Vanadium | 25.5   |           | 0.69 | 0.15 | mg/Kg | ✱ | 06/09/21 16:49 | 06/10/21 17:02 | 1       |
| Zinc     | 89.3   |           | 2.8  | 0.88 | mg/Kg | ✱ | 06/09/21 16:49 | 06/10/21 17:02 | 1       |

## Method: 7471B - Mercury (CVAA)

| Analyte | Result | Qualifier | RL    | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------|--------|-----------|-------|-------|-------|---|----------------|----------------|---------|
| Mercury | 0.040  |           | 0.025 | 0.010 | mg/Kg | ✱ | 06/16/21 12:25 | 06/16/21 14:40 | 1       |

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-185711-1

Client Sample ID: TT51-5.5-7.0-210607

Lab Sample ID: 480-185711-3

Date Collected: 06/07/21 08:00

Matrix: Solid

Date Received: 06/07/21 14:10

Percent Solids: 78.9

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

| Analyte                               | Result | Qualifier | RL  | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------------------------|--------|-----------|-----|------|-------|---|----------------|----------------|---------|
| 1,1,1-Trichloroethane                 | ND     | vs        | 6.1 | 0.44 | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:30 | 1       |
| 1,1,2,2-Tetrachloroethane             | ND     | vs        | 6.1 | 0.99 | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:30 | 1       |
| 1,1,2-Trichloroethane                 | ND     | vs        | 6.1 | 0.80 | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:30 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND     | vs        | 6.1 | 1.4  | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:30 | 1       |
| 1,1-Dichloroethane                    | ND     | vs        | 6.1 | 0.75 | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:30 | 1       |
| 1,1-Dichloroethene                    | ND     | vs        | 6.1 | 0.75 | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:30 | 1       |
| 1,2,4-Trichlorobenzene                | ND     | vs        | 6.1 | 0.37 | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:30 | 1       |
| 1,2-Dibromo-3-Chloropropane           | ND     | vs        | 6.1 | 3.1  | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:30 | 1       |
| 1,2-Dibromoethane                     | ND     | vs        | 6.1 | 0.79 | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:30 | 1       |
| 1,2-Dichlorobenzene                   | ND     | vs        | 6.1 | 0.48 | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:30 | 1       |
| 1,2-Dichloroethane                    | ND     | vs        | 6.1 | 0.31 | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:30 | 1       |
| 1,2-Dichloropropane                   | ND     | vs        | 6.1 | 3.1  | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:30 | 1       |
| 1,3-Dichlorobenzene                   | ND     | vs        | 6.1 | 0.31 | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:30 | 1       |
| 1,4-Dichlorobenzene                   | 1.6    | J vs      | 6.1 | 0.86 | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:30 | 1       |
| 2-Hexanone                            | ND     | vs        | 31  | 3.1  | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:30 | 1       |
| 2-Butanone (MEK)                      | ND     | vs        | 31  | 2.2  | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:30 | 1       |
| 4-Methyl-2-pentanone (MIBK)           | ND     | vs        | 31  | 2.0  | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:30 | 1       |
| Acetone                               | ND     | vs        | 31  | 5.2  | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:30 | 1       |
| Benzene                               | ND     | vs        | 6.1 | 0.30 | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:30 | 1       |
| Bromodichloromethane                  | ND     | vs        | 6.1 | 0.82 | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:30 | 1       |
| Bromoform                             | ND     | vs        | 6.1 | 3.1  | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:30 | 1       |
| Bromomethane                          | ND     | vs UJ     | 6.1 | 0.55 | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:30 | 1       |
| Carbon disulfide                      | ND     | vs        | 6.1 | 3.1  | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:30 | 1       |
| Carbon tetrachloride                  | ND     | vs        | 6.1 | 0.59 | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:30 | 1       |
| Chlorobenzene                         | 0.92   | J vs      | 6.1 | 0.81 | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:30 | 1       |
| Dibromochloromethane                  | ND     | vs        | 6.1 | 0.78 | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:30 | 1       |
| Chloroethane                          | ND     | *+ vs UJ  | 6.1 | 1.4  | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:30 | 1       |
| Chloroform                            | ND     | vs        | 6.1 | 0.38 | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:30 | 1       |
| Chloromethane                         | ND     | vs        | 6.1 | 0.37 | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:30 | 1       |
| cis-1,2-Dichloroethene                | ND     | vs        | 6.1 | 0.78 | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:30 | 1       |
| cis-1,3-Dichloropropene               | ND     | vs        | 6.1 | 0.88 | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:30 | 1       |
| Cyclohexane                           | ND     | vs        | 6.1 | 0.86 | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:30 | 1       |
| Dichlorodifluoromethane               | ND     | vs UJ     | 6.1 | 0.51 | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:30 | 1       |
| Ethylbenzene                          | ND     | vs        | 6.1 | 0.42 | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:30 | 1       |
| Isopropylbenzene                      | ND     | vs        | 6.1 | 0.92 | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:30 | 1       |
| Methyl acetate                        | ND     | vs        | 31  | 3.7  | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:30 | 1       |
| Methyl tert-butyl ether               | ND     | vs        | 6.1 | 0.60 | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:30 | 1       |
| Methylcyclohexane                     | ND     | vs        | 6.1 | 0.93 | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:30 | 1       |
| Methylene Chloride                    | ND     | vs        | 6.1 | 2.8  | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:30 | 1       |
| Styrene                               | ND     | vs        | 6.1 | 0.31 | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:30 | 1       |
| Tetrachloroethene                     | ND     | vs        | 6.1 | 0.82 | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:30 | 1       |
| Toluene                               | ND     | vs        | 6.1 | 0.46 | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:30 | 1       |
| trans-1,2-Dichloroethene              | ND     | vs        | 6.1 | 0.63 | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:30 | 1       |
| trans-1,3-Dichloropropene             | ND     | vs        | 6.1 | 2.7  | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:30 | 1       |
| Trichloroethene                       | ND     | vs        | 6.1 | 1.3  | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:30 | 1       |
| Trichlorofluoromethane                | ND     | vs UJ     | 6.1 | 0.58 | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:30 | 1       |
| Vinyl chloride                        | ND     | vs UJ     | 6.1 | 0.75 | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:30 | 1       |
| Xylenes, Total                        | 2.0    | J vs      | 12  | 1.0  | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:30 | 1       |

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ALH 8/2/21

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-185711-1

**Client Sample ID: TT51-5.5-7.0-210607**

**Lab Sample ID: 480-185711-3**

**Date Collected: 06/07/21 08:00**

**Matrix: Solid**

**Date Received: 06/07/21 14:10**

**Percent Solids: 78.9**

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 108       |           | 64 - 126 | 06/09/21 21:30 | 06/10/21 15:30 | 1       |
| Toluene-d8 (Surr)            | 98        |           | 71 - 125 | 06/09/21 21:30 | 06/10/21 15:30 | 1       |
| 4-Bromofluorobenzene (Surr)  | 95        |           | 72 - 126 | 06/09/21 21:30 | 06/10/21 15:30 | 1       |

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

| Analyte                            | Result     | Qualifier | RL   | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|------------------------------------|------------|-----------|------|------|-------|---|----------------|----------------|---------|
| 2,4,5-Trichlorophenol              | ND         |           | 210  | 57   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:58 | 1       |
| 2,4,6-Trichlorophenol              | ND         |           | 210  | 42   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:58 | 1       |
| 2,4-Dichlorophenol                 | ND         |           | 210  | 22   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:58 | 1       |
| 2,4-Dimethylphenol                 | ND         |           | 210  | 50   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:58 | 1       |
| 2,4-Dinitrophenol                  | ND         |           | 2000 | 960  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:58 | 1       |
| 2,4-Dinitrotoluene                 | ND         |           | 210  | 43   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:58 | 1       |
| 2,6-Dinitrotoluene                 | ND         |           | 210  | 25   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:58 | 1       |
| 2-Chloronaphthalene                | ND         |           | 210  | 34   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:58 | 1       |
| 2-Chlorophenol                     | ND         |           | 410  | 38   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:58 | 1       |
| 2-Methylnaphthalene                | ND         |           | 210  | 42   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:58 | 1       |
| 2-Methylphenol                     | ND         |           | 210  | 25   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:58 | 1       |
| 2-Nitroaniline                     | ND         |           | 410  | 31   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:58 | 1       |
| 2-Nitrophenol                      | ND         |           | 210  | 59   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:58 | 1       |
| 3,3'-Dichlorobenzidine             | ND         |           | 410  | 250  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:58 | 1       |
| 3-Nitroaniline                     | ND         |           | 410  | 58   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:58 | 1       |
| 4,6-Dinitro-2-methylphenol         | ND         |           | 410  | 210  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:58 | 1       |
| 4-Bromophenyl phenyl ether         | ND         |           | 210  | 30   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:58 | 1       |
| 4-Chloro-3-methylphenol            | ND         |           | 210  | 52   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:58 | 1       |
| 4-Chloroaniline                    | ND         |           | 210  | 52   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:58 | 1       |
| 4-Chlorophenyl phenyl ether        | ND         |           | 210  | 26   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:58 | 1       |
| 4-Methylphenol                     | ND         |           | 410  | 25   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:58 | 1       |
| 4-Nitroaniline                     | ND         |           | 410  | 110  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:58 | 1       |
| 4-Nitrophenol                      | ND         |           | 410  | 150  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:58 | 1       |
| Acenaphthene                       | ND         |           | 210  | 31   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:58 | 1       |
| Acenaphthylene                     | ND         |           | 210  | 27   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:58 | 1       |
| Acetophenone                       | ND         |           | 210  | 28   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:58 | 1       |
| Anthracene                         | ND         |           | 210  | 52   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:58 | 1       |
| Atrazine                           | ND         |           | 210  | 73   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:58 | 1       |
| Benzaldehyde                       | ND         |           | 210  | 170  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:58 | 1       |
| Benzo(a)anthracene                 | ND         |           | 210  | 21   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:58 | 1       |
| Benzo(a)pyrene                     | ND         |           | 210  | 31   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:58 | 1       |
| Benzo(b)fluoranthene               | ND         |           | 210  | 33   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:58 | 1       |
| Benzo(g,h,i)perylene               | ND         |           | 210  | 22   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:58 | 1       |
| Benzo(k)fluoranthene               | ND         |           | 210  | 27   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:58 | 1       |
| Benzoic acid                       | ND         |           | 5900 | 1800 | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:58 | 1       |
| Biphenyl                           | ND         |           | 210  | 31   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:58 | 1       |
| bis (2-chloroisopropyl) ether      | ND         |           | 210  | 42   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:58 | 1       |
| Bis(2-chloroethoxy)methane         | ND         |           | 210  | 44   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:58 | 1       |
| Bis(2-chloroethyl)ether            | ND         |           | 210  | 27   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:58 | 1       |
| <b>Bis(2-ethylhexyl) phthalate</b> | <b>540</b> |           | 210  | 71   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:58 | 1       |
| Butyl benzyl phthalate             | ND         |           | 210  | 34   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:58 | 1       |
| Caprolactam                        | ND         |           | 210  | 63   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:58 | 1       |
| Carbazole                          | ND         |           | 210  | 25   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:58 | 1       |
| Chrysene                           | ND         |           | 210  | 47   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:58 | 1       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-185711-1

Client Sample ID: TT51-5.5-7.0-210607

Lab Sample ID: 480-185711-3

Date Collected: 06/07/21 08:00

Matrix: Solid

Date Received: 06/07/21 14:10

Percent Solids: 78.9

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

| Analyte                   | Result | Qualifier | RL  | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------------|--------|-----------|-----|-----|-------|---|----------------|----------------|---------|
| Dibenz(a,h)anthracene     | ND     |           | 210 | 37  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:58 | 1       |
| Dibenzofuran              | ND     |           | 210 | 25  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:58 | 1       |
| Diethyl phthalate         | ND     |           | 210 | 27  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:58 | 1       |
| Dimethyl phthalate        | ND     |           | 210 | 25  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:58 | 1       |
| Di-n-butyl phthalate      | 67     | J         | 210 | 36  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:58 | 1       |
| Di-n-octyl phthalate      | ND     |           | 210 | 25  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:58 | 1       |
| Fluoranthene              | ND     |           | 210 | 22  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:58 | 1       |
| Fluorene                  | ND     |           | 210 | 25  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:58 | 1       |
| Hexachlorobenzene         | ND     |           | 210 | 28  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:58 | 1       |
| Hexachlorobutadiene       | ND     |           | 210 | 31  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:58 | 1       |
| Hexachlorocyclopentadiene | ND     |           | 210 | 28  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:58 | 1       |
| Hexachloroethane          | ND     |           | 210 | 27  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:58 | 1       |
| Indeno(1,2,3-cd)pyrene    | ND     |           | 210 | 26  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:58 | 1       |
| Isophorone                | ND     |           | 210 | 44  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:58 | 1       |
| Naphthalene               | ND     |           | 210 | 27  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:58 | 1       |
| Nitrobenzene              | ND     |           | 210 | 23  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:58 | 1       |
| N-Nitrosodi-n-propylamine | ND     |           | 210 | 36  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:58 | 1       |
| N-Nitrosodiphenylamine    | ND     |           | 210 | 170 | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:58 | 1       |
| Pentachlorophenol         | ND     |           | 410 | 210 | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:58 | 1       |
| Phenanthrene              | ND     |           | 210 | 31  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:58 | 1       |
| Phenol                    | ND     |           | 210 | 32  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:58 | 1       |
| Pyrene                    | ND     |           | 210 | 25  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:58 | 1       |

| Surrogate            | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 2,4,6-Tribromophenol | 99        |           | 54 - 120 | 06/08/21 15:17 | 06/16/21 16:58 | 1       |
| 2-Fluorobiphenyl     | 93        |           | 60 - 120 | 06/08/21 15:17 | 06/16/21 16:58 | 1       |
| 2-Fluorophenol       | 78        |           | 52 - 120 | 06/08/21 15:17 | 06/16/21 16:58 | 1       |
| Nitrobenzene-d5      | 79        |           | 53 - 120 | 06/08/21 15:17 | 06/16/21 16:58 | 1       |
| Phenol-d5            | 74        |           | 54 - 120 | 06/08/21 15:17 | 06/16/21 16:58 | 1       |
| p-Terphenyl-d14      | 98        |           | 79 - 130 | 06/08/21 15:17 | 06/16/21 16:58 | 1       |

## Method: 8081B - Organochlorine Pesticides (GC)

| Analyte             | Result | Qualifier | RL | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|--------|-----------|----|-----|-------|---|----------------|----------------|---------|
| 4,4'-DDE            | 5.2    | J J       | 21 | 4.4 | ug/Kg | ☆ | 06/14/21 08:11 | 06/15/21 16:10 | 10      |
| 4,4'-DDT            | 49     |           | 21 | 4.9 | ug/Kg | ☆ | 06/14/21 08:11 | 06/15/21 16:10 | 10      |
| Aldrin              | ND     |           | 21 | 5.1 | ug/Kg | ☆ | 06/14/21 08:11 | 06/15/21 16:10 | 10      |
| alpha-BHC           | ND     |           | 21 | 3.7 | ug/Kg | ☆ | 06/14/21 08:11 | 06/15/21 16:10 | 10      |
| cis-Chlordane       | ND     |           | 21 | 10  | ug/Kg | ☆ | 06/14/21 08:11 | 06/15/21 16:10 | 10      |
| beta-BHC            | ND     |           | 21 | 3.7 | ug/Kg | ☆ | 06/14/21 08:11 | 06/15/21 16:10 | 10      |
| delta-BHC           | ND     |           | 21 | 3.9 | ug/Kg | ☆ | 06/14/21 08:11 | 06/15/21 16:10 | 10      |
| Dieldrin            | ND     |           | 21 | 5.0 | ug/Kg | ☆ | 06/14/21 08:11 | 06/15/21 16:10 | 10      |
| Endosulfan I        | ND     |           | 21 | 4.0 | ug/Kg | ☆ | 06/14/21 08:11 | 06/15/21 16:10 | 10      |
| Endosulfan II       | ND     |           | 21 | 3.7 | ug/Kg | ☆ | 06/14/21 08:11 | 06/15/21 16:10 | 10      |
| Endosulfan sulfate  | ND     |           | 21 | 3.9 | ug/Kg | ☆ | 06/14/21 08:11 | 06/15/21 16:10 | 10      |
| Endrin              | ND     |           | 21 | 4.1 | ug/Kg | ☆ | 06/14/21 08:11 | 06/15/21 16:10 | 10      |
| Endrin aldehyde     | ND     |           | 21 | 5.3 | ug/Kg | ☆ | 06/14/21 08:11 | 06/15/21 16:10 | 10      |
| Endrin ketone       | ND     |           | 21 | 5.1 | ug/Kg | ☆ | 06/14/21 08:11 | 06/15/21 16:10 | 10      |
| gamma-BHC (Lindane) | ND     |           | 21 | 3.8 | ug/Kg | ☆ | 06/14/21 08:11 | 06/15/21 16:10 | 10      |
| trans-Chlordane     | ND     |           | 21 | 6.6 | ug/Kg | ☆ | 06/14/21 08:11 | 06/15/21 16:10 | 10      |
| Heptachlor          | ND     |           | 21 | 4.5 | ug/Kg | ☆ | 06/14/21 08:11 | 06/15/21 16:10 | 10      |

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ALH 8/2/21

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-185711-1

Client Sample ID: TT51-5.5-7.0-210607

Lab Sample ID: 480-185711-3

Date Collected: 06/07/21 08:00

Matrix: Solid

Date Received: 06/07/21 14:10

Percent Solids: 78.9

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

| Analyte            | Result     | Qualifier | RL  | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------|------------|-----------|-----|-----|-------|---|----------------|----------------|---------|
| Heptachlor epoxide | ND         |           | 21  | 5.3 | ug/Kg | ☆ | 06/14/21 08:11 | 06/15/21 16:10 | 10      |
| Methoxychlor       | ND         |           | 21  | 4.2 | ug/Kg | ☆ | 06/14/21 08:11 | 06/15/21 16:10 | 10      |
| Toxaphene          | ND         |           | 210 | 120 | ug/Kg | ☆ | 06/14/21 08:11 | 06/15/21 16:10 | 10      |
| <b>4,4'-DDD</b>    | <b>170</b> |           | 21  | 4.0 | ug/Kg | ☆ | 06/14/21 08:11 | 06/15/21 16:10 | 10      |
| Mirex              | ND         |           | 21  | 5.1 | ug/Kg | ☆ | 06/14/21 08:11 | 06/15/21 16:10 | 10      |

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| DCB Decachlorobiphenyl | 0         | S1-       | 45 - 120 | 06/14/21 08:11 | 06/15/21 16:10 | 10      |
| DCB Decachlorobiphenyl | 0         | S1-       | 45 - 120 | 06/14/21 08:11 | 06/15/21 16:10 | 10      |
| Tetrachloro-m-xylene   | 0         | S1-       | 30 - 124 | 06/14/21 08:11 | 06/15/21 16:10 | 10      |
| Tetrachloro-m-xylene   | 0         | S1-       | 30 - 124 | 06/14/21 08:11 | 06/15/21 16:10 | 10      |

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

| Analyte         | Result       | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------|--------------|-----------|------|-------|-------|---|----------------|----------------|---------|
| PCB-1016        | ND           |           | 0.26 | 0.051 | mg/Kg | ☆ | 06/14/21 07:19 | 06/14/21 20:23 | 1       |
| PCB-1221        | ND           |           | 0.26 | 0.051 | mg/Kg | ☆ | 06/14/21 07:19 | 06/14/21 20:23 | 1       |
| PCB-1232        | ND           |           | 0.26 | 0.051 | mg/Kg | ☆ | 06/14/21 07:19 | 06/14/21 20:23 | 1       |
| <b>PCB-1242</b> | <b>0.060</b> | <b>J</b>  | 0.26 | 0.051 | mg/Kg | ☆ | 06/14/21 07:19 | 06/14/21 20:23 | 1       |
| PCB-1248        | ND           |           | 0.26 | 0.051 | mg/Kg | ☆ | 06/14/21 07:19 | 06/14/21 20:23 | 1       |
| PCB-1254        | ND           |           | 0.26 | 0.12  | mg/Kg | ☆ | 06/14/21 07:19 | 06/14/21 20:23 | 1       |
| PCB-1260        | ND           |           | 0.26 | 0.12  | mg/Kg | ☆ | 06/14/21 07:19 | 06/14/21 20:23 | 1       |
| PCB-1262        | ND           |           | 0.26 | 0.12  | mg/Kg | ☆ | 06/14/21 07:19 | 06/14/21 20:23 | 1       |
| PCB-1268        | ND           |           | 0.26 | 0.12  | mg/Kg | ☆ | 06/14/21 07:19 | 06/14/21 20:23 | 1       |

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| Tetrachloro-m-xylene   | 109       |           | 60 - 154 | 06/14/21 07:19 | 06/14/21 20:23 | 1       |
| Tetrachloro-m-xylene   | 112       |           | 60 - 154 | 06/14/21 07:19 | 06/14/21 20:23 | 1       |
| DCB Decachlorobiphenyl | 85        |           | 65 - 174 | 06/14/21 07:19 | 06/14/21 20:23 | 1       |
| DCB Decachlorobiphenyl | 85        |           | 65 - 174 | 06/14/21 07:19 | 06/14/21 20:23 | 1       |

## Method: 6010C - Metals (ICP)

| Analyte          | Result       | Qualifier     | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|------------------|--------------|---------------|------|-------|-------|---|----------------|----------------|---------|
| <b>Aluminum</b>  | <b>14900</b> |               | 12.9 | 5.7   | mg/Kg | ☆ | 06/09/21 16:49 | 06/10/21 17:18 | 1       |
| Antimony         | ND           |               | 19.4 | 0.52  | mg/Kg | ☆ | 06/09/21 16:49 | 06/10/21 17:18 | 1       |
| <b>Arsenic</b>   | <b>3.0</b>   |               | 2.6  | 0.52  | mg/Kg | ☆ | 06/09/21 16:49 | 06/10/21 17:18 | 1       |
| <b>Barium</b>    | <b>88.7</b>  |               | 0.65 | 0.14  | mg/Kg | ☆ | 06/09/21 16:49 | 06/10/21 17:18 | 1       |
| <b>Beryllium</b> | <b>0.70</b>  |               | 0.26 | 0.036 | mg/Kg | ☆ | 06/09/21 16:49 | 06/10/21 17:18 | 1       |
| <b>Cadmium</b>   | <b>0.29</b>  | <b>J</b>      | 0.26 | 0.039 | mg/Kg | ☆ | 06/09/21 16:49 | 06/10/21 17:18 | 1       |
| <b>Calcium</b>   | <b>53500</b> | <b>B</b>      | 64.7 | 4.3   | mg/Kg | ☆ | 06/09/21 16:49 | 06/10/21 17:18 | 1       |
| <b>Chromium</b>  | <b>21.0</b>  |               | 0.65 | 0.26  | mg/Kg | ☆ | 06/09/21 16:49 | 06/10/21 17:18 | 1       |
| <b>Cobalt</b>    | <b>9.3</b>   |               | 0.65 | 0.065 | mg/Kg | ☆ | 06/09/21 16:49 | 06/10/21 17:18 | 1       |
| <b>Copper</b>    | <b>17.9</b>  |               | 1.3  | 0.27  | mg/Kg | ☆ | 06/09/21 16:49 | 06/10/21 17:18 | 1       |
| <b>Iron</b>      | <b>23400</b> | <b>^2 ^+</b>  | 12.9 | 4.5   | mg/Kg | ☆ | 06/09/21 16:49 | 06/10/21 17:18 | 1       |
| <b>Lead</b>      | <b>12.3</b>  | <b>J</b>      | 1.3  | 0.31  | mg/Kg | ☆ | 06/09/21 16:49 | 06/10/21 17:18 | 1       |
| <b>Magnesium</b> | <b>14600</b> | <b>B</b>      | 25.9 | 1.2   | mg/Kg | ☆ | 06/09/21 16:49 | 06/10/21 17:18 | 1       |
| <b>Manganese</b> | <b>552</b>   | <b>B ^+ J</b> | 0.26 | 0.041 | mg/Kg | ☆ | 06/09/21 16:49 | 06/10/21 17:18 | 1       |
| <b>Nickel</b>    | <b>23.3</b>  |               | 6.5  | 0.30  | mg/Kg | ☆ | 06/09/21 16:49 | 06/10/21 17:18 | 1       |
| <b>Potassium</b> | <b>4090</b>  |               | 38.8 | 25.9  | mg/Kg | ☆ | 06/09/21 16:49 | 06/10/21 17:18 | 1       |
| Selenium         | ND           |               | 5.2  | 0.52  | mg/Kg | ☆ | 06/09/21 16:49 | 06/10/21 17:18 | 1       |
| Silver           | ND           |               | 0.78 | 0.26  | mg/Kg | ☆ | 06/09/21 16:49 | 06/10/21 17:18 | 1       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-185711-1

**Client Sample ID: TT51-5.5-7.0-210607**

**Lab Sample ID: 480-185711-3**

**Date Collected: 06/07/21 08:00**

**Matrix: Solid**

**Date Received: 06/07/21 14:10**

**Percent Solids: 78.9**

## Method: 6010C - Metals (ICP) (Continued)

| Analyte  | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------|-----------|------|------|-------|---|----------------|----------------|---------|
| Sodium   | 276    | B         | 181  | 16.8 | mg/Kg | ✱ | 06/09/21 16:49 | 06/10/21 17:18 | 1       |
| Thallium | ND     |           | 7.8  | 0.39 | mg/Kg | ✱ | 06/09/21 16:49 | 06/10/21 17:18 | 1       |
| Vanadium | 32.5   |           | 0.65 | 0.14 | mg/Kg | ✱ | 06/09/21 16:49 | 06/10/21 17:18 | 1       |
| Zinc     | 55.0   |           | 2.6  | 0.83 | mg/Kg | ✱ | 06/09/21 16:49 | 06/10/21 17:18 | 1       |

## Method: 7471B - Mercury (CVAA)

| Analyte | Result | Qualifier | RL    | MDL    | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------|--------|-----------|-------|--------|-------|---|----------------|----------------|---------|
| Mercury | 0.058  |           | 0.023 | 0.0092 | mg/Kg | ✱ | 06/16/21 12:25 | 06/16/21 14:41 | 1       |

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-185711-1

Client Sample ID: TT02-3.5-4.0-210607

Lab Sample ID: 480-185711-4

Date Collected: 06/07/21 10:25

Matrix: Solid

Date Received: 06/07/21 14:10

Percent Solids: 59.3

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

| Analyte                               | Result     | Qualifier         | RL  | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------------------------|------------|-------------------|-----|------|-------|---|----------------|----------------|---------|
| 1,1,1-Trichloroethane                 | ND         | F1 vs UJ          | 8.4 | 0.61 | ug/Kg | ☆ | 06/11/21 10:30 | 06/11/21 17:58 | 1       |
| 1,1,2,2-Tetrachloroethane             | ND         | F1 *3 vs          | 8.4 | 1.4  | ug/Kg | ☆ | 06/11/21 10:30 | 06/11/21 17:58 | 1       |
| 1,1,2-Trichloroethane                 | ND         | vs                | 8.4 | 1.1  | ug/Kg | ☆ | 06/11/21 10:30 | 06/11/21 17:58 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND         | F1 vs             | 8.4 | 1.9  | ug/Kg | ☆ | 06/11/21 10:30 | 06/11/21 17:58 | 1       |
| 1,1-Dichloroethane                    | ND         | vs                | 8.4 | 1.0  | ug/Kg | ☆ | 06/11/21 10:30 | 06/11/21 17:58 | 1       |
| 1,1-Dichloroethene                    | ND         | vs                | 8.4 | 1.0  | ug/Kg | ☆ | 06/11/21 10:30 | 06/11/21 17:58 | 1       |
| 1,2,4-Trichlorobenzene                | ND         | F1 *3 vs          | 8.4 | 0.51 | ug/Kg | ☆ | 06/11/21 10:30 | 06/11/21 17:58 | 1       |
| 1,2-Dibromo-3-Chloropropane           | ND         | *3 vs             | 8.4 | 4.2  | ug/Kg | ☆ | 06/11/21 10:30 | 06/11/21 17:58 | 1       |
| 1,2-Dibromoethane                     | ND         | F1 vs             | 8.4 | 1.1  | ug/Kg | ☆ | 06/11/21 10:30 | 06/11/21 17:58 | 1       |
| 1,2-Dichlorobenzene                   | ND         | F1 *3 vs          | 8.4 | 0.66 | ug/Kg | ☆ | 06/11/21 10:30 | 06/11/21 17:58 | 1       |
| 1,2-Dichloroethane                    | ND         | F1 vs             | 8.4 | 0.42 | ug/Kg | ☆ | 06/11/21 10:30 | 06/11/21 17:58 | 1       |
| 1,2-Dichloropropane                   | ND         | F1 vs             | 8.4 | 4.2  | ug/Kg | ☆ | 06/11/21 10:30 | 06/11/21 17:58 | 1       |
| 1,3-Dichlorobenzene                   | ND         | F1 *3 vs          | 8.4 | 0.43 | ug/Kg | ☆ | 06/11/21 10:30 | 06/11/21 17:58 | 1       |
| <b>1,4-Dichlorobenzene</b>            | <b>140</b> | <b>F1 *3 vs J</b> | 8.4 | 1.2  | ug/Kg | ☆ | 06/11/21 10:30 | 06/11/21 17:58 | 1       |
| 2-Hexanone                            | ND         | F1 vs UJ          | 42  | 4.2  | ug/Kg | ☆ | 06/11/21 10:30 | 06/11/21 17:58 | 1       |
| <b>2-Butanone (MEK)</b>               | <b>15</b>  | <b>J F1 vs J</b>  | 42  | 3.1  | ug/Kg | ☆ | 06/11/21 10:30 | 06/11/21 17:58 | 1       |
| 4-Methyl-2-pentanone (MIBK)           | ND         | vs UJ             | 42  | 2.8  | ug/Kg | ☆ | 06/11/21 10:30 | 06/11/21 17:58 | 1       |
| <b>Acetone</b>                        | <b>140</b> | <b>F1 vs J</b>    | 42  | 7.1  | ug/Kg | ☆ | 06/11/21 10:30 | 06/11/21 17:58 | 1       |
| <b>Benzene</b>                        | <b>5.6</b> | <b>J F1 vs J</b>  | 8.4 | 0.41 | ug/Kg | ☆ | 06/11/21 10:30 | 06/11/21 17:58 | 1       |
| Bromodichloromethane                  | ND         | F1 vs UJ          | 8.4 | 1.1  | ug/Kg | ☆ | 06/11/21 10:30 | 06/11/21 17:58 | 1       |
| Bromoform                             | ND         | F1 vs UJ          | 8.4 | 4.2  | ug/Kg | ☆ | 06/11/21 10:30 | 06/11/21 17:58 | 1       |
| Bromomethane                          | ND         | *+ vs UJ          | 8.4 | 0.76 | ug/Kg | ☆ | 06/11/21 10:30 | 06/11/21 17:58 | 1       |
| <b>Carbon disulfide</b>               | <b>4.8</b> | <b>J F1 vs J</b>  | 8.4 | 4.2  | ug/Kg | ☆ | 06/11/21 10:30 | 06/11/21 17:58 | 1       |
| Carbon tetrachloride                  | ND         | F1 vs UJ          | 8.4 | 0.81 | ug/Kg | ☆ | 06/11/21 10:30 | 06/11/21 17:58 | 1       |
| <b>Chlorobenzene</b>                  | <b>130</b> | <b>F1 vs J</b>    | 8.4 | 1.1  | ug/Kg | ☆ | 06/11/21 10:30 | 06/11/21 17:58 | 1       |
| Dibromochloromethane                  | ND         | F1 vs UJ          | 8.4 | 1.1  | ug/Kg | ☆ | 06/11/21 10:30 | 06/11/21 17:58 | 1       |
| Chloroethane                          | ND         | F1 *+ vs UJ       | 8.4 | 1.9  | ug/Kg | ☆ | 06/11/21 10:30 | 06/11/21 17:58 | 1       |
| Chloroform                            | ND         | F1 vs             | 8.4 | 0.52 | ug/Kg | ☆ | 06/11/21 10:30 | 06/11/21 17:58 | 1       |
| Chloromethane                         | ND         | vs                | 8.4 | 0.51 | ug/Kg | ☆ | 06/11/21 10:30 | 06/11/21 17:58 | 1       |
| cis-1,2-Dichloroethene                | ND         | F1 vs             | 8.4 | 1.1  | ug/Kg | ☆ | 06/11/21 10:30 | 06/11/21 17:58 | 1       |
| cis-1,3-Dichloropropene               | ND         | F1 vs             | 8.4 | 1.2  | ug/Kg | ☆ | 06/11/21 10:30 | 06/11/21 17:58 | 1       |
| <b>Cyclohexane</b>                    | <b>2.5</b> | <b>J F1 vs J</b>  | 8.4 | 1.2  | ug/Kg | ☆ | 06/11/21 10:30 | 06/11/21 17:58 | 1       |
| Dichlorodifluoromethane               | ND         | vs UJ             | 8.4 | 0.70 | ug/Kg | ☆ | 06/11/21 10:30 | 06/11/21 17:58 | 1       |
| Ethylbenzene                          | ND         | F1 vs UJ          | 8.4 | 0.58 | ug/Kg | ☆ | 06/11/21 10:30 | 06/11/21 17:58 | 1       |
| <b>Isopropylbenzene</b>               | <b>170</b> | <b>F1 *3 vs J</b> | 8.4 | 1.3  | ug/Kg | ☆ | 06/11/21 10:30 | 06/11/21 17:58 | 1       |
| Methyl acetate                        | ND         | vs UJ             | 42  | 5.1  | ug/Kg | ☆ | 06/11/21 10:30 | 06/11/21 17:58 | 1       |
| Methyl tert-butyl ether               | ND         | vs UJ             | 8.4 | 0.83 | ug/Kg | ☆ | 06/11/21 10:30 | 06/11/21 17:58 | 1       |
| <b>Methylcyclohexane</b>              | <b>6.7</b> | <b>J F1 vs J</b>  | 8.4 | 1.3  | ug/Kg | ☆ | 06/11/21 10:30 | 06/11/21 17:58 | 1       |
| Methylene Chloride                    | ND         | vs UJ             | 8.4 | 3.9  | ug/Kg | ☆ | 06/11/21 10:30 | 06/11/21 17:58 | 1       |
| Styrene                               | ND         | F1 vs             | 8.4 | 0.42 | ug/Kg | ☆ | 06/11/21 10:30 | 06/11/21 17:58 | 1       |
| Tetrachloroethene                     | ND         | F1 vs             | 8.4 | 1.1  | ug/Kg | ☆ | 06/11/21 10:30 | 06/11/21 17:58 | 1       |
| <b>Toluene</b>                        | <b>2.8</b> | <b>J F1 vs J</b>  | 8.4 | 0.64 | ug/Kg | ☆ | 06/11/21 10:30 | 06/11/21 17:58 | 1       |
| trans-1,2-Dichloroethene              | ND         | vs UJ             | 8.4 | 0.87 | ug/Kg | ☆ | 06/11/21 10:30 | 06/11/21 17:58 | 1       |
| trans-1,3-Dichloropropene             | ND         | F1 vs UJ          | 8.4 | 3.7  | ug/Kg | ☆ | 06/11/21 10:30 | 06/11/21 17:58 | 1       |
| Trichloroethene                       | ND         | F1 vs UJ          | 8.4 | 1.9  | ug/Kg | ☆ | 06/11/21 10:30 | 06/11/21 17:58 | 1       |
| Trichlorofluoromethane                | ND         | vs UJ             | 8.4 | 0.80 | ug/Kg | ☆ | 06/11/21 10:30 | 06/11/21 17:58 | 1       |
| Vinyl chloride                        | ND         | vs UJ             | 8.4 | 1.0  | ug/Kg | ☆ | 06/11/21 10:30 | 06/11/21 17:58 | 1       |
| <b>Xylenes, Total</b>                 | <b>41</b>  | <b>F1 vs J</b>    | 17  | 1.4  | ug/Kg | ☆ | 06/11/21 10:30 | 06/11/21 17:58 | 1       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-185711-1

**Client Sample ID: TT02-3.5-4.0-210607**

**Lab Sample ID: 480-185711-4**

**Date Collected: 06/07/21 10:25**

**Matrix: Solid**

**Date Received: 06/07/21 14:10**

**Percent Solids: 59.3**

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 112       |           | 64 - 126 | 06/11/21 10:30 | 06/11/21 17:58 | 1       |
| Toluene-d8 (Surr)            | 102       |           | 71 - 125 | 06/11/21 10:30 | 06/11/21 17:58 | 1       |
| 4-Bromofluorobenzene (Surr)  | 63        | S1-       | 72 - 126 | 06/11/21 10:30 | 06/11/21 17:58 | 1       |

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

| Analyte                            | Result       | Qualifier | RL     | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|------------------------------------|--------------|-----------|--------|-------|-------|---|----------------|----------------|---------|
| 2,4,5-Trichlorophenol              | ND           |           | 8300   | 2300  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 14:06 | 5       |
| 2,4,6-Trichlorophenol              | ND           |           | 8300   | 1700  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 14:06 | 5       |
| 2,4-Dichlorophenol                 | ND           |           | 8300   | 880   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 14:06 | 5       |
| 2,4-Dimethylphenol                 | ND           |           | 8300   | 2000  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 14:06 | 5       |
| 2,4-Dinitrophenol                  | ND           |           | 81000  | 38000 | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 14:06 | 5       |
| 2,4-Dinitrotoluene                 | ND           |           | 8300   | 1700  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 14:06 | 5       |
| 2,6-Dinitrotoluene                 | ND           |           | 8300   | 980   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 14:06 | 5       |
| 2-Chloronaphthalene                | ND           |           | 8300   | 1400  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 14:06 | 5       |
| 2-Chlorophenol                     | ND           |           | 16000  | 1500  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 14:06 | 5       |
| 2-Methylnaphthalene                | ND           |           | 8300   | 1700  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 14:06 | 5       |
| 2-Methylphenol                     | ND           |           | 8300   | 980   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 14:06 | 5       |
| 2-Nitroaniline                     | ND           |           | 16000  | 1200  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 14:06 | 5       |
| 2-Nitrophenol                      | ND           |           | 8300   | 2400  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 14:06 | 5       |
| 3,3'-Dichlorobenzidine             | ND           |           | 16000  | 9800  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 14:06 | 5       |
| 3-Nitroaniline                     | ND           |           | 16000  | 2300  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 14:06 | 5       |
| 4,6-Dinitro-2-methylphenol         | ND           |           | 16000  | 8300  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 14:06 | 5       |
| 4-Bromophenyl phenyl ether         | ND           |           | 8300   | 1200  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 14:06 | 5       |
| 4-Chloro-3-methylphenol            | ND           |           | 8300   | 2100  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 14:06 | 5       |
| 4-Chloroaniline                    | ND           |           | 8300   | 2100  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 14:06 | 5       |
| 4-Chlorophenyl phenyl ether        | ND           |           | 8300   | 1000  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 14:06 | 5       |
| 4-Methylphenol                     | ND           |           | 16000  | 980   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 14:06 | 5       |
| 4-Nitroaniline                     | ND           |           | 16000  | 4400  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 14:06 | 5       |
| 4-Nitrophenol                      | ND           |           | 16000  | 5800  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 14:06 | 5       |
| Acenaphthene                       | ND           |           | 8300   | 1200  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 14:06 | 5       |
| Acenaphthylene                     | ND           |           | 8300   | 1100  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 14:06 | 5       |
| Acetophenone                       | ND           |           | 8300   | 1100  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 14:06 | 5       |
| Anthracene                         | ND           | F2        | 8300   | 2100  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 14:06 | 5       |
| Atrazine                           | ND           |           | 8300   | 2900  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 14:06 | 5       |
| Benzaldehyde                       | ND           |           | 8300   | 6600  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 14:06 | 5       |
| Benzo(a)anthracene                 | ND           | F2        | 8300   | 830   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 14:06 | 5       |
| Benzo(a)pyrene                     | ND           |           | 8300   | 1200  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 14:06 | 5       |
| Benzo(b)fluoranthene               | ND           |           | 8300   | 1300  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 14:06 | 5       |
| Benzo(g,h,i)perylene               | ND           |           | 8300   | 880   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 14:06 | 5       |
| Benzo(k)fluoranthene               | ND           |           | 8300   | 1100  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 14:06 | 5       |
| Benzoic acid                       | ND           |           | 240000 | 74000 | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 14:06 | 5       |
| Biphenyl                           | ND           |           | 8300   | 1200  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 14:06 | 5       |
| bis (2-chloroisopropyl) ether      | ND           |           | 8300   | 1700  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 14:06 | 5       |
| Bis(2-chloroethoxy)methane         | ND           |           | 8300   | 1800  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 14:06 | 5       |
| Bis(2-chloroethyl)ether            | ND           |           | 8300   | 1100  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 14:06 | 5       |
| <b>Bis(2-ethylhexyl) phthalate</b> | <b>17000</b> | <b>F1</b> | 8300   | 2800  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 14:06 | 5       |
| Butyl benzyl phthalate             | ND           | F2        | 8300   | 1400  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 14:06 | 5       |
| Caprolactam                        | ND           |           | 8300   | 2500  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 14:06 | 5       |
| Carbazole                          | ND           |           | 8300   | 980   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 14:06 | 5       |
| Chrysene                           | ND           |           | 8300   | 1900  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 14:06 | 5       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-185711-1

Client Sample ID: TT02-3.5-4.0-210607

Lab Sample ID: 480-185711-4

Date Collected: 06/07/21 10:25

Matrix: Solid

Date Received: 06/07/21 14:10

Percent Solids: 59.3

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

| Analyte                   | Result | Qualifier | RL    | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------------|--------|-----------|-------|------|-------|---|----------------|----------------|---------|
| Dibenz(a,h)anthracene     | ND     |           | 8300  | 1500 | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 14:06 | 5       |
| Dibenzofuran              | ND     |           | 8300  | 980  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 14:06 | 5       |
| Diethyl phthalate         | ND     |           | 8300  | 1100 | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 14:06 | 5       |
| Dimethyl phthalate        | ND     |           | 8300  | 980  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 14:06 | 5       |
| Di-n-butyl phthalate      | ND     | F2        | 8300  | 1400 | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 14:06 | 5       |
| Di-n-octyl phthalate      | ND     |           | 8300  | 980  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 14:06 | 5       |
| Fluoranthene              | ND     | F2        | 8300  | 880  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 14:06 | 5       |
| Fluorene                  | ND     |           | 8300  | 980  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 14:06 | 5       |
| Hexachlorobenzene         | ND     | F2        | 8300  | 1100 | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 14:06 | 5       |
| Hexachlorobutadiene       | ND     |           | 8300  | 1200 | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 14:06 | 5       |
| Hexachlorocyclopentadiene | ND     |           | 8300  | 1100 | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 14:06 | 5       |
| Hexachloroethane          | ND     |           | 8300  | 1100 | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 14:06 | 5       |
| Indeno(1,2,3-cd)pyrene    | ND     | F2        | 8300  | 1000 | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 14:06 | 5       |
| Isophorone                | ND     |           | 8300  | 1800 | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 14:06 | 5       |
| Naphthalene               | ND     |           | 8300  | 1100 | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 14:06 | 5       |
| Nitrobenzene              | ND     |           | 8300  | 930  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 14:06 | 5       |
| N-Nitrosodi-n-propylamine | ND     |           | 8300  | 1400 | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 14:06 | 5       |
| N-Nitrosodiphenylamine    | ND     |           | 8300  | 6800 | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 14:06 | 5       |
| Pentachlorophenol         | ND     |           | 16000 | 8300 | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 14:06 | 5       |
| Phenanthrene              | ND     |           | 8300  | 1200 | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 14:06 | 5       |
| Phenol                    | ND     |           | 8300  | 1300 | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 14:06 | 5       |
| Pyrene                    | ND     |           | 8300  | 980  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 14:06 | 5       |

| Surrogate            | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 2,4,6-Tribromophenol | 86        |           | 54 - 120 | 06/08/21 15:17 | 06/16/21 14:06 | 5       |
| 2-Fluorobiphenyl     | 87        |           | 60 - 120 | 06/08/21 15:17 | 06/16/21 14:06 | 5       |
| 2-Fluorophenol       | 80        |           | 52 - 120 | 06/08/21 15:17 | 06/16/21 14:06 | 5       |
| Nitrobenzene-d5      | 76        |           | 53 - 120 | 06/08/21 15:17 | 06/16/21 14:06 | 5       |
| Phenol-d5            | 72        |           | 54 - 120 | 06/08/21 15:17 | 06/16/21 14:06 | 5       |
| p-Terphenyl-d14      | 86        |           | 79 - 130 | 06/08/21 15:17 | 06/16/21 14:06 | 5       |

## Method: 8081B - Organochlorine Pesticides (GC)

| Analyte             | Result | Qualifier     | RL | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|--------|---------------|----|-----|-------|---|----------------|----------------|---------|
| 4,4'-DDE            | ND     |               | 28 | 5.9 | ug/Kg | ☆ | 06/14/21 08:11 | 06/15/21 13:13 | 10      |
| 4,4'-DDT            | 28     | --24--J-F1- U | 28 | 6.5 | ug/Kg | ☆ | 06/14/21 08:11 | 06/15/21 13:13 | 10      |
| Aldrin              | ND     | F1            | 28 | 6.9 | ug/Kg | ☆ | 06/14/21 08:11 | 06/15/21 13:13 | 10      |
| alpha-BHC           | ND     | UJ            | 28 | 5.0 | ug/Kg | ☆ | 06/14/21 08:11 | 06/15/21 13:13 | 10      |
| cis-Chlordane       | ND     | F1            | 28 | 14  | ug/Kg | ☆ | 06/14/21 08:11 | 06/15/21 13:13 | 10      |
| beta-BHC            | ND     | UJ            | 28 | 5.0 | ug/Kg | ☆ | 06/14/21 08:11 | 06/15/21 13:13 | 10      |
| delta-BHC           | ND     | F1 UJ         | 28 | 5.2 | ug/Kg | ☆ | 06/14/21 08:11 | 06/15/21 13:13 | 10      |
| Dieldrin            | ND     | F2            | 28 | 6.7 | ug/Kg | ☆ | 06/14/21 08:11 | 06/15/21 13:13 | 10      |
| Endosulfan I        | ND     |               | 28 | 5.4 | ug/Kg | ☆ | 06/14/21 08:11 | 06/15/21 13:13 | 10      |
| Endosulfan II       | ND     |               | 28 | 5.0 | ug/Kg | ☆ | 06/14/21 08:11 | 06/15/21 13:13 | 10      |
| Endosulfan sulfate  | ND     |               | 28 | 5.2 | ug/Kg | ☆ | 06/14/21 08:11 | 06/15/21 13:13 | 10      |
| Endrin              | ND     | F1            | 28 | 5.5 | ug/Kg | ☆ | 06/14/21 08:11 | 06/15/21 13:13 | 10      |
| Endrin aldehyde     | ND     | F2            | 28 | 7.1 | ug/Kg | ☆ | 06/14/21 08:11 | 06/15/21 13:13 | 10      |
| Endrin ketone       | ND     | F1            | 28 | 6.9 | ug/Kg | ☆ | 06/14/21 08:11 | 06/15/21 13:13 | 10      |
| gamma-BHC (Lindane) | ND     | F2 UJ         | 28 | 5.1 | ug/Kg | ☆ | 06/14/21 08:11 | 06/15/21 13:13 | 10      |
| trans-Chlordane     | ND     |               | 28 | 8.9 | ug/Kg | ☆ | 06/14/21 08:11 | 06/15/21 13:13 | 10      |
| Heptachlor          | ND     | UJ            | 28 | 6.1 | ug/Kg | ☆ | 06/14/21 08:11 | 06/15/21 13:13 | 10      |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-185711-1

Client Sample ID: TT02-3.5-4.0-210607

Lab Sample ID: 480-185711-4

Date Collected: 06/07/21 10:25

Matrix: Solid

Date Received: 06/07/21 14:10

Percent Solids: 59.3

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

| Analyte            | Result | Qualifier | RL  | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------|--------|-----------|-----|-----|-------|---|----------------|----------------|---------|
| Heptachlor epoxide | ND     | F1        | 28  | 7.2 | ug/Kg | ✱ | 06/14/21 08:11 | 06/15/21 13:13 | 10      |
| Methoxychlor       | ND     |           | 28  | 5.7 | ug/Kg | ✱ | 06/14/21 08:11 | 06/15/21 13:13 | 10      |
| Toxaphene          | ND     |           | 280 | 160 | ug/Kg | ✱ | 06/14/21 08:11 | 06/15/21 13:13 | 10      |
| 4,4'-DDD           | 21     | J J       | 28  | 5.4 | ug/Kg | ✱ | 06/14/21 08:11 | 06/15/21 13:13 | 10      |
| Mirex              | ND     |           | 28  | 6.8 | ug/Kg | ✱ | 06/14/21 08:11 | 06/15/21 13:13 | 10      |

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| DCB Decachlorobiphenyl | 72        |           | 45 - 120 | 06/14/21 08:11 | 06/15/21 13:13 | 10      |
| DCB Decachlorobiphenyl | 31        | S1-       | 45 - 120 | 06/14/21 08:11 | 06/15/21 13:13 | 10      |
| Tetrachloro-m-xylene   | 68        |           | 30 - 124 | 06/14/21 08:11 | 06/15/21 13:13 | 10      |
| Tetrachloro-m-xylene   | 41        |           | 30 - 124 | 06/14/21 08:11 | 06/15/21 13:13 | 10      |

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

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| PCB-1016 | ND     | UJ        | 0.31 | 0.060 | mg/Kg | ✱ | 06/14/21 07:19 | 06/14/21 19:57 | 1       |
| PCB-1221 | ND     | ↓         | 0.31 | 0.060 | mg/Kg | ✱ | 06/14/21 07:19 | 06/14/21 19:57 | 1       |
| PCB-1232 | ND     | ↓         | 0.31 | 0.060 | mg/Kg | ✱ | 06/14/21 07:19 | 06/14/21 19:57 | 1       |
| PCB-1242 | 0.81   | J         | 0.31 | 0.060 | mg/Kg | ✱ | 06/14/21 07:19 | 06/14/21 19:57 | 1       |
| PCB-1248 | ND     | UJ        | 0.31 | 0.060 | mg/Kg | ✱ | 06/14/21 07:19 | 06/14/21 19:57 | 1       |
| PCB-1254 | 0.19   | J J       | 0.31 | 0.14  | mg/Kg | ✱ | 06/14/21 07:19 | 06/14/21 19:57 | 1       |
| PCB-1260 | ND     | UJ        | 0.31 | 0.14  | mg/Kg | ✱ | 06/14/21 07:19 | 06/14/21 19:57 | 1       |
| PCB-1262 | ND     | ↓         | 0.31 | 0.14  | mg/Kg | ✱ | 06/14/21 07:19 | 06/14/21 19:57 | 1       |
| PCB-1268 | ND     | ↓         | 0.31 | 0.14  | mg/Kg | ✱ | 06/14/21 07:19 | 06/14/21 19:57 | 1       |

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| Tetrachloro-m-xylene   | 77        |           | 60 - 154 | 06/14/21 07:19 | 06/14/21 19:57 | 1       |
| Tetrachloro-m-xylene   | 78        |           | 60 - 154 | 06/14/21 07:19 | 06/14/21 19:57 | 1       |
| DCB Decachlorobiphenyl | 59        | S1-       | 65 - 174 | 06/14/21 07:19 | 06/14/21 19:57 | 1       |
| DCB Decachlorobiphenyl | 59        | S1-       | 65 - 174 | 06/14/21 07:19 | 06/14/21 19:57 | 1       |

## Method: 6010C - Metals (ICP)

| Analyte   | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| Aluminum  | 7950   | F2 F1 J   | 17.8 | 7.8   | mg/Kg | ✱ | 06/09/21 16:49 | 06/10/21 17:22 | 1       |
| Antimony  | ND     |           | 26.6 | 0.71  | mg/Kg | ✱ | 06/09/21 16:49 | 06/10/21 17:22 | 1       |
| Arsenic   | 5.3    |           | 3.6  | 0.71  | mg/Kg | ✱ | 06/09/21 16:49 | 06/10/21 17:22 | 1       |
| Barium    | 170    | F1 J      | 0.89 | 0.20  | mg/Kg | ✱ | 06/09/21 16:49 | 06/10/21 17:22 | 1       |
| Beryllium | 0.28   | J         | 0.36 | 0.050 | mg/Kg | ✱ | 06/09/21 16:49 | 06/10/21 17:22 | 1       |
| Cadmium   | 6.1    |           | 0.36 | 0.053 | mg/Kg | ✱ | 06/09/21 16:49 | 06/10/21 17:22 | 1       |
| Calcium   | 11200  | B F1 J    | 88.8 | 5.9   | mg/Kg | ✱ | 06/09/21 16:49 | 06/10/21 17:22 | 1       |
| Chromium  | 50.9   | F1 J      | 0.89 | 0.36  | mg/Kg | ✱ | 06/09/21 16:49 | 06/10/21 17:22 | 1       |
| Cobalt    | 5.8    |           | 0.89 | 0.089 | mg/Kg | ✱ | 06/09/21 16:49 | 06/10/21 17:22 | 1       |
| Copper    | 77.1   | F1 J      | 1.8  | 0.37  | mg/Kg | ✱ | 06/09/21 16:49 | 06/10/21 17:22 | 1       |
| Iron      | 41900  | ^+ ^2     | 17.8 | 6.2   | mg/Kg | ✱ | 06/09/21 16:49 | 06/10/21 17:22 | 1       |
| Lead      | 471    | F2        | 1.8  | 0.43  | mg/Kg | ✱ | 06/09/21 16:49 | 06/10/21 17:22 | 1       |
| Magnesium | 4040   | B         | 35.5 | 1.6   | mg/Kg | ✱ | 06/09/21 16:49 | 06/10/21 17:22 | 1       |
| Manganese | 286    | ^+ B      | 0.36 | 0.057 | mg/Kg | ✱ | 06/09/21 16:49 | 06/10/21 17:22 | 1       |
| Nickel    | 89.4   | F1 J      | 8.9  | 0.41  | mg/Kg | ✱ | 06/09/21 16:49 | 06/10/21 17:22 | 1       |
| Potassium | 1020   |           | 53.3 | 35.5  | mg/Kg | ✱ | 06/09/21 16:49 | 06/10/21 17:22 | 1       |
| Selenium  | ND     |           | 7.1  | 0.71  | mg/Kg | ✱ | 06/09/21 16:49 | 06/10/21 17:22 | 1       |
| Silver    | 1.1    |           | 1.1  | 0.36  | mg/Kg | ✱ | 06/09/21 16:49 | 06/10/21 17:22 | 1       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-185711-1

Client Sample ID: TT02-3.5-4.0-210607

Lab Sample ID: 480-185711-4

Date Collected: 06/07/21 10:25

Matrix: Solid

Date Received: 06/07/21 14:10

Percent Solids: 59.3

## Method: 6010C - Metals (ICP) (Continued)

| Analyte  | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------|-----------|------|------|-------|---|----------------|----------------|---------|
| Sodium   | 190    | J B       | 249  | 23.1 | mg/Kg | ☆ | 06/09/21 16:49 | 06/10/21 17:22 | 1       |
| Thallium | ND     |           | 10.7 | 0.53 | mg/Kg | ☆ | 06/09/21 16:49 | 06/10/21 17:22 | 1       |
| Vanadium | 265    |           | 0.89 | 0.20 | mg/Kg | ☆ | 06/09/21 16:49 | 06/10/21 17:22 | 1       |
| Zinc     | 235    | F1 J      | 3.6  | 1.1  | mg/Kg | ☆ | 06/09/21 16:49 | 06/10/21 17:22 | 1       |

## Method: 7471B - Mercury (CVAA)

| Analyte | Result | Qualifier | RL    | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------|--------|-----------|-------|-------|-------|---|----------------|----------------|---------|
| Mercury | 1.3    | F1 J      | 0.030 | 0.012 | mg/Kg | ☆ | 06/16/21 12:25 | 06/16/21 14:42 | 1       |

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-185711-1

Client Sample ID: TT03-02-5.5-210607

Lab Sample ID: 480-185711-5

Date Collected: 06/07/21 11:00

Matrix: Solid

Date Received: 06/07/21 14:10

Percent Solids: 68.4

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

| Analyte                               | Result | Qualifier | RL  | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------------------------|--------|-----------|-----|------|-------|---|----------------|----------------|---------|
| 1,1,1-Trichloroethane                 | ND     | vs        | 7.1 | 0.52 | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:55 | 1       |
| 1,1,2,2-Tetrachloroethane             | ND     | vs        | 7.1 | 1.2  | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:55 | 1       |
| 1,1,2-Trichloroethane                 | ND     | vs        | 7.1 | 0.92 | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:55 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND     | vs        | 7.1 | 1.6  | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:55 | 1       |
| 1,1-Dichloroethane                    | ND     | vs        | 7.1 | 0.87 | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:55 | 1       |
| 1,1-Dichloroethene                    | ND     | vs        | 7.1 | 0.87 | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:55 | 1       |
| 1,2,4-Trichlorobenzene                | ND     | vs        | 7.1 | 0.43 | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:55 | 1       |
| 1,2-Dibromo-3-Chloropropane           | ND     | vs        | 7.1 | 3.5  | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:55 | 1       |
| 1,2-Dibromoethane                     | ND     | vs        | 7.1 | 0.91 | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:55 | 1       |
| 1,2-Dichlorobenzene                   | 1.2    | J vs      | 7.1 | 0.56 | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:55 | 1       |
| 1,2-Dichloroethane                    | ND     | vs        | 7.1 | 0.36 | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:55 | 1       |
| 1,2-Dichloropropane                   | ND     | vs        | 7.1 | 3.5  | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:55 | 1       |
| 1,3-Dichlorobenzene                   | ND     | vs        | 7.1 | 0.36 | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:55 | 1       |
| 1,4-Dichlorobenzene                   | 9.4    | vs        | 7.1 | 0.99 | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:55 | 1       |
| 2-Hexanone                            | ND     | vs        | 35  | 3.5  | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:55 | 1       |
| 2-Butanone (MEK)                      | 11     | J vs      | 35  | 2.6  | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:55 | 1       |
| 4-Methyl-2-pentanone (MIBK)           | ND     | vs        | 35  | 2.3  | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:55 | 1       |
| Acetone                               | 63     | vs        | 35  | 6.0  | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:55 | 1       |
| Benzene                               | 2.4    | J vs      | 7.1 | 0.35 | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:55 | 1       |
| Bromodichloromethane                  | ND     | vs        | 7.1 | 0.95 | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:55 | 1       |
| Bromoform                             | ND     | vs        | 7.1 | 3.5  | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:55 | 1       |
| Bromomethane                          | ND     | vs UJ     | 7.1 | 0.64 | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:55 | 1       |
| Carbon disulfide                      | ND     | vs        | 7.1 | 3.5  | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:55 | 1       |
| Carbon tetrachloride                  | ND     | vs        | 7.1 | 0.69 | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:55 | 1       |
| Chlorobenzene                         | 14     | vs        | 7.1 | 0.94 | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:55 | 1       |
| Dibromochloromethane                  | ND     | vs        | 7.1 | 0.91 | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:55 | 1       |
| Chloroethane                          | ND     | *+ vs UJ  | 7.1 | 1.6  | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:55 | 1       |
| Chloroform                            | ND     | vs        | 7.1 | 0.44 | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:55 | 1       |
| Chloromethane                         | ND     | vs        | 7.1 | 0.43 | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:55 | 1       |
| cis-1,2-Dichloroethene                | ND     | vs        | 7.1 | 0.91 | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:55 | 1       |
| cis-1,3-Dichloropropene               | ND     | vs        | 7.1 | 1.0  | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:55 | 1       |
| Cyclohexane                           | ND     | vs        | 7.1 | 0.99 | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:55 | 1       |
| Dichlorodifluoromethane               | ND     | vs UJ     | 7.1 | 0.59 | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:55 | 1       |
| Ethylbenzene                          | 8.2    | vs        | 7.1 | 0.49 | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:55 | 1       |
| Isopropylbenzene                      | 14     | vs        | 7.1 | 1.1  | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:55 | 1       |
| Methyl acetate                        | ND     | vs        | 35  | 4.3  | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:55 | 1       |
| Methyl tert-butyl ether               | ND     | vs        | 7.1 | 0.70 | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:55 | 1       |
| Methylcyclohexane                     | ND     | vs        | 7.1 | 1.1  | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:55 | 1       |
| Methylene Chloride                    | 15     | vs        | 7.1 | 3.3  | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:55 | 1       |
| Styrene                               | ND     | vs        | 7.1 | 0.35 | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:55 | 1       |
| Tetrachloroethene                     | ND     | vs        | 7.1 | 0.95 | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:55 | 1       |
| Toluene                               | 0.93   | J vs      | 7.1 | 0.54 | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:55 | 1       |
| trans-1,2-Dichloroethene              | ND     | vs        | 7.1 | 0.73 | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:55 | 1       |
| trans-1,3-Dichloropropene             | ND     | vs        | 7.1 | 3.1  | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:55 | 1       |
| Trichloroethene                       | ND     | vs        | 7.1 | 1.6  | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:55 | 1       |
| Trichlorofluoromethane                | ND     | vs UJ     | 7.1 | 0.67 | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:55 | 1       |
| Vinyl chloride                        | ND     | vs UJ     | 7.1 | 0.87 | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:55 | 1       |
| Xylenes, Total                        | 65     | vs        | 14  | 1.2  | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:55 | 1       |

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ALH 8/2/21

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-185711-1

Client Sample ID: TT03-02-5.5-210607

Lab Sample ID: 480-185711-5

Date Collected: 06/07/21 11:00

Matrix: Solid

Date Received: 06/07/21 14:10

Percent Solids: 68.4

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 103       |           | 64 - 126 | 06/09/21 21:30 | 06/10/21 15:55 | 1       |
| Toluene-d8 (Surr)            | 98        |           | 71 - 125 | 06/09/21 21:30 | 06/10/21 15:55 | 1       |
| 4-Bromofluorobenzene (Surr)  | 95        |           | 72 - 126 | 06/09/21 21:30 | 06/10/21 15:55 | 1       |

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

| Analyte                       | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|--------|-----------|------|------|-------|---|----------------|----------------|---------|
| 2,4,5-Trichlorophenol         | ND     |           | 240  | 66   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 17:22 | 1       |
| 2,4,6-Trichlorophenol         | ND     |           | 240  | 49   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 17:22 | 1       |
| 2,4-Dichlorophenol            | ND     |           | 240  | 26   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 17:22 | 1       |
| 2,4-Dimethylphenol            | ND     |           | 240  | 59   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 17:22 | 1       |
| 2,4-Dinitrophenol             | ND     |           | 2400 | 1100 | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 17:22 | 1       |
| 2,4-Dinitrotoluene            | ND     |           | 240  | 50   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 17:22 | 1       |
| 2,6-Dinitrotoluene            | ND     |           | 240  | 29   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 17:22 | 1       |
| 2-Chloronaphthalene           | ND     |           | 240  | 40   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 17:22 | 1       |
| 2-Chlorophenol                | ND     |           | 470  | 44   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 17:22 | 1       |
| 2-Methylnaphthalene           | ND     |           | 240  | 49   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 17:22 | 1       |
| 2-Methylphenol                | ND     |           | 240  | 29   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 17:22 | 1       |
| 2-Nitroaniline                | ND     |           | 470  | 36   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 17:22 | 1       |
| 2-Nitrophenol                 | ND     |           | 240  | 69   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 17:22 | 1       |
| 3,3'-Dichlorobenzidine        | ND     |           | 470  | 290  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 17:22 | 1       |
| 3-Nitroaniline                | ND     |           | 470  | 67   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 17:22 | 1       |
| 4,6-Dinitro-2-methylphenol    | ND     |           | 470  | 240  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 17:22 | 1       |
| 4-Bromophenyl phenyl ether    | ND     |           | 240  | 34   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 17:22 | 1       |
| 4-Chloro-3-methylphenol       | ND     |           | 240  | 60   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 17:22 | 1       |
| 4-Chloroaniline               | ND     |           | 240  | 60   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 17:22 | 1       |
| 4-Chlorophenyl phenyl ether   | ND     |           | 240  | 30   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 17:22 | 1       |
| 4-Methylphenol                | ND     |           | 470  | 29   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 17:22 | 1       |
| 4-Nitroaniline                | ND     |           | 470  | 130  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 17:22 | 1       |
| 4-Nitrophenol                 | ND     |           | 470  | 170  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 17:22 | 1       |
| Acenaphthene                  | ND     |           | 240  | 36   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 17:22 | 1       |
| Acenaphthylene                | ND     |           | 240  | 31   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 17:22 | 1       |
| Acetophenone                  | ND     |           | 240  | 33   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 17:22 | 1       |
| Anthracene                    | ND     |           | 240  | 60   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 17:22 | 1       |
| Atrazine                      | ND     |           | 240  | 84   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 17:22 | 1       |
| Benzaldehyde                  | ND     |           | 240  | 190  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 17:22 | 1       |
| Benzo(a)anthracene            | 88 J   |           | 240  | 24   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 17:22 | 1       |
| Benzo(a)pyrene                | 56 J   |           | 240  | 36   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 17:22 | 1       |
| Benzo(b)fluoranthene          | 62 J   |           | 240  | 39   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 17:22 | 1       |
| Benzo(g,h,i)perylene          | 37 J   |           | 240  | 26   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 17:22 | 1       |
| Benzo(k)fluoranthene          | 42 J   |           | 240  | 31   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 17:22 | 1       |
| Benzoic acid                  | ND     |           | 6900 | 2100 | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 17:22 | 1       |
| Biphenyl                      | 41 J   |           | 240  | 36   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 17:22 | 1       |
| bis (2-chloroisopropyl) ether | ND     |           | 240  | 49   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 17:22 | 1       |
| Bis(2-chloroethoxy)methane    | ND     |           | 240  | 51   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 17:22 | 1       |
| Bis(2-chloroethyl)ether       | ND     |           | 240  | 31   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 17:22 | 1       |
| Bis(2-ethylhexyl) phthalate   | 1400   |           | 240  | 83   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 17:22 | 1       |
| Butyl benzyl phthalate        | 1800   |           | 240  | 40   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 17:22 | 1       |
| Caprolactam                   | ND     |           | 240  | 73   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 17:22 | 1       |
| Carbazole                     | 85 J   |           | 240  | 29   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 17:22 | 1       |
| Chrysene                      | 65 J   |           | 240  | 54   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 17:22 | 1       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-185711-1

Client Sample ID: TT03-02-5.5-210607

Lab Sample ID: 480-185711-5

Date Collected: 06/07/21 11:00

Matrix: Solid

Date Received: 06/07/21 14:10

Percent Solids: 68.4

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

| Analyte                   | Result | Qualifier | RL  | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------------|--------|-----------|-----|-----|-------|---|----------------|----------------|---------|
| Dibenz(a,h)anthracene     | ND     |           | 240 | 43  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 17:22 | 1       |
| Dibenzofuran              | ND     |           | 240 | 29  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 17:22 | 1       |
| Diethyl phthalate         | ND     |           | 240 | 31  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 17:22 | 1       |
| Dimethyl phthalate        | ND     |           | 240 | 29  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 17:22 | 1       |
| Di-n-butyl phthalate      | ND     |           | 240 | 41  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 17:22 | 1       |
| Di-n-octyl phthalate      | ND     |           | 240 | 29  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 17:22 | 1       |
| Fluoranthene              | 260    |           | 240 | 26  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 17:22 | 1       |
| Fluorene                  | ND     |           | 240 | 29  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 17:22 | 1       |
| Hexachlorobenzene         | ND     |           | 240 | 33  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 17:22 | 1       |
| Hexachlorobutadiene       | ND     |           | 240 | 36  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 17:22 | 1       |
| Hexachlorocyclopentadiene | ND     |           | 240 | 33  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 17:22 | 1       |
| Hexachloroethane          | ND     |           | 240 | 31  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 17:22 | 1       |
| Indeno(1,2,3-cd)pyrene    | 33     | J         | 240 | 30  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 17:22 | 1       |
| Isophorone                | ND     |           | 240 | 51  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 17:22 | 1       |
| Naphthalene               | 52     | J         | 240 | 31  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 17:22 | 1       |
| Nitrobenzene              | ND     |           | 240 | 27  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 17:22 | 1       |
| N-Nitrosodi-n-propylamine | ND     |           | 240 | 41  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 17:22 | 1       |
| N-Nitrosodiphenylamine    | ND     |           | 240 | 200 | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 17:22 | 1       |
| Pentachlorophenol         | ND     |           | 470 | 240 | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 17:22 | 1       |
| Phenanthrene              | 210    | J         | 240 | 36  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 17:22 | 1       |
| Phenol                    | ND     |           | 240 | 37  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 17:22 | 1       |
| Pyrene                    | 250    |           | 240 | 29  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 17:22 | 1       |

| Surrogate            | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 2,4,6-Tribromophenol | 112       |           | 54 - 120 | 06/08/21 15:17 | 06/16/21 17:22 | 1       |
| 2-Fluorobiphenyl     | 101       |           | 60 - 120 | 06/08/21 15:17 | 06/16/21 17:22 | 1       |
| 2-Fluorophenol       | 88        |           | 52 - 120 | 06/08/21 15:17 | 06/16/21 17:22 | 1       |
| Nitrobenzene-d5      | 87        |           | 53 - 120 | 06/08/21 15:17 | 06/16/21 17:22 | 1       |
| Phenol-d5            | 85        |           | 54 - 120 | 06/08/21 15:17 | 06/16/21 17:22 | 1       |
| p-Terphenyl-d14      | 113       |           | 79 - 130 | 06/08/21 15:17 | 06/16/21 17:22 | 1       |

## Method: 8081B - Organochlorine Pesticides (GC)

| Analyte             | Result | Qualifier | RL  | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|--------|-----------|-----|------|-------|---|----------------|----------------|---------|
| 4,4'-DDE            | 2.4    | J         | 2.4 | 0.51 | ug/Kg | ☆ | 06/14/21 08:11 | 06/16/21 12:01 | 1       |
| 4,4'-DDT            | 7.8    | J         | 2.4 | 0.57 | ug/Kg | ☆ | 06/14/21 08:11 | 06/16/21 12:01 | 1       |
| Aldrin              | ND     |           | 2.4 | 0.59 | ug/Kg | ☆ | 06/14/21 08:11 | 06/16/21 12:01 | 1       |
| alpha-BHC           | ND     |           | 2.4 | 0.44 | ug/Kg | ☆ | 06/14/21 08:11 | 06/16/21 12:01 | 1       |
| cis-Chlordane       | 1.4    | J J       | 2.4 | 1.2  | ug/Kg | ☆ | 06/14/21 08:11 | 06/16/21 12:01 | 1       |
| beta-BHC            | 1.0    | J R       | 2.4 | 0.44 | ug/Kg | ☆ | 06/14/21 08:11 | 06/16/21 12:01 | 1       |
| delta-BHC           | ND     |           | 2.4 | 0.45 | ug/Kg | ☆ | 06/14/21 08:11 | 06/16/21 12:01 | 1       |
| Dieldrin            | 3.0    | J         | 2.4 | 0.58 | ug/Kg | ☆ | 06/14/21 08:11 | 06/16/21 12:01 | 1       |
| Endosulfan I        | 1.3    | J J       | 2.4 | 0.46 | ug/Kg | ☆ | 06/14/21 08:11 | 06/16/21 12:01 | 1       |
| Endosulfan II       | ND     |           | 2.4 | 0.44 | ug/Kg | ☆ | 06/14/21 08:11 | 06/16/21 12:01 | 1       |
| Endosulfan sulfate  | ND     |           | 2.4 | 0.45 | ug/Kg | ☆ | 06/14/21 08:11 | 06/16/21 12:01 | 1       |
| Endrin              | 1.0    | J J       | 2.4 | 0.48 | ug/Kg | ☆ | 06/14/21 08:11 | 06/16/21 12:01 | 1       |
| Endrin aldehyde     | 50     | J         | 2.4 | 0.62 | ug/Kg | ☆ | 06/14/21 08:11 | 06/16/21 12:01 | 1       |
| Endrin ketone       | 1.6    | J R       | 2.4 | 0.59 | ug/Kg | ☆ | 06/14/21 08:11 | 06/16/21 12:01 | 1       |
| gamma-BHC (Lindane) | 1.0    | J R       | 2.4 | 0.44 | ug/Kg | ☆ | 06/14/21 08:11 | 06/16/21 12:01 | 1       |
| trans-Chlordane     | 9.0    | J         | 2.4 | 0.77 | ug/Kg | ☆ | 06/14/21 08:11 | 06/16/21 12:01 | 1       |
| Heptachlor          | 8.5    | J         | 2.4 | 0.52 | ug/Kg | ☆ | 06/14/21 08:11 | 06/16/21 12:01 | 1       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-185711-1

Client Sample ID: TT03-02-5.5-210607

Lab Sample ID: 480-185711-5

Date Collected: 06/07/21 11:00

Matrix: Solid

Date Received: 06/07/21 14:10

Percent Solids: 68.4

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

| Analyte            | Result | Qualifier | RL  | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------|--------|-----------|-----|------|-------|---|----------------|----------------|---------|
| Heptachlor epoxide | ND     |           | 2.4 | 0.62 | ug/Kg | ☆ | 06/14/21 08:11 | 06/16/21 12:01 | 1       |
| Methoxychlor       | 3.6    | J         | 2.4 | 0.49 | ug/Kg | ☆ | 06/14/21 08:11 | 06/16/21 12:01 | 1       |
| Toxaphene          | ND     |           | 24  | 14   | ug/Kg | ☆ | 06/14/21 08:11 | 06/16/21 12:01 | 1       |
| 4,4'-DDD           | 7.0    | J         | 2.4 | 0.47 | ug/Kg | ☆ | 06/14/21 08:11 | 06/16/21 12:01 | 1       |
| Mirex              | 8.1    | J         | 2.4 | 0.59 | ug/Kg | ☆ | 06/14/21 08:11 | 06/16/21 12:01 | 1       |

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| DCB Decachlorobiphenyl | 84        |           | 45 - 120 | 06/14/21 08:11 | 06/16/21 12:01 | 1       |
| DCB Decachlorobiphenyl | 317       | S1+       | 45 - 120 | 06/14/21 08:11 | 06/16/21 12:01 | 1       |
| Tetrachloro-m-xylene   | 79        |           | 30 - 124 | 06/14/21 08:11 | 06/16/21 12:01 | 1       |
| Tetrachloro-m-xylene   | 135       | S1+       | 30 - 124 | 06/14/21 08:11 | 06/16/21 12:01 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| PCB-1016 | ND     |           | 0.28 | 0.055 | mg/Kg | ☆ | 06/14/21 07:19 | 06/14/21 20:36 | 1       |
| PCB-1221 | ND     |           | 0.28 | 0.055 | mg/Kg | ☆ | 06/14/21 07:19 | 06/14/21 20:36 | 1       |
| PCB-1232 | ND     |           | 0.28 | 0.055 | mg/Kg | ☆ | 06/14/21 07:19 | 06/14/21 20:36 | 1       |
| PCB-1242 | 0.12   | J J       | 0.28 | 0.055 | mg/Kg | ☆ | 06/14/21 07:19 | 06/14/21 20:36 | 1       |
| PCB-1248 | ND     |           | 0.28 | 0.055 | mg/Kg | ☆ | 06/14/21 07:19 | 06/14/21 20:36 | 1       |
| PCB-1254 | ND     |           | 0.28 | 0.13  | mg/Kg | ☆ | 06/14/21 07:19 | 06/14/21 20:36 | 1       |
| PCB-1260 | ND     |           | 0.28 | 0.13  | mg/Kg | ☆ | 06/14/21 07:19 | 06/14/21 20:36 | 1       |
| PCB-1262 | ND     |           | 0.28 | 0.13  | mg/Kg | ☆ | 06/14/21 07:19 | 06/14/21 20:36 | 1       |
| PCB-1268 | ND     |           | 0.28 | 0.13  | mg/Kg | ☆ | 06/14/21 07:19 | 06/14/21 20:36 | 1       |

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| Tetrachloro-m-xylene   | 100       |           | 60 - 154 | 06/14/21 07:19 | 06/14/21 20:36 | 1       |
| Tetrachloro-m-xylene   | 104       |           | 60 - 154 | 06/14/21 07:19 | 06/14/21 20:36 | 1       |
| DCB Decachlorobiphenyl | 76        |           | 65 - 174 | 06/14/21 07:19 | 06/14/21 20:36 | 1       |
| DCB Decachlorobiphenyl | 82        |           | 65 - 174 | 06/14/21 07:19 | 06/14/21 20:36 | 1       |

## Method: 6010C - Metals (ICP)

| Analyte   | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| Aluminum  | 21200  |           | 15.5 | 6.8   | mg/Kg | ☆ | 06/09/21 16:49 | 06/10/21 17:40 | 1       |
| Antimony  | ND     |           | 23.2 | 0.62  | mg/Kg | ☆ | 06/09/21 16:49 | 06/10/21 17:40 | 1       |
| Arsenic   | 4.6    |           | 3.1  | 0.62  | mg/Kg | ☆ | 06/09/21 16:49 | 06/10/21 17:40 | 1       |
| Barium    | 115    |           | 0.77 | 0.17  | mg/Kg | ☆ | 06/09/21 16:49 | 06/10/21 17:40 | 1       |
| Beryllium | 0.92   |           | 0.31 | 0.043 | mg/Kg | ☆ | 06/09/21 16:49 | 06/10/21 17:40 | 1       |
| Cadmium   | 6.5    |           | 0.31 | 0.046 | mg/Kg | ☆ | 06/09/21 16:49 | 06/10/21 17:40 | 1       |
| Calcium   | 50200  | B         | 77.4 | 5.1   | mg/Kg | ☆ | 06/09/21 16:49 | 06/10/21 17:40 | 1       |
| Chromium  | 34.1   |           | 0.77 | 0.31  | mg/Kg | ☆ | 06/09/21 16:49 | 06/10/21 17:40 | 1       |
| Cobalt    | 13.8   |           | 0.77 | 0.077 | mg/Kg | ☆ | 06/09/21 16:49 | 06/10/21 17:40 | 1       |
| Copper    | 36.1   |           | 1.5  | 0.33  | mg/Kg | ☆ | 06/09/21 16:49 | 06/10/21 17:40 | 1       |
| Iron      | 39900  | ^2 ^+     | 15.5 | 5.4   | mg/Kg | ☆ | 06/09/21 16:49 | 06/10/21 17:40 | 1       |
| Lead      | 319    |           | 1.5  | 0.37  | mg/Kg | ☆ | 06/09/21 16:49 | 06/10/21 17:40 | 1       |
| Magnesium | 13900  | B         | 31.0 | 1.4   | mg/Kg | ☆ | 06/09/21 16:49 | 06/10/21 17:40 | 1       |
| Manganese | 571    | B ^+      | 0.31 | 0.050 | mg/Kg | ☆ | 06/09/21 16:49 | 06/10/21 17:40 | 1       |
| Nickel    | 36.7   |           | 7.7  | 0.36  | mg/Kg | ☆ | 06/09/21 16:49 | 06/10/21 17:40 | 1       |
| Potassium | 5920   |           | 46.5 | 31.0  | mg/Kg | ☆ | 06/09/21 16:49 | 06/10/21 17:40 | 1       |
| Selenium  | ND     |           | 6.2  | 0.62  | mg/Kg | ☆ | 06/09/21 16:49 | 06/10/21 17:40 | 1       |
| Silver    | ND     |           | 0.93 | 0.31  | mg/Kg | ☆ | 06/09/21 16:49 | 06/10/21 17:40 | 1       |

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ALH 8/2/21

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-185711-1

**Client Sample ID: TT03-02-5.5-210607**

**Lab Sample ID: 480-185711-5**

Date Collected: 06/07/21 11:00

Matrix: Solid

Date Received: 06/07/21 14:10

Percent Solids: 68.4

## Method: 6010C - Metals (ICP) (Continued)

| Analyte  | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------|-----------|------|------|-------|---|----------------|----------------|---------|
| Sodium   | 329    | B         | 217  | 20.1 | mg/Kg | ✱ | 06/09/21 16:49 | 06/10/21 17:40 | 1       |
| Thallium | ND     |           | 9.3  | 0.46 | mg/Kg | ✱ | 06/09/21 16:49 | 06/10/21 17:40 | 1       |
| Vanadium | 43.1   |           | 0.77 | 0.17 | mg/Kg | ✱ | 06/09/21 16:49 | 06/10/21 17:40 | 1       |
| Zinc     | 182    |           | 3.1  | 0.99 | mg/Kg | ✱ | 06/09/21 16:49 | 06/10/21 17:40 | 1       |

## Method: 7471B - Mercury (CVAA)

| Analyte | Result | Qualifier | RL    | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------|--------|-----------|-------|-------|-------|---|----------------|----------------|---------|
| Mercury | 0.049  |           | 0.031 | 0.012 | mg/Kg | ✱ | 06/16/21 12:25 | 06/16/21 14:49 | 1       |



# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-185711-1

Client Sample ID: TT04-04-4.5-210607

Lab Sample ID: 480-185711-6

Date Collected: 06/07/21 11:40

Matrix: Solid

Date Received: 06/07/21 14:10

Percent Solids: 61.1

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

| Analyte                               | Result      | Qualifier   | RL  | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------------------------|-------------|-------------|-----|------|-------|---|----------------|----------------|---------|
| 1,1,1-Trichloroethane                 | ND          | vs          | 8.1 | 0.59 | ug/Kg | ☆ | 06/11/21 10:30 | 06/11/21 18:23 | 1       |
| 1,1,2,2-Tetrachloroethane             | ND          | vs          | 8.1 | 1.3  | ug/Kg | ☆ | 06/11/21 10:30 | 06/11/21 18:23 | 1       |
| 1,1,2-Trichloroethane                 | ND          | vs          | 8.1 | 1.0  | ug/Kg | ☆ | 06/11/21 10:30 | 06/11/21 18:23 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND          | vs          | 8.1 | 1.8  | ug/Kg | ☆ | 06/11/21 10:30 | 06/11/21 18:23 | 1       |
| 1,1-Dichloroethane                    | ND          | vs          | 8.1 | 0.98 | ug/Kg | ☆ | 06/11/21 10:30 | 06/11/21 18:23 | 1       |
| 1,1-Dichloroethene                    | ND          | vs          | 8.1 | 0.99 | ug/Kg | ☆ | 06/11/21 10:30 | 06/11/21 18:23 | 1       |
| 1,2,4-Trichlorobenzene                | ND          | vs          | 8.1 | 0.49 | ug/Kg | ☆ | 06/11/21 10:30 | 06/11/21 18:23 | 1       |
| 1,2-Dibromo-3-Chloropropane           | ND          | vs          | 8.1 | 4.0  | ug/Kg | ☆ | 06/11/21 10:30 | 06/11/21 18:23 | 1       |
| 1,2-Dibromoethane                     | ND          | vs          | 8.1 | 1.0  | ug/Kg | ☆ | 06/11/21 10:30 | 06/11/21 18:23 | 1       |
| <b>1,2-Dichlorobenzene</b>            | <b>0.74</b> | <b>J vs</b> | 8.1 | 0.63 | ug/Kg | ☆ | 06/11/21 10:30 | 06/11/21 18:23 | 1       |
| 1,2-Dichloroethane                    | ND          | vs          | 8.1 | 0.40 | ug/Kg | ☆ | 06/11/21 10:30 | 06/11/21 18:23 | 1       |
| 1,2-Dichloropropane                   | ND          | vs          | 8.1 | 4.0  | ug/Kg | ☆ | 06/11/21 10:30 | 06/11/21 18:23 | 1       |
| 1,3-Dichlorobenzene                   | ND          | vs          | 8.1 | 0.41 | ug/Kg | ☆ | 06/11/21 10:30 | 06/11/21 18:23 | 1       |
| <b>1,4-Dichlorobenzene</b>            | <b>5.9</b>  | <b>J vs</b> | 8.1 | 1.1  | ug/Kg | ☆ | 06/11/21 10:30 | 06/11/21 18:23 | 1       |
| 2-Hexanone                            | ND          | vs          | 40  | 4.0  | ug/Kg | ☆ | 06/11/21 10:30 | 06/11/21 18:23 | 1       |
| <b>2-Butanone (MEK)</b>               | <b>11</b>   | <b>J vs</b> | 40  | 2.9  | ug/Kg | ☆ | 06/11/21 10:30 | 06/11/21 18:23 | 1       |
| 4-Methyl-2-pentanone (MIBK)           | ND          | vs          | 40  | 2.6  | ug/Kg | ☆ | 06/11/21 10:30 | 06/11/21 18:23 | 1       |
| <b>Acetone</b>                        | <b>45</b>   | <b>vs</b>   | 40  | 6.8  | ug/Kg | ☆ | 06/11/21 10:30 | 06/11/21 18:23 | 1       |
| <b>Benzene</b>                        | <b>3.2</b>  | <b>J vs</b> | 8.1 | 0.39 | ug/Kg | ☆ | 06/11/21 10:30 | 06/11/21 18:23 | 1       |
| Bromodichloromethane                  | ND          | vs          | 8.1 | 1.1  | ug/Kg | ☆ | 06/11/21 10:30 | 06/11/21 18:23 | 1       |
| Bromoform                             | ND          | vs          | 8.1 | 4.0  | ug/Kg | ☆ | 06/11/21 10:30 | 06/11/21 18:23 | 1       |
| Bromomethane                          | ND          | vs *+ UJ    | 8.1 | 0.73 | ug/Kg | ☆ | 06/11/21 10:30 | 06/11/21 18:23 | 1       |
| <b>Carbon disulfide</b>               | <b>4.5</b>  | <b>J vs</b> | 8.1 | 4.0  | ug/Kg | ☆ | 06/11/21 10:30 | 06/11/21 18:23 | 1       |
| Carbon tetrachloride                  | ND          | vs          | 8.1 | 0.78 | ug/Kg | ☆ | 06/11/21 10:30 | 06/11/21 18:23 | 1       |
| <b>Chlorobenzene</b>                  | <b>13</b>   | <b>vs</b>   | 8.1 | 1.1  | ug/Kg | ☆ | 06/11/21 10:30 | 06/11/21 18:23 | 1       |
| Dibromochloromethane                  | ND          | vs          | 8.1 | 1.0  | ug/Kg | ☆ | 06/11/21 10:30 | 06/11/21 18:23 | 1       |
| Chloroethane                          | ND          | vs *+ UJ    | 8.1 | 1.8  | ug/Kg | ☆ | 06/11/21 10:30 | 06/11/21 18:23 | 1       |
| Chloroform                            | ND          | vs          | 8.1 | 0.50 | ug/Kg | ☆ | 06/11/21 10:30 | 06/11/21 18:23 | 1       |
| Chloromethane                         | ND          | vs          | 8.1 | 0.49 | ug/Kg | ☆ | 06/11/21 10:30 | 06/11/21 18:23 | 1       |
| cis-1,2-Dichloroethene                | ND          | vs          | 8.1 | 1.0  | ug/Kg | ☆ | 06/11/21 10:30 | 06/11/21 18:23 | 1       |
| cis-1,3-Dichloropropene               | ND          | vs          | 8.1 | 1.2  | ug/Kg | ☆ | 06/11/21 10:30 | 06/11/21 18:23 | 1       |
| Cyclohexane                           | ND          | vs          | 8.1 | 1.1  | ug/Kg | ☆ | 06/11/21 10:30 | 06/11/21 18:23 | 1       |
| Dichlorodifluoromethane               | ND          | vs UJ       | 8.1 | 0.67 | ug/Kg | ☆ | 06/11/21 10:30 | 06/11/21 18:23 | 1       |
| <b>Ethylbenzene</b>                   | <b>3.7</b>  | <b>J vs</b> | 8.1 | 0.56 | ug/Kg | ☆ | 06/11/21 10:30 | 06/11/21 18:23 | 1       |
| <b>Isopropylbenzene</b>               | <b>20</b>   | <b>vs</b>   | 8.1 | 1.2  | ug/Kg | ☆ | 06/11/21 10:30 | 06/11/21 18:23 | 1       |
| Methyl acetate                        | ND          | vs          | 40  | 4.9  | ug/Kg | ☆ | 06/11/21 10:30 | 06/11/21 18:23 | 1       |
| Methyl tert-butyl ether               | ND          | vs          | 8.1 | 0.79 | ug/Kg | ☆ | 06/11/21 10:30 | 06/11/21 18:23 | 1       |
| <b>Methylcyclohexane</b>              | <b>2.2</b>  | <b>J vs</b> | 8.1 | 1.2  | ug/Kg | ☆ | 06/11/21 10:30 | 06/11/21 18:23 | 1       |
| <b>Methylene Chloride</b>             | <b>8.3</b>  | <b>vs</b>   | 8.1 | 3.7  | ug/Kg | ☆ | 06/11/21 10:30 | 06/11/21 18:23 | 1       |
| Styrene                               | ND          | vs          | 8.1 | 0.40 | ug/Kg | ☆ | 06/11/21 10:30 | 06/11/21 18:23 | 1       |
| Tetrachloroethene                     | ND          | vs          | 8.1 | 1.1  | ug/Kg | ☆ | 06/11/21 10:30 | 06/11/21 18:23 | 1       |
| <b>Toluene</b>                        | <b>1.1</b>  | <b>J vs</b> | 8.1 | 0.61 | ug/Kg | ☆ | 06/11/21 10:30 | 06/11/21 18:23 | 1       |
| trans-1,2-Dichloroethene              | ND          | vs          | 8.1 | 0.83 | ug/Kg | ☆ | 06/11/21 10:30 | 06/11/21 18:23 | 1       |
| trans-1,3-Dichloropropene             | ND          | vs          | 8.1 | 3.5  | ug/Kg | ☆ | 06/11/21 10:30 | 06/11/21 18:23 | 1       |
| Trichloroethene                       | ND          | vs          | 8.1 | 1.8  | ug/Kg | ☆ | 06/11/21 10:30 | 06/11/21 18:23 | 1       |
| Trichlorofluoromethane                | ND          | vs UJ       | 8.1 | 0.76 | ug/Kg | ☆ | 06/11/21 10:30 | 06/11/21 18:23 | 1       |
| Vinyl chloride                        | ND          | vs UJ       | 8.1 | 0.98 | ug/Kg | ☆ | 06/11/21 10:30 | 06/11/21 18:23 | 1       |
| <b>Xylenes, Total</b>                 | <b>83</b>   | <b>vs</b>   | 16  | 1.4  | ug/Kg | ☆ | 06/11/21 10:30 | 06/11/21 18:23 | 1       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-185711-1

Client Sample ID: TT04-04-4.5-210607

Lab Sample ID: 480-185711-6

Date Collected: 06/07/21 11:40

Matrix: Solid

Date Received: 06/07/21 14:10

Percent Solids: 61.1

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 99        |           | 64 - 126 | 06/11/21 10:30 | 06/11/21 18:23 | 1       |
| Toluene-d8 (Surr)            | 97        |           | 71 - 125 | 06/11/21 10:30 | 06/11/21 18:23 | 1       |
| 4-Bromofluorobenzene (Surr)  | 95        |           | 72 - 126 | 06/11/21 10:30 | 06/11/21 18:23 | 1       |

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

| Analyte                       | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|--------|-----------|------|------|-------|---|----------------|----------------|---------|
| 2,4,5-Trichlorophenol         | ND     |           | 280  | 75   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 17:47 | 1       |
| 2,4,6-Trichlorophenol         | ND     |           | 280  | 55   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 17:47 | 1       |
| 2,4-Dichlorophenol            | ND     |           | 280  | 29   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 17:47 | 1       |
| 2,4-Dimethylphenol            | ND     |           | 280  | 66   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 17:47 | 1       |
| 2,4-Dinitrophenol             | ND     |           | 2700 | 1300 | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 17:47 | 1       |
| 2,4-Dinitrotoluene            | ND     |           | 280  | 57   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 17:47 | 1       |
| 2,6-Dinitrotoluene            | ND     |           | 280  | 32   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 17:47 | 1       |
| 2-Chloronaphthalene           | ND     |           | 280  | 45   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 17:47 | 1       |
| 2-Chlorophenol                | ND     |           | 540  | 50   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 17:47 | 1       |
| 2-Methylnaphthalene           | ND     |           | 280  | 55   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 17:47 | 1       |
| 2-Methylphenol                | ND     |           | 280  | 32   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 17:47 | 1       |
| 2-Nitroaniline                | ND     |           | 540  | 41   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 17:47 | 1       |
| 2-Nitrophenol                 | ND     |           | 280  | 78   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 17:47 | 1       |
| 3,3'-Dichlorobenzidine        | ND     |           | 540  | 320  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 17:47 | 1       |
| 3-Nitroaniline                | ND     |           | 540  | 76   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 17:47 | 1       |
| 4,6-Dinitro-2-methylphenol    | ND     |           | 540  | 280  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 17:47 | 1       |
| 4-Bromophenyl phenyl ether    | ND     |           | 280  | 39   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 17:47 | 1       |
| 4-Chloro-3-methylphenol       | ND     |           | 280  | 68   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 17:47 | 1       |
| 4-Chloroaniline               | ND     |           | 280  | 68   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 17:47 | 1       |
| 4-Chlorophenyl phenyl ether   | ND     |           | 280  | 34   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 17:47 | 1       |
| 4-Methylphenol                | 41     | J         | 540  | 32   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 17:47 | 1       |
| 4-Nitroaniline                | ND     |           | 540  | 140  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 17:47 | 1       |
| 4-Nitrophenol                 | ND     |           | 540  | 190  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 17:47 | 1       |
| Acenaphthene                  | ND     |           | 280  | 41   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 17:47 | 1       |
| Acenaphthylene                | ND     |           | 280  | 36   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 17:47 | 1       |
| Acetophenone                  | ND     |           | 280  | 37   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 17:47 | 1       |
| Anthracene                    | ND     |           | 280  | 68   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 17:47 | 1       |
| Atrazine                      | ND     |           | 280  | 96   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 17:47 | 1       |
| Benzaldehyde                  | ND     |           | 280  | 220  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 17:47 | 1       |
| Benzo(a)anthracene            | ND     |           | 280  | 28   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 17:47 | 1       |
| Benzo(a)pyrene                | ND     |           | 280  | 41   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 17:47 | 1       |
| Benzo(b)fluoranthene          | ND     |           | 280  | 44   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 17:47 | 1       |
| Benzo(g,h,i)perylene          | ND     |           | 280  | 29   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 17:47 | 1       |
| Benzo(k)fluoranthene          | ND     |           | 280  | 36   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 17:47 | 1       |
| Benzoic acid                  | ND     |           | 7800 | 2400 | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 17:47 | 1       |
| Biphenyl                      | 85     | J         | 280  | 41   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 17:47 | 1       |
| bis (2-chloroisopropyl) ether | ND     |           | 280  | 55   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 17:47 | 1       |
| Bis(2-chloroethoxy)methane    | ND     |           | 280  | 58   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 17:47 | 1       |
| Bis(2-chloroethyl)ether       | ND     |           | 280  | 36   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 17:47 | 1       |
| Bis(2-ethylhexyl) phthalate   | 400    |           | 280  | 94   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 17:47 | 1       |
| Butyl benzyl phthalate        | ND     |           | 280  | 45   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 17:47 | 1       |
| Caprolactam                   | ND     |           | 280  | 83   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 17:47 | 1       |
| Carbazole                     | ND     |           | 280  | 32   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 17:47 | 1       |
| Chrysene                      | ND     |           | 280  | 62   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 17:47 | 1       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-185711-1

Client Sample ID: TT04-04-4.5-210607

Lab Sample ID: 480-185711-6

Date Collected: 06/07/21 11:40

Matrix: Solid

Date Received: 06/07/21 14:10

Percent Solids: 61.1

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

| Analyte                   | Result | Qualifier | RL  | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------------|--------|-----------|-----|-----|-------|---|----------------|----------------|---------|
| Dibenz(a,h)anthracene     | ND     |           | 280 | 49  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 17:47 | 1       |
| Dibenzofuran              | ND     |           | 280 | 32  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 17:47 | 1       |
| Diethyl phthalate         | ND     |           | 280 | 36  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 17:47 | 1       |
| Dimethyl phthalate        | ND     |           | 280 | 32  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 17:47 | 1       |
| Di-n-butyl phthalate      | 61     | J         | 280 | 47  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 17:47 | 1       |
| Di-n-octyl phthalate      | ND     |           | 280 | 32  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 17:47 | 1       |
| Fluoranthene              | ND     |           | 280 | 29  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 17:47 | 1       |
| Fluorene                  | ND     |           | 280 | 32  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 17:47 | 1       |
| Hexachlorobenzene         | ND     |           | 280 | 37  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 17:47 | 1       |
| Hexachlorobutadiene       | ND     |           | 280 | 41  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 17:47 | 1       |
| Hexachlorocyclopentadiene | ND     |           | 280 | 37  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 17:47 | 1       |
| Hexachloroethane          | ND     |           | 280 | 36  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 17:47 | 1       |
| Indeno(1,2,3-cd)pyrene    | ND     |           | 280 | 34  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 17:47 | 1       |
| Isophorone                | ND     |           | 280 | 58  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 17:47 | 1       |
| Naphthalene               | ND     |           | 280 | 36  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 17:47 | 1       |
| Nitrobenzene              | ND     |           | 280 | 31  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 17:47 | 1       |
| N-Nitrosodi-n-propylamine | ND     |           | 280 | 47  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 17:47 | 1       |
| N-Nitrosodiphenylamine    | ND     |           | 280 | 220 | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 17:47 | 1       |
| Pentachlorophenol         | ND     |           | 540 | 280 | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 17:47 | 1       |
| Phenanthrene              | ND     |           | 280 | 41  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 17:47 | 1       |
| Phenol                    | ND     |           | 280 | 42  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 17:47 | 1       |
| Pyrene                    | ND     |           | 280 | 32  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 17:47 | 1       |

| Surrogate            | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 2,4,6-Tribromophenol | 104       |           | 54 - 120 | 06/08/21 15:17 | 06/16/21 17:47 | 1       |
| 2-Fluorobiphenyl     | 93        |           | 60 - 120 | 06/08/21 15:17 | 06/16/21 17:47 | 1       |
| 2-Fluorophenol       | 79        |           | 52 - 120 | 06/08/21 15:17 | 06/16/21 17:47 | 1       |
| Nitrobenzene-d5      | 79        |           | 53 - 120 | 06/08/21 15:17 | 06/16/21 17:47 | 1       |
| Phenol-d5            | 77        |           | 54 - 120 | 06/08/21 15:17 | 06/16/21 17:47 | 1       |
| p-Terphenyl-d14      | 101       |           | 79 - 130 | 06/08/21 15:17 | 06/16/21 17:47 | 1       |

## Method: 8081B - Organochlorine Pesticides (GC)

| Analyte             | Result | Qualifier | RL | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|--------|-----------|----|-----|-------|---|----------------|----------------|---------|
| 4,4'-DDE            | ND     |           | 27 | 5.7 | ug/Kg | ☆ | 06/14/21 08:11 | 06/16/21 12:21 | 10      |
| 4,4'-DDT            | 27     | 16-J U    | 27 | 6.3 | ug/Kg | ☆ | 06/14/21 08:11 | 06/16/21 12:21 | 10      |
| Aldrin              | ND     |           | 27 | 6.7 | ug/Kg | ☆ | 06/14/21 08:11 | 06/16/21 12:21 | 10      |
| alpha-BHC           | ND     |           | 27 | 4.9 | ug/Kg | ☆ | 06/14/21 08:11 | 06/16/21 12:21 | 10      |
| cis-Chlordane       | ND     |           | 27 | 13  | ug/Kg | ☆ | 06/14/21 08:11 | 06/16/21 12:21 | 10      |
| beta-BHC            | ND     |           | 27 | 4.9 | ug/Kg | ☆ | 06/14/21 08:11 | 06/16/21 12:21 | 10      |
| delta-BHC           | ND     |           | 27 | 5.0 | ug/Kg | ☆ | 06/14/21 08:11 | 06/16/21 12:21 | 10      |
| Dieldrin            | ND     |           | 27 | 6.5 | ug/Kg | ☆ | 06/14/21 08:11 | 06/16/21 12:21 | 10      |
| Endosulfan I        | ND     |           | 27 | 5.2 | ug/Kg | ☆ | 06/14/21 08:11 | 06/16/21 12:21 | 10      |
| Endosulfan II       | ND     |           | 27 | 4.9 | ug/Kg | ☆ | 06/14/21 08:11 | 06/16/21 12:21 | 10      |
| Endosulfan sulfate  | ND     |           | 27 | 5.0 | ug/Kg | ☆ | 06/14/21 08:11 | 06/16/21 12:21 | 10      |
| Endrin              | ND     |           | 27 | 5.4 | ug/Kg | ☆ | 06/14/21 08:11 | 06/16/21 12:21 | 10      |
| Endrin aldehyde     | ND     |           | 27 | 6.9 | ug/Kg | ☆ | 06/14/21 08:11 | 06/16/21 12:21 | 10      |
| Endrin ketone       | ND     |           | 27 | 6.7 | ug/Kg | ☆ | 06/14/21 08:11 | 06/16/21 12:21 | 10      |
| gamma-BHC (Lindane) | ND     |           | 27 | 5.0 | ug/Kg | ☆ | 06/14/21 08:11 | 06/16/21 12:21 | 10      |
| trans-Chlordane     | ND     |           | 27 | 8.6 | ug/Kg | ☆ | 06/14/21 08:11 | 06/16/21 12:21 | 10      |
| Heptachlor          | ND     |           | 27 | 5.9 | ug/Kg | ☆ | 06/14/21 08:11 | 06/16/21 12:21 | 10      |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-185711-1

Client Sample ID: TT04-04-4.5-210607

Lab Sample ID: 480-185711-6

Date Collected: 06/07/21 11:40

Matrix: Solid

Date Received: 06/07/21 14:10

Percent Solids: 61.1

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

| Analyte            | Result | Qualifier | RL  | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------|--------|-----------|-----|-----|-------|---|----------------|----------------|---------|
| Heptachlor epoxide | ND     |           | 27  | 7.0 | ug/Kg | ☆ | 06/14/21 08:11 | 06/16/21 12:21 | 10      |
| Methoxychlor       | ND     |           | 27  | 5.5 | ug/Kg | ☆ | 06/14/21 08:11 | 06/16/21 12:21 | 10      |
| Toxaphene          | ND     |           | 270 | 160 | ug/Kg | ☆ | 06/14/21 08:11 | 06/16/21 12:21 | 10      |
| 4,4'-DDD           | ND     |           | 27  | 5.3 | ug/Kg | ☆ | 06/14/21 08:11 | 06/16/21 12:21 | 10      |
| Mirex              | 11     | J J       | 27  | 6.6 | ug/Kg | ☆ | 06/14/21 08:11 | 06/16/21 12:21 | 10      |

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| DCB Decachlorobiphenyl | 0         | S1-       | 45 - 120 | 06/14/21 08:11 | 06/16/21 12:21 | 10      |
| DCB Decachlorobiphenyl | 0         | S1-       | 45 - 120 | 06/14/21 08:11 | 06/16/21 12:21 | 10      |
| Tetrachloro-m-xylene   | 51        |           | 30 - 124 | 06/14/21 08:11 | 06/16/21 12:21 | 10      |
| Tetrachloro-m-xylene   | 60        |           | 30 - 124 | 06/14/21 08:11 | 06/16/21 12:21 | 10      |

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

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| PCB-1016 | ND     |           | 0.34 | 0.066 | mg/Kg | ☆ | 06/14/21 07:19 | 06/14/21 20:49 | 1       |
| PCB-1221 | ND     |           | 0.34 | 0.066 | mg/Kg | ☆ | 06/14/21 07:19 | 06/14/21 20:49 | 1       |
| PCB-1232 | ND     |           | 0.34 | 0.066 | mg/Kg | ☆ | 06/14/21 07:19 | 06/14/21 20:49 | 1       |
| PCB-1242 | 0.24   | J J       | 0.34 | 0.066 | mg/Kg | ☆ | 06/14/21 07:19 | 06/14/21 20:49 | 1       |
| PCB-1248 | ND     |           | 0.34 | 0.066 | mg/Kg | ☆ | 06/14/21 07:19 | 06/14/21 20:49 | 1       |
| PCB-1254 | ND     |           | 0.34 | 0.16  | mg/Kg | ☆ | 06/14/21 07:19 | 06/14/21 20:49 | 1       |
| PCB-1260 | ND     |           | 0.34 | 0.16  | mg/Kg | ☆ | 06/14/21 07:19 | 06/14/21 20:49 | 1       |
| PCB-1262 | ND     |           | 0.34 | 0.16  | mg/Kg | ☆ | 06/14/21 07:19 | 06/14/21 20:49 | 1       |
| PCB-1268 | ND     |           | 0.34 | 0.16  | mg/Kg | ☆ | 06/14/21 07:19 | 06/14/21 20:49 | 1       |

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| Tetrachloro-m-xylene   | 103       |           | 60 - 154 | 06/14/21 07:19 | 06/14/21 20:49 | 1       |
| Tetrachloro-m-xylene   | 107       |           | 60 - 154 | 06/14/21 07:19 | 06/14/21 20:49 | 1       |
| DCB Decachlorobiphenyl | 76        |           | 65 - 174 | 06/14/21 07:19 | 06/14/21 20:49 | 1       |
| DCB Decachlorobiphenyl | 82        |           | 65 - 174 | 06/14/21 07:19 | 06/14/21 20:49 | 1       |

## Method: 6010C - Metals (ICP)

| Analyte   | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| Aluminum  | 8930   |           | 17.0 | 7.5   | mg/Kg | ☆ | 06/09/21 16:49 | 06/10/21 17:44 | 1       |
| Antimony  | 5.2    | J B       | 25.6 | 0.68  | mg/Kg | ☆ | 06/09/21 16:49 | 06/10/21 17:44 | 1       |
| Arsenic   | 8.3    |           | 3.4  | 0.68  | mg/Kg | ☆ | 06/09/21 16:49 | 06/10/21 17:44 | 1       |
| Barium    | 64.7   |           | 0.85 | 0.19  | mg/Kg | ☆ | 06/09/21 16:49 | 06/10/21 17:44 | 1       |
| Beryllium | 0.38   |           | 0.34 | 0.048 | mg/Kg | ☆ | 06/09/21 16:49 | 06/10/21 17:44 | 1       |
| Cadmium   | 1.1    |           | 0.34 | 0.051 | mg/Kg | ☆ | 06/09/21 16:49 | 06/10/21 17:44 | 1       |
| Calcium   | 56300  | B         | 85.2 | 5.6   | mg/Kg | ☆ | 06/09/21 16:49 | 06/10/21 17:44 | 1       |
| Chromium  | 27.9   |           | 0.85 | 0.34  | mg/Kg | ☆ | 06/09/21 16:49 | 06/10/21 17:44 | 1       |
| Cobalt    | 9.0    |           | 0.85 | 0.085 | mg/Kg | ☆ | 06/09/21 16:49 | 06/10/21 17:44 | 1       |
| Copper    | 38.6   |           | 1.7  | 0.36  | mg/Kg | ☆ | 06/09/21 16:49 | 06/10/21 17:44 | 1       |
| Iron      | 30800  | ^2 ^+     | 17.0 | 6.0   | mg/Kg | ☆ | 06/09/21 16:49 | 06/10/21 17:44 | 1       |
| Lead      | 29.4   |           | 1.7  | 0.41  | mg/Kg | ☆ | 06/09/21 16:49 | 06/10/21 17:44 | 1       |
| Magnesium | 21000  | B         | 34.1 | 1.6   | mg/Kg | ☆ | 06/09/21 16:49 | 06/10/21 17:44 | 1       |
| Manganese | 500    | B ^+      | 0.34 | 0.055 | mg/Kg | ☆ | 06/09/21 16:49 | 06/10/21 17:44 | 1       |
| Nickel    | 26.2   |           | 8.5  | 0.39  | mg/Kg | ☆ | 06/09/21 16:49 | 06/10/21 17:44 | 1       |
| Potassium | 2230   |           | 51.1 | 34.1  | mg/Kg | ☆ | 06/09/21 16:49 | 06/10/21 17:44 | 1       |
| Selenium  | ND     |           | 6.8  | 0.68  | mg/Kg | ☆ | 06/09/21 16:49 | 06/10/21 17:44 | 1       |
| Silver    | ND     |           | 1.0  | 0.34  | mg/Kg | ☆ | 06/09/21 16:49 | 06/10/21 17:44 | 1       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-185711-1

**Client Sample ID: TT04-04-4.5-210607**

**Lab Sample ID: 480-185711-6**

**Date Collected: 06/07/21 11:40**

**Matrix: Solid**

**Date Received: 06/07/21 14:10**

**Percent Solids: 61.1**

## Method: 6010C - Metals (ICP) (Continued)

| Analyte  | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------|-----------|------|------|-------|---|----------------|----------------|---------|
| Sodium   | 242    | B         | 238  | 22.1 | mg/Kg | ✱ | 06/09/21 16:49 | 06/10/21 17:44 | 1       |
| Thallium | ND     |           | 10.2 | 0.51 | mg/Kg | ✱ | 06/09/21 16:49 | 06/10/21 17:44 | 1       |
| Vanadium | 23.3   |           | 0.85 | 0.19 | mg/Kg | ✱ | 06/09/21 16:49 | 06/10/21 17:44 | 1       |
| Zinc     | 245    |           | 3.4  | 1.1  | mg/Kg | ✱ | 06/09/21 16:49 | 06/10/21 17:44 | 1       |

## Method: 7471B - Mercury (CVAA)

| Analyte | Result | Qualifier | RL    | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------|--------|-----------|-------|-------|-------|---|----------------|----------------|---------|
| Mercury | 0.41   |           | 0.027 | 0.011 | mg/Kg | ✱ | 06/16/21 12:25 | 06/16/21 14:50 | 1       |

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-185711-1

Client Sample ID: TT05-4.5-5.0-210607

Lab Sample ID: 480-185711-7

Date Collected: 06/07/21 12:10

Matrix: Solid

Date Received: 06/07/21 14:10

Percent Solids: 70.0

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

| Analyte                               | Result     | Qualifier   | RL  | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------------------------|------------|-------------|-----|------|-------|---|----------------|----------------|---------|
| 1,1,1-Trichloroethane                 | ND         | vs          | 6.9 | 0.50 | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 18:47 | 1       |
| 1,1,2,2-Tetrachloroethane             | ND         | vs          | 6.9 | 1.1  | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 18:47 | 1       |
| 1,1,2-Trichloroethane                 | ND         | vs          | 6.9 | 0.90 | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 18:47 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND         | vs          | 6.9 | 1.6  | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 18:47 | 1       |
| 1,1-Dichloroethane                    | ND         | vs          | 6.9 | 0.84 | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 18:47 | 1       |
| 1,1-Dichloroethene                    | ND         | vs          | 6.9 | 0.85 | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 18:47 | 1       |
| 1,2,4-Trichlorobenzene                | ND         | vs          | 6.9 | 0.42 | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 18:47 | 1       |
| 1,2-Dibromo-3-Chloropropane           | ND         | vs          | 6.9 | 3.5  | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 18:47 | 1       |
| 1,2-Dibromoethane                     | ND         | vs          | 6.9 | 0.89 | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 18:47 | 1       |
| 1,2-Dichlorobenzene                   | ND         | vs          | 6.9 | 0.54 | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 18:47 | 1       |
| 1,2-Dichloroethane                    | ND         | vs          | 6.9 | 0.35 | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 18:47 | 1       |
| 1,2-Dichloropropane                   | ND         | vs          | 6.9 | 3.5  | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 18:47 | 1       |
| 1,3-Dichlorobenzene                   | ND         | vs          | 6.9 | 0.36 | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 18:47 | 1       |
| <b>1,4-Dichlorobenzene</b>            | <b>4.8</b> | <b>J vs</b> | 6.9 | 0.97 | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 18:47 | 1       |
| 2-Hexanone                            | ND         | vs          | 35  | 3.5  | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 18:47 | 1       |
| <b>2-Butanone (MEK)</b>               | <b>9.6</b> | <b>J vs</b> | 35  | 2.5  | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 18:47 | 1       |
| 4-Methyl-2-pentanone (MIBK)           | ND         | vs          | 35  | 2.3  | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 18:47 | 1       |
| <b>Acetone</b>                        | <b>41</b>  | <b>vs</b>   | 35  | 5.8  | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 18:47 | 1       |
| <b>Benzene</b>                        | <b>4.3</b> | <b>J vs</b> | 6.9 | 0.34 | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 18:47 | 1       |
| Bromodichloromethane                  | ND         | vs          | 6.9 | 0.93 | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 18:47 | 1       |
| Bromoform                             | ND         | vs          | 6.9 | 3.5  | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 18:47 | 1       |
| Bromomethane                          | ND         | vs *+ UJ    | 6.9 | 0.62 | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 18:47 | 1       |
| <b>Carbon disulfide</b>               | <b>7.4</b> | <b>vs</b>   | 6.9 | 3.5  | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 18:47 | 1       |
| Carbon tetrachloride                  | ND         | vs          | 6.9 | 0.67 | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 18:47 | 1       |
| <b>Chlorobenzene</b>                  | <b>14</b>  | <b>vs</b>   | 6.9 | 0.91 | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 18:47 | 1       |
| Dibromochloromethane                  | ND         | vs          | 6.9 | 0.89 | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 18:47 | 1       |
| Chloroethane                          | ND         | vs *+ UJ    | 6.9 | 1.6  | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 18:47 | 1       |
| Chloroform                            | ND         | vs          | 6.9 | 0.43 | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 18:47 | 1       |
| Chloromethane                         | ND         | vs          | 6.9 | 0.42 | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 18:47 | 1       |
| cis-1,2-Dichloroethene                | ND         | vs          | 6.9 | 0.89 | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 18:47 | 1       |
| cis-1,3-Dichloropropene               | ND         | vs          | 6.9 | 1.0  | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 18:47 | 1       |
| <b>Cyclohexane</b>                    | <b>1.1</b> | <b>J vs</b> | 6.9 | 0.97 | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 18:47 | 1       |
| Dichlorodifluoromethane               | ND         | vs UJ       | 6.9 | 0.57 | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 18:47 | 1       |
| <b>Ethylbenzene</b>                   | <b>4.7</b> | <b>J vs</b> | 6.9 | 0.48 | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 18:47 | 1       |
| <b>Isopropylbenzene</b>               | <b>19</b>  | <b>vs</b>   | 6.9 | 1.0  | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 18:47 | 1       |
| Methyl acetate                        | ND         | vs          | 35  | 4.2  | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 18:47 | 1       |
| Methyl tert-butyl ether               | ND         | vs          | 6.9 | 0.68 | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 18:47 | 1       |
| <b>Methylcyclohexane</b>              | <b>2.7</b> | <b>J vs</b> | 6.9 | 1.1  | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 18:47 | 1       |
| <b>Methylene Chloride</b>             | <b>9.4</b> | <b>vs</b>   | 6.9 | 3.2  | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 18:47 | 1       |
| Styrene                               | ND         | vs          | 6.9 | 0.35 | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 18:47 | 1       |
| Tetrachloroethene                     | ND         | vs          | 6.9 | 0.93 | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 18:47 | 1       |
| Toluene                               | ND         | vs          | 6.9 | 0.52 | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 18:47 | 1       |
| trans-1,2-Dichloroethene              | ND         | vs          | 6.9 | 0.71 | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 18:47 | 1       |
| trans-1,3-Dichloropropene             | ND         | vs          | 6.9 | 3.0  | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 18:47 | 1       |
| Trichloroethene                       | ND         | vs          | 6.9 | 1.5  | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 18:47 | 1       |
| Trichlorofluoromethane                | ND         | vs UJ       | 6.9 | 0.65 | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 18:47 | 1       |
| Vinyl chloride                        | ND         | vs UJ       | 6.9 | 0.84 | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 18:47 | 1       |
| <b>Xylenes, Total</b>                 | <b>57</b>  | <b>vs</b>   | 14  | 1.2  | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 18:47 | 1       |

Eurofins TestAmerica, Buffalo



# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-185711-1

**Client Sample ID: TT05-4.5-5.0-210607**

**Lab Sample ID: 480-185711-7**

**Date Collected: 06/07/21 12:10**

**Matrix: Solid**

**Date Received: 06/07/21 14:10**

**Percent Solids: 70.0**

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 99        |           | 64 - 126 | 06/11/21 10:30 | 06/11/21 18:47 | 1       |
| Toluene-d8 (Surr)            | 98        |           | 71 - 125 | 06/11/21 10:30 | 06/11/21 18:47 | 1       |
| 4-Bromofluorobenzene (Surr)  | 97        |           | 72 - 126 | 06/11/21 10:30 | 06/11/21 18:47 | 1       |

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

| Analyte                            | Result     | Qualifier | RL   | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|------------------------------------|------------|-----------|------|------|-------|---|----------------|----------------|---------|
| 2,4,5-Trichlorophenol              | ND         |           | 240  | 65   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:11 | 1       |
| 2,4,6-Trichlorophenol              | ND         |           | 240  | 48   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:11 | 1       |
| 2,4-Dichlorophenol                 | ND         |           | 240  | 26   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:11 | 1       |
| 2,4-Dimethylphenol                 | ND         |           | 240  | 58   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:11 | 1       |
| 2,4-Dinitrophenol                  | ND         |           | 2400 | 1100 | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:11 | 1       |
| 2,4-Dinitrotoluene                 | ND         |           | 240  | 50   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:11 | 1       |
| 2,6-Dinitrotoluene                 | ND         |           | 240  | 28   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:11 | 1       |
| 2-Chloronaphthalene                | ND         |           | 240  | 40   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:11 | 1       |
| 2-Chlorophenol                     | ND         |           | 470  | 44   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:11 | 1       |
| 2-Methylnaphthalene                | ND         |           | 240  | 48   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:11 | 1       |
| 2-Methylphenol                     | ND         |           | 240  | 28   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:11 | 1       |
| 2-Nitroaniline                     | ND         |           | 470  | 36   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:11 | 1       |
| 2-Nitrophenol                      | ND         |           | 240  | 68   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:11 | 1       |
| 3,3'-Dichlorobenzidine             | ND         |           | 470  | 280  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:11 | 1       |
| 3-Nitroaniline                     | ND         |           | 470  | 67   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:11 | 1       |
| 4,6-Dinitro-2-methylphenol         | ND         |           | 470  | 240  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:11 | 1       |
| 4-Bromophenyl phenyl ether         | ND         |           | 240  | 34   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:11 | 1       |
| 4-Chloro-3-methylphenol            | ND         |           | 240  | 60   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:11 | 1       |
| 4-Chloroaniline                    | ND         |           | 240  | 60   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:11 | 1       |
| 4-Chlorophenyl phenyl ether        | ND         |           | 240  | 30   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:11 | 1       |
| 4-Methylphenol                     | ND         |           | 470  | 28   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:11 | 1       |
| 4-Nitroaniline                     | ND         |           | 470  | 130  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:11 | 1       |
| 4-Nitrophenol                      | ND         |           | 470  | 170  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:11 | 1       |
| Acenaphthene                       | ND         |           | 240  | 36   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:11 | 1       |
| Acenaphthylene                     | ND         |           | 240  | 31   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:11 | 1       |
| Acetophenone                       | ND         |           | 240  | 33   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:11 | 1       |
| Anthracene                         | ND         |           | 240  | 60   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:11 | 1       |
| Atrazine                           | ND         |           | 240  | 84   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:11 | 1       |
| Benzaldehyde                       | ND         |           | 240  | 190  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:11 | 1       |
| Benzo(a)anthracene                 | ND         |           | 240  | 24   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:11 | 1       |
| Benzo(a)pyrene                     | ND         |           | 240  | 36   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:11 | 1       |
| Benzo(b)fluoranthene               | ND         |           | 240  | 38   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:11 | 1       |
| Benzo(g,h,i)perylene               | ND         |           | 240  | 26   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:11 | 1       |
| Benzo(k)fluoranthene               | ND         |           | 240  | 31   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:11 | 1       |
| Benzoic acid                       | ND         |           | 6800 | 2100 | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:11 | 1       |
| Biphenyl                           | ND         |           | 240  | 36   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:11 | 1       |
| bis (2-chloroisopropyl) ether      | ND         |           | 240  | 48   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:11 | 1       |
| Bis(2-chloroethoxy)methane         | ND         |           | 240  | 51   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:11 | 1       |
| Bis(2-chloroethyl)ether            | ND         |           | 240  | 31   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:11 | 1       |
| <b>Bis(2-ethylhexyl) phthalate</b> | <b>250</b> |           | 240  | 83   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:11 | 1       |
| Butyl benzyl phthalate             | ND         |           | 240  | 40   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:11 | 1       |
| Caprolactam                        | ND         |           | 240  | 73   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:11 | 1       |
| Carbazole                          | ND         |           | 240  | 28   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:11 | 1       |
| Chrysene                           | ND         |           | 240  | 54   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:11 | 1       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-185711-1

Client Sample ID: TT05-4.5-5.0-210607

Lab Sample ID: 480-185711-7

Date Collected: 06/07/21 12:10

Matrix: Solid

Date Received: 06/07/21 14:10

Percent Solids: 70.0

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

| Analyte                   | Result | Qualifier | RL  | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------------|--------|-----------|-----|-----|-------|---|----------------|----------------|---------|
| Dibenz(a,h)anthracene     | ND     |           | 240 | 43  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:11 | 1       |
| Dibenzofuran              | ND     |           | 240 | 28  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:11 | 1       |
| Diethyl phthalate         | ND     |           | 240 | 31  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:11 | 1       |
| Dimethyl phthalate        | ND     |           | 240 | 28  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:11 | 1       |
| Di-n-butyl phthalate      | ND     |           | 240 | 41  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:11 | 1       |
| Di-n-octyl phthalate      | ND     |           | 240 | 28  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:11 | 1       |
| Fluoranthene              | ND     |           | 240 | 26  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:11 | 1       |
| Fluorene                  | ND     |           | 240 | 28  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:11 | 1       |
| Hexachlorobenzene         | ND     |           | 240 | 33  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:11 | 1       |
| Hexachlorobutadiene       | ND     |           | 240 | 36  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:11 | 1       |
| Hexachlorocyclopentadiene | ND     |           | 240 | 33  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:11 | 1       |
| Hexachloroethane          | ND     |           | 240 | 31  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:11 | 1       |
| Indeno(1,2,3-cd)pyrene    | ND     |           | 240 | 30  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:11 | 1       |
| Isophorone                | ND     |           | 240 | 51  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:11 | 1       |
| Naphthalene               | ND     |           | 240 | 31  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:11 | 1       |
| Nitrobenzene              | ND     |           | 240 | 27  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:11 | 1       |
| N-Nitrosodi-n-propylamine | ND     |           | 240 | 41  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:11 | 1       |
| N-Nitrosodiphenylamine    | ND     |           | 240 | 200 | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:11 | 1       |
| Pentachlorophenol         | ND     |           | 470 | 240 | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:11 | 1       |
| Phenanthrene              | ND     |           | 240 | 36  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:11 | 1       |
| Phenol                    | ND     |           | 240 | 37  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:11 | 1       |
| Pyrene                    | ND     |           | 240 | 28  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:11 | 1       |

| Surrogate            | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 2,4,6-Tribromophenol | 108       |           | 54 - 120 | 06/08/21 15:17 | 06/16/21 18:11 | 1       |
| 2-Fluorobiphenyl     | 99        |           | 60 - 120 | 06/08/21 15:17 | 06/16/21 18:11 | 1       |
| 2-Fluorophenol       | 87        |           | 52 - 120 | 06/08/21 15:17 | 06/16/21 18:11 | 1       |
| Nitrobenzene-d5      | 84        |           | 53 - 120 | 06/08/21 15:17 | 06/16/21 18:11 | 1       |
| Phenol-d5            | 84        |           | 54 - 120 | 06/08/21 15:17 | 06/16/21 18:11 | 1       |
| p-Terphenyl-d14      | 109       |           | 79 - 130 | 06/08/21 15:17 | 06/16/21 18:11 | 1       |

## Method: 8081B - Organochlorine Pesticides (GC)

| Analyte             | Result | Qualifier | RL  | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|--------|-----------|-----|------|-------|---|----------------|----------------|---------|
| 4,4'-DDE            | ND     |           | 2.4 | 0.49 | ug/Kg | ☆ | 06/14/21 08:15 | 06/16/21 12:40 | 1       |
| 4,4'-DDT            | 2.4    | 1.0 J-- U | 2.4 | 0.55 | ug/Kg | ☆ | 06/14/21 08:15 | 06/16/21 12:40 | 1       |
| Aldrin              | ND     |           | 2.4 | 0.58 | ug/Kg | ☆ | 06/14/21 08:15 | 06/16/21 12:40 | 1       |
| alpha-BHC           | ND     |           | 2.4 | 0.42 | ug/Kg | ☆ | 06/14/21 08:15 | 06/16/21 12:40 | 1       |
| cis-Chlordane       | ND     |           | 2.4 | 1.2  | ug/Kg | ☆ | 06/14/21 08:15 | 06/16/21 12:40 | 1       |
| beta-BHC            | ND     |           | 2.4 | 0.42 | ug/Kg | ☆ | 06/14/21 08:15 | 06/16/21 12:40 | 1       |
| delta-BHC           | ND     |           | 2.4 | 0.44 | ug/Kg | ☆ | 06/14/21 08:15 | 06/16/21 12:40 | 1       |
| Dieldrin            | ND     |           | 2.4 | 0.56 | ug/Kg | ☆ | 06/14/21 08:15 | 06/16/21 12:40 | 1       |
| Endosulfan I        | ND     |           | 2.4 | 0.45 | ug/Kg | ☆ | 06/14/21 08:15 | 06/16/21 12:40 | 1       |
| Endosulfan II       | ND     |           | 2.4 | 0.42 | ug/Kg | ☆ | 06/14/21 08:15 | 06/16/21 12:40 | 1       |
| Endosulfan sulfate  | ND     |           | 2.4 | 0.44 | ug/Kg | ☆ | 06/14/21 08:15 | 06/16/21 12:40 | 1       |
| Endrin              | ND     |           | 2.4 | 0.47 | ug/Kg | ☆ | 06/14/21 08:15 | 06/16/21 12:40 | 1       |
| Endrin aldehyde     | 0.97   | J         | 2.4 | 0.60 | ug/Kg | ☆ | 06/14/21 08:15 | 06/16/21 12:40 | 1       |
| Endrin ketone       | 1.4    | J         | 2.4 | 0.58 | ug/Kg | ☆ | 06/14/21 08:15 | 06/16/21 12:40 | 1       |
| gamma-BHC (Lindane) | ND     |           | 2.4 | 0.43 | ug/Kg | ☆ | 06/14/21 08:15 | 06/16/21 12:40 | 1       |
| trans-Chlordane     | ND     |           | 2.4 | 0.75 | ug/Kg | ☆ | 06/14/21 08:15 | 06/16/21 12:40 | 1       |
| Heptachlor          | 2.0    | J         | 2.4 | 0.51 | ug/Kg | ☆ | 06/14/21 08:15 | 06/16/21 12:40 | 1       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-185711-1

Client Sample ID: TT05-4.5-5.0-210607

Lab Sample ID: 480-185711-7

Date Collected: 06/07/21 12:10

Matrix: Solid

Date Received: 06/07/21 14:10

Percent Solids: 70.0

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

| Analyte             | Result      | Qualifier | RL  | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|-------------|-----------|-----|------|-------|---|----------------|----------------|---------|
| Heptachlor epoxide  | ND          |           | 2.4 | 0.61 | ug/Kg | ✱ | 06/14/21 08:15 | 06/16/21 12:40 | 1       |
| <b>Methoxychlor</b> | <b>0.97</b> | <b>J</b>  | 2.4 | 0.48 | ug/Kg | ✱ | 06/14/21 08:15 | 06/16/21 12:40 | 1       |
| Toxaphene           | ND          |           | 24  | 14   | ug/Kg | ✱ | 06/14/21 08:15 | 06/16/21 12:40 | 1       |
| <b>4,4'-DDD</b>     | <b>6.0</b>  |           | 2.4 | 0.46 | ug/Kg | ✱ | 06/14/21 08:15 | 06/16/21 12:40 | 1       |
| Mirex               | ND          |           | 2.4 | 0.58 | ug/Kg | ✱ | 06/14/21 08:15 | 06/16/21 12:40 | 1       |

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| DCB Decachlorobiphenyl | 79        |           | 45 - 120 | 06/14/21 08:15 | 06/16/21 12:40 | 1       |
| DCB Decachlorobiphenyl | 71        |           | 45 - 120 | 06/14/21 08:15 | 06/16/21 12:40 | 1       |
| Tetrachloro-m-xylene   | 61        |           | 30 - 124 | 06/14/21 08:15 | 06/16/21 12:40 | 1       |
| Tetrachloro-m-xylene   | 51        |           | 30 - 124 | 06/14/21 08:15 | 06/16/21 12:40 | 1       |

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

| Analyte         | Result      | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------|-------------|-----------|------|-------|-------|---|----------------|----------------|---------|
| PCB-1016        | ND          |           | 0.28 | 0.055 | mg/Kg | ✱ | 06/14/21 07:19 | 06/14/21 21:01 | 1       |
| PCB-1221        | ND          |           | 0.28 | 0.055 | mg/Kg | ✱ | 06/14/21 07:19 | 06/14/21 21:01 | 1       |
| PCB-1232        | ND          |           | 0.28 | 0.055 | mg/Kg | ✱ | 06/14/21 07:19 | 06/14/21 21:01 | 1       |
| <b>PCB-1242</b> | <b>0.22</b> | <b>J</b>  | 0.28 | 0.055 | mg/Kg | ✱ | 06/14/21 07:19 | 06/14/21 21:01 | 1       |
| PCB-1248        | ND          |           | 0.28 | 0.055 | mg/Kg | ✱ | 06/14/21 07:19 | 06/14/21 21:01 | 1       |
| PCB-1254        | ND          |           | 0.28 | 0.13  | mg/Kg | ✱ | 06/14/21 07:19 | 06/14/21 21:01 | 1       |
| PCB-1260        | ND          |           | 0.28 | 0.13  | mg/Kg | ✱ | 06/14/21 07:19 | 06/14/21 21:01 | 1       |
| PCB-1262        | ND          |           | 0.28 | 0.13  | mg/Kg | ✱ | 06/14/21 07:19 | 06/14/21 21:01 | 1       |
| PCB-1268        | ND          |           | 0.28 | 0.13  | mg/Kg | ✱ | 06/14/21 07:19 | 06/14/21 21:01 | 1       |

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| Tetrachloro-m-xylene   | 111       |           | 60 - 154 | 06/14/21 07:19 | 06/14/21 21:01 | 1       |
| Tetrachloro-m-xylene   | 113       |           | 60 - 154 | 06/14/21 07:19 | 06/14/21 21:01 | 1       |
| DCB Decachlorobiphenyl | 83        |           | 65 - 174 | 06/14/21 07:19 | 06/14/21 21:01 | 1       |
| DCB Decachlorobiphenyl | 87        |           | 65 - 174 | 06/14/21 07:19 | 06/14/21 21:01 | 1       |

## Method: 6010C - Metals (ICP)

| Analyte          | Result       | Qualifier    | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|------------------|--------------|--------------|------|-------|-------|---|----------------|----------------|---------|
| <b>Aluminum</b>  | <b>13500</b> |              | 14.1 | 6.2   | mg/Kg | ✱ | 06/09/21 16:49 | 06/10/21 17:48 | 1       |
| Antimony         | ND           |              | 21.1 | 0.56  | mg/Kg | ✱ | 06/09/21 16:49 | 06/10/21 17:48 | 1       |
| <b>Arsenic</b>   | <b>7.5</b>   |              | 2.8  | 0.56  | mg/Kg | ✱ | 06/09/21 16:49 | 06/10/21 17:48 | 1       |
| <b>Barium</b>    | <b>145</b>   |              | 0.70 | 0.15  | mg/Kg | ✱ | 06/09/21 16:49 | 06/10/21 17:48 | 1       |
| <b>Beryllium</b> | <b>0.62</b>  |              | 0.28 | 0.039 | mg/Kg | ✱ | 06/09/21 16:49 | 06/10/21 17:48 | 1       |
| <b>Cadmium</b>   | <b>1.7</b>   |              | 0.28 | 0.042 | mg/Kg | ✱ | 06/09/21 16:49 | 06/10/21 17:48 | 1       |
| <b>Calcium</b>   | <b>43800</b> | <b>B</b>     | 70.3 | 4.6   | mg/Kg | ✱ | 06/09/21 16:49 | 06/10/21 17:48 | 1       |
| <b>Chromium</b>  | <b>28.0</b>  |              | 0.70 | 0.28  | mg/Kg | ✱ | 06/09/21 16:49 | 06/10/21 17:48 | 1       |
| <b>Cobalt</b>    | <b>11.0</b>  |              | 0.70 | 0.070 | mg/Kg | ✱ | 06/09/21 16:49 | 06/10/21 17:48 | 1       |
| <b>Copper</b>    | <b>37.5</b>  |              | 1.4  | 0.30  | mg/Kg | ✱ | 06/09/21 16:49 | 06/10/21 17:48 | 1       |
| <b>Iron</b>      | <b>53700</b> | <b>^2 ^+</b> | 14.1 | 4.9   | mg/Kg | ✱ | 06/09/21 16:49 | 06/10/21 17:48 | 1       |
| <b>Lead</b>      | <b>50.5</b>  |              | 1.4  | 0.34  | mg/Kg | ✱ | 06/09/21 16:49 | 06/10/21 17:48 | 1       |
| <b>Magnesium</b> | <b>12800</b> | <b>B</b>     | 28.1 | 1.3   | mg/Kg | ✱ | 06/09/21 16:49 | 06/10/21 17:48 | 1       |
| <b>Manganese</b> | <b>522</b>   | <b>B ^+</b>  | 0.28 | 0.045 | mg/Kg | ✱ | 06/09/21 16:49 | 06/10/21 17:48 | 1       |
| <b>Nickel</b>    | <b>34.0</b>  |              | 7.0  | 0.32  | mg/Kg | ✱ | 06/09/21 16:49 | 06/10/21 17:48 | 1       |
| <b>Potassium</b> | <b>3290</b>  |              | 42.2 | 28.1  | mg/Kg | ✱ | 06/09/21 16:49 | 06/10/21 17:48 | 1       |
| Selenium         | ND           |              | 5.6  | 0.56  | mg/Kg | ✱ | 06/09/21 16:49 | 06/10/21 17:48 | 1       |
| Silver           | ND           |              | 0.84 | 0.28  | mg/Kg | ✱ | 06/09/21 16:49 | 06/10/21 17:48 | 1       |

Eurofins TestAmerica, Buffalo

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-185711-1

**Client Sample ID: TT05-4.5-5.0-210607**

**Lab Sample ID: 480-185711-7**

**Date Collected: 06/07/21 12:10**

**Matrix: Solid**

**Date Received: 06/07/21 14:10**

**Percent Solids: 70.0**

## Method: 6010C - Metals (ICP) (Continued)

| Analyte  | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------|-----------|------|------|-------|---|----------------|----------------|---------|
| Sodium   | 251    | B         | 197  | 18.3 | mg/Kg | ✱ | 06/09/21 16:49 | 06/10/21 17:48 | 1       |
| Thallium | ND     |           | 8.4  | 0.42 | mg/Kg | ✱ | 06/09/21 16:49 | 06/10/21 17:48 | 1       |
| Vanadium | 28.3   |           | 0.70 | 0.15 | mg/Kg | ✱ | 06/09/21 16:49 | 06/10/21 17:48 | 1       |
| Zinc     | 235    |           | 2.8  | 0.90 | mg/Kg | ✱ | 06/09/21 16:49 | 06/10/21 17:48 | 1       |

## Method: 7471B - Mercury (CVAA)

| Analyte | Result | Qualifier | RL    | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------|--------|-----------|-------|-------|-------|---|----------------|----------------|---------|
| Mercury | 0.75   |           | 0.033 | 0.013 | mg/Kg | ✱ | 06/16/21 12:25 | 06/16/21 14:52 | 1       |

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-185711-1

Client Sample ID: TT06-4.5-5.0-210607

Lab Sample ID: 480-185711-8

Date Collected: 06/07/21 12:30

Matrix: Solid

Date Received: 06/07/21 14:10

Percent Solids: 70.2

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

| Analyte                               | Result      | Qualifier       | RL  | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------------------------|-------------|-----------------|-----|------|-------|---|----------------|----------------|---------|
| 1,1,1-Trichloroethane                 | ND          | vs              | 7.1 | 0.52 | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 19:12 | 1       |
| <b>1,1,2,2-Tetrachloroethane</b>      | <b>3.5</b>  | <b>J vs</b>     | 7.1 | 1.2  | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 19:12 | 1       |
| 1,1,2-Trichloroethane                 | ND          | vs              | 7.1 | 0.93 | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 19:12 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND          | vs              | 7.1 | 1.6  | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 19:12 | 1       |
| 1,1-Dichloroethane                    | ND          | vs              | 7.1 | 0.87 | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 19:12 | 1       |
| 1,1-Dichloroethene                    | ND          | vs              | 7.1 | 0.87 | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 19:12 | 1       |
| 1,2,4-Trichlorobenzene                | ND          | vs              | 7.1 | 0.43 | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 19:12 | 1       |
| 1,2-Dibromo-3-Chloropropane           | ND          | vs              | 7.1 | 3.6  | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 19:12 | 1       |
| 1,2-Dibromoethane                     | ND          | vs              | 7.1 | 0.91 | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 19:12 | 1       |
| <b>1,2-Dichlorobenzene</b>            | <b>0.92</b> | <b>J vs</b>     | 7.1 | 0.56 | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 19:12 | 1       |
| 1,2-Dichloroethane                    | ND          | vs              | 7.1 | 0.36 | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 19:12 | 1       |
| 1,2-Dichloropropane                   | ND          | vs              | 7.1 | 3.6  | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 19:12 | 1       |
| 1,3-Dichlorobenzene                   | ND          | vs              | 7.1 | 0.37 | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 19:12 | 1       |
| <b>1,4-Dichlorobenzene</b>            | <b>13</b>   | <b>vs</b>       | 7.1 | 1.0  | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 19:12 | 1       |
| 2-Hexanone                            | ND          | vs              | 36  | 3.6  | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 19:12 | 1       |
| <b>2-Butanone (MEK)</b>               | <b>12</b>   | <b>J vs</b>     | 36  | 2.6  | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 19:12 | 1       |
| 4-Methyl-2-pentanone (MIBK)           | ND          | vs              | 36  | 2.3  | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 19:12 | 1       |
| <b>Acetone</b>                        | <b>49</b>   | <b>vs</b>       | 36  | 6.0  | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 19:12 | 1       |
| <b>Benzene</b>                        | <b>4.4</b>  | <b>J vs</b>     | 7.1 | 0.35 | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 19:12 | 1       |
| Bromodichloromethane                  | ND          | vs              | 7.1 | 0.95 | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 19:12 | 1       |
| Bromoform                             | ND          | vs              | 7.1 | 3.6  | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 19:12 | 1       |
| Bromomethane                          | ND          | vs <b>*+ UJ</b> | 7.1 | 0.64 | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 19:12 | 1       |
| <b>Carbon disulfide</b>               | <b>10</b>   | <b>vs</b>       | 7.1 | 3.6  | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 19:12 | 1       |
| Carbon tetrachloride                  | ND          | vs              | 7.1 | 0.69 | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 19:12 | 1       |
| <b>Chlorobenzene</b>                  | <b>22</b>   | <b>vs</b>       | 7.1 | 0.94 | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 19:12 | 1       |
| Dibromochloromethane                  | ND          | vs              | 7.1 | 0.91 | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 19:12 | 1       |
| Chloroethane                          | ND          | vs <b>*+ UJ</b> | 7.1 | 1.6  | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 19:12 | 1       |
| Chloroform                            | ND          | vs              | 7.1 | 0.44 | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 19:12 | 1       |
| Chloromethane                         | ND          | vs              | 7.1 | 0.43 | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 19:12 | 1       |
| cis-1,2-Dichloroethene                | ND          | vs              | 7.1 | 0.91 | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 19:12 | 1       |
| cis-1,3-Dichloropropene               | ND          | vs              | 7.1 | 1.0  | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 19:12 | 1       |
| Cyclohexane                           | ND          | vs              | 7.1 | 1.0  | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 19:12 | 1       |
| Dichlorodifluoromethane               | ND          | vs <b>UJ</b>    | 7.1 | 0.59 | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 19:12 | 1       |
| <b>Ethylbenzene</b>                   | <b>2.9</b>  | <b>J vs</b>     | 7.1 | 0.49 | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 19:12 | 1       |
| <b>Isopropylbenzene</b>               | <b>26</b>   | <b>vs</b>       | 7.1 | 1.1  | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 19:12 | 1       |
| Methyl acetate                        | ND          | vs              | 36  | 4.3  | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 19:12 | 1       |
| Methyl tert-butyl ether               | ND          | vs              | 7.1 | 0.70 | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 19:12 | 1       |
| <b>Methylcyclohexane</b>              | <b>2.4</b>  | <b>J vs</b>     | 7.1 | 1.1  | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 19:12 | 1       |
| <b>Methylene Chloride</b>             | <b>11</b>   | <b>vs</b>       | 7.1 | 3.3  | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 19:12 | 1       |
| Styrene                               | ND          | vs              | 7.1 | 0.36 | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 19:12 | 1       |
| Tetrachloroethene                     | ND          | vs              | 7.1 | 0.96 | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 19:12 | 1       |
| <b>Toluene</b>                        | <b>0.76</b> | <b>J vs</b>     | 7.1 | 0.54 | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 19:12 | 1       |
| trans-1,2-Dichloroethene              | ND          | vs              | 7.1 | 0.74 | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 19:12 | 1       |
| trans-1,3-Dichloropropene             | ND          | vs              | 7.1 | 3.1  | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 19:12 | 1       |
| Trichloroethene                       | ND          | vs              | 7.1 | 1.6  | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 19:12 | 1       |
| Trichlorofluoromethane                | ND          | vs <b>UJ</b>    | 7.1 | 0.67 | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 19:12 | 1       |
| Vinyl chloride                        | ND          | vs <b>UJ</b>    | 7.1 | 0.87 | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 19:12 | 1       |
| <b>Xylenes, Total</b>                 | <b>150</b>  | <b>vs</b>       | 14  | 1.2  | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 19:12 | 1       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-185711-1

**Client Sample ID: TT06-4.5-5.0-210607**

**Lab Sample ID: 480-185711-8**

**Date Collected: 06/07/21 12:30**

**Matrix: Solid**

**Date Received: 06/07/21 14:10**

**Percent Solids: 70.2**

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 99        |           | 64 - 126 | 06/11/21 10:30 | 06/11/21 19:12 | 1       |
| Toluene-d8 (Surr)            | 98        |           | 71 - 125 | 06/11/21 10:30 | 06/11/21 19:12 | 1       |
| 4-Bromofluorobenzene (Surr)  | 94        |           | 72 - 126 | 06/11/21 10:30 | 06/11/21 19:12 | 1       |

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

| Analyte                       | Result        | Qualifier | RL     | MDL    | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|---------------|-----------|--------|--------|-------|---|----------------|----------------|---------|
| 2,4,5-Trichlorophenol         | ND            |           | 12000  | 3300   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:35 | 5       |
| 2,4,6-Trichlorophenol         | ND            |           | 12000  | 2400   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:35 | 5       |
| 2,4-Dichlorophenol            | ND            |           | 12000  | 1300   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:35 | 5       |
| 2,4-Dimethylphenol            | ND            |           | 12000  | 2900   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:35 | 5       |
| 2,4-Dinitrophenol             | ND            |           | 120000 | 55000  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:35 | 5       |
| 2,4-Dinitrotoluene            | ND            |           | 12000  | 2500   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:35 | 5       |
| 2,6-Dinitrotoluene            | ND            |           | 12000  | 1400   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:35 | 5       |
| 2-Chloronaphthalene           | ND            |           | 12000  | 2000   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:35 | 5       |
| 2-Chlorophenol                | ND            |           | 23000  | 2200   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:35 | 5       |
| 2-Methylnaphthalene           | ND            |           | 12000  | 2400   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:35 | 5       |
| 2-Methylphenol                | ND            |           | 12000  | 1400   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:35 | 5       |
| 2-Nitroaniline                | ND            |           | 23000  | 1800   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:35 | 5       |
| 2-Nitrophenol                 | ND            |           | 12000  | 3400   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:35 | 5       |
| 3,3'-Dichlorobenzidine        | ND            |           | 23000  | 14000  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:35 | 5       |
| 3-Nitroaniline                | ND            |           | 23000  | 3300   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:35 | 5       |
| 4,6-Dinitro-2-methylphenol    | ND            |           | 23000  | 12000  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:35 | 5       |
| 4-Bromophenyl phenyl ether    | ND            |           | 12000  | 1700   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:35 | 5       |
| 4-Chloro-3-methylphenol       | ND            |           | 12000  | 3000   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:35 | 5       |
| 4-Chloroaniline               | ND            |           | 12000  | 3000   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:35 | 5       |
| 4-Chlorophenyl phenyl ether   | ND            |           | 12000  | 1500   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:35 | 5       |
| 4-Methylphenol                | ND            |           | 23000  | 1400   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:35 | 5       |
| 4-Nitroaniline                | ND            |           | 23000  | 6300   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:35 | 5       |
| 4-Nitrophenol                 | ND            |           | 23000  | 8400   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:35 | 5       |
| Acenaphthene                  | ND            |           | 12000  | 1800   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:35 | 5       |
| Acenaphthylene                | ND            |           | 12000  | 1600   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:35 | 5       |
| Acetophenone                  | ND            |           | 12000  | 1600   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:35 | 5       |
| Anthracene                    | ND            |           | 12000  | 3000   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:35 | 5       |
| Atrazine                      | ND            |           | 12000  | 4200   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:35 | 5       |
| Benzaldehyde                  | ND            |           | 12000  | 9500   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:35 | 5       |
| Benzo(a)anthracene            | ND            |           | 12000  | 1200   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:35 | 5       |
| Benzo(a)pyrene                | ND            |           | 12000  | 1800   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:35 | 5       |
| Benzo(b)fluoranthene          | ND            |           | 12000  | 1900   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:35 | 5       |
| Benzo(g,h,i)perylene          | ND            |           | 12000  | 1300   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:35 | 5       |
| Benzo(k)fluoranthene          | ND            |           | 12000  | 1600   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:35 | 5       |
| Benzoic acid                  | ND            |           | 340000 | 110000 | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:35 | 5       |
| Biphenyl                      | ND            |           | 12000  | 1800   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:35 | 5       |
| bis (2-chloroisopropyl) ether | ND            |           | 12000  | 2400   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:35 | 5       |
| Bis(2-chloroethoxy)methane    | ND            |           | 12000  | 2500   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:35 | 5       |
| Bis(2-chloroethyl)ether       | ND            |           | 12000  | 1600   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:35 | 5       |
| Bis(2-ethylhexyl) phthalate   | ND            |           | 12000  | 4100   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:35 | 5       |
| <b>Butyl benzyl phthalate</b> | <b>5700 J</b> |           | 12000  | 2000   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:35 | 5       |
| Caprolactam                   | ND            |           | 12000  | 3600   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:35 | 5       |
| Carbazole                     | ND            |           | 12000  | 1400   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:35 | 5       |
| Chrysene                      | ND            |           | 12000  | 2700   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:35 | 5       |

Eurofins TestAmerica, Buffalo

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-185711-1

Client Sample ID: TT06-4.5-5.0-210607

Lab Sample ID: 480-185711-8

Date Collected: 06/07/21 12:30

Matrix: Solid

Date Received: 06/07/21 14:10

Percent Solids: 70.2

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

| Analyte                   | Result | Qualifier | RL    | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------------|--------|-----------|-------|-------|-------|---|----------------|----------------|---------|
| Dibenz(a,h)anthracene     | ND     |           | 12000 | 2100  | ug/Kg | ✱ | 06/08/21 15:17 | 06/16/21 18:35 | 5       |
| Dibenzofuran              | ND     |           | 12000 | 1400  | ug/Kg | ✱ | 06/08/21 15:17 | 06/16/21 18:35 | 5       |
| Diethyl phthalate         | ND     |           | 12000 | 1600  | ug/Kg | ✱ | 06/08/21 15:17 | 06/16/21 18:35 | 5       |
| Dimethyl phthalate        | ND     |           | 12000 | 1400  | ug/Kg | ✱ | 06/08/21 15:17 | 06/16/21 18:35 | 5       |
| Di-n-butyl phthalate      | ND     |           | 12000 | 2100  | ug/Kg | ✱ | 06/08/21 15:17 | 06/16/21 18:35 | 5       |
| Di-n-octyl phthalate      | ND     |           | 12000 | 1400  | ug/Kg | ✱ | 06/08/21 15:17 | 06/16/21 18:35 | 5       |
| Fluoranthene              | ND     |           | 12000 | 1300  | ug/Kg | ✱ | 06/08/21 15:17 | 06/16/21 18:35 | 5       |
| Fluorene                  | ND     |           | 12000 | 1400  | ug/Kg | ✱ | 06/08/21 15:17 | 06/16/21 18:35 | 5       |
| Hexachlorobenzene         | ND     |           | 12000 | 1600  | ug/Kg | ✱ | 06/08/21 15:17 | 06/16/21 18:35 | 5       |
| Hexachlorobutadiene       | ND     |           | 12000 | 1800  | ug/Kg | ✱ | 06/08/21 15:17 | 06/16/21 18:35 | 5       |
| Hexachlorocyclopentadiene | ND     |           | 12000 | 1600  | ug/Kg | ✱ | 06/08/21 15:17 | 06/16/21 18:35 | 5       |
| Hexachloroethane          | ND     |           | 12000 | 1600  | ug/Kg | ✱ | 06/08/21 15:17 | 06/16/21 18:35 | 5       |
| Indeno(1,2,3-cd)pyrene    | ND     |           | 12000 | 1500  | ug/Kg | ✱ | 06/08/21 15:17 | 06/16/21 18:35 | 5       |
| Isophorone                | ND     |           | 12000 | 2500  | ug/Kg | ✱ | 06/08/21 15:17 | 06/16/21 18:35 | 5       |
| Naphthalene               | ND     |           | 12000 | 1600  | ug/Kg | ✱ | 06/08/21 15:17 | 06/16/21 18:35 | 5       |
| Nitrobenzene              | ND     |           | 12000 | 1300  | ug/Kg | ✱ | 06/08/21 15:17 | 06/16/21 18:35 | 5       |
| N-Nitrosodi-n-propylamine | ND     |           | 12000 | 2100  | ug/Kg | ✱ | 06/08/21 15:17 | 06/16/21 18:35 | 5       |
| N-Nitrosodiphenylamine    | ND     |           | 12000 | 9800  | ug/Kg | ✱ | 06/08/21 15:17 | 06/16/21 18:35 | 5       |
| Pentachlorophenol         | ND     |           | 23000 | 12000 | ug/Kg | ✱ | 06/08/21 15:17 | 06/16/21 18:35 | 5       |
| Phenanthrene              | ND     |           | 12000 | 1800  | ug/Kg | ✱ | 06/08/21 15:17 | 06/16/21 18:35 | 5       |
| Phenol                    | ND     |           | 12000 | 1800  | ug/Kg | ✱ | 06/08/21 15:17 | 06/16/21 18:35 | 5       |
| Pyrene                    | ND     |           | 12000 | 1400  | ug/Kg | ✱ | 06/08/21 15:17 | 06/16/21 18:35 | 5       |

| Surrogate            | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 2,4,6-Tribromophenol | 0         | S1-       | 54 - 120 | 06/08/21 15:17 | 06/16/21 18:35 | 5       |
| 2-Fluorobiphenyl     | 78        |           | 60 - 120 | 06/08/21 15:17 | 06/16/21 18:35 | 5       |
| 2-Fluorophenol       | 0         | S1-       | 52 - 120 | 06/08/21 15:17 | 06/16/21 18:35 | 5       |
| Nitrobenzene-d5      | 0         | S1-       | 53 - 120 | 06/08/21 15:17 | 06/16/21 18:35 | 5       |
| Phenol-d5            | 0         | S1-       | 54 - 120 | 06/08/21 15:17 | 06/16/21 18:35 | 5       |
| p-Terphenyl-d14      | 94        |           | 79 - 130 | 06/08/21 15:17 | 06/16/21 18:35 | 5       |

## Method: 8081B - Organochlorine Pesticides (GC)

| Analyte             | Result | Qualifier | RL  | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|--------|-----------|-----|-----|-------|---|----------------|----------------|---------|
| 4,4'-DDE            | ND     |           | 240 | 49  | ug/Kg | ✱ | 06/14/21 08:15 | 06/16/21 13:00 | 100     |
| 4,4'-DDT            | ND     |           | 240 | 55  | ug/Kg | ✱ | 06/14/21 08:15 | 06/16/21 13:00 | 100     |
| Aldrin              | ND     |           | 240 | 58  | ug/Kg | ✱ | 06/14/21 08:15 | 06/16/21 13:00 | 100     |
| alpha-BHC           | ND     |           | 240 | 42  | ug/Kg | ✱ | 06/14/21 08:15 | 06/16/21 13:00 | 100     |
| cis-Chlordane       | ND     |           | 240 | 120 | ug/Kg | ✱ | 06/14/21 08:15 | 06/16/21 13:00 | 100     |
| beta-BHC            | ND     |           | 240 | 42  | ug/Kg | ✱ | 06/14/21 08:15 | 06/16/21 13:00 | 100     |
| delta-BHC           | ND     |           | 240 | 44  | ug/Kg | ✱ | 06/14/21 08:15 | 06/16/21 13:00 | 100     |
| Dieldrin            | ND     |           | 240 | 56  | ug/Kg | ✱ | 06/14/21 08:15 | 06/16/21 13:00 | 100     |
| Endosulfan I        | ND     |           | 240 | 45  | ug/Kg | ✱ | 06/14/21 08:15 | 06/16/21 13:00 | 100     |
| Endosulfan II       | ND     |           | 240 | 42  | ug/Kg | ✱ | 06/14/21 08:15 | 06/16/21 13:00 | 100     |
| Endosulfan sulfate  | ND     |           | 240 | 44  | ug/Kg | ✱ | 06/14/21 08:15 | 06/16/21 13:00 | 100     |
| Endrin              | ND     |           | 240 | 47  | ug/Kg | ✱ | 06/14/21 08:15 | 06/16/21 13:00 | 100     |
| Endrin aldehyde     | 1300   |           | 240 | 60  | ug/Kg | ✱ | 06/14/21 08:15 | 06/16/21 13:00 | 100     |
| Endrin ketone       | ND     |           | 240 | 58  | ug/Kg | ✱ | 06/14/21 08:15 | 06/16/21 13:00 | 100     |
| gamma-BHC (Lindane) | ND     |           | 240 | 43  | ug/Kg | ✱ | 06/14/21 08:15 | 06/16/21 13:00 | 100     |
| trans-Chlordane     | ND     |           | 240 | 75  | ug/Kg | ✱ | 06/14/21 08:15 | 06/16/21 13:00 | 100     |
| Heptachlor          | ND     |           | 240 | 51  | ug/Kg | ✱ | 06/14/21 08:15 | 06/16/21 13:00 | 100     |

Eurofins TestAmerica, Buffalo

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-185711-1

Client Sample ID: TT06-4.5-5.0-210607

Lab Sample ID: 480-185711-8

Date Collected: 06/07/21 12:30

Matrix: Solid

Date Received: 06/07/21 14:10

Percent Solids: 70.2

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

| Analyte            | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------|--------|-----------|------|------|-------|---|----------------|----------------|---------|
| Heptachlor epoxide | ND     |           | 240  | 61   | ug/Kg | ✱ | 06/14/21 08:15 | 06/16/21 13:00 | 100     |
| Methoxychlor       | ND     |           | 240  | 48   | ug/Kg | ✱ | 06/14/21 08:15 | 06/16/21 13:00 | 100     |
| Toxaphene          | ND     |           | 2400 | 1400 | ug/Kg | ✱ | 06/14/21 08:15 | 06/16/21 13:00 | 100     |
| 4,4'-DDD           | ND     |           | 240  | 46   | ug/Kg | ✱ | 06/14/21 08:15 | 06/16/21 13:00 | 100     |
| Mirex              | ND     |           | 240  | 58   | ug/Kg | ✱ | 06/14/21 08:15 | 06/16/21 13:00 | 100     |

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| DCB Decachlorobiphenyl | 0         | S1-       | 45 - 120 | 06/14/21 08:15 | 06/16/21 13:00 | 100     |
| DCB Decachlorobiphenyl | 0         | S1-       | 45 - 120 | 06/14/21 08:15 | 06/16/21 13:00 | 100     |
| Tetrachloro-m-xylene   | 0         | S1-       | 30 - 124 | 06/14/21 08:15 | 06/16/21 13:00 | 100     |
| Tetrachloro-m-xylene   | 0         | S1-       | 30 - 124 | 06/14/21 08:15 | 06/16/21 13:00 | 100     |

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

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| PCB-1016 | ND     |           | 0.30 | 0.059 | mg/Kg | ✱ | 06/14/21 07:19 | 06/14/21 21:14 | 1       |
| PCB-1221 | ND     |           | 0.30 | 0.059 | mg/Kg | ✱ | 06/14/21 07:19 | 06/14/21 21:14 | 1       |
| PCB-1232 | ND     |           | 0.30 | 0.059 | mg/Kg | ✱ | 06/14/21 07:19 | 06/14/21 21:14 | 1       |
| PCB-1242 | 0.28   | J         | 0.30 | 0.059 | mg/Kg | ✱ | 06/14/21 07:19 | 06/14/21 21:14 | 1       |
| PCB-1248 | ND     |           | 0.30 | 0.059 | mg/Kg | ✱ | 06/14/21 07:19 | 06/14/21 21:14 | 1       |
| PCB-1254 | ND     |           | 0.30 | 0.14  | mg/Kg | ✱ | 06/14/21 07:19 | 06/14/21 21:14 | 1       |
| PCB-1260 | ND     |           | 0.30 | 0.14  | mg/Kg | ✱ | 06/14/21 07:19 | 06/14/21 21:14 | 1       |
| PCB-1262 | ND     |           | 0.30 | 0.14  | mg/Kg | ✱ | 06/14/21 07:19 | 06/14/21 21:14 | 1       |
| PCB-1268 | ND     |           | 0.30 | 0.14  | mg/Kg | ✱ | 06/14/21 07:19 | 06/14/21 21:14 | 1       |

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| Tetrachloro-m-xylene   | 101       |           | 60 - 154 | 06/14/21 07:19 | 06/14/21 21:14 | 1       |
| Tetrachloro-m-xylene   | 101       |           | 60 - 154 | 06/14/21 07:19 | 06/14/21 21:14 | 1       |
| DCB Decachlorobiphenyl | 83        |           | 65 - 174 | 06/14/21 07:19 | 06/14/21 21:14 | 1       |
| DCB Decachlorobiphenyl | 89        |           | 65 - 174 | 06/14/21 07:19 | 06/14/21 21:14 | 1       |

## Method: 6010C - Metals (ICP)

| Analyte   | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| Aluminum  | 14700  |           | 14.0 | 6.1   | mg/Kg | ✱ | 06/09/21 16:49 | 06/10/21 18:03 | 1       |
| Antimony  | ND     |           | 21.0 | 0.56  | mg/Kg | ✱ | 06/09/21 16:49 | 06/10/21 18:03 | 1       |
| Arsenic   | 4.3    |           | 2.8  | 0.56  | mg/Kg | ✱ | 06/09/21 16:49 | 06/10/21 18:03 | 1       |
| Barium    | 357    |           | 0.70 | 0.15  | mg/Kg | ✱ | 06/09/21 16:49 | 06/10/21 18:03 | 1       |
| Beryllium | 0.40   |           | 0.28 | 0.039 | mg/Kg | ✱ | 06/09/21 16:49 | 06/10/21 18:03 | 1       |
| Cadmium   | 15.6   |           | 0.28 | 0.042 | mg/Kg | ✱ | 06/09/21 16:49 | 06/11/21 15:07 | 1       |
| Calcium   | 59100  | B         | 69.9 | 4.6   | mg/Kg | ✱ | 06/09/21 16:49 | 06/10/21 18:03 | 1       |
| Chromium  | 701    |           | 0.70 | 0.28  | mg/Kg | ✱ | 06/09/21 16:49 | 06/10/21 18:03 | 1       |
| Cobalt    | 7.0    |           | 0.70 | 0.070 | mg/Kg | ✱ | 06/09/21 16:49 | 06/10/21 18:03 | 1       |
| Copper    | 160    |           | 1.4  | 0.29  | mg/Kg | ✱ | 06/09/21 16:49 | 06/10/21 18:03 | 1       |
| Iron      | 24600  | ^+        | 14.0 | 4.9   | mg/Kg | ✱ | 06/09/21 16:49 | 06/11/21 15:07 | 1       |
| Lead      | 274    |           | 1.4  | 0.34  | mg/Kg | ✱ | 06/09/21 16:49 | 06/10/21 18:03 | 1       |
| Magnesium | 11400  | B         | 28.0 | 1.3   | mg/Kg | ✱ | 06/09/21 16:49 | 06/10/21 18:03 | 1       |
| Manganese | 368    | B         | 0.28 | 0.045 | mg/Kg | ✱ | 06/09/21 16:49 | 06/11/21 15:07 | 1       |
| Nickel    | 32.5   |           | 7.0  | 0.32  | mg/Kg | ✱ | 06/09/21 16:49 | 06/10/21 18:03 | 1       |
| Potassium | 2490   |           | 41.9 | 28.0  | mg/Kg | ✱ | 06/09/21 16:49 | 06/10/21 18:03 | 1       |
| Selenium  | ND     |           | 5.6  | 0.56  | mg/Kg | ✱ | 06/09/21 16:49 | 06/10/21 18:03 | 1       |
| Silver    | 0.49   | J         | 0.84 | 0.28  | mg/Kg | ✱ | 06/09/21 16:49 | 06/10/21 18:03 | 1       |

Eurofins TestAmerica, Buffalo

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-185711-1

**Client Sample ID: TT06-4.5-5.0-210607**

**Lab Sample ID: 480-185711-8**

Date Collected: 06/07/21 12:30

Matrix: Solid

Date Received: 06/07/21 14:10

Percent Solids: 70.2

## Method: 6010C - Metals (ICP) (Continued)

| Analyte  | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------|-----------|------|------|-------|---|----------------|----------------|---------|
| Sodium   | 290    | B         | 196  | 18.2 | mg/Kg | ✱ | 06/09/21 16:49 | 06/10/21 18:03 | 1       |
| Thallium | ND     |           | 8.4  | 0.42 | mg/Kg | ✱ | 06/09/21 16:49 | 06/10/21 18:03 | 1       |
| Vanadium | 21.5   |           | 0.70 | 0.15 | mg/Kg | ✱ | 06/09/21 16:49 | 06/10/21 18:03 | 1       |
| Zinc     | 925    |           | 2.8  | 0.89 | mg/Kg | ✱ | 06/09/21 16:49 | 06/10/21 18:03 | 1       |

## Method: 7471B - Mercury (CVAA)

| Analyte | Result | Qualifier | RL    | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------|--------|-----------|-------|-------|-------|---|----------------|----------------|---------|
| Mercury | 0.41   |           | 0.033 | 0.013 | mg/Kg | ✱ | 06/16/21 12:25 | 06/16/21 14:53 | 1       |



# VALIDATA

Chemical Services, Inc.

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[www.datavalidator.com](http://www.datavalidator.com)

## DATA USABILITY SUMMARY REPORT

COMPANY: AECOM Technical Services Northeast, Inc.  
PROJECT NAME: Niagara Sanitation Wheatfield #932054  
CONTRACTED LAB: Eurofins Test America, Buffalo  
QA/QC LEVEL: DUSR  
ANALYTICAL METHOD(S): SW846 and EPA Methods  
VALIDATION GUIDELINES: USEPA Region II data validation SOPs (VOA HW-24 Rev.4, SVOC HW-22 Rev.5, PEST-HW-44, Rev 1.1, PCB HW-37a Rev. 0, METALS\_SOP\_HW3a-ICP-AES Rev 1.1 and HW3c-Hg-CN, Rev. 1), USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review, **2008**; USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Data Review, **2010**; NYDEC Guidelines for Sampling and Analysis of PFAS, January 2020, Professional Judgment  
SAMPLE MATRICES: Soil & Water  
TYPES OF ANALYSES: Semivolatile Organic Compounds (SVOC), Pesticides (Pest), Polychlorinated Hydrocarbons (PCBs), Total Metals, Total Mercury  
DATA REVIEWER(S): Amy L. Hogan  
SDG NUMBER: 480-186319-1  
SAMPLING DATE(S): June 21, 2021

### SAMPLES:

| <u>Client Sample ID</u> | <u>Laboratory ID</u> | <u>SVOC</u> | <u>PEST</u> |
|-------------------------|----------------------|-------------|-------------|
| SS-64-0002              | 480-186319-1         | X           | X           |
| SS-62-0212              | 480-186319-2         | X           | X           |
| SS-01-0002              | 480-186319-3         | X           | X           |
| SS01-0212               | 480-186319-4         | X           | X           |
| SS-02-0002              | 480-186319-5         | X           | X           |
| SS-02-0212              | 480-186319-6         | X           | X           |
| SS-03-0002              | 480-186319-7         | X           | X           |
| SS-03-0212              | 480-186319-8         | X           | X           |
| SS-09-0002              | 480-186319-9         | X           | X           |
| SS-09-0212              | 480-186319-10        | X           | X           |
| SS-10-0002              | 480-186319-11        | X           | X           |
| SS-10-0212              | 480-186319-12        | X           | X           |
| SS-11-0002              | 480-186319-13        | X           | X           |
| SS-11-0212              | 480-186319-14        | X           | X           |



| <u>Client Sample ID</u> | <u>Laboratory ID</u> | <u>SVOC</u> | <u>PEST</u> |
|-------------------------|----------------------|-------------|-------------|
| SS-12-0002              | 480-186319-15        | X           | X           |
| SS-12-0002MS            | 480-186319-15MS      | X           | X           |
| SS-12-0002MSD           | 480-186319-15MSD     | X           | X           |
| SS-12-0212              | 480-186319-16        | X           | X           |
| SS-14-0002              | 480-186319-17        | X           | X           |
| SS-14-0212              | 480-186319-18        | X           | X           |
| SS-15-0002              | 480-186319-19        | X           | X           |
| SS-15-0212              | 480-186319-20        | X           | X           |
| SS-16-0002              | 480-186319-21        | X           | X           |
| SS-16-0212              | 480-186319-22        | X           | X           |
| SS-17-0002              | 480-186319-23        | X           | X           |
| SS-17-0212              | 480-186319-24        | X           | X           |
| SS-18-0002              | 480-186319-25        | X           | X           |
| SS-18-0212              | 480-186319-26        | X           | X           |
| SS-19-0002              | 480-186319-27        | X           | X           |
| SS-19-0212              | 480-186319-28        | X           | X           |
| SS-20-0002              | 480-186319-29        | X           | X           |
| SS-20-0212              | 480-186319-30        | X           | X           |
| SS-21-0002              | 480-186319-31        | X           | X           |
| SS-21-0002MS            | 480-186319-31MS      | X           | X           |
| SS-21-0002MSD           | 480-186319-31MSD     | X           | X           |
| SS-21-0212              | 480-186319-32        | X           | X           |
| SS-22-0002              | 480-186319-33        | X           | X           |
| SS-22-0212              | 480-186319-34        | X           | X           |
| SS-23-0002              | 480-186319-35        | X           | X           |
| SS-23-0212              | 480-186319-36        | X           | X           |
| SS-24-0002              | 480-186319-37        | X           | X           |
| SS-24-0212              | 480-186319-38        | X           | X           |
| SS-25-0002              | 480-186319-39        | X           | X           |
| SS-25-0212              | 480-186319-40        | X           | X           |
| FBSS-01-210621          | 480-186319-41        | X           | X           |
| FBSS-02-210621          | 480-186319-42        | X           | X           |

| <u>Client Sample ID</u> | <u>Laboratory ID</u> | <u>PCB</u> | <u>MET</u> |
|-------------------------|----------------------|------------|------------|
| SS-64-0002              | 480-186319-1         | X          | X          |
| SS-62-0212              | 480-186319-2         | X          | X          |
| SS-01-0002              | 480-186319-3         | X          | X          |
| SS01-0212               | 480-186319-4         | X          | X          |
| SS-02-0002              | 480-186319-5         | X          | X          |
| SS-02-0212              | 480-186319-6         | X          | X          |
| SS-03-0002              | 480-186319-7         | X          | X          |
| SS-03-0212              | 480-186319-8         | X          | X          |
| SS-09-0002              | 480-186319-9         | X          | X          |
| SS-09-0212              | 480-186319-10        | X          | X          |
| SS-10-0002              | 480-186319-11        | X          | X          |
| SS-10-0212              | 480-186319-12        | X          | X          |
| SS-11-0002              | 480-186319-13        | X          | X          |
| SS-11-0212              | 480-186319-14        | X          | X          |
| SS-12-0002              | 480-186319-15        | X          | X          |
| SS-12-0002MS            | 480-186319-15MS      | X          | X          |
| SS-12-0002MSD           | 480-186319-15MSD     | X          | X          |
| SS-12-0212              | 480-186319-16        | X          | X          |
| SS-14-0002              | 480-186319-17        | X          | X          |
| SS-14-0212              | 480-186319-18        | X          | X          |
| SS-15-0002              | 480-186319-19        | X          | X          |
| SS-15-0212              | 480-186319-20        | X          | X          |
| SS-16-0002              | 480-186319-21        | X          | X          |
| SS-16-0212              | 480-186319-22        | X          | X          |
| SS-17-0002              | 480-186319-23        | X          | X          |
| SS-17-0212              | 480-186319-24        | X          | X          |
| SS-18-0002              | 480-186319-25        | X          | X          |
| SS-18-0212              | 480-186319-26        | X          | X          |
| SS-19-0002              | 480-186319-27        | X          | X          |
| SS-19-0212              | 480-186319-28        | X          | X          |
| SS-20-0002              | 480-186319-29        | X          | X          |
| SS-20-0212              | 480-186319-30        | X          | X          |
| SS-21-0002              | 480-186319-31        | X          | X          |
| SS-21-0002MS            | 480-186319-31MS      | X          | X          |
| SS-21-0002MSD           | 480-186319-31MSD     | X          | X          |
| SS-21-0212              | 480-186319-32        | X          | X          |
| SS-22-0002              | 480-186319-33        | X          | X          |
| SS-22-0212              | 480-186319-34        | X          | X          |
| SS-23-0002              | 480-186319-35        | X          | X          |
| SS-23-0212              | 480-186319-36        | X          | X          |
| SS-24-0002              | 480-186319-37        | X          | X          |
| SS-24-0212              | 480-186319-38        | X          | X          |
| SS-25-0002              | 480-186319-39        | X          | X          |
| SS-25-0212              | 480-186319-40        | X          | X          |
| FBSS-01-210621          | 480-186319-41        | X          | X          |
| FBSS-01-210621MS        | 480-186319-41MS      |            | X          |
| FB22-02-210621MSD       | 480-186319-41MSD     |            | X          |
| FBSS-02-210621          | 480-186319-42        | X          | X          |

| <u>Client Sample ID</u> | <u>Laboratory ID</u> | <u>Hg</u> |
|-------------------------|----------------------|-----------|
| SS-64-0002              | 480-186319-1         | X         |
| SS-62-0212              | 480-186319-2         | X         |
| SS-01-0002              | 480-186319-3         | X         |
| SS01-0212               | 480-186319-4         | X         |
| SS-02-0002              | 480-186319-5         | X         |
| SS-02-0212              | 480-186319-6         | X         |
| SS-03-0002              | 480-186319-7         | X         |
| SS-03-0212              | 480-186319-8         | X         |
| SS-09-0002              | 480-186319-9         | X         |
| SS-09-0212              | 480-186319-10        | X         |
| SS-10-0002              | 480-186319-11        | X         |
| SS-10-0212              | 480-186319-12        | X         |
| SS-11-0002              | 480-186319-13        | X         |
| SS-11-0212              | 480-186319-14        | X         |
| SS-12-0002              | 480-186319-15        | X         |
| SS-12-0002MS            | 480-186319-15MS      | X         |
| SS-12-0002MSD           | 480-186319-15MSD     | X         |
| SS-12-0212              | 480-186319-16        | X         |
| SS-14-0002              | 480-186319-17        | X         |
| SS-14-0212              | 480-186319-18        | X         |
| SS-15-0002              | 480-186319-19        | X         |
| SS-15-0212              | 480-186319-20        | X         |
| SS-16-0002              | 480-186319-21        | X         |
| SS-16-0212              | 480-186319-22        | X         |
| SS-17-0002              | 480-186319-23        | X         |
| SS-17-0212              | 480-186319-24        | X         |
| SS-18-0002              | 480-186319-25        | X         |
| SS-18-0212              | 480-186319-26        | X         |
| SS-19-0002              | 480-186319-27        | X         |
| SS-19-0212              | 480-186319-28        | X         |
| SS-20-0002              | 480-186319-29        | X         |
| SS-20-0212              | 480-186319-30        | X         |
| SS-21-0002              | 480-186319-31        | X         |
| SS-21-0002MS            | 480-186319-31MS      | X         |
| SS-21-0002MSD           | 480-186319-31MSD     | X         |
| SS-21-0212              | 480-186319-32        | X         |
| SS-22-0002              | 480-186319-33        | X         |
| SS-22-0212              | 480-186319-34        | X         |
| SS-23-0002              | 480-186319-35        | X         |
| SS-23-0212              | 480-186319-36        | X         |
| SS-24-0002              | 480-186319-37        | X         |
| SS-24-0212              | 480-186319-38        | X         |
| SS-25-0002              | 480-186319-39        | X         |
| SS-25-0212              | 480-186319-40        | X         |
| FBSS-01-210621          | 480-186319-41        | X         |
| FBS-02-210621           | 480-186319-42        | X         |

Suffix Codes: DL= DILUTION, MS = MATRIX SPIKE,  
MSD = MATRIX SPIKE DUPLICATE, RE = REANALYSIS

| Qualifier | Definition                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|-----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>U</b>  | The analyte was not detected and was reported as less than the LOD or as defined by the customer. The LOD has been adjusted for any dilution or concentration of the sample.                                                                                                                                                                                                                                                                |
| <b>J</b>  | The reported result was an estimated value with an unknown bias.                                                                                                                                                                                                                                                                                                                                                                            |
| <b>J+</b> | The result was an estimated quantity, but the result may be biased high.                                                                                                                                                                                                                                                                                                                                                                    |
| <b>J-</b> | The result was an estimated quantity, but the result may be biased low.                                                                                                                                                                                                                                                                                                                                                                     |
| <b>N</b>  | The analysis indicates the presence of an analyte for which there was presumptive evidence to make a "tentative identification."                                                                                                                                                                                                                                                                                                            |
| <b>NJ</b> | The analyte has been “tentatively identified” or “presumptively” as present and the associated numerical value was the estimated concentration in the sample.                                                                                                                                                                                                                                                                               |
| <b>UJ</b> | The analyte was not detected and was reported as less than the LOD or as defined by the customer. However, the associated numerical value is approximate.                                                                                                                                                                                                                                                                                   |
| <b>X</b>  | The sample results (including non-detects) were affected by serious deficiencies in the ability to analyze the sample and to meet published method and project quality control criteria. The presence or absence of the analyte cannot be substantiated by the data provided. Acceptance or rejection of the data should be decided by the project team (which should include a project chemist), but exclusion of the data is recommended. |

## DATA USABILITY SUMMARY

Eurofins Test America, Buffalo – 480-186319-1

### ***SEMIVOLATILE ORGANICS***

#### SUMMARY

##### I.) General:

The analyses for Semivolatile Organics were performed per SW846 Method 8270D.

##### II.) Overall Assessment of Data:

All laboratory data were acceptable with qualifications.

##### II.) Holding Times:

All Holding Time criteria were met. No data qualification was necessary.

##### IV.) GC/MS Tuning:

All GC/MS Tuning criteria were met. No data qualification was necessary.

##### V.) Calibration:

###### Initial Calibration:

All Initial Calibration criteria were met. No data qualification was necessary.

###### Initial Calibration Verification:

All Initial Calibration Verification criteria were met. No data qualification was necessary.

###### Continuing Calibration:

The Percent Difference (%D) for the standards run on 7/6/21 at 10:18 on instrument HP5973X was -20.5% for bis(2-chloroisopropyl) ether, which exceeded the 20% QC limit. The non-detect results for this compound in associated samples SS-09-0212 and SS-10-0002 were qualified as estimated (UJ).

## VI.) Blanks:

### Method Blanks:

Di-n-butylphthalate (3.51 ug/L) was detected in method blank 480-58684/1-A. Since the associated samples were field QC sample, no data qualification was necessary.

Di-n-butylphthalate was detected in method blanks 480-587259/1-A (151 ug/kg) and 480-587467/1-A (45.1 ug/kg). Since the blank results were less than the RL, all positive results for this compound in the soil samples, which were less than the RL, were qualified as undetected (U) with the result being raised to the RL.

### Equipment Blanks:

There was no equipment blank submitted in association with this SDG. No data qualification was necessary.

### Field Blanks:

Di-n-butylphthalate was detected in associated field blanks FB-SS-01-210621 (25 ug/L) and FB-SS-02-210621 (3.1 ug/L). Since the blank results were less than the RL, all positive results for this compound in the soil samples, which were all less than the RL, were qualified as undetected (U) with the result being raised to the RL.

## VII.) Surrogate Recoveries:

The Percent Recoveries (%Rs) were below the QC limits for the following samples”

| <u>Sample</u> | <u>Surrogate</u>     | <u>%R</u> |
|---------------|----------------------|-----------|
| SS-64-0002    | 2,4,6-tribromophenol | 23%       |
| SS-62-0212    | terphenyl-d14        | 73%       |
| SS-01-0212    | terphenyl-d14        | 73%       |
| SS-11-0002    | terphenyl-d14        | 78%       |
| SS-11-0212    | terphenyl-d14        | 65%       |
| SS-12-0002    | terphenyl-d14        | 68%       |
| SS-12-0212    | terphenyl-d14        | 59%       |
| SS-14-0212    | terphenyl-d14        | 73%       |
| SS-18-0212    | phenol-d5            | 53%       |
|               | terphenyl-d14        | 65%       |
| SS-22-0212    | terphenyl-d14        | 77%       |
| SS-24-0212    | terphenyl-d14        | 78%       |

Since only one surrogate %R per fraction was below the QC limits for the listed samples, no data qualification was necessary. It was noted that low %Rs were recorded for SS-12-0002MS and SS-12-0002MSD. Since these samples are lab QC samples, no data qualification was necessary.

It was also noted that the Surrogate compounds were diluted out of several SDG samples. No data qualification was necessary.

#### VIII.) Laboratory Control Samples (LCS):

Four LCS were analyzed by the laboratory for this SDG. All criteria were met. No data qualification was necessary.

#### IX.) Matrix Spike / Matrix Spike Duplicate (MS / MSD):

MS / MSD analyses were performed using SDG sample SS-12-0002. A total of 45 Percent Recoveries (%Rs) and 48 Relative Percent Differences (RPDs) were outside the QC limits. Data qualification based on MS / MSD criteria alone was not required.

MS / MSD analyses were performed using sample SS-21-0002. A total of 3 Percent Recoveries (%Rs) were outside the QC limits. Data qualification based on MS / MSD criteria alone was not required.

#### X.) Field Duplicates:

Two sets of field duplicate samples (SS-12-0212 / SS-62-0212 and SS-14-0002 / SS-64-0002) were identified as part of this SDG. The calculable Relative Percent Difference (RPDs) for the second set were 56% for fluoranthene and 49% for pyrene. The RPD for fluoranthene exceeded the 50% QC limit. Data qualification based on field duplicate criteria was not required.

The calculable RPDs for the first set were:

|                         |       |
|-------------------------|-------|
| acenaphthene            | 45.2% |
| anthracene              | 22.2% |
| benzo(a)anthracene      | 14.6% |
| benzo(a)pyrene          | 22.2% |
| benzo(b)fluoranthene    | 14.3% |
| benzo(g,h,i) perylene   | 28.6% |
| benzo(k)fluoranthene    | 28.6% |
| carbazole               | 30.3% |
| chrysene                | 8.7%  |
| dibenzo(a,h)anthracene  | 13.3% |
| dibenzofuran            | 39.2% |
| fluoranthene            | 6.5%  |
| fluorene                | 43.1% |
| indeno(1,2,3-cd) pyrene | 26.0% |
| naphthalene             | 54.8% |
| phenanthrene            | 24.0% |
| pyrene                  | 15.4% |

The RPD for naphthalene exceeded the 50% QC limit. Data qualification based on field duplicate criteria was not required.



XI.) TCL Compound Identification:

All TCL Compound Identification criteria were met. No data qualification was necessary.

XII.) Internal Standards Performance (ISTD):

All ISTD area count criteria were met. No data qualification was necessary.

XIII.) Compound Quantitation and Reported Contract Required Quantitation Limits (CRQL):

Numerous samples were diluted due to the color and appearance of the extracts, which resulted in elevated reporting limits. Data qualification was not necessary.

All other CRQL criteria were met. No data qualification was necessary.

***PESTICIDES***

SUMMARY

I.) General:

The analyses for Pesticides were performed per SW846 Method 8081B.

II.) Overall Assessment of Data:

All laboratory data were acceptable with qualifications.

II.) Holding Times:

All Holding Time criteria were met. No data qualification was necessary.

IV.) Instrument Performance:

All Instrument Performance criteria were met. No data qualification was necessary.

V.) Calibration:

Initial Calibration:

All Initial Calibration criteria were met. No data qualification was necessary.

Continuing Calibration:

The Percent Difference (%D) for the standards run on 6/29/21 at 13:11 on instrument HP6890-5 on column II was -21.2% for 4,4-DDT, which exceeded the 20% QC limit. All positive and non-

detect 4,4'-DDT results for the associated samples were qualified as estimated (J) and (UJ). The associated samples were SS-64-0002, SS-62-0212, SS-01-0002, SS-01-0212, SS-02-0002, SS-02-0212, SS-03-0002, SS-03-0212, SS-09-0002, SS-09-0212, SS-10-0002, SS-10-0212, SS-11-0002, SS-11-0212, SS-12-0002 and SS-12-0212.

The Percent Differences (%Ds) for the standards run on 6/29/21 at 20:20 on instrument HP6890-5 on column I was 31.6% for TCMX and on column II were -33.3% for 4,4'-DDT and -32.0% for methoxychlor, which exceeded the 20% QC limit. All positive and non-detect 4,4'-DDT and methoxychlor results for the associated samples were qualified as estimated (J) and (UJ). Since TCMX is a surrogate compound, no data qualification was required for this compound. The associated samples were SS-64-0002, SS-62-0212, SS-01-0002, SS-01-0212, SS-02-0002, SS-02-0212, SS-03-0002, SS-03-0212, SS-09-0002, SS-09-0212, SS-10-0002, SS-10-0212, SS-11-0002, SS-11-0212, SS-12-0002, SS-12-0212, SS-14-0002, SS-14-0212, SS-15-0002 and SS-15-0212.

A review of the run log indicates that the CCV was not analyzed after every 10 samples as recommended by the guidance and that a closing CCV was also not analyzed. It was noted that the lab did analyze a CCV every 20 samples as recommended by the method. Since the samples were all analyzed within the 12-hour analytical clock of the submitted calibration and citing professional judgment, the validator determined that data qualification based on the closing calibration standard absence was not necessary.

#### VI.) Blanks:

##### Method Blanks:

The following compounds were detected in method blank 480-586730/1-A:

|                 |             |
|-----------------|-------------|
| delta BHC       | 0.0138 ug/L |
| endrin aldehyde | 0.0305 ug/L |
| gamma BHC       | 0.0138 ug/L |

Since the associated sample was a field QC sample, no data qualification was necessary.

The following compounds were detected in method blanks 480-587164/1-A:

|                 |             |
|-----------------|-------------|
| delta BHC       | 0.448 ug/kg |
| endrin aldehyde | 0.679 ug/kg |
| gamma BHC       | 0.457 ug/kg |

Since the blank results were less than the RL, all positive results for these compounds in the associated samples, which were less than the RL, were qualified as undetected (U) with the results being raised to the RL. The associated samples were SS-64-0002, SS-62-0212, SS-01-0002, SS-01-0212, SS-02-0002, SS-02-0212, SS-03-0002, SS-03-0212, SS-09-0002, SS-09-0212, SS-10-0002, SS-10-0212, SS-11-0002, SS-11-0212, SS-12-0002, SS-12-0212, SS-14-0002, SS-14-0212, SS-15-0002 and SS-15-0212.

#### Equipment Blanks:

There was no equipment blank submitted in association with this SDG. No data qualification was necessary.

#### Field Blanks:

4,4'-DDT (0.028 ug/L) and gamma BHC (0.013 ug/L) were detected in FBSS-01-210621 and gamma BHC (0.013 ug/L) was detected in FBSS-02-210621. Since the blank concentrations were less than the RL, the positive results for these compounds in the SDG samples, which were less than the RL, were qualified as undetected (U) with the results being raised to the RL.

#### VII.) Surrogate Recoveries:

The Percent Recoveries (%Rs) exceeded the QC limits for the following samples:

| <u>Sample</u> | <u>Surrogate</u> | <u>Col.1, %R</u> | <u>Col. 2, %R</u> |
|---------------|------------------|------------------|-------------------|
| SS-01-0002    | DCB              | 313%             | 134%              |
| SS-01-0212    | DCB              |                  | 161%              |
| SS-02-0002    | TCMX             | 130%             |                   |
| SS-11-0002    | DCB              | 602%             | 175%              |
| SS-11-0212    | DCB              | 121%             | 154%              |
| SS-15-0212    | DCB              |                  | 138%              |
| SS-20-0002    | DCB              |                  | 155%              |
| SS-23-0002    | DCB              |                  | 171%              |
| SS-24-0002    | DCB              | 1965%            | 1903%             |

All positive results for these samples were qualified as estimated (J).

#### VIII.) Laboratory Control Samples (LCS):

Three LCS were analyzed by the laboratory for this SDG. All criteria were met. No data qualification was necessary.

#### IX.) Matrix Spike / Matrix Spike Duplicate (MS / MSD):

MS / MSD analyses were performed using SDG samples SS-12-0002 and SS-21-0002. Since the parent samples and the MS / MSD samples were all analyzed at a significant dilution, the results were not considered meaningful. No data qualification was necessary.

#### X.) Field Duplicates:

Two sets of field duplicate samples (SS-12-0212 / SS-62-0212 and SS-14-0002 / SS-64-0002) were identified as part of this SDG. The calculable Relative Percent Difference (RPDs) for the second set were 125% for 4,4'-DDT and 1.0% for methoxychlor. The RPD for 4,4'-DDT exceeded the 50% QC limit. Data qualification based on field duplicate criteria was not required.

The calculable RPDs for the first set were:

|                 |       |
|-----------------|-------|
| 4,4'-DDD        | 43.9% |
| 4,4'-DDE        | 90.9% |
| 4,4'-DDT        | 138%  |
| endrin          | 81.1% |
| trans chlordane | 26.1% |

The RPDs for 4,4'-DDE, 4,4'-DDT and endrin exceeded the 50% QC limits. Data qualification based on field duplicate criteria was not required.

#### XI.) TCL Compound Identification:

The Column Relative Percent Difference (RPD) exceeded the 25% QC limit for the following samples and compounds:

|            |                 |        |
|------------|-----------------|--------|
| SS-64-0002 | methoxychlor    | 25.2%  |
| SS-62-0212 | 4,4'-DDE        | 60.7%  |
|            | dieldrin        | 97.5%  |
|            | endrin          | 31.8%  |
|            | 4,4'-DDD        | 146%   |
|            | methoxychlor    | 74.6%  |
| SS-01-0002 | beta BHC        | 145.1% |
|            | trans chlordane | 118.4% |
|            | 4,4'-DDE        | 27.7%  |
|            | endosulfan I    | 92.3%  |
|            | dieldrin        | 33.9%  |
|            | endrin          | 68.3%  |
|            | endosulfan II   | 142.6% |
| SS-01-0212 | trans chlordane | 94.3%  |
|            | 4,4'-DDE        | 32.5%  |
|            | endosulfan I    | 115.6% |
|            | dieldrin        | 121.0% |
|            | 4,4'-DDD        | 34.3%  |
|            | 4,4'-DDT        | 26.1%  |
| SS-02-0002 | beta BHC        | 151.1% |
|            | trans chlordane | 134.8% |
|            | endosulfan II   | 25.6%  |
| SS-02-0212 | beta BHC        | 149.2% |
|            | trans chlordane | 123.1% |
|            | 4,4'-DDE        | 25.5%  |
|            | endosulfan II   | 35.5%  |
| SS-03-0002 | trans chlordane | 134.6% |
|            | 4,4'-DDD        | 51.7%  |
| SS-03-0212 | delta BHC       | 62.5%  |
|            | beta BHC        | 136%   |

|            |                    |        |
|------------|--------------------|--------|
|            | heptachlor         | 36.9%  |
|            | heptachlor epoxide | 91.7%  |
|            | trans chlordane    | 127.6% |
|            | endosulfan II      | 153.2% |
|            | endosulfan sulfate | 68.4%  |
| SS-09-0002 | beta BHC           | 60.0%  |
|            | aldrin             | 168.7% |
|            | endosulfan II      | 26.5%  |
|            | methoxychlor       | 46.0%  |
| SS-09-0212 | methoxychlor       | 81.8%  |
| SS-10-0002 | beta BHC           | 124.7% |
|            | endosulfan I       | 105.7% |
|            | 4,4'-DDD           | 34.5%  |
| SS-10-0212 | 4,4'-DDD           | 30.1%  |
|            | endosulfan II      | 34.8%  |
| SS-11-0002 | beta BHC           | 42.0%  |
|            | aldrin             | 130.6% |
|            | heptachlor epoxide | 106.7% |
|            | 4,4'-DDE           | 98.3%  |
|            | endosulfan I       | 39.7%  |
|            | dieldrin           | 117.3% |
|            | endrin             | 46.5%  |
|            | endosulfan II      | 175.3% |
|            | Mirex              | 170.3% |
| SS-11-0212 | heptachlor epoxide | 84.3%  |
|            | trans chlordane    | 35.8%  |
|            | 4,4'-DDE           | 59.7%  |
|            | dieldrin           | 115.9% |
|            | 4,4'-DDD           | 178%   |
|            | endosulfan II      | 157%   |
|            | Mirex              | 173.1% |
|            | endosulfan sulfate | 78.6%  |
| SS-12-0002 | dieldrin           | 45.7%  |
| SS-12-0212 | trans chlordane    | 65.7%  |
|            | 4,4'-DDE           | 66.7%  |
|            | 4,4'-DDD           | 41.0%  |
|            | 4,4'-DDT           | 71.6%  |
| SS-14-0002 | methoxychlor       | 66.0%  |
| SS-14-0212 | 4,4'-DDE           | 61.1%  |
|            | 4,4'-DDD           | 33.9%  |
| SS-15-0002 | beta BHC           | 79.2%  |
|            | 4,4'-DDE           | 38.9%  |
| SS-15-0212 | alpha BHC          | 72.9%  |
|            | beta BHC           | 74.2%  |
|            | trans chlordane    | 143%   |
|            | dieldrin           | 43.0%  |
|            | endrin             | 91.4%  |

|            |                 |        |
|------------|-----------------|--------|
| SS-16-0002 | endosulfan II   | 75.7%  |
|            | trans chlordane | 121.3% |
|            | 4,4'-DDE        | 64.5%  |
|            | dieldrin        | 79.9%  |
|            | endrin          | 72.3%  |
| SS-16-0212 | methoxychlor    | 132.2% |
|            | Mirex           | 86.8%  |
|            | 4,4'-DDE        | 78.1%  |
|            | dieldrin        | 62.5%  |
|            | 4,4'-DDD        | 159.6% |
| SS-17-0002 | 4,4'-DDT        | 34.0%  |
|            | methoxychlor    | 115.4% |
|            | trans chlordane | 126.6% |
|            | 4,4'-DDE        | 115.0% |
|            | dieldrin        | 72.8%  |
| SS-18-0002 | endrin aldehyde | 38.7%  |
|            | Mirex           | 107.9% |
|            | dieldrin        | 84.6%  |
|            | endrin aldehyde | 62.9%  |
|            | 4,4'-DDE        | 33.4%  |
| SS-18-0212 | dieldrin        | 73.8%  |
|            | 4,4-DDT         | 58.1%  |
|            | methoxychlor    | 45.9%  |
|            | trans chlordane | 52.0%  |
|            | dieldrin        | 91.3%  |
| SS-19-0002 | endrin          | 45.7%  |
|            | endrin aldehyde | 46.5%  |
|            | trans chlordane | 71.7%  |
|            | dieldrin        | 67.4%  |
|            | endrin          | 42.7%  |
| SS-19-0212 | 4,4'-DDD        | 84.1%  |
|            | 4,4'-DDT        | 59.1%  |
|            | endrin aldehyde | 64.8%  |
|            | methoxychlor    | 77.0%  |
|            | dieldrin        | 116.6% |
| SS-20-0002 | Mirex           | 58.3%  |
| SS-20-0212 | 4,4'-DDD        | 41.2%  |
| SS-22-0002 | beta BHC        | 40.5%  |
|            | endrin aldehyde | 36.7%  |
| SS-22-0212 | 4,4'-DDE        | 50.3%  |
|            | endosulfan II   | 94.2%  |
|            | methoxychlor    | 172.5% |
|            | Mirex           | 69.7%  |
|            | 4,4'DDE         | 34.8%  |
| SS-23-0002 | 4,4'-DDE        | 51.1%  |
| SS-23-0212 | Mirex           | 106.0% |
| SS-24-0002 | dieldrin        | 42.1%  |

|                |                 |        |
|----------------|-----------------|--------|
| FBSS-01-210621 | endrin aldehyde | 115.4% |
|                | methoxychlor    | 93.3%  |
|                | Mirex           | 81.0%  |
|                | 4,4'-DDT        | 39.7%  |

Based on review of the data and the lab's identification of interferences based on the presence of possible biphenyls, the validator has qualified all results for the compound with RPDs greater than 70% as estimated (NJ) and the positive results for the listed compounds greater than 25% and less than 70% as estimated (J).

#### XII.) Internal Standards Performance (ISTD):

All ISTD area count criteria were met. No data qualification was necessary.

#### XIII.) Compound Quantitation and Reported Contract Required Quantitation Limits (CRQL):

Numerous samples were analyzed at dilutions due to the nature of the matrix or the high concentration of target compounds, which resulted in elevated reporting limits. No data qualification was necessary.

All other CRQL criteria were met. No data qualification was necessary.

### ***POLYCHLORINATED BIPHENYLS (PCB)***

#### SUMMARY

##### I.) General:

The analyses for Polychlorinated Biphenyls (PCB) were performed per SW846 Method 8082A.

##### II.) Overall Assessment of Data:

All laboratory data were acceptable with qualifications.

##### II.) Holding Times:

All Holding Time criteria were met. No data qualification was necessary.

##### IV.) Instrument Performance:

All Instrument Performance criteria were met. No data qualification was necessary.

## V.) Calibration:

### Initial Calibration:

All Initial Calibration criteria were met. No data qualification was necessary.

### Continuing Calibration:

The Percent Difference (%D) for the standards run on 7/5/21 at 19:51 on column II of instrument HP6890-6 was 26.7% for Aroclor 1260 (1), which exceeded the 25% QC limit. The non-detect results for Aroclor 1260 for associated samples FB-SS-01-210621 and FB-SS-02-210621 were qualified as estimated (UJ).

The Percent Difference (%D) for the standards run on 7/6/21 at 17:36 on column II of instrument HP6890-6 was 25.8% for Aroclor 1260 (1), which exceeded the 25% QC limit. The non-detect results for Aroclor 1260 for associated samples FB-SS-01-210621 and FB-SS-02-210621 were qualified as estimated (UJ).

The Percent Difference (%D) for the standards run on 6/29/21 at 13:46 on column I of instrument HP6890-7 was -29.3% for Aroclor 1016 (5), which exceeded the 25% QC limit. The Aroclor 1016 results for associated samples SS-11-0002, SS-11-0212, SS-12-0002, SS-12-0212 and SS-14-0002, which were all non-detect, were qualified as estimated (UJ).

The Percent Difference (%D) for the standards run on 7/1/21 at 17:14 on column II of instrument HP6890-7 was -26.0% for Aroclor 1260 (1), which exceeded the 25% QC limit. All positive and non-detect results for Aroclor 1260 in associated samples SS-19-0212, SS-20-0002, SS-20-0212, SS-21-0002, SS-21-0212, SS-22-0002, SS-22-0212, SS-23-0002, SS-23-0212, SS-24-0002, SS-24-0212 and SS-25-0002 were qualified as estimated (J) and (UJ).

A review of the run log indicates that the CCV was not analyzed after every 10 samples as recommended by the guidance and that a closing CCV was also not analyzed. It was noted that the lab did analyze a CCV every 20 samples as recommended by the method. Since the samples were all analyzed within the 12-hour analytical clock of the submitted calibration and citing professional judgment, the validator determined that data qualification based on the closing calibration standard absence was not necessary.

## VI.) Blanks:

### Method Blanks:

There were no detections in the associated method blank. No data qualification was necessary.

### Equipment Blanks:

There was no equipment blank submitted in association with this SDG. No data qualification was necessary.



#### Field Blanks:

There were no detections in the field blank submitted in association with this SDG. No data qualification was necessary.

#### VII.) Surrogate Recoveries:

The Percent Recoveries (%Rs) exceeded the QC limits for the following samples:

| <u>Sample</u> | <u>Surrogate</u> | <u>Col.1, %R</u> | <u>Col. 2, %R</u> |
|---------------|------------------|------------------|-------------------|
| SS-03-0212    | TCMX             | 160%             | 162%              |
| SS-09-0002    | TCMX             | 157%             | 157%              |
| SS-09-0212    | TCMX             | 165%             | 164%              |
| SS-10-0002    | TCMX             | 158%             | 160%              |

Since the results for these samples were all non-detect, no data qualification was necessary.

#### VIII.) Laboratory Control Samples (LCS):

Two LCS were analyzed by the laboratory for this SDG. All criteria were met. No data qualification was necessary.

#### IX.) Matrix Spike / Matrix Spike Duplicate (MS / MSD):

MS / MSD analyses were performed using SDG samples SS-12-0002 and SS-21-0002. All criteria were met. No data qualification was necessary.

#### X.) Field Duplicates:

Two sets of field duplicate samples (SS-12-0212 / SS-62-0212 and SS-14-0002 / SS-64-0002) were identified as part of this SDG. The only calculable Relative Percent Difference (RPD) was 75.7% for Aroclor 1260 for the first set, which exceeded the 50% QC limit. Data qualification based on field duplicate criteria was not required.

#### XI.) TCL Compound Identification:

The Column Relative Percent Difference (RPD) exceeded the 25% QC limit for the following samples and compounds:

|            |              |       |
|------------|--------------|-------|
| SS-62-0212 | Aroclor 1232 | 30.5% |
| SS-24-0212 | Aroclor 1254 | 40.5% |

The positive results for these compounds were qualified as estimated (J).

#### XII.) Internal Standards Performance (ISTD):

All ISTD area count criteria were met. No data qualification was necessary.

### XIII.) Compound Quantitation and Reported Contract Required Quantitation Limits (CRQL):

All CRQL criteria were met. No data qualification was necessary.

## ***TOTAL METALS***

### **SUMMARY**

#### I.) General:

The analyses for Total Metals were performed per SW846 Method 6010C.

#### II.) Overall Assessment of Data:

All laboratory data were acceptable with qualifications.

#### III.) Holding Times:

All Holding Time criteria were met. No data qualification was necessary.

#### IV.) Calibration:

The Percent Recoveries (%Rs) for the LLCCVs for total iron (132%, 133%) exceeded the QC limit. Since the associated sample results were greater than the RL, no data qualification was necessary.

#### V.) CRDL standards:

All CRDL standards criteria were met. No data qualification was required.

#### VI.) Blanks:

##### Calibration Blanks:

Iron (0.0329 mg/L, 0.0277 mg/L, 0.0321) and manganese (0.00050 mg/L, 0.00053 mg/L, 0.00049 mg/L) were detected in associated calibration blanks. Since the associated sample results were either non-detect or greater than the RL or the blank concentration, no data qualification was necessary.

##### Preparation Blanks:

Antimony (0.00868 mg/L) was detected in associated method blank 480-586560/1-A. Since there were no positive antimony results for the associated samples, no data qualification was necessary.

The following analytes were detected in associated method blank 480-586594/1-A:

|           |              |
|-----------|--------------|
| calcium   | 4.38 mg/kg   |
| magnesium | 1.40 mg/kg   |
| manganese | 0.0571 mg/kg |
| potassium | 82.44 mg/kg  |
| sodium    | 84.02 mg/kg  |

Since all positive sample results for these analytes were greater than the RL and the blank concentrations, no data qualification was necessary for this analyte.

The following analytes were detected in associated method blank 480-586814/1-A:

|           |             |
|-----------|-------------|
| calcium   | 5.6 mg/kg   |
| iron      | 6.11 mg/kg  |
| magnesium | 1.16 mg/kg  |
| manganese | 0.226 mg/kg |

Since all positive sample results for these analytes were greater than the RL and the blank concentrations, no data qualification was necessary for this analyte.

#### Equipment Blanks:

There was no associated equipment blank submitted with this SDG. No data qualification was necessary.

#### Field Blank:

There were no detections in the associated field blanks. No data qualification was necessary.

#### VII.) Interference Check Sample (ICS) Results:

All ICS criteria were met. It was noted by the lab that barium was detected in the ICESA sample above the MDL but at the level that the vendor has identified as trace contamination. Citing professional judgment, the validator determined that no data qualification was necessary.

#### VIII.) Matrix Spike / Matrix Spike Duplicates (MS / MSD):

MS / MSD analyses were performed using SDG samples SS-12-0002, SS-21-0002 and FBSS-01-210621. All criteria were met for FBSS-01-210621. The parent sample results for calcium, iron, manganese and zinc were greater than 4X the spike concentration for SS-12-0002, so the results for these analytes were not considered meaningful. The Percent Recoveries (%Rs) exceeded the QC limits for the following analytes:

|                |              |               |
|----------------|--------------|---------------|
| <u>Analyte</u> | <u>MS %R</u> | <u>MSD %R</u> |
| aluminum       | 469%         | 283%          |

|           |      |      |
|-----------|------|------|
| barium    | 759% |      |
| cadmium   | 164% |      |
| chromium  | 419% |      |
| copper    | 447% |      |
| lead      | 631% |      |
| nickel    | 349% |      |
| potassium | 175% | 160% |
| silver    | 198% |      |
| vanadium  | 136% |      |

The post spike %Rs for aluminum (74%) and barium (79%) was below the QC limits. All other post spike criteria were met. The results for the listed analytes in the parent sample, which were all positive, were qualified as estimated (J).

The Relative Percent Differences (RPDs) for the following analytes exceeded the 20% QC limit:

|          |      |
|----------|------|
| aluminum | 27%  |
| barium   | 84%  |
| cadmium  | 59%  |
| chromium | 105% |
| copper   | 83%  |
| lead     | 91%  |
| nickel   | 87%  |
| silver   | 59%  |

The results for the listed analytes in the parent sample, which were all positive, were qualified as estimated (J).

The parent sample results for aluminum, calcium, iron, manganese and zinc for sample SS-21-0002 were greater than 4X the spike concentrations, so the results for these analytes were not considered meaningful. The Percent Recoveries (%Rs) for the following analytes were outside the QC limits:

| <u>Analyte</u> | <u>MS %R</u> | <u>MSD %R</u> |
|----------------|--------------|---------------|
| antimony       | 64%          | 67%           |
| barium         | 136%         | 138%          |
| potassium      | 183%         | 173%          |

All post spike criteria were met. The non-detect antimony result for the parent sample was qualified as estimated (UJ) and the positive barium and potassium results for the parent sample were qualified as estimated (J).

#### IX.) Laboratory Control Samples (LCS):

All LCS Recovery criteria were met. No data qualification was necessary.

X.) Serial Dilution Analysis:

Serial Dilution Analysis was performed using SDG samples SS-12-0002 and SS-21-0002. The Percent Differences (%Ds) for barium (11) for SS-12-0002 and barium (13%) and cadmium (12%) for SS-21-0002 exceeded the QC limit. The positive results for these analytes in the parent samples were qualified as estimated (J).

XI.) Field Duplicates:

Two sets of field duplicate samples (SS-12-0212 / SS-62-0212 and SS-14-0002 / SS-64/0002) were identified for this SDG. The calculable Relative Percent Differences (RPDs) for the first set were:

|           |       |
|-----------|-------|
| aluminum  | 22.6% |
| arsenic   | 95.6% |
| barium    | 35.2% |
| beryllium | 118%  |
| cadmium   | 23.8% |
| calcium   | 68.1% |
| chromium  | 68.9% |
| cobalt    | 45.1% |
| copper    | 48.6% |
| iron      | 133%  |
| lead      | 36.0% |
| magnesium | 53.5% |
| manganese | 107%  |
| nickel    | 56.1% |
| potassium | 2.2%  |
| silver    | 21.5% |
| sodium    | 75.1% |
| vanadium  | 6.6%  |
| zinc      | 27%   |

The RPDs for arsenic, beryllium, calcium, chromium, iron, magnesium, manganese, nickel and sodium exceeded the 50% QC limit for solid samples. Data qualification based on field duplicate results was not required, so no data qualification was necessary.

The calculable Relative Percent Differences (RPDs) for the second set were:

|           |       |
|-----------|-------|
| aluminum  | 14.8% |
| arsenic   | 49.5% |
| barium    | 2.5%  |
| beryllium | 13.9% |
| cadmium   | 8.0%  |
| calcium   | 77.2% |
| chromium  | 12.7% |
| cobalt    | 1.5%  |

|           |       |
|-----------|-------|
| copper    | 17.8% |
| iron      | 0.72% |
| lead      | 37.1% |
| magnesium | 47.3% |
| manganese | 20.4% |
| nickel    | 8.9%  |
| potassium | 20.3% |
| sodium    | 15.9% |
| vanadium  | 1.5%  |
| zinc      | 0%    |

The RPD for calcium exceeded the 50% QC limit for solid samples. Data qualification based on field duplicate results was not required, so no data qualification was necessary.

#### XII.) Compound Quantitation and Reported Contract Required Quantitation Limits (CRQL):

The results for antimony, cadmium, chromium, iron, magnesium, nickel and vanadium for sample SS-62-0212 were reported from a 2X dilution analysis. Since the Form I is a composite of the results, no data qualification was necessary.

### ***TOTAL MERCURY***

#### **SUMMARY**

##### I.) General:

The analyses for Total Mercury were performed per SW846 Method 7470A.

##### II.) Overall Assessment of Data:

All laboratory data were acceptable with qualifications.

##### III.) Holding Times:

All Holding Time criteria were met. No data qualification was necessary.

##### IV.) Calibration:

All Initial and Continuing Calibration criteria were met. No data qualification was necessary.

##### V.) CRDL standards:

All CRDL standards criteria were met. No data qualification was required.

VI.) Blanks:

Calibration Blanks:

There were no detections in the associated calibration blanks. No data qualification was necessary.

Preparation Blanks:

There was no detection in the associated preparation blanks. No data qualification was necessary.

Equipment Blanks:

There was no equipment blank submitted in association with this SDG. No data qualification was necessary.

Field Blank:

There was no detection reported in the field blank submitted in association with this SDG. No data qualification was necessary.

VII.) Matrix Spike / Matrix Spike Duplicates (MS / MSD):

MS / MSD analyses were performed using SDG samples SS-62-0212 and SS-12-0002. The Percent Recovery (%R) for SS-12-0002 was 133%, which exceeded the QC limits. The positive mercury result for the parent sample was qualified as estimated (J).

VIII.) Laboratory Control Samples (LCS):

All LCS Recovery criteria were met. No data qualification was necessary.

IX.) Serial Dilution Analysis:

Serial Dilution Analysis was performed using SDG samples SS-62-0212 and SS-12-0002. All criteria were met. No data qualification was necessary.

X.) Field Duplicates:

Two sets of field duplicate samples (SS-12-0212 / SS-62-0212 and SS-14-0002 / SS-64-0002) were identified for this fraction of the SDG. The calculable Relative Percent Differences (RPDs) were 8.7% for the first set and 8.4% for the second set, which were within the 50% QC limit for solid samples. No data qualification was necessary.

XI.) Compound Quantitation and Reported Contract Required Quantitation Limits (CRQL):

All CRQL criteria were met. No data qualification was necessary.

## **Attachment A**

**Sample Result Forms (FORM Is) Corrected for Validation Qualifiers**



# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

Client Sample ID: SS-64-0002

Lab Sample ID: 480-186319-1

Date Collected: 06/21/21 07:40

Matrix: Solid

Date Received: 06/21/21 16:14

Percent Solids: 60.4

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

| Analyte                       | Result | Qualifier  | RL   | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|--------|------------|------|------|-------|---|----------------|----------------|---------|
| 2,4,5-Trichlorophenol         | ND     |            | 280  | 75   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 19:49 | 1       |
| 2,4,6-Trichlorophenol         | ND     |            | 280  | 55   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 19:49 | 1       |
| 2,4-Dichlorophenol            | ND     |            | 280  | 29   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 19:49 | 1       |
| 2,4-Dimethylphenol            | ND     |            | 280  | 66   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 19:49 | 1       |
| 2,4-Dinitrophenol             | ND     |            | 2700 | 1300 | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 19:49 | 1       |
| 2,4-Dinitrotoluene            | ND     |            | 280  | 57   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 19:49 | 1       |
| 2,6-Dinitrotoluene            | ND     |            | 280  | 32   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 19:49 | 1       |
| 2-Chloronaphthalene           | ND     |            | 280  | 45   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 19:49 | 1       |
| 2-Chlorophenol                | ND     |            | 530  | 50   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 19:49 | 1       |
| 2-Methylnaphthalene           | ND     |            | 280  | 55   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 19:49 | 1       |
| 2-Methylphenol                | ND     |            | 280  | 32   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 19:49 | 1       |
| 2-Nitroaniline                | ND     |            | 530  | 40   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 19:49 | 1       |
| 2-Nitrophenol                 | ND     |            | 280  | 78   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 19:49 | 1       |
| 3,3'-Dichlorobenzidine        | ND     |            | 530  | 320  | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 19:49 | 1       |
| 3-Nitroaniline                | ND     |            | 530  | 76   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 19:49 | 1       |
| 4,6-Dinitro-2-methylphenol    | ND     |            | 530  | 280  | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 19:49 | 1       |
| 4-Bromophenyl phenyl ether    | ND     |            | 280  | 39   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 19:49 | 1       |
| 4-Chloro-3-methylphenol       | ND     |            | 280  | 68   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 19:49 | 1       |
| 4-Chloroaniline               | ND     |            | 280  | 68   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 19:49 | 1       |
| 4-Chlorophenyl phenyl ether   | ND     |            | 280  | 34   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 19:49 | 1       |
| 4-Methylphenol                | ND     |            | 530  | 32   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 19:49 | 1       |
| 4-Nitroaniline                | ND     |            | 530  | 140  | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 19:49 | 1       |
| 4-Nitrophenol                 | ND     |            | 530  | 190  | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 19:49 | 1       |
| Acenaphthene                  | ND     |            | 280  | 40   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 19:49 | 1       |
| Acenaphthylene                | ND     |            | 280  | 36   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 19:49 | 1       |
| Acetophenone                  | ND     |            | 280  | 37   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 19:49 | 1       |
| Anthracene                    | ND     |            | 280  | 68   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 19:49 | 1       |
| Atrazine                      | ND     |            | 280  | 96   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 19:49 | 1       |
| Benzaldehyde                  | ND     |            | 280  | 220  | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 19:49 | 1       |
| Benzo(a)anthracene            | ND     |            | 280  | 28   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 19:49 | 1       |
| Benzo(a)pyrene                | ND     |            | 280  | 40   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 19:49 | 1       |
| Benzo(b)fluoranthene          | ND     |            | 280  | 44   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 19:49 | 1       |
| Benzo(g,h,i)perylene          | ND     |            | 280  | 29   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 19:49 | 1       |
| Benzo(k)fluoranthene          | ND     |            | 280  | 36   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 19:49 | 1       |
| Benzoic acid                  | ND     |            | 7800 | 2400 | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 19:49 | 1       |
| Biphenyl                      | ND     |            | 280  | 40   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 19:49 | 1       |
| bis (2-chloroisopropyl) ether | ND     |            | 280  | 55   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 19:49 | 1       |
| Bis(2-chloroethoxy)methane    | ND     |            | 280  | 58   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 19:49 | 1       |
| Bis(2-chloroethyl)ether       | ND     |            | 280  | 36   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 19:49 | 1       |
| Bis(2-ethylhexyl) phthalate   | ND     |            | 280  | 94   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 19:49 | 1       |
| Butyl benzyl phthalate        | ND     |            | 280  | 45   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 19:49 | 1       |
| Caprolactam                   | ND     |            | 280  | 83   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 19:49 | 1       |
| Carbazole                     | ND     |            | 280  | 32   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 19:49 | 1       |
| Chrysene                      | ND     |            | 280  | 62   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 19:49 | 1       |
| Dibenz(a,h)anthracene         | ND     |            | 280  | 49   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 19:49 | 1       |
| Dibenzofuran                  | ND     |            | 280  | 32   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 19:49 | 1       |
| Diethyl phthalate             | ND     |            | 280  | 36   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 19:49 | 1       |
| Dimethyl phthalate            | ND     |            | 280  | 32   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 19:49 | 1       |
| Di-n-butyl phthalate          | 280    | 130 J.B. U | 280  | 47   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 19:49 | 1       |

Eurofins TestAmerica, Buffalo

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

Client Sample ID: SS-64-0002

Lab Sample ID: 480-186319-1

Date Collected: 06/21/21 07:40

Matrix: Solid

Date Received: 06/21/21 16:14

Percent Solids: 60.4

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

| Analyte                   | Result    | Qualifier | RL  | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------------|-----------|-----------|-----|-----|-------|---|----------------|----------------|---------|
| Di-n-octyl phthalate      | ND        |           | 280 | 32  | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 19:49 | 1       |
| <b>Fluoranthene</b>       | <b>41</b> | <b>J</b>  | 280 | 29  | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 19:49 | 1       |
| Fluorene                  | ND        |           | 280 | 32  | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 19:49 | 1       |
| Hexachlorobenzene         | ND        |           | 280 | 37  | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 19:49 | 1       |
| Hexachlorobutadiene       | ND        |           | 280 | 40  | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 19:49 | 1       |
| Hexachlorocyclopentadiene | ND        |           | 280 | 37  | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 19:49 | 1       |
| Hexachloroethane          | ND        |           | 280 | 36  | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 19:49 | 1       |
| Indeno(1,2,3-cd)pyrene    | ND        |           | 280 | 34  | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 19:49 | 1       |
| Isophorone                | ND        |           | 280 | 58  | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 19:49 | 1       |
| Naphthalene               | ND        |           | 280 | 36  | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 19:49 | 1       |
| Nitrobenzene              | ND        |           | 280 | 31  | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 19:49 | 1       |
| N-Nitrosodi-n-propylamine | ND        |           | 280 | 47  | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 19:49 | 1       |
| N-Nitrosodiphenylamine    | ND        |           | 280 | 220 | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 19:49 | 1       |
| Pentachlorophenol         | ND        |           | 530 | 280 | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 19:49 | 1       |
| Phenanthrene              | ND        |           | 280 | 40  | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 19:49 | 1       |
| Phenol                    | ND        |           | 280 | 42  | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 19:49 | 1       |
| <b>Pyrene</b>             | <b>32</b> | <b>J</b>  | 280 | 32  | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 19:49 | 1       |

| Surrogate            | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 2,4,6-Tribromophenol | 23        | S1-       | 54 - 120 | 06/28/21 15:04 | 06/30/21 19:49 | 1       |
| 2-Fluorobiphenyl     | 79        |           | 60 - 120 | 06/28/21 15:04 | 06/30/21 19:49 | 1       |
| 2-Fluorophenol       | 54        |           | 52 - 120 | 06/28/21 15:04 | 06/30/21 19:49 | 1       |
| Nitrobenzene-d5      | 83        |           | 53 - 120 | 06/28/21 15:04 | 06/30/21 19:49 | 1       |
| p-Terphenyl-d14      | 89        |           | 79 - 130 | 06/28/21 15:04 | 06/30/21 19:49 | 1       |
| Phenol-d5            | 64        |           | 54 - 120 | 06/28/21 15:04 | 06/30/21 19:49 | 1       |

## Method: 8081B - Organochlorine Pesticides (GC)

| Analyte                    | Result     | Qualifier         | RL  | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------------------------|------------|-------------------|-----|------|-------|---|----------------|----------------|---------|
| 4,4'-DDD                   | ND         |                   | 2.7 | 0.53 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 15:27 | 1       |
| <b>4,4'-DDE</b>            | <b>1.1</b> | <b>J</b>          | 2.7 | 0.57 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 15:27 | 1       |
| <b>4,4'-DDT</b>            | <b>2.7</b> | <b>2.3 J-UJ</b>   | 2.7 | 0.64 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 15:27 | 1       |
| Aldrin                     | ND         |                   | 2.7 | 0.67 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 15:27 | 1       |
| alpha-BHC                  | ND         |                   | 2.7 | 0.49 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 15:27 | 1       |
| beta-BHC                   | ND         |                   | 2.7 | 0.49 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 15:27 | 1       |
| cis-Chlordane              | ND         |                   | 2.7 | 1.4  | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 15:27 | 1       |
| <b>delta-BHC</b>           | <b>2.7</b> | <b>0.86 J-B U</b> | 2.7 | 0.51 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 15:27 | 1       |
| Dieldrin                   | ND         |                   | 2.7 | 0.65 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 15:27 | 1       |
| Endosulfan I               | ND         |                   | 2.7 | 0.52 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 15:27 | 1       |
| Endosulfan II              | ND         |                   | 2.7 | 0.49 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 15:27 | 1       |
| Endosulfan sulfate         | ND         |                   | 2.7 | 0.51 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 15:27 | 1       |
| Endrin                     | ND         |                   | 2.7 | 0.54 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 15:27 | 1       |
| <b>Endrin aldehyde</b>     | <b>2.7</b> | <b>1.9 J-B U</b>  | 2.7 | 0.69 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 15:27 | 1       |
| Endrin ketone              | ND         |                   | 2.7 | 0.67 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 15:27 | 1       |
| <b>gamma-BHC (Lindane)</b> | <b>2.7</b> | <b>0.78 J-B U</b> | 2.7 | 0.50 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 15:27 | 1       |
| Heptachlor                 | ND         |                   | 2.7 | 0.59 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 15:27 | 1       |
| Heptachlor epoxide         | ND         |                   | 2.7 | 0.70 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 15:27 | 1       |
| <b>Methoxychlor</b>        | <b>2.8</b> | <b>J</b>          | 2.7 | 0.55 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 15:27 | 1       |
| Mirex                      | ND         |                   | 2.7 | 0.67 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 15:27 | 1       |
| Toxaphene                  | ND         |                   | 27  | 16   | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 15:27 | 1       |
| trans-Chlordane            | ND         |                   | 2.7 | 0.86 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 15:27 | 1       |

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ALH 9/23/21

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

**Client Sample ID: SS-64-0002**

**Lab Sample ID: 480-186319-1**

**Date Collected: 06/21/21 07:40**

**Matrix: Solid**

**Date Received: 06/21/21 16:14**

**Percent Solids: 60.4**

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| DCB Decachlorobiphenyl | 99        |           | 45 - 120 | 06/28/21 07:45 | 06/29/21 15:27 | 1       |
| DCB Decachlorobiphenyl | 112       |           | 45 - 120 | 06/28/21 07:45 | 06/29/21 15:27 | 1       |
| Tetrachloro-m-xylene   | 96        |           | 30 - 124 | 06/28/21 07:45 | 06/29/21 15:27 | 1       |
| Tetrachloro-m-xylene   | 72        |           | 30 - 124 | 06/28/21 07:45 | 06/29/21 15:27 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| PCB-1016 | ND     |           | 0.41 | 0.080 | mg/Kg | ☼ | 06/26/21 11:52 | 06/28/21 02:35 | 1       |
| PCB-1221 | ND     |           | 0.41 | 0.080 | mg/Kg | ☼ | 06/26/21 11:52 | 06/28/21 02:35 | 1       |
| PCB-1232 | ND     |           | 0.41 | 0.080 | mg/Kg | ☼ | 06/26/21 11:52 | 06/28/21 02:35 | 1       |
| PCB-1242 | ND     |           | 0.41 | 0.080 | mg/Kg | ☼ | 06/26/21 11:52 | 06/28/21 02:35 | 1       |
| PCB-1248 | ND     |           | 0.41 | 0.080 | mg/Kg | ☼ | 06/26/21 11:52 | 06/28/21 02:35 | 1       |
| PCB-1254 | ND     |           | 0.41 | 0.19  | mg/Kg | ☼ | 06/26/21 11:52 | 06/28/21 02:35 | 1       |
| PCB-1260 | ND     |           | 0.41 | 0.19  | mg/Kg | ☼ | 06/26/21 11:52 | 06/28/21 02:35 | 1       |
| PCB-1262 | ND     |           | 0.41 | 0.19  | mg/Kg | ☼ | 06/26/21 11:52 | 06/28/21 02:35 | 1       |
| PCB-1268 | ND     |           | 0.41 | 0.19  | mg/Kg | ☼ | 06/26/21 11:52 | 06/28/21 02:35 | 1       |

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| Tetrachloro-m-xylene   | 149       |           | 60 - 154 | 06/26/21 11:52 | 06/28/21 02:35 | 1       |
| Tetrachloro-m-xylene   | 149       |           | 60 - 154 | 06/26/21 11:52 | 06/28/21 02:35 | 1       |
| DCB Decachlorobiphenyl | 139       |           | 65 - 174 | 06/26/21 11:52 | 06/28/21 02:35 | 1       |
| DCB Decachlorobiphenyl | 102       |           | 65 - 174 | 06/26/21 11:52 | 06/28/21 02:35 | 1       |

## Method: 6010C - Metals (ICP)

| Analyte   | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| Aluminum  | 22500  |           | 15.8 | 6.9   | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 00:15 | 1       |
| Antimony  | ND     |           | 23.7 | 0.63  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 00:15 | 1       |
| Arsenic   | 4.1    |           | 3.2  | 0.63  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 00:15 | 1       |
| Barium    | 121    | ^6+       | 0.79 | 0.17  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 00:15 | 1       |
| Beryllium | 1.0    |           | 0.32 | 0.044 | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 00:15 | 1       |
| Cadmium   | 0.52   |           | 0.32 | 0.047 | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 00:15 | 1       |
| Calcium   | 23000  | B         | 78.9 | 5.2   | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 00:15 | 1       |
| Chromium  | 31.1   |           | 0.79 | 0.32  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 00:15 | 1       |
| Cobalt    | 13.4   |           | 0.79 | 0.079 | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 00:15 | 1       |
| Copper    | 29.3   |           | 1.6  | 0.33  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 00:15 | 1       |
| Iron      | 27700  |           | 15.8 | 5.5   | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 00:15 | 1       |
| Lead      | 30.7   |           | 1.6  | 0.38  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 00:15 | 1       |
| Magnesium | 11300  | B         | 31.6 | 1.5   | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 00:15 | 1       |
| Manganese | 494    | B         | 0.32 | 0.050 | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 00:15 | 1       |
| Nickel    | 34.0   |           | 7.9  | 0.36  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 00:15 | 1       |
| Potassium | 6190   | B         | 47.3 | 31.6  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 00:15 | 1       |
| Selenium  | ND     |           | 6.3  | 0.63  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 00:15 | 1       |
| Silver    | ND     |           | 0.95 | 0.32  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 00:15 | 1       |
| Sodium    | 243    | B         | 221  | 20.5  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 00:15 | 1       |
| Thallium  | ND     |           | 9.5  | 0.47  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 00:15 | 1       |
| Vanadium  | 45.8   |           | 0.79 | 0.17  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 00:15 | 1       |
| Zinc      | 128    |           | 3.2  | 1.0   | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 00:15 | 1       |

## Method: 7471B - Mercury (CVAA)

| Analyte | Result | Qualifier | RL    | MDL    | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------|--------|-----------|-------|--------|-------|---|----------------|----------------|---------|
| Mercury | 0.087  |           | 0.036 | 0.0083 | mg/Kg | ☼ | 06/23/21 16:00 | 06/23/21 18:36 | 1       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

Client Sample ID: SS-62-0212

Lab Sample ID: 480-186319-2

Date Collected: 06/21/21 11:25

Matrix: Solid

Date Received: 06/21/21 16:14

Percent Solids: 94.6

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

| Analyte                       | Result | Qualifier  | RL   | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|--------|------------|------|------|-------|---|----------------|----------------|---------|
| 2,4,5-Trichlorophenol         | ND     |            | 170  | 47   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 20:12 | 1       |
| 2,4,6-Trichlorophenol         | ND     |            | 170  | 35   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 20:12 | 1       |
| 2,4-Dichlorophenol            | ND     |            | 170  | 18   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 20:12 | 1       |
| 2,4-Dimethylphenol            | ND     |            | 170  | 42   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 20:12 | 1       |
| 2,4-Dinitrophenol             | ND     |            | 1700 | 800  | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 20:12 | 1       |
| 2,4-Dinitrotoluene            | ND     |            | 170  | 36   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 20:12 | 1       |
| 2,6-Dinitrotoluene            | ND     |            | 170  | 20   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 20:12 | 1       |
| 2-Chloronaphthalene           | ND     |            | 170  | 29   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 20:12 | 1       |
| 2-Chlorophenol                | ND     |            | 340  | 32   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 20:12 | 1       |
| 2-Methylnaphthalene           | 39     | J          | 170  | 35   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 20:12 | 1       |
| 2-Methylphenol                | ND     |            | 170  | 20   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 20:12 | 1       |
| 2-Nitroaniline                | ND     |            | 340  | 26   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 20:12 | 1       |
| 2-Nitrophenol                 | ND     |            | 170  | 49   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 20:12 | 1       |
| 3,3'-Dichlorobenzidine        | ND     |            | 340  | 200  | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 20:12 | 1       |
| 3-Nitroaniline                | ND     |            | 340  | 48   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 20:12 | 1       |
| 4,6-Dinitro-2-methylphenol    | ND     |            | 340  | 170  | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 20:12 | 1       |
| 4-Bromophenyl phenyl ether    | ND     |            | 170  | 25   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 20:12 | 1       |
| 4-Chloro-3-methylphenol       | ND     |            | 170  | 43   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 20:12 | 1       |
| 4-Chloroaniline               | ND     |            | 170  | 43   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 20:12 | 1       |
| 4-Chlorophenyl phenyl ether   | ND     |            | 170  | 22   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 20:12 | 1       |
| 4-Methylphenol                | ND     |            | 340  | 20   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 20:12 | 1       |
| 4-Nitroaniline                | ND     |            | 340  | 91   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 20:12 | 1       |
| 4-Nitrophenol                 | ND     |            | 340  | 120  | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 20:12 | 1       |
| Acenaphthene                  | 190    |            | 170  | 26   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 20:12 | 1       |
| Acenaphthylene                | ND     |            | 170  | 23   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 20:12 | 1       |
| Acetophenone                  | ND     |            | 170  | 24   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 20:12 | 1       |
| Anthracene                    | 250    |            | 170  | 43   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 20:12 | 1       |
| Atrazine                      | ND     |            | 170  | 60   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 20:12 | 1       |
| Benzaldehyde                  | ND     |            | 170  | 140  | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 20:12 | 1       |
| Benzo(a)anthracene            | 1100   |            | 170  | 17   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 20:12 | 1       |
| Benzo(a)pyrene                | 1200   |            | 170  | 26   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 20:12 | 1       |
| Benzo(b)fluoranthene          | 1500   |            | 170  | 28   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 20:12 | 1       |
| Benzo(g,h,i)perylene          | 760    |            | 170  | 18   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 20:12 | 1       |
| Benzo(k)fluoranthene          | 640    |            | 170  | 23   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 20:12 | 1       |
| Benzoic acid                  | ND     |            | 4900 | 1500 | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 20:12 | 1       |
| Biphenyl                      | ND     |            | 170  | 26   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 20:12 | 1       |
| bis (2-chloroisopropyl) ether | ND     |            | 170  | 35   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 20:12 | 1       |
| Bis(2-chloroethoxy)methane    | ND     |            | 170  | 37   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 20:12 | 1       |
| Bis(2-chloroethyl)ether       | ND     |            | 170  | 23   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 20:12 | 1       |
| Bis(2-ethylhexyl) phthalate   | ND     |            | 170  | 59   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 20:12 | 1       |
| Butyl benzyl phthalate        | ND     |            | 170  | 29   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 20:12 | 1       |
| Caprolactam                   | ND     |            | 170  | 52   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 20:12 | 1       |
| Carbazole                     | 190    |            | 170  | 20   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 20:12 | 1       |
| Chrysene                      | 1200   |            | 170  | 39   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 20:12 | 1       |
| Dibenz(a,h)anthracene         | 240    |            | 170  | 31   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 20:12 | 1       |
| Dibenzofuran                  | 61     | J          | 170  | 20   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 20:12 | 1       |
| Diethyl phthalate             | ND     |            | 170  | 23   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 20:12 | 1       |
| Dimethyl phthalate            | ND     |            | 170  | 20   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 20:12 | 1       |
| Di-n-butyl phthalate          | 170    | 120 J-B- U | 170  | 30   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 20:12 | 1       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

Client Sample ID: SS-62-0212

Lab Sample ID: 480-186319-2

Date Collected: 06/21/21 11:25

Matrix: Solid

Date Received: 06/21/21 16:14

Percent Solids: 94.6

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

| Analyte                   | Result | Qualifier | RL  | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------------|--------|-----------|-----|-----|-------|---|----------------|----------------|---------|
| Di-n-octyl phthalate      | ND     |           | 170 | 20  | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 20:12 | 1       |
| Fluoranthene              | 1600   |           | 170 | 18  | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 20:12 | 1       |
| Fluorene                  | 110    | J         | 170 | 20  | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 20:12 | 1       |
| Hexachlorobenzene         | ND     |           | 170 | 24  | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 20:12 | 1       |
| Hexachlorobutadiene       | ND     |           | 170 | 26  | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 20:12 | 1       |
| Hexachlorocyclopentadiene | ND     |           | 170 | 24  | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 20:12 | 1       |
| Hexachloroethane          | ND     |           | 170 | 23  | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 20:12 | 1       |
| Indeno(1,2,3-cd)pyrene    | 740    |           | 170 | 22  | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 20:12 | 1       |
| Isophorone                | ND     |           | 170 | 37  | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 20:12 | 1       |
| Naphthalene               | 79     | J         | 170 | 23  | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 20:12 | 1       |
| Nitrobenzene              | ND     |           | 170 | 19  | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 20:12 | 1       |
| N-Nitrosodi-n-propylamine | ND     |           | 170 | 30  | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 20:12 | 1       |
| N-Nitrosodiphenylamine    | ND     |           | 170 | 140 | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 20:12 | 1       |
| Pentachlorophenol         | ND     |           | 340 | 170 | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 20:12 | 1       |
| Phenanthrene              | 980    |           | 170 | 26  | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 20:12 | 1       |
| Phenol                    | ND     |           | 170 | 27  | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 20:12 | 1       |
| Pyrene                    | 1400   |           | 170 | 20  | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 20:12 | 1       |

| Surrogate            | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 2,4,6-Tribromophenol | 68        |           | 54 - 120 | 06/28/21 15:04 | 06/30/21 20:12 | 1       |
| 2-Fluorobiphenyl     | 71        |           | 60 - 120 | 06/28/21 15:04 | 06/30/21 20:12 | 1       |
| 2-Fluorophenol       | 65        |           | 52 - 120 | 06/28/21 15:04 | 06/30/21 20:12 | 1       |
| Nitrobenzene-d5      | 71        |           | 53 - 120 | 06/28/21 15:04 | 06/30/21 20:12 | 1       |
| p-Terphenyl-d14      | 73        | S1-       | 79 - 130 | 06/28/21 15:04 | 06/30/21 20:12 | 1       |
| Phenol-d5            | 67        |           | 54 - 120 | 06/28/21 15:04 | 06/30/21 20:12 | 1       |

## Method: 8081B - Organochlorine Pesticides (GC)

| Analyte             | Result | Qualifier  | RL  | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|--------|------------|-----|-----|-------|---|----------------|----------------|---------|
| 4,4'-DDD            | 10     | J-NJ       | 35  | 6.8 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 15:47 | 20      |
| 4,4'-DDE            | 16     | J--J       | 35  | 7.4 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 15:47 | 20      |
| 4,4'-DDT            | 110    | J          | 35  | 8.2 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 15:47 | 20      |
| Aldrin              | ND     |            | 35  | 8.6 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 15:47 | 20      |
| alpha-BHC           | ND     |            | 35  | 6.3 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 15:47 | 20      |
| beta-BHC            | ND     |            | 35  | 6.3 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 15:47 | 20      |
| cis-Chlordane       | ND     |            | 35  | 17  | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 15:47 | 20      |
| delta-BHC           | ND     |            | 35  | 6.5 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 15:47 | 20      |
| Dieldrin            | 30     | J-NJ       | 35  | 8.4 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 15:47 | 20      |
| Endosulfan I        | ND     |            | 35  | 6.7 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 15:47 | 20      |
| Endosulfan II       | ND     |            | 35  | 6.3 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 15:47 | 20      |
| Endosulfan sulfate  | ND     |            | 35  | 6.5 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 15:47 | 20      |
| Endrin              | 7.8    | J-J        | 35  | 6.9 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 15:47 | 20      |
| Endrin aldehyde     | 35     | -19-J-B- U | 35  | 9.0 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 15:47 | 20      |
| Endrin ketone       | ND     |            | 35  | 8.6 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 15:47 | 20      |
| gamma-BHC (Lindane) | 35     | 11--J-B U  | 35  | 6.4 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 15:47 | 20      |
| Heptachlor          | ND     |            | 35  | 7.6 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 15:47 | 20      |
| Heptachlor epoxide  | ND     |            | 35  | 9.0 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 15:47 | 20      |
| Methoxychlor        | 27     | J NJ       | 35  | 7.1 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 15:47 | 20      |
| Mirex               | ND     |            | 35  | 8.6 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 15:47 | 20      |
| Toxaphene           | ND     |            | 350 | 200 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 15:47 | 20      |
| trans-Chlordane     | 13     | J          | 35  | 11  | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 15:47 | 20      |

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ALH 9/23/21



# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

Client Sample ID: SS-62-0212

Lab Sample ID: 480-186319-2

Date Collected: 06/21/21 11:25

Matrix: Solid

Date Received: 06/21/21 16:14

Percent Solids: 94.6

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| DCB Decachlorobiphenyl | 146       | S1+       | 45 - 120 | 06/28/21 07:45 | 06/29/21 15:47 | 20      |
| DCB Decachlorobiphenyl | 978       | S1+       | 45 - 120 | 06/28/21 07:45 | 06/29/21 15:47 | 20      |
| Tetrachloro-m-xylene   | 0         | S1-       | 30 - 124 | 06/28/21 07:45 | 06/29/21 15:47 | 20      |
| Tetrachloro-m-xylene   | 0         | S1-       | 30 - 124 | 06/28/21 07:45 | 06/29/21 15:47 | 20      |

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

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| PCB-1016 | ND     |           | 0.19 | 0.037 | mg/Kg | ☼ | 06/26/21 11:52 | 06/28/21 02:48 | 1       |
| PCB-1221 | ND     |           | 0.19 | 0.037 | mg/Kg | ☼ | 06/26/21 11:52 | 06/28/21 02:48 | 1       |
| PCB-1232 | 0.19   | J         | 0.19 | 0.037 | mg/Kg | ☼ | 06/26/21 11:52 | 06/28/21 02:48 | 1       |
| PCB-1242 | ND     |           | 0.19 | 0.037 | mg/Kg | ☼ | 06/26/21 11:52 | 06/28/21 02:48 | 1       |
| PCB-1248 | ND     |           | 0.19 | 0.037 | mg/Kg | ☼ | 06/26/21 11:52 | 06/28/21 02:48 | 1       |
| PCB-1254 | ND     |           | 0.19 | 0.089 | mg/Kg | ☼ | 06/26/21 11:52 | 06/28/21 02:48 | 1       |
| PCB-1260 | 0.71   |           | 0.19 | 0.089 | mg/Kg | ☼ | 06/26/21 11:52 | 06/28/21 02:48 | 1       |
| PCB-1262 | ND     |           | 0.19 | 0.089 | mg/Kg | ☼ | 06/26/21 11:52 | 06/28/21 02:48 | 1       |
| PCB-1268 | ND     |           | 0.19 | 0.089 | mg/Kg | ☼ | 06/26/21 11:52 | 06/28/21 02:48 | 1       |

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| Tetrachloro-m-xylene   | 149       |           | 60 - 154 | 06/26/21 11:52 | 06/28/21 02:48 | 1       |
| Tetrachloro-m-xylene   | 150       |           | 60 - 154 | 06/26/21 11:52 | 06/28/21 02:48 | 1       |
| DCB Decachlorobiphenyl | 154       |           | 65 - 174 | 06/26/21 11:52 | 06/28/21 02:48 | 1       |
| DCB Decachlorobiphenyl | 99        |           | 65 - 174 | 06/26/21 11:52 | 06/28/21 02:48 | 1       |

## Method: 6010C - Metals (ICP)

| Analyte   | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| Aluminum  | 11100  |           | 11.0 | 4.8   | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 00:19 | 1       |
| Antimony  | ND     |           | 33.0 | 0.88  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 15:51 | 2       |
| Arsenic   | 13.3   |           | 2.2  | 0.44  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 00:19 | 1       |
| Barium    | 244    | ^6+       | 0.55 | 0.12  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 00:19 | 1       |
| Beryllium | 1.6    |           | 0.22 | 0.031 | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 00:19 | 1       |
| Cadmium   | 3.7    |           | 0.44 | 0.066 | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 15:51 | 2       |
| Calcium   | 37000  | B         | 55.0 | 3.6   | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 00:19 | 1       |
| Chromium  | 69.7   |           | 1.1  | 0.44  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 15:51 | 2       |
| Cobalt    | 13.6   |           | 0.55 | 0.055 | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 00:19 | 1       |
| Copper    | 151    |           | 1.1  | 0.23  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 00:19 | 1       |
| Iron      | 115000 |           | 22.0 | 7.7   | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 15:51 | 2       |
| Lead      | 177    |           | 2.2  | 0.53  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 15:51 | 2       |
| Magnesium | 5180   | B         | 22.0 | 1.0   | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 00:19 | 1       |
| Manganese | 1260   | B         | 0.44 | 0.070 | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 15:51 | 2       |
| Nickel    | 64.4   |           | 11.0 | 0.51  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 15:51 | 2       |
| Potassium | 1830   | B         | 33.0 | 22.0  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 00:19 | 1       |
| Selenium  | ND     |           | 4.4  | 0.44  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 00:19 | 1       |
| Silver    | 6.7    |           | 0.66 | 0.22  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 00:19 | 1       |
| Sodium    | 295    | B         | 154  | 14.3  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 00:19 | 1       |
| Thallium  | ND     |           | 6.6  | 0.33  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 00:19 | 1       |
| Vanadium  | 22.0   |           | 1.1  | 0.24  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 15:51 | 2       |
| Zinc      | 547    |           | 2.2  | 0.70  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 00:19 | 1       |

## Method: 7471B - Mercury (CVAA)

| Analyte | Result | Qualifier | RL    | MDL    | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------|--------|-----------|-------|--------|-------|---|----------------|----------------|---------|
| Mercury | 1.1    | F1        | 0.020 | 0.0045 | mg/Kg | ☼ | 06/23/21 16:00 | 06/23/21 18:37 | 1       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

Client Sample ID: SS-01-0002

Lab Sample ID: 480-186319-3

Date Collected: 06/21/21 09:30

Matrix: Solid

Date Received: 06/21/21 16:14

Percent Solids: 72.6

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

| Analyte                       | Result | Qualifier      | RL   | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|--------|----------------|------|------|-------|---|----------------|----------------|---------|
| 2,4,5-Trichlorophenol         | ND     |                | 230  | 63   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 20:36 | 1       |
| 2,4,6-Trichlorophenol         | ND     |                | 230  | 47   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 20:36 | 1       |
| 2,4-Dichlorophenol            | ND     |                | 230  | 25   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 20:36 | 1       |
| 2,4-Dimethylphenol            | ND     |                | 230  | 56   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 20:36 | 1       |
| 2,4-Dinitrophenol             | ND     |                | 2300 | 1100 | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 20:36 | 1       |
| 2,4-Dinitrotoluene            | ND     |                | 230  | 48   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 20:36 | 1       |
| 2,6-Dinitrotoluene            | ND     |                | 230  | 28   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 20:36 | 1       |
| 2-Chloronaphthalene           | ND     |                | 230  | 39   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 20:36 | 1       |
| 2-Chlorophenol                | ND     |                | 450  | 43   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 20:36 | 1       |
| 2-Methylnaphthalene           | ND     |                | 230  | 47   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 20:36 | 1       |
| 2-Methylphenol                | ND     |                | 230  | 28   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 20:36 | 1       |
| 2-Nitroaniline                | ND     |                | 450  | 34   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 20:36 | 1       |
| 2-Nitrophenol                 | ND     |                | 230  | 66   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 20:36 | 1       |
| 3,3'-Dichlorobenzidine        | ND     |                | 450  | 280  | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 20:36 | 1       |
| 3-Nitroaniline                | ND     |                | 450  | 65   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 20:36 | 1       |
| 4,6-Dinitro-2-methylphenol    | ND     |                | 450  | 230  | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 20:36 | 1       |
| 4-Bromophenyl phenyl ether    | ND     |                | 230  | 33   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 20:36 | 1       |
| 4-Chloro-3-methylphenol       | ND     |                | 230  | 58   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 20:36 | 1       |
| 4-Chloroaniline               | ND     |                | 230  | 58   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 20:36 | 1       |
| 4-Chlorophenyl phenyl ether   | ND     |                | 230  | 29   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 20:36 | 1       |
| 4-Methylphenol                | ND     |                | 450  | 28   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 20:36 | 1       |
| 4-Nitroaniline                | ND     |                | 450  | 120  | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 20:36 | 1       |
| 4-Nitrophenol                 | ND     |                | 450  | 160  | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 20:36 | 1       |
| Acenaphthene                  | ND     |                | 230  | 34   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 20:36 | 1       |
| Acenaphthylene                | ND     |                | 230  | 30   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 20:36 | 1       |
| Acetophenone                  | ND     |                | 230  | 32   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 20:36 | 1       |
| Anthracene                    | ND     |                | 230  | 58   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 20:36 | 1       |
| Atrazine                      | ND     |                | 230  | 81   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 20:36 | 1       |
| Benzaldehyde                  | ND     |                | 230  | 190  | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 20:36 | 1       |
| Benzo(a)anthracene            | ND     |                | 230  | 23   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 20:36 | 1       |
| Benzo(a)pyrene                | ND     |                | 230  | 34   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 20:36 | 1       |
| Benzo(b)fluoranthene          | ND     |                | 230  | 37   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 20:36 | 1       |
| Benzo(g,h,i)perylene          | ND     |                | 230  | 25   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 20:36 | 1       |
| Benzo(k)fluoranthene          | ND     |                | 230  | 30   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 20:36 | 1       |
| Benzoic acid                  | ND     |                | 6600 | 2100 | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 20:36 | 1       |
| Biphenyl                      | ND     |                | 230  | 34   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 20:36 | 1       |
| bis (2-chloroisopropyl) ether | ND     |                | 230  | 47   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 20:36 | 1       |
| Bis(2-chloroethoxy)methane    | ND     |                | 230  | 50   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 20:36 | 1       |
| Bis(2-chloroethyl)ether       | ND     |                | 230  | 30   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 20:36 | 1       |
| Bis(2-ethylhexyl) phthalate   | ND     |                | 230  | 80   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 20:36 | 1       |
| Butyl benzyl phthalate        | ND     |                | 230  | 39   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 20:36 | 1       |
| Caprolactam                   | ND     |                | 230  | 70   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 20:36 | 1       |
| Carbazole                     | ND     |                | 230  | 28   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 20:36 | 1       |
| Chrysene                      | ND     |                | 230  | 52   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 20:36 | 1       |
| Dibenz(a,h)anthracene         | ND     |                | 230  | 41   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 20:36 | 1       |
| Dibenzofuran                  | ND     |                | 230  | 28   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 20:36 | 1       |
| Diethyl phthalate             | ND     |                | 230  | 30   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 20:36 | 1       |
| Dimethyl phthalate            | ND     |                | 230  | 28   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 20:36 | 1       |
| Di-n-butyl phthalate          | 230    | ---170--J-B- U | 230  | 40   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 20:36 | 1       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

Client Sample ID: SS-01-0002

Lab Sample ID: 480-186319-3

Date Collected: 06/21/21 09:30

Matrix: Solid

Date Received: 06/21/21 16:14

Percent Solids: 72.6

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

| Analyte                   | Result | Qualifier | RL  | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------------|--------|-----------|-----|-----|-------|---|----------------|----------------|---------|
| Di-n-octyl phthalate      | ND     |           | 230 | 28  | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 20:36 | 1       |
| Fluoranthene              | 43     | J         | 230 | 25  | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 20:36 | 1       |
| Fluorene                  | ND     |           | 230 | 28  | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 20:36 | 1       |
| Hexachlorobenzene         | ND     |           | 230 | 32  | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 20:36 | 1       |
| Hexachlorobutadiene       | ND     |           | 230 | 34  | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 20:36 | 1       |
| Hexachlorocyclopentadiene | ND     |           | 230 | 32  | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 20:36 | 1       |
| Hexachloroethane          | ND     |           | 230 | 30  | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 20:36 | 1       |
| Indeno(1,2,3-cd)pyrene    | ND     |           | 230 | 29  | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 20:36 | 1       |
| Isophorone                | ND     |           | 230 | 50  | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 20:36 | 1       |
| Naphthalene               | ND     |           | 230 | 30  | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 20:36 | 1       |
| Nitrobenzene              | ND     |           | 230 | 26  | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 20:36 | 1       |
| N-Nitrosodi-n-propylamine | ND     |           | 230 | 40  | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 20:36 | 1       |
| N-Nitrosodiphenylamine    | ND     |           | 230 | 190 | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 20:36 | 1       |
| Pentachlorophenol         | ND     |           | 450 | 230 | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 20:36 | 1       |
| Phenanthrene              | ND     |           | 230 | 34  | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 20:36 | 1       |
| Phenol                    | ND     |           | 230 | 36  | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 20:36 | 1       |
| Pyrene                    | 38     | J         | 230 | 28  | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 20:36 | 1       |

| Surrogate            | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 2,4,6-Tribromophenol | 88        |           | 54 - 120 | 06/28/21 15:04 | 06/30/21 20:36 | 1       |
| 2-Fluorobiphenyl     | 80        |           | 60 - 120 | 06/28/21 15:04 | 06/30/21 20:36 | 1       |
| 2-Fluorophenol       | 74        |           | 52 - 120 | 06/28/21 15:04 | 06/30/21 20:36 | 1       |
| Nitrobenzene-d5      | 77        |           | 53 - 120 | 06/28/21 15:04 | 06/30/21 20:36 | 1       |
| p-Terphenyl-d14      | 88        |           | 79 - 130 | 06/28/21 15:04 | 06/30/21 20:36 | 1       |
| Phenol-d5            | 75        |           | 54 - 120 | 06/28/21 15:04 | 06/30/21 20:36 | 1       |

## Method: 8081B - Organochlorine Pesticides (GC)

| Analyte             | Result | Qualifier    | RL  | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|--------|--------------|-----|------|-------|---|----------------|----------------|---------|
| 4,4'-DDD            | ND     |              | 2.3 | 0.44 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 16:06 | 1       |
| 4,4'-DDE            | 1.8    | J- J         | 2.3 | 0.48 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 16:06 | 1       |
| 4,4'-DDT            | 6.2    | J            | 2.3 | 0.53 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 16:06 | 1       |
| Aldrin              | ND     |              | 2.3 | 0.56 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 16:06 | 1       |
| alpha-BHC           | ND     |              | 2.3 | 0.41 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 16:06 | 1       |
| beta-BHC            | 0.46   | -J NJ        | 2.3 | 0.41 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 16:06 | 1       |
| cis-Chlordane       | ND     |              | 2.3 | 1.1  | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 16:06 | 1       |
| delta-BHC           | 2.3    | 1.0 -J-B- U  | 2.3 | 0.42 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 16:06 | 1       |
| Dieldrin            | 1.6    | J -J         | 2.3 | 0.55 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 16:06 | 1       |
| Endosulfan I        | 1.0    | -J NJ        | 2.3 | 0.44 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 16:06 | 1       |
| Endosulfan II       | 0.62   | -J-N J       | 2.3 | 0.41 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 16:06 | 1       |
| Endosulfan sulfate  | ND     |              | 2.3 | 0.43 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 16:06 | 1       |
| Endrin              | 0.77   | -J-J         | 2.3 | 0.45 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 16:06 | 1       |
| Endrin aldehyde     | 4.0    | -B- J        | 2.3 | 0.58 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 16:06 | 1       |
| Endrin ketone       | ND     |              | 2.3 | 0.56 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 16:06 | 1       |
| gamma-BHC (Lindane) | 2.3    | 0.90 -J-B- U | 2.3 | 0.42 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 16:06 | 1       |
| Heptachlor          | ND     |              | 2.3 | 0.49 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 16:06 | 1       |
| Heptachlor epoxide  | ND     |              | 2.3 | 0.59 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 16:06 | 1       |
| Methoxychlor        | ND     | UJ           | 2.3 | 0.47 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 16:06 | 1       |
| Mirex               | ND     |              | 2.3 | 0.56 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 16:06 | 1       |
| Toxaphene           | ND     |              | 23  | 13   | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 16:06 | 1       |
| trans-Chlordane     | 1.7    | -J-NJ        | 2.3 | 0.73 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 16:06 | 1       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

**Client Sample ID: SS-01-0002**

**Lab Sample ID: 480-186319-3**

**Date Collected: 06/21/21 09:30**

**Matrix: Solid**

**Date Received: 06/21/21 16:14**

**Percent Solids: 72.6**

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| DCB Decachlorobiphenyl | 313       | S1+       | 45 - 120 | 06/28/21 07:45 | 06/29/21 16:06 | 1       |
| DCB Decachlorobiphenyl | 134       | S1+       | 45 - 120 | 06/28/21 07:45 | 06/29/21 16:06 | 1       |
| Tetrachloro-m-xylene   | 118       |           | 30 - 124 | 06/28/21 07:45 | 06/29/21 16:06 | 1       |
| Tetrachloro-m-xylene   | 70        |           | 30 - 124 | 06/28/21 07:45 | 06/29/21 16:06 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| PCB-1016 | ND     |           | 0.34 | 0.066 | mg/Kg | ☼ | 06/26/21 11:52 | 06/28/21 03:01 | 1       |
| PCB-1221 | ND     |           | 0.34 | 0.066 | mg/Kg | ☼ | 06/26/21 11:52 | 06/28/21 03:01 | 1       |
| PCB-1232 | ND     |           | 0.34 | 0.066 | mg/Kg | ☼ | 06/26/21 11:52 | 06/28/21 03:01 | 1       |
| PCB-1242 | ND     |           | 0.34 | 0.066 | mg/Kg | ☼ | 06/26/21 11:52 | 06/28/21 03:01 | 1       |
| PCB-1248 | ND     |           | 0.34 | 0.066 | mg/Kg | ☼ | 06/26/21 11:52 | 06/28/21 03:01 | 1       |
| PCB-1254 | ND     |           | 0.34 | 0.16  | mg/Kg | ☼ | 06/26/21 11:52 | 06/28/21 03:01 | 1       |
| PCB-1260 | ND     |           | 0.34 | 0.16  | mg/Kg | ☼ | 06/26/21 11:52 | 06/28/21 03:01 | 1       |
| PCB-1262 | ND     |           | 0.34 | 0.16  | mg/Kg | ☼ | 06/26/21 11:52 | 06/28/21 03:01 | 1       |
| PCB-1268 | ND     |           | 0.34 | 0.16  | mg/Kg | ☼ | 06/26/21 11:52 | 06/28/21 03:01 | 1       |

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| Tetrachloro-m-xylene   | 144       |           | 60 - 154 | 06/26/21 11:52 | 06/28/21 03:01 | 1       |
| Tetrachloro-m-xylene   | 146       |           | 60 - 154 | 06/26/21 11:52 | 06/28/21 03:01 | 1       |
| DCB Decachlorobiphenyl | 133       |           | 65 - 174 | 06/26/21 11:52 | 06/28/21 03:01 | 1       |
| DCB Decachlorobiphenyl | 97        |           | 65 - 174 | 06/26/21 11:52 | 06/28/21 03:01 | 1       |

## Method: 6010C - Metals (ICP)

| Analyte   | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| Aluminum  | 9950   |           | 13.9 | 6.1   | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 00:23 | 1       |
| Antimony  | ND     |           | 20.9 | 0.56  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 00:23 | 1       |
| Arsenic   | 3.2    |           | 2.8  | 0.56  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 00:23 | 1       |
| Barium    | 58.6   | ^6+       | 0.70 | 0.15  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 00:23 | 1       |
| Beryllium | 0.44   |           | 0.28 | 0.039 | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 00:23 | 1       |
| Cadmium   | 0.52   |           | 0.28 | 0.042 | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 00:23 | 1       |
| Calcium   | 29300  | B         | 69.6 | 4.6   | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 00:23 | 1       |
| Chromium  | 15.4   |           | 0.70 | 0.28  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 00:23 | 1       |
| Cobalt    | 6.3    |           | 0.70 | 0.070 | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 00:23 | 1       |
| Copper    | 17.9   |           | 1.4  | 0.29  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 00:23 | 1       |
| Iron      | 14800  |           | 13.9 | 4.9   | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 00:23 | 1       |
| Lead      | 28.3   |           | 1.4  | 0.33  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 00:23 | 1       |
| Magnesium | 13500  | B         | 27.8 | 1.3   | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 00:23 | 1       |
| Manganese | 306    | B         | 0.28 | 0.045 | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 00:23 | 1       |
| Nickel    | 16.7   |           | 7.0  | 0.32  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 00:23 | 1       |
| Potassium | 2640   | B         | 41.7 | 27.8  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 00:23 | 1       |
| Selenium  | ND     |           | 5.6  | 0.56  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 00:23 | 1       |
| Silver    | 0.31   | J         | 0.83 | 0.28  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 00:23 | 1       |
| Sodium    | 173    | J B       | 195  | 18.1  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 00:23 | 1       |
| Thallium  | ND     |           | 8.3  | 0.42  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 00:23 | 1       |
| Vanadium  | 25.0   |           | 0.70 | 0.15  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 00:23 | 1       |
| Zinc      | 86.0   |           | 2.8  | 0.89  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 00:23 | 1       |

## Method: 7471B - Mercury (CVAA)

| Analyte | Result | Qualifier | RL    | MDL    | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------|--------|-----------|-------|--------|-------|---|----------------|----------------|---------|
| Mercury | 0.24   |           | 0.025 | 0.0058 | mg/Kg | ☼ | 06/23/21 16:00 | 06/23/21 18:42 | 1       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

Client Sample ID: SS-01-0212

Lab Sample ID: 480-186319-4

Date Collected: 06/21/21 09:35

Matrix: Solid

Date Received: 06/21/21 16:14

Percent Solids: 82.6

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

| Analyte                       | Result | Qualifier  | RL   | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|--------|------------|------|------|-------|---|----------------|----------------|---------|
| 2,4,5-Trichlorophenol         | ND     |            | 200  | 55   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 21:00 | 1       |
| 2,4,6-Trichlorophenol         | ND     |            | 200  | 40   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 21:00 | 1       |
| 2,4-Dichlorophenol            | ND     |            | 200  | 21   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 21:00 | 1       |
| 2,4-Dimethylphenol            | ND     |            | 200  | 49   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 21:00 | 1       |
| 2,4-Dinitrophenol             | ND     |            | 2000 | 930  | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 21:00 | 1       |
| 2,4-Dinitrotoluene            | ND     |            | 200  | 42   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 21:00 | 1       |
| 2,6-Dinitrotoluene            | ND     |            | 200  | 24   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 21:00 | 1       |
| 2-Chloronaphthalene           | ND     |            | 200  | 33   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 21:00 | 1       |
| 2-Chlorophenol                | ND     |            | 390  | 37   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 21:00 | 1       |
| 2-Methylnaphthalene           | ND     |            | 200  | 40   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 21:00 | 1       |
| 2-Methylphenol                | ND     |            | 200  | 24   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 21:00 | 1       |
| 2-Nitroaniline                | ND     |            | 390  | 30   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 21:00 | 1       |
| 2-Nitrophenol                 | ND     |            | 200  | 57   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 21:00 | 1       |
| 3,3'-Dichlorobenzidine        | ND     |            | 390  | 240  | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 21:00 | 1       |
| 3-Nitroaniline                | ND     |            | 390  | 56   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 21:00 | 1       |
| 4,6-Dinitro-2-methylphenol    | ND     |            | 390  | 200  | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 21:00 | 1       |
| 4-Bromophenyl phenyl ether    | ND     |            | 200  | 28   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 21:00 | 1       |
| 4-Chloro-3-methylphenol       | ND     |            | 200  | 50   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 21:00 | 1       |
| 4-Chloroaniline               | ND     |            | 200  | 50   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 21:00 | 1       |
| 4-Chlorophenyl phenyl ether   | ND     |            | 200  | 25   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 21:00 | 1       |
| 4-Methylphenol                | ND     |            | 390  | 24   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 21:00 | 1       |
| 4-Nitroaniline                | ND     |            | 390  | 110  | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 21:00 | 1       |
| 4-Nitrophenol                 | ND     |            | 390  | 140  | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 21:00 | 1       |
| Acenaphthene                  | ND     |            | 200  | 30   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 21:00 | 1       |
| Acenaphthylene                | ND     |            | 200  | 26   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 21:00 | 1       |
| Acetophenone                  | ND     |            | 200  | 27   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 21:00 | 1       |
| Anthracene                    | ND     |            | 200  | 50   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 21:00 | 1       |
| Atrazine                      | ND     |            | 200  | 70   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 21:00 | 1       |
| Benzaldehyde                  | ND     |            | 200  | 160  | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 21:00 | 1       |
| Benzo(a)anthracene            | ND     |            | 200  | 20   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 21:00 | 1       |
| Benzo(a)pyrene                | ND     |            | 200  | 30   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 21:00 | 1       |
| Benzo(b)fluoranthene          | ND     |            | 200  | 32   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 21:00 | 1       |
| Benzo(g,h,i)perylene          | ND     |            | 200  | 21   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 21:00 | 1       |
| Benzo(k)fluoranthene          | ND     |            | 200  | 26   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 21:00 | 1       |
| Benzoic acid                  | ND     |            | 5700 | 1800 | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 21:00 | 1       |
| Biphenyl                      | ND     |            | 200  | 30   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 21:00 | 1       |
| bis (2-chloroisopropyl) ether | ND     |            | 200  | 40   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 21:00 | 1       |
| Bis(2-chloroethoxy)methane    | ND     |            | 200  | 43   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 21:00 | 1       |
| Bis(2-chloroethyl)ether       | ND     |            | 200  | 26   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 21:00 | 1       |
| Bis(2-ethylhexyl) phthalate   | ND     |            | 200  | 69   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 21:00 | 1       |
| Butyl benzyl phthalate        | ND     |            | 200  | 33   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 21:00 | 1       |
| Caprolactam                   | ND     |            | 200  | 60   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 21:00 | 1       |
| Carbazole                     | ND     |            | 200  | 24   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 21:00 | 1       |
| Chrysene                      | ND     |            | 200  | 45   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 21:00 | 1       |
| Dibenz(a,h)anthracene         | ND     |            | 200  | 36   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 21:00 | 1       |
| Dibenzofuran                  | ND     |            | 200  | 24   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 21:00 | 1       |
| Diethyl phthalate             | ND     |            | 200  | 26   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 21:00 | 1       |
| Dimethyl phthalate            | ND     |            | 200  | 24   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 21:00 | 1       |
| Di-n-butyl phthalate          | 200    | -150-J-B U | 200  | 34   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 21:00 | 1       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

Client Sample ID: SS-01-0212

Lab Sample ID: 480-186319-4

Date Collected: 06/21/21 09:35

Matrix: Solid

Date Received: 06/21/21 16:14

Percent Solids: 82.6

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

| Analyte                   | Result | Qualifier | RL  | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------------|--------|-----------|-----|-----|-------|---|----------------|----------------|---------|
| Di-n-octyl phthalate      | ND     |           | 200 | 24  | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 21:00 | 1       |
| Fluoranthene              | 21     | J         | 200 | 21  | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 21:00 | 1       |
| Fluorene                  | ND     |           | 200 | 24  | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 21:00 | 1       |
| Hexachlorobenzene         | ND     |           | 200 | 27  | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 21:00 | 1       |
| Hexachlorobutadiene       | ND     |           | 200 | 30  | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 21:00 | 1       |
| Hexachlorocyclopentadiene | ND     |           | 200 | 27  | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 21:00 | 1       |
| Hexachloroethane          | ND     |           | 200 | 26  | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 21:00 | 1       |
| Indeno(1,2,3-cd)pyrene    | ND     |           | 200 | 25  | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 21:00 | 1       |
| Isophorone                | ND     |           | 200 | 43  | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 21:00 | 1       |
| Naphthalene               | ND     |           | 200 | 26  | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 21:00 | 1       |
| Nitrobenzene              | ND     |           | 200 | 23  | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 21:00 | 1       |
| N-Nitrosodi-n-propylamine | ND     |           | 200 | 34  | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 21:00 | 1       |
| N-Nitrosodiphenylamine    | ND     |           | 200 | 160 | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 21:00 | 1       |
| Pentachlorophenol         | ND     |           | 390 | 200 | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 21:00 | 1       |
| Phenanthrene              | ND     |           | 200 | 30  | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 21:00 | 1       |
| Phenol                    | ND     |           | 200 | 31  | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 21:00 | 1       |
| Pyrene                    | ND     |           | 200 | 24  | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 21:00 | 1       |

| Surrogate            | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 2,4,6-Tribromophenol | 71        |           | 54 - 120 | 06/28/21 15:04 | 06/30/21 21:00 | 1       |
| 2-Fluorobiphenyl     | 64        |           | 60 - 120 | 06/28/21 15:04 | 06/30/21 21:00 | 1       |
| 2-Fluorophenol       | 60        |           | 52 - 120 | 06/28/21 15:04 | 06/30/21 21:00 | 1       |
| Nitrobenzene-d5      | 62        |           | 53 - 120 | 06/28/21 15:04 | 06/30/21 21:00 | 1       |
| p-Terphenyl-d14      | 73        | S1-       | 79 - 130 | 06/28/21 15:04 | 06/30/21 21:00 | 1       |
| Phenol-d5            | 60        |           | 54 - 120 | 06/28/21 15:04 | 06/30/21 21:00 | 1       |

## Method: 8081B - Organochlorine Pesticides (GC)

| Analyte             | Result | Qualifier    | RL  | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|--------|--------------|-----|------|-------|---|----------------|----------------|---------|
| 4,4'-DDD            | 1.1    | J--J         | 2.0 | 0.39 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 16:26 | 1       |
| 4,4'-DDE            | 1.9    | J--J         | 2.0 | 0.42 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 16:26 | 1       |
| 4,4'-DDT            | 5.0    | J            | 2.0 | 0.46 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 16:26 | 1       |
| Aldrin              | ND     |              | 2.0 | 0.49 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 16:26 | 1       |
| alpha-BHC           | ND     |              | 2.0 | 0.36 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 16:26 | 1       |
| beta-BHC            | ND     |              | 2.0 | 0.36 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 16:26 | 1       |
| cis-Chlordane       | ND     |              | 2.0 | 0.99 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 16:26 | 1       |
| delta-BHC           | 2.0    | -0.99--J-B-U | 2.0 | 0.37 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 16:26 | 1       |
| Dieldrin            | 0.73   | J--NJ        | 2.0 | 0.48 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 16:26 | 1       |
| Endosulfan I        | 0.58   | J--NJ        | 2.0 | 0.38 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 16:26 | 1       |
| Endosulfan II       | ND     |              | 2.0 | 0.36 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 16:26 | 1       |
| Endosulfan sulfate  | ND     |              | 2.0 | 0.37 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 16:26 | 1       |
| Endrin              | ND     |              | 2.0 | 0.39 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 16:26 | 1       |
| Endrin aldehyde     | 3.0    | -B--J        | 2.0 | 0.51 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 16:26 | 1       |
| Endrin ketone       | ND     |              | 2.0 | 0.49 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 16:26 | 1       |
| gamma-BHC (Lindane) | 2.0    | 0.58--J-B-U  | 2.0 | 0.36 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 16:26 | 1       |
| Heptachlor          | ND     |              | 2.0 | 0.43 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 16:26 | 1       |
| Heptachlor epoxide  | ND     |              | 2.0 | 0.51 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 16:26 | 1       |
| Methoxychlor        | ND     | UJ           | 2.0 | 0.40 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 16:26 | 1       |
| Mirex               | ND     |              | 2.0 | 0.49 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 16:26 | 1       |
| Toxaphene           | ND     |              | 20  | 12   | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 16:26 | 1       |
| trans-Chlordane     | 1.4    | -J--NJ       | 2.0 | 0.63 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 16:26 | 1       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

**Client Sample ID: SS-01-0212**

**Lab Sample ID: 480-186319-4**

**Date Collected: 06/21/21 09:35**

**Matrix: Solid**

**Date Received: 06/21/21 16:14**

**Percent Solids: 82.6**

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| DCB Decachlorobiphenyl | 96        |           | 45 - 120 | 06/28/21 07:45 | 06/29/21 16:26 | 1       |
| DCB Decachlorobiphenyl | 161       | S1+       | 45 - 120 | 06/28/21 07:45 | 06/29/21 16:26 | 1       |
| Tetrachloro-m-xylene   | 93        |           | 30 - 124 | 06/28/21 07:45 | 06/29/21 16:26 | 1       |
| Tetrachloro-m-xylene   | 88        |           | 30 - 124 | 06/28/21 07:45 | 06/29/21 16:26 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| PCB-1016 | ND     |           | 0.25 | 0.049 | mg/Kg | ☼ | 06/26/21 11:52 | 06/28/21 03:13 | 1       |
| PCB-1221 | ND     |           | 0.25 | 0.049 | mg/Kg | ☼ | 06/26/21 11:52 | 06/28/21 03:13 | 1       |
| PCB-1232 | ND     |           | 0.25 | 0.049 | mg/Kg | ☼ | 06/26/21 11:52 | 06/28/21 03:13 | 1       |
| PCB-1242 | ND     |           | 0.25 | 0.049 | mg/Kg | ☼ | 06/26/21 11:52 | 06/28/21 03:13 | 1       |
| PCB-1248 | ND     |           | 0.25 | 0.049 | mg/Kg | ☼ | 06/26/21 11:52 | 06/28/21 03:13 | 1       |
| PCB-1254 | ND     |           | 0.25 | 0.12  | mg/Kg | ☼ | 06/26/21 11:52 | 06/28/21 03:13 | 1       |
| PCB-1260 | ND     |           | 0.25 | 0.12  | mg/Kg | ☼ | 06/26/21 11:52 | 06/28/21 03:13 | 1       |
| PCB-1262 | ND     |           | 0.25 | 0.12  | mg/Kg | ☼ | 06/26/21 11:52 | 06/28/21 03:13 | 1       |
| PCB-1268 | ND     |           | 0.25 | 0.12  | mg/Kg | ☼ | 06/26/21 11:52 | 06/28/21 03:13 | 1       |

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| Tetrachloro-m-xylene   | 154       |           | 60 - 154 | 06/26/21 11:52 | 06/28/21 03:13 | 1       |
| Tetrachloro-m-xylene   | 154       |           | 60 - 154 | 06/26/21 11:52 | 06/28/21 03:13 | 1       |
| DCB Decachlorobiphenyl | 141       |           | 65 - 174 | 06/26/21 11:52 | 06/28/21 03:13 | 1       |
| DCB Decachlorobiphenyl | 100       |           | 65 - 174 | 06/26/21 11:52 | 06/28/21 03:13 | 1       |

## Method: 6010C - Metals (ICP)

| Analyte   | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| Aluminum  | 11400  |           | 12.6 | 5.6   | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 00:27 | 1       |
| Antimony  | ND     |           | 19.0 | 0.51  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 00:27 | 1       |
| Arsenic   | 3.4    |           | 2.5  | 0.51  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 00:27 | 1       |
| Barium    | 61.6   | ^6+       | 0.63 | 0.14  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 00:27 | 1       |
| Beryllium | 0.49   |           | 0.25 | 0.035 | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 00:27 | 1       |
| Cadmium   | 0.38   |           | 0.25 | 0.038 | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 00:27 | 1       |
| Calcium   | 29000  | B         | 63.2 | 4.2   | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 00:27 | 1       |
| Chromium  | 16.9   |           | 0.63 | 0.25  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 00:27 | 1       |
| Cobalt    | 7.5    |           | 0.63 | 0.063 | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 00:27 | 1       |
| Copper    | 16.3   |           | 1.3  | 0.27  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 00:27 | 1       |
| Iron      | 16400  |           | 12.6 | 4.4   | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 00:27 | 1       |
| Lead      | 26.4   |           | 1.3  | 0.30  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 00:27 | 1       |
| Magnesium | 12900  | B         | 25.3 | 1.2   | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 00:27 | 1       |
| Manganese | 318    | B         | 0.25 | 0.040 | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 00:27 | 1       |
| Nickel    | 19.3   |           | 6.3  | 0.29  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 00:27 | 1       |
| Potassium | 2830   | B         | 37.9 | 25.3  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 00:27 | 1       |
| Selenium  | ND     |           | 5.1  | 0.51  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 00:27 | 1       |
| Silver    | ND     |           | 0.76 | 0.25  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 00:27 | 1       |
| Sodium    | 176    | J B       | 177  | 16.4  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 00:27 | 1       |
| Thallium  | ND     |           | 7.6  | 0.38  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 00:27 | 1       |
| Vanadium  | 27.2   |           | 0.63 | 0.14  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 00:27 | 1       |
| Zinc      | 74.8   |           | 2.5  | 0.81  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 00:27 | 1       |

## Method: 7471B - Mercury (CVAA)

| Analyte | Result | Qualifier | RL    | MDL    | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------|--------|-----------|-------|--------|-------|---|----------------|----------------|---------|
| Mercury | 0.18   |           | 0.021 | 0.0049 | mg/Kg | ☼ | 06/23/21 16:00 | 06/23/21 18:44 | 1       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

**Client Sample ID: SS-02-0002**

**Lab Sample ID: 480-186319-5**

**Date Collected: 06/21/21 09:50**

**Matrix: Solid**

**Date Received: 06/21/21 16:14**

**Percent Solids: 71.6**

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

| Analyte                       | Result | Qualifier | RL    | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|--------|-----------|-------|-------|-------|---|----------------|----------------|---------|
| 2,4,5-Trichlorophenol         | ND     |           | 1200  | 320   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 21:25 | 5       |
| 2,4,6-Trichlorophenol         | ND     |           | 1200  | 230   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 21:25 | 5       |
| 2,4-Dichlorophenol            | ND     |           | 1200  | 120   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 21:25 | 5       |
| 2,4-Dimethylphenol            | ND     |           | 1200  | 280   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 21:25 | 5       |
| 2,4-Dinitrophenol             | ND     |           | 11000 | 5400  | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 21:25 | 5       |
| 2,4-Dinitrotoluene            | ND     |           | 1200  | 240   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 21:25 | 5       |
| 2,6-Dinitrotoluene            | ND     |           | 1200  | 140   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 21:25 | 5       |
| 2-Chloronaphthalene           | ND     |           | 1200  | 190   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 21:25 | 5       |
| 2-Chlorophenol                | ND     |           | 2300  | 210   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 21:25 | 5       |
| 2-Methylnaphthalene           | ND     |           | 1200  | 230   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 21:25 | 5       |
| 2-Methylphenol                | ND     |           | 1200  | 140   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 21:25 | 5       |
| 2-Nitroaniline                | ND     |           | 2300  | 170   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 21:25 | 5       |
| 2-Nitrophenol                 | ND     |           | 1200  | 330   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 21:25 | 5       |
| 3,3'-Dichlorobenzidine        | ND     |           | 2300  | 1400  | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 21:25 | 5       |
| 3-Nitroaniline                | ND     |           | 2300  | 320   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 21:25 | 5       |
| 4,6-Dinitro-2-methylphenol    | ND     |           | 2300  | 1200  | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 21:25 | 5       |
| 4-Bromophenyl phenyl ether    | ND     |           | 1200  | 160   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 21:25 | 5       |
| 4-Chloro-3-methylphenol       | ND     |           | 1200  | 290   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 21:25 | 5       |
| 4-Chloroaniline               | ND     |           | 1200  | 290   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 21:25 | 5       |
| 4-Chlorophenyl phenyl ether   | ND     |           | 1200  | 140   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 21:25 | 5       |
| 4-Methylphenol                | ND     |           | 2300  | 140   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 21:25 | 5       |
| 4-Nitroaniline                | ND     |           | 2300  | 610   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 21:25 | 5       |
| 4-Nitrophenol                 | ND     |           | 2300  | 820   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 21:25 | 5       |
| Acenaphthene                  | ND     |           | 1200  | 170   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 21:25 | 5       |
| Acenaphthylene                | ND     |           | 1200  | 150   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 21:25 | 5       |
| Acetophenone                  | ND     |           | 1200  | 160   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 21:25 | 5       |
| Anthracene                    | ND     |           | 1200  | 290   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 21:25 | 5       |
| Atrazine                      | ND     |           | 1200  | 410   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 21:25 | 5       |
| Benzaldehyde                  | ND     |           | 1200  | 930   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 21:25 | 5       |
| Benzo(a)anthracene            | ND     |           | 1200  | 120   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 21:25 | 5       |
| Benzo(a)pyrene                | ND     |           | 1200  | 170   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 21:25 | 5       |
| Benzo(b)fluoranthene          | ND     |           | 1200  | 190   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 21:25 | 5       |
| Benzo(g,h,i)perylene          | ND     |           | 1200  | 120   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 21:25 | 5       |
| Benzo(k)fluoranthene          | ND     |           | 1200  | 150   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 21:25 | 5       |
| Benzoic acid                  | ND     |           | 33000 | 10000 | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 21:25 | 5       |
| Biphenyl                      | ND     |           | 1200  | 170   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 21:25 | 5       |
| bis (2-chloroisopropyl) ether | ND     |           | 1200  | 230   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 21:25 | 5       |
| Bis(2-chloroethoxy)methane    | ND     |           | 1200  | 250   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 21:25 | 5       |
| Bis(2-chloroethyl)ether       | ND     |           | 1200  | 150   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 21:25 | 5       |
| Bis(2-ethylhexyl) phthalate   | ND     |           | 1200  | 400   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 21:25 | 5       |
| Butyl benzyl phthalate        | ND     |           | 1200  | 190   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 21:25 | 5       |
| Caprolactam                   | ND     |           | 1200  | 350   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 21:25 | 5       |
| Carbazole                     | ND     |           | 1200  | 140   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 21:25 | 5       |
| Chrysene                      | ND     |           | 1200  | 260   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 21:25 | 5       |
| Dibenz(a,h)anthracene         | ND     |           | 1200  | 210   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 21:25 | 5       |
| Dibenzofuran                  | ND     |           | 1200  | 140   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 21:25 | 5       |
| Diethyl phthalate             | ND     |           | 1200  | 150   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 21:25 | 5       |
| Dimethyl phthalate            | ND     |           | 1200  | 140   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 21:25 | 5       |
| Di-n-butyl phthalate          | ND     |           | 1200  | 200   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 21:25 | 5       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

Client Sample ID: SS-02-0002

Lab Sample ID: 480-186319-5

Date Collected: 06/21/21 09:50

Matrix: Solid

Date Received: 06/21/21 16:14

Percent Solids: 71.6

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

| Analyte                   | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------------|--------|-----------|------|------|-------|---|----------------|----------------|---------|
| Di-n-octyl phthalate      | ND     |           | 1200 | 140  | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 21:25 | 5       |
| Fluoranthene              | ND     |           | 1200 | 120  | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 21:25 | 5       |
| Fluorene                  | ND     |           | 1200 | 140  | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 21:25 | 5       |
| Hexachlorobenzene         | ND     |           | 1200 | 160  | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 21:25 | 5       |
| Hexachlorobutadiene       | ND     |           | 1200 | 170  | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 21:25 | 5       |
| Hexachlorocyclopentadiene | ND     |           | 1200 | 160  | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 21:25 | 5       |
| Hexachloroethane          | ND     |           | 1200 | 150  | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 21:25 | 5       |
| Indeno(1,2,3-cd)pyrene    | ND     |           | 1200 | 140  | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 21:25 | 5       |
| Isophorone                | ND     |           | 1200 | 250  | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 21:25 | 5       |
| Naphthalene               | ND     |           | 1200 | 150  | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 21:25 | 5       |
| Nitrobenzene              | ND     |           | 1200 | 130  | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 21:25 | 5       |
| N-Nitrosodi-n-propylamine | ND     |           | 1200 | 200  | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 21:25 | 5       |
| N-Nitrosodiphenylamine    | ND     |           | 1200 | 950  | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 21:25 | 5       |
| Pentachlorophenol         | ND     |           | 2300 | 1200 | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 21:25 | 5       |
| Phenanthrene              | ND     |           | 1200 | 170  | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 21:25 | 5       |
| Phenol                    | ND     |           | 1200 | 180  | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 21:25 | 5       |
| Pyrene                    | ND     |           | 1200 | 140  | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 21:25 | 5       |

| Surrogate            | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 2,4,6-Tribromophenol | 89        |           | 54 - 120 | 06/28/21 15:04 | 06/30/21 21:25 | 5       |
| 2-Fluorobiphenyl     | 83        |           | 60 - 120 | 06/28/21 15:04 | 06/30/21 21:25 | 5       |
| 2-Fluorophenol       | 80        |           | 52 - 120 | 06/28/21 15:04 | 06/30/21 21:25 | 5       |
| Nitrobenzene-d5      | 83        |           | 53 - 120 | 06/28/21 15:04 | 06/30/21 21:25 | 5       |
| p-Terphenyl-d14      | 88        |           | 79 - 130 | 06/28/21 15:04 | 06/30/21 21:25 | 5       |
| Phenol-d5            | 76        |           | 54 - 120 | 06/28/21 15:04 | 06/30/21 21:25 | 5       |

## Method: 8081B - Organochlorine Pesticides (GC)

| Analyte             | Result    | Qualifier | RL  | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|-----------|-----------|-----|------|-------|---|----------------|----------------|---------|
| 4,4'-DDD            | ND        |           | 2.3 | 0.44 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 16:46 | 1       |
| 4,4'-DDE            | 5.6       | J         | 2.3 | 0.48 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 16:46 | 1       |
| 4,4'-DDT            | 2.3 1.7   | J-- UJ    | 2.3 | 0.53 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 16:46 | 1       |
| Aldrin              | ND        |           | 2.3 | 0.56 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 16:46 | 1       |
| alpha-BHC           | ND        |           | 2.3 | 0.41 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 16:46 | 1       |
| beta-BHC            | 0.49      | J-NJ      | 2.3 | 0.41 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 16:46 | 1       |
| cis-Chlordane       | ND        |           | 2.3 | 1.1  | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 16:46 | 1       |
| delta-BHC           | 2.3 -0.73 | J-B U     | 2.3 | 0.42 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 16:46 | 1       |
| Dieldrin            | ND        |           | 2.3 | 0.55 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 16:46 | 1       |
| Endosulfan I        | ND        |           | 2.3 | 0.44 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 16:46 | 1       |
| Endosulfan II       | 0.56      | J-J       | 2.3 | 0.41 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 16:46 | 1       |
| Endosulfan sulfate  | ND        |           | 2.3 | 0.42 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 16:46 | 1       |
| Endrin              | ND        |           | 2.3 | 0.45 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 16:46 | 1       |
| Endrin aldehyde     | 2.3 -1.1  | J-B U     | 2.3 | 0.58 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 16:46 | 1       |
| Endrin ketone       | ND        |           | 2.3 | 0.56 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 16:46 | 1       |
| gamma-BHC (Lindane) | 2.3 0.74  | J-B U     | 2.3 | 0.42 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 16:46 | 1       |
| Heptachlor          | ND        |           | 2.3 | 0.49 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 16:46 | 1       |
| Heptachlor epoxide  | ND        |           | 2.3 | 0.59 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 16:46 | 1       |
| Methoxychlor        | ND        | UJ        | 2.3 | 0.46 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 16:46 | 1       |
| Mirex               | ND        |           | 2.3 | 0.56 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 16:46 | 1       |
| Toxaphene           | ND        |           | 23  | 13   | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 16:46 | 1       |
| trans-Chlordane     | 1.2       | J-NJ      | 2.3 | 0.72 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 16:46 | 1       |

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ALH 9/23/21

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

**Client Sample ID: SS-02-0002**

**Lab Sample ID: 480-186319-5**

**Date Collected: 06/21/21 09:50**

**Matrix: Solid**

**Date Received: 06/21/21 16:14**

**Percent Solids: 71.6**

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| DCB Decachlorobiphenyl | 77        |           | 45 - 120 | 06/28/21 07:45 | 06/29/21 16:46 | 1       |
| DCB Decachlorobiphenyl | 88        |           | 45 - 120 | 06/28/21 07:45 | 06/29/21 16:46 | 1       |
| Tetrachloro-m-xylene   | 130       | S1+       | 30 - 124 | 06/28/21 07:45 | 06/29/21 16:46 | 1       |
| Tetrachloro-m-xylene   | 65        |           | 30 - 124 | 06/28/21 07:45 | 06/29/21 16:46 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| PCB-1016 | ND     |           | 0.27 | 0.052 | mg/Kg | ☼ | 06/26/21 11:52 | 06/28/21 03:26 | 1       |
| PCB-1221 | ND     |           | 0.27 | 0.052 | mg/Kg | ☼ | 06/26/21 11:52 | 06/28/21 03:26 | 1       |
| PCB-1232 | ND     |           | 0.27 | 0.052 | mg/Kg | ☼ | 06/26/21 11:52 | 06/28/21 03:26 | 1       |
| PCB-1242 | ND     |           | 0.27 | 0.052 | mg/Kg | ☼ | 06/26/21 11:52 | 06/28/21 03:26 | 1       |
| PCB-1248 | ND     |           | 0.27 | 0.052 | mg/Kg | ☼ | 06/26/21 11:52 | 06/28/21 03:26 | 1       |
| PCB-1254 | ND     |           | 0.27 | 0.12  | mg/Kg | ☼ | 06/26/21 11:52 | 06/28/21 03:26 | 1       |
| PCB-1260 | ND     |           | 0.27 | 0.12  | mg/Kg | ☼ | 06/26/21 11:52 | 06/28/21 03:26 | 1       |
| PCB-1262 | ND     |           | 0.27 | 0.12  | mg/Kg | ☼ | 06/26/21 11:52 | 06/28/21 03:26 | 1       |
| PCB-1268 | ND     |           | 0.27 | 0.12  | mg/Kg | ☼ | 06/26/21 11:52 | 06/28/21 03:26 | 1       |

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| Tetrachloro-m-xylene   | 135       |           | 60 - 154 | 06/26/21 11:52 | 06/28/21 03:26 | 1       |
| Tetrachloro-m-xylene   | 139       |           | 60 - 154 | 06/26/21 11:52 | 06/28/21 03:26 | 1       |
| DCB Decachlorobiphenyl | 127       |           | 65 - 174 | 06/26/21 11:52 | 06/28/21 03:26 | 1       |
| DCB Decachlorobiphenyl | 91        |           | 65 - 174 | 06/26/21 11:52 | 06/28/21 03:26 | 1       |

**Client Sample ID: SS-02-0212**

**Lab Sample ID: 480-186319-6**

**Date Collected: 06/21/21 09:55**

**Matrix: Solid**

**Date Received: 06/21/21 16:14**

**Percent Solids: 80.7**

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

| Analyte                     | Result | Qualifier | RL   | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|--------|-----------|------|-----|-------|---|----------------|----------------|---------|
| 2,4,5-Trichlorophenol       | ND     |           | 210  | 56  | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 21:49 | 1       |
| 2,4,6-Trichlorophenol       | ND     |           | 210  | 41  | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 21:49 | 1       |
| 2,4-Dichlorophenol          | ND     |           | 210  | 22  | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 21:49 | 1       |
| 2,4-Dimethylphenol          | ND     |           | 210  | 50  | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 21:49 | 1       |
| 2,4-Dinitrophenol           | ND     |           | 2000 | 950 | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 21:49 | 1       |
| 2,4-Dinitrotoluene          | ND     |           | 210  | 42  | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 21:49 | 1       |
| 2,6-Dinitrotoluene          | ND     |           | 210  | 24  | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 21:49 | 1       |
| 2-Chloronaphthalene         | ND     |           | 210  | 34  | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 21:49 | 1       |
| 2-Chlorophenol              | ND     |           | 400  | 37  | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 21:49 | 1       |
| 2-Methylnaphthalene         | ND     |           | 210  | 41  | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 21:49 | 1       |
| 2-Methylphenol              | ND     |           | 210  | 24  | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 21:49 | 1       |
| 2-Nitroaniline              | ND     |           | 400  | 30  | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 21:49 | 1       |
| 2-Nitrophenol               | ND     |           | 210  | 58  | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 21:49 | 1       |
| 3,3'-Dichlorobenzidine      | ND     |           | 400  | 240 | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 21:49 | 1       |
| 3-Nitroaniline              | ND     |           | 400  | 57  | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 21:49 | 1       |
| 4,6-Dinitro-2-methylphenol  | ND     |           | 400  | 210 | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 21:49 | 1       |
| 4-Bromophenyl phenyl ether  | ND     |           | 210  | 29  | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 21:49 | 1       |
| 4-Chloro-3-methylphenol     | ND     |           | 210  | 51  | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 21:49 | 1       |
| 4-Chloroaniline             | ND     |           | 210  | 51  | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 21:49 | 1       |
| 4-Chlorophenyl phenyl ether | ND     |           | 210  | 25  | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 21:49 | 1       |
| 4-Methylphenol              | ND     |           | 400  | 24  | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 21:49 | 1       |
| 4-Nitroaniline              | ND     |           | 400  | 110 | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 21:49 | 1       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

Client Sample ID: SS-02-0212

Lab Sample ID: 480-186319-6

Date Collected: 06/21/21 09:55

Matrix: Solid

Date Received: 06/21/21 16:14

Percent Solids: 80.7

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

| Analyte                       | Result | Qualifier      | RL   | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|--------|----------------|------|------|-------|---|----------------|----------------|---------|
| 4-Nitrophenol                 | ND     |                | 400  | 140  | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 21:49 | 1       |
| Acenaphthene                  | ND     |                | 210  | 30   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 21:49 | 1       |
| Acenaphthylene                | ND     |                | 210  | 27   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 21:49 | 1       |
| Acetophenone                  | ND     |                | 210  | 28   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 21:49 | 1       |
| Anthracene                    | ND     |                | 210  | 51   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 21:49 | 1       |
| Atrazine                      | ND     |                | 210  | 71   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 21:49 | 1       |
| Benzaldehyde                  | ND     |                | 210  | 160  | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 21:49 | 1       |
| Benzo(a)anthracene            | ND     |                | 210  | 21   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 21:49 | 1       |
| Benzo(a)pyrene                | ND     |                | 210  | 30   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 21:49 | 1       |
| Benzo(b)fluoranthene          | ND     |                | 210  | 33   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 21:49 | 1       |
| Benzo(g,h,i)perylene          | ND     |                | 210  | 22   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 21:49 | 1       |
| Benzo(k)fluoranthene          | ND     |                | 210  | 27   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 21:49 | 1       |
| Benzoic acid                  | ND     |                | 5800 | 1800 | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 21:49 | 1       |
| Biphenyl                      | ND     |                | 210  | 30   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 21:49 | 1       |
| bis (2-chloroisopropyl) ether | ND     |                | 210  | 41   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 21:49 | 1       |
| Bis(2-chloroethoxy)methane    | ND     |                | 210  | 43   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 21:49 | 1       |
| Bis(2-chloroethyl)ether       | ND     |                | 210  | 27   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 21:49 | 1       |
| Bis(2-ethylhexyl) phthalate   | ND     |                | 210  | 70   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 21:49 | 1       |
| Butyl benzyl phthalate        | ND     |                | 210  | 34   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 21:49 | 1       |
| Caprolactam                   | ND     |                | 210  | 62   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 21:49 | 1       |
| Carbazole                     | ND     |                | 210  | 24   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 21:49 | 1       |
| Chrysene                      | ND     |                | 210  | 46   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 21:49 | 1       |
| Dibenz(a,h)anthracene         | ND     |                | 210  | 36   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 21:49 | 1       |
| Dibenzofuran                  | ND     |                | 210  | 24   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 21:49 | 1       |
| Diethyl phthalate             | ND     |                | 210  | 27   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 21:49 | 1       |
| Dimethyl phthalate            | ND     |                | 210  | 24   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 21:49 | 1       |
| Di-n-butyl phthalate          | 210    | --140--J B-- U | 210  | 35   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 21:49 | 1       |
| Di-n-octyl phthalate          | ND     |                | 210  | 24   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 21:49 | 1       |
| Fluoranthene                  | ND     |                | 210  | 22   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 21:49 | 1       |
| Fluorene                      | ND     |                | 210  | 24   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 21:49 | 1       |
| Hexachlorobenzene             | ND     |                | 210  | 28   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 21:49 | 1       |
| Hexachlorobutadiene           | ND     |                | 210  | 30   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 21:49 | 1       |
| Hexachlorocyclopentadiene     | ND     |                | 210  | 28   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 21:49 | 1       |
| Hexachloroethane              | ND     |                | 210  | 27   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 21:49 | 1       |
| Indeno(1,2,3-cd)pyrene        | ND     |                | 210  | 25   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 21:49 | 1       |
| Isophorone                    | ND     |                | 210  | 43   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 21:49 | 1       |
| Naphthalene                   | ND     |                | 210  | 27   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 21:49 | 1       |
| Nitrobenzene                  | ND     |                | 210  | 23   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 21:49 | 1       |
| N-Nitrosodi-n-propylamine     | ND     |                | 210  | 35   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 21:49 | 1       |
| N-Nitrosodiphenylamine        | ND     |                | 210  | 170  | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 21:49 | 1       |
| Pentachlorophenol             | ND     |                | 400  | 210  | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 21:49 | 1       |
| Phenanthrene                  | ND     |                | 210  | 30   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 21:49 | 1       |
| Phenol                        | 42     | J              | 210  | 31   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 21:49 | 1       |
| Pyrene                        | ND     |                | 210  | 24   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 21:49 | 1       |

| Surrogate            | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 2,4,6-Tribromophenol | 86        |           | 54 - 120 | 06/28/21 15:04 | 06/30/21 21:49 | 1       |
| 2-Fluorobiphenyl     | 88        |           | 60 - 120 | 06/28/21 15:04 | 06/30/21 21:49 | 1       |
| 2-Fluorophenol       | 81        |           | 52 - 120 | 06/28/21 15:04 | 06/30/21 21:49 | 1       |
| Nitrobenzene-d5      | 86        |           | 53 - 120 | 06/28/21 15:04 | 06/30/21 21:49 | 1       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

Client Sample ID: SS-02-0212

Lab Sample ID: 480-186319-6

Date Collected: 06/21/21 09:55

Matrix: Solid

Date Received: 06/21/21 16:14

Percent Solids: 80.7

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

| Surrogate       | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------|-----------|-----------|----------|----------------|----------------|---------|
| p-Terphenyl-d14 | 91        |           | 79 - 130 | 06/28/21 15:04 | 06/30/21 21:49 | 1       |
| Phenol-d5       | 80        |           | 54 - 120 | 06/28/21 15:04 | 06/30/21 21:49 | 1       |

## Method: 8081B - Organochlorine Pesticides (GC)

| Analyte             | Result   | Qualifier | RL  | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|-----|------|-------|---|----------------|----------------|---------|
| 4,4'-DDD            | ND       |           | 2.1 | 0.40 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 17:05 | 1       |
| 4,4'-DDE            | 7.9      | J         | 2.1 | 0.43 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 17:05 | 1       |
| 4,4'-DDT            | 2.1 1.5  | J--- UJ   | 2.1 | 0.48 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 17:05 | 1       |
| Aldrin              | ND       |           | 2.1 | 0.51 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 17:05 | 1       |
| alpha-BHC           | ND       |           | 2.1 | 0.37 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 17:05 | 1       |
| beta-BHC            | 0.45     | J--- J    | 2.1 | 0.37 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 17:05 | 1       |
| cis-Chlordane       | ND       |           | 2.1 | 1.0  | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 17:05 | 1       |
| delta-BHC           | 2.1 0.72 | J-B U     | 2.1 | 0.38 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 17:05 | 1       |
| Dieldrin            | ND       |           | 2.1 | 0.49 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 17:05 | 1       |
| Endosulfan I        | ND       |           | 2.1 | 0.40 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 17:05 | 1       |
| Endosulfan II       | 0.42     | J--- J    | 2.1 | 0.37 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 17:05 | 1       |
| Endosulfan sulfate  | ND       |           | 2.1 | 0.38 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 17:05 | 1       |
| Endrin              | ND       |           | 2.1 | 0.41 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 17:05 | 1       |
| Endrin aldehyde     | 2.1 1.2  | J-B U     | 2.1 | 0.53 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 17:05 | 1       |
| Endrin ketone       | ND       |           | 2.1 | 0.51 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 17:05 | 1       |
| gamma-BHC (Lindane) | 2.1 0.81 | J-B U     | 2.1 | 0.38 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 17:05 | 1       |
| Heptachlor          | ND       |           | 2.1 | 0.45 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 17:05 | 1       |
| Heptachlor epoxide  | ND       |           | 2.1 | 0.53 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 17:05 | 1       |
| Methoxychlor        | ND       | UJ        | 2.1 | 0.42 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 17:05 | 1       |
| Mirex               | ND       |           | 2.1 | 0.50 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 17:05 | 1       |
| Toxaphene           | ND       |           | 21  | 12   | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 17:05 | 1       |
| trans-Chlordane     | 1.3      | J-NJ      | 2.1 | 0.65 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 17:05 | 1       |

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| DCB Decachlorobiphenyl | 90        |           | 45 - 120 | 06/28/21 07:45 | 06/29/21 17:05 | 1       |
| DCB Decachlorobiphenyl | 128       | S1+       | 45 - 120 | 06/28/21 07:45 | 06/29/21 17:05 | 1       |
| Tetrachloro-m-xylene   | 116       |           | 30 - 124 | 06/28/21 07:45 | 06/29/21 17:05 | 1       |
| Tetrachloro-m-xylene   | 93        |           | 30 - 124 | 06/28/21 07:45 | 06/29/21 17:05 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| PCB-1016 | ND     |           | 0.28 | 0.054 | mg/Kg | ☼ | 06/26/21 11:52 | 06/28/21 03:39 | 1       |
| PCB-1221 | ND     |           | 0.28 | 0.054 | mg/Kg | ☼ | 06/26/21 11:52 | 06/28/21 03:39 | 1       |
| PCB-1232 | ND     |           | 0.28 | 0.054 | mg/Kg | ☼ | 06/26/21 11:52 | 06/28/21 03:39 | 1       |
| PCB-1242 | ND     |           | 0.28 | 0.054 | mg/Kg | ☼ | 06/26/21 11:52 | 06/28/21 03:39 | 1       |
| PCB-1248 | ND     |           | 0.28 | 0.054 | mg/Kg | ☼ | 06/26/21 11:52 | 06/28/21 03:39 | 1       |
| PCB-1254 | ND     |           | 0.28 | 0.13  | mg/Kg | ☼ | 06/26/21 11:52 | 06/28/21 03:39 | 1       |
| PCB-1260 | ND     |           | 0.28 | 0.13  | mg/Kg | ☼ | 06/26/21 11:52 | 06/28/21 03:39 | 1       |
| PCB-1262 | ND     |           | 0.28 | 0.13  | mg/Kg | ☼ | 06/26/21 11:52 | 06/28/21 03:39 | 1       |
| PCB-1268 | ND     |           | 0.28 | 0.13  | mg/Kg | ☼ | 06/26/21 11:52 | 06/28/21 03:39 | 1       |

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| Tetrachloro-m-xylene   | 150       |           | 60 - 154 | 06/26/21 11:52 | 06/28/21 03:39 | 1       |
| Tetrachloro-m-xylene   | 153       |           | 60 - 154 | 06/26/21 11:52 | 06/28/21 03:39 | 1       |
| DCB Decachlorobiphenyl | 143       |           | 65 - 174 | 06/26/21 11:52 | 06/28/21 03:39 | 1       |

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ALH 9/23/21

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

**Client Sample ID: SS-02-0212**

**Lab Sample ID: 480-186319-6**

**Date Collected: 06/21/21 09:55**

**Matrix: Solid**

**Date Received: 06/21/21 16:14**

**Percent Solids: 80.7**

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

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| DCB Decachlorobiphenyl | 105       |           | 65 - 174 | 06/26/21 11:52 | 06/28/21 03:39 | 1       |

## Method: 6010C - Metals (ICP)

| Analyte   | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| Aluminum  | 12600  |           | 11.8 | 5.2   | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 00:31 | 1       |
| Antimony  | ND     |           | 17.7 | 0.47  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 00:31 | 1       |
| Arsenic   | 4.0    |           | 2.4  | 0.47  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 00:31 | 1       |
| Barium    | 79.2   | ^6+       | 0.59 | 0.13  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 00:31 | 1       |
| Beryllium | 0.59   |           | 0.24 | 0.033 | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 00:31 | 1       |
| Cadmium   | 0.22   | J         | 0.24 | 0.035 | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 00:31 | 1       |
| Calcium   | 45900  | B         | 59.1 | 3.9   | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 00:31 | 1       |
| Chromium  | 17.8   |           | 0.59 | 0.24  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 00:31 | 1       |
| Cobalt    | 9.5    |           | 0.59 | 0.059 | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 00:31 | 1       |
| Copper    | 17.1   |           | 1.2  | 0.25  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 00:31 | 1       |
| Iron      | 18300  |           | 11.8 | 4.1   | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 00:31 | 1       |
| Lead      | 12.0   |           | 1.2  | 0.28  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 00:31 | 1       |
| Magnesium | 15600  | B         | 23.7 | 1.1   | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 00:31 | 1       |
| Manganese | 443    | B         | 0.24 | 0.038 | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 00:31 | 1       |
| Nickel    | 22.4   |           | 5.9  | 0.27  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 00:31 | 1       |
| Potassium | 3650   | B         | 35.5 | 23.7  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 00:31 | 1       |
| Selenium  | ND     |           | 4.7  | 0.47  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 00:31 | 1       |
| Silver    | 0.29   | J         | 0.71 | 0.24  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 00:31 | 1       |
| Sodium    | 243    | B         | 166  | 15.4  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 00:31 | 1       |
| Thallium  | ND     |           | 7.1  | 0.35  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 00:31 | 1       |
| Vanadium  | 28.4   |           | 0.59 | 0.13  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 00:31 | 1       |
| Zinc      | 53.4   |           | 2.4  | 0.76  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 00:31 | 1       |

## Method: 7471B - Mercury (CVAA)

| Analyte | Result | Qualifier | RL    | MDL    | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------|--------|-----------|-------|--------|-------|---|----------------|----------------|---------|
| Mercury | 0.11   |           | 0.023 | 0.0053 | mg/Kg | ☼ | 06/23/21 16:00 | 06/23/21 18:47 | 1       |

**Client Sample ID: SS-03-0002**

**Lab Sample ID: 480-186319-7**

**Date Collected: 06/21/21 10:25**

**Matrix: Solid**

**Date Received: 06/21/21 16:14**

**Percent Solids: 72.3**

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

| Analyte               | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------|--------|-----------|------|------|-------|---|----------------|----------------|---------|
| 2,4,5-Trichlorophenol | ND     |           | 230  | 63   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 22:13 | 1       |
| 2,4,6-Trichlorophenol | ND     |           | 230  | 46   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 22:13 | 1       |
| 2,4-Dichlorophenol    | ND     |           | 230  | 25   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 22:13 | 1       |
| 2,4-Dimethylphenol    | ND     |           | 230  | 56   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 22:13 | 1       |
| 2,4-Dinitrophenol     | ND     |           | 2300 | 1100 | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 22:13 | 1       |
| 2,4-Dinitrotoluene    | ND     |           | 230  | 48   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 22:13 | 1       |
| 2,6-Dinitrotoluene    | ND     |           | 230  | 27   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 22:13 | 1       |
| 2-Chloronaphthalene   | ND     |           | 230  | 38   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 22:13 | 1       |
| 2-Chlorophenol        | ND     |           | 450  | 42   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 22:13 | 1       |
| 2-Methylnaphthalene   | ND     |           | 230  | 46   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 22:13 | 1       |
| 2-Methylphenol        | ND     |           | 230  | 27   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 22:13 | 1       |
| 2-Nitroaniline        | ND     |           | 450  | 34   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 22:13 | 1       |
| 2-Nitrophenol         | ND     |           | 230  | 65   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 22:13 | 1       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

Client Sample ID: SS-03-0002

Lab Sample ID: 480-186319-7

Date Collected: 06/21/21 10:25

Matrix: Solid

Date Received: 06/21/21 16:14

Percent Solids: 72.3

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

| Analyte                            | Result     | Qualifier           | RL   | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|------------------------------------|------------|---------------------|------|------|-------|---|----------------|----------------|---------|
| 3,3'-Dichlorobenzidine             | ND         |                     | 450  | 270  | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 22:13 | 1       |
| 3-Nitroaniline                     | ND         |                     | 450  | 64   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 22:13 | 1       |
| 4,6-Dinitro-2-methylphenol         | ND         |                     | 450  | 230  | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 22:13 | 1       |
| 4-Bromophenyl phenyl ether         | ND         |                     | 230  | 33   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 22:13 | 1       |
| 4-Chloro-3-methylphenol            | ND         |                     | 230  | 57   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 22:13 | 1       |
| 4-Chloroaniline                    | ND         |                     | 230  | 57   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 22:13 | 1       |
| 4-Chlorophenyl phenyl ether        | ND         |                     | 230  | 29   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 22:13 | 1       |
| 4-Methylphenol                     | ND         |                     | 450  | 27   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 22:13 | 1       |
| 4-Nitroaniline                     | ND         |                     | 450  | 120  | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 22:13 | 1       |
| 4-Nitrophenol                      | ND         |                     | 450  | 160  | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 22:13 | 1       |
| Acenaphthene                       | ND         |                     | 230  | 34   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 22:13 | 1       |
| Acenaphthylene                     | ND         |                     | 230  | 30   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 22:13 | 1       |
| Acetophenone                       | ND         |                     | 230  | 31   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 22:13 | 1       |
| Anthracene                         | ND         |                     | 230  | 57   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 22:13 | 1       |
| Atrazine                           | ND         |                     | 230  | 80   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 22:13 | 1       |
| Benzaldehyde                       | ND         |                     | 230  | 180  | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 22:13 | 1       |
| Benzo(a)anthracene                 | ND         |                     | 230  | 23   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 22:13 | 1       |
| Benzo(a)pyrene                     | ND         |                     | 230  | 34   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 22:13 | 1       |
| Benzo(b)fluoranthene               | ND         |                     | 230  | 37   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 22:13 | 1       |
| Benzo(g,h,i)perylene               | ND         |                     | 230  | 25   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 22:13 | 1       |
| Benzo(k)fluoranthene               | ND         |                     | 230  | 30   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 22:13 | 1       |
| Benzoic acid                       | ND         |                     | 6500 | 2000 | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 22:13 | 1       |
| Biphenyl                           | ND         |                     | 230  | 34   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 22:13 | 1       |
| bis (2-chloroisopropyl) ether      | ND         |                     | 230  | 46   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 22:13 | 1       |
| Bis(2-chloroethoxy)methane         | ND         |                     | 230  | 49   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 22:13 | 1       |
| Bis(2-chloroethyl)ether            | ND         |                     | 230  | 30   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 22:13 | 1       |
| <b>Bis(2-ethylhexyl) phthalate</b> | <b>220</b> | <b>J</b>            | 230  | 79   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 22:13 | 1       |
| Butyl benzyl phthalate             | ND         |                     | 230  | 38   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 22:13 | 1       |
| Caprolactam                        | ND         |                     | 230  | 69   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 22:13 | 1       |
| Carbazole                          | ND         |                     | 230  | 27   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 22:13 | 1       |
| Chrysene                           | ND         |                     | 230  | 52   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 22:13 | 1       |
| Dibenz(a,h)anthracene              | ND         |                     | 230  | 41   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 22:13 | 1       |
| Dibenzofuran                       | ND         |                     | 230  | 27   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 22:13 | 1       |
| Diethyl phthalate                  | ND         |                     | 230  | 30   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 22:13 | 1       |
| Dimethyl phthalate                 | ND         |                     | 230  | 27   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 22:13 | 1       |
| <b>Di-n-butyl phthalate</b>        | <b>230</b> | <b>-210-J-B-- U</b> | 230  | 40   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 22:13 | 1       |
| Di-n-octyl phthalate               | ND         |                     | 230  | 27   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 22:13 | 1       |
| Fluoranthene                       | ND         |                     | 230  | 25   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 22:13 | 1       |
| Fluorene                           | ND         |                     | 230  | 27   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 22:13 | 1       |
| Hexachlorobenzene                  | ND         |                     | 230  | 31   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 22:13 | 1       |
| Hexachlorobutadiene                | ND         |                     | 230  | 34   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 22:13 | 1       |
| Hexachlorocyclopentadiene          | ND         |                     | 230  | 31   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 22:13 | 1       |
| Hexachloroethane                   | ND         |                     | 230  | 30   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 22:13 | 1       |
| Indeno(1,2,3-cd)pyrene             | ND         |                     | 230  | 29   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 22:13 | 1       |
| Isophorone                         | ND         |                     | 230  | 49   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 22:13 | 1       |
| Naphthalene                        | ND         |                     | 230  | 30   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 22:13 | 1       |
| Nitrobenzene                       | ND         |                     | 230  | 26   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 22:13 | 1       |
| N-Nitrosodi-n-propylamine          | ND         |                     | 230  | 40   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 22:13 | 1       |
| N-Nitrosodiphenylamine             | ND         |                     | 230  | 190  | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 22:13 | 1       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

Client Sample ID: SS-03-0002

Lab Sample ID: 480-186319-7

Date Collected: 06/21/21 10:25

Matrix: Solid

Date Received: 06/21/21 16:14

Percent Solids: 72.3

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

| Analyte           | Result | Qualifier | RL  | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-------------------|--------|-----------|-----|-----|-------|---|----------------|----------------|---------|
| Pentachlorophenol | ND     |           | 450 | 230 | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 22:13 | 1       |
| Phenanthrene      | ND     |           | 230 | 34  | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 22:13 | 1       |
| Phenol            | ND     |           | 230 | 35  | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 22:13 | 1       |
| Pyrene            | ND     |           | 230 | 27  | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 22:13 | 1       |

| Surrogate            | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 2,4,6-Tribromophenol | 96        |           | 54 - 120 | 06/28/21 15:04 | 06/30/21 22:13 | 1       |
| 2-Fluorobiphenyl     | 93        |           | 60 - 120 | 06/28/21 15:04 | 06/30/21 22:13 | 1       |
| 2-Fluorophenol       | 85        |           | 52 - 120 | 06/28/21 15:04 | 06/30/21 22:13 | 1       |
| Nitrobenzene-d5      | 88        |           | 53 - 120 | 06/28/21 15:04 | 06/30/21 22:13 | 1       |
| p-Terphenyl-d14      | 102       |           | 79 - 130 | 06/28/21 15:04 | 06/30/21 22:13 | 1       |
| Phenol-d5            | 85        |           | 54 - 120 | 06/28/21 15:04 | 06/30/21 22:13 | 1       |

## Method: 8081B - Organochlorine Pesticides (GC)

| Analyte             | Result | Qualifier     | RL  | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|--------|---------------|-----|------|-------|---|----------------|----------------|---------|
| 4,4'-DDD            | 1.8    | J--J          | 2.3 | 0.44 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 17:25 | 1       |
| 4,4'-DDE            | 2.2    | J             | 2.3 | 0.48 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 17:25 | 1       |
| 4,4'-DDT            | 8.1    | J             | 2.3 | 0.53 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 17:25 | 1       |
| Aldrin              | ND     |               | 2.3 | 0.56 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 17:25 | 1       |
| alpha-BHC           | ND     |               | 2.3 | 0.41 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 17:25 | 1       |
| beta-BHC            | ND     |               | 2.3 | 0.41 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 17:25 | 1       |
| cis-Chlordane       | ND     |               | 2.3 | 1.1  | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 17:25 | 1       |
| delta-BHC           | 2.3    | --0.89 J-B--U | 2.3 | 0.42 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 17:25 | 1       |
| Dieldrin            | 3.5    |               | 2.3 | 0.54 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 17:25 | 1       |
| Endosulfan I        | ND     |               | 2.3 | 0.43 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 17:25 | 1       |
| Endosulfan II       | ND     |               | 2.3 | 0.41 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 17:25 | 1       |
| Endosulfan sulfate  | ND     |               | 2.3 | 0.42 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 17:25 | 1       |
| Endrin              | 1.3    | J             | 2.3 | 0.45 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 17:25 | 1       |
| Endrin aldehyde     | 2.3    | 1.7 J-B--U    | 2.3 | 0.58 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 17:25 | 1       |
| Endrin ketone       | ND     |               | 2.3 | 0.56 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 17:25 | 1       |
| gamma-BHC (Lindane) | 2.3    | 0.78 J-B--U   | 2.3 | 0.42 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 17:25 | 1       |
| Heptachlor          | ND     |               | 2.3 | 0.49 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 17:25 | 1       |
| Heptachlor epoxide  | ND     |               | 2.3 | 0.58 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 17:25 | 1       |
| Methoxychlor        | ND     | UJ            | 2.3 | 0.46 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 17:25 | 1       |
| Mirex               | ND     |               | 2.3 | 0.55 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 17:25 | 1       |
| Toxaphene           | ND     |               | 23  | 13   | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 17:25 | 1       |
| trans-Chlordane     | 1.4    | J--NJ         | 2.3 | 0.72 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 17:25 | 1       |

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| DCB Decachlorobiphenyl | 99        |           | 45 - 120 | 06/28/21 07:45 | 06/29/21 17:25 | 1       |
| DCB Decachlorobiphenyl | 113       |           | 45 - 120 | 06/28/21 07:45 | 06/29/21 17:25 | 1       |
| Tetrachloro-m-xylene   | 98        |           | 30 - 124 | 06/28/21 07:45 | 06/29/21 17:25 | 1       |
| Tetrachloro-m-xylene   | 74        |           | 30 - 124 | 06/28/21 07:45 | 06/29/21 17:25 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| PCB-1016 | ND     |           | 0.30 | 0.060 | mg/Kg | ☼ | 06/26/21 11:52 | 06/28/21 03:52 | 1       |
| PCB-1221 | ND     |           | 0.30 | 0.060 | mg/Kg | ☼ | 06/26/21 11:52 | 06/28/21 03:52 | 1       |
| PCB-1232 | ND     |           | 0.30 | 0.060 | mg/Kg | ☼ | 06/26/21 11:52 | 06/28/21 03:52 | 1       |
| PCB-1242 | ND     |           | 0.30 | 0.060 | mg/Kg | ☼ | 06/26/21 11:52 | 06/28/21 03:52 | 1       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

Client Sample ID: SS-03-0002

Lab Sample ID: 480-186319-7

Date Collected: 06/21/21 10:25

Matrix: Solid

Date Received: 06/21/21 16:14

Percent Solids: 72.3

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

| Analyte         | Result      | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------|-------------|-----------|------|-------|-------|---|----------------|----------------|---------|
| PCB-1248        | ND          |           | 0.30 | 0.060 | mg/Kg | ☼ | 06/26/21 11:52 | 06/28/21 03:52 | 1       |
| PCB-1254        | ND          |           | 0.30 | 0.14  | mg/Kg | ☼ | 06/26/21 11:52 | 06/28/21 03:52 | 1       |
| <b>PCB-1260</b> | <b>0.14</b> | <b>J</b>  | 0.30 | 0.14  | mg/Kg | ☼ | 06/26/21 11:52 | 06/28/21 03:52 | 1       |
| PCB-1262        | ND          |           | 0.30 | 0.14  | mg/Kg | ☼ | 06/26/21 11:52 | 06/28/21 03:52 | 1       |
| PCB-1268        | ND          |           | 0.30 | 0.14  | mg/Kg | ☼ | 06/26/21 11:52 | 06/28/21 03:52 | 1       |

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| Tetrachloro-m-xylene   | 149       |           | 60 - 154 | 06/26/21 11:52 | 06/28/21 03:52 | 1       |
| Tetrachloro-m-xylene   | 149       |           | 60 - 154 | 06/26/21 11:52 | 06/28/21 03:52 | 1       |
| DCB Decachlorobiphenyl | 137       |           | 65 - 174 | 06/26/21 11:52 | 06/28/21 03:52 | 1       |
| DCB Decachlorobiphenyl | 106       |           | 65 - 174 | 06/26/21 11:52 | 06/28/21 03:52 | 1       |

## Method: 6010C - Metals (ICP)

| Analyte          | Result       | Qualifier  | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|------------------|--------------|------------|------|-------|-------|---|----------------|----------------|---------|
| <b>Aluminum</b>  | <b>7380</b>  |            | 14.5 | 6.4   | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 00:35 | 1       |
| Antimony         | ND           |            | 21.7 | 0.58  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 00:35 | 1       |
| <b>Arsenic</b>   | <b>2.0</b>   | <b>J</b>   | 2.9  | 0.58  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 00:35 | 1       |
| <b>Barium</b>    | <b>52.3</b>  | <b>^6+</b> | 0.72 | 0.16  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 00:35 | 1       |
| <b>Beryllium</b> | <b>0.33</b>  |            | 0.29 | 0.041 | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 00:35 | 1       |
| <b>Cadmium</b>   | <b>0.86</b>  |            | 0.29 | 0.043 | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 00:35 | 1       |
| <b>Calcium</b>   | <b>33300</b> | <b>B</b>   | 72.4 | 4.8   | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 00:35 | 1       |
| <b>Chromium</b>  | <b>12.9</b>  |            | 0.72 | 0.29  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 00:35 | 1       |
| <b>Cobalt</b>    | <b>5.0</b>   |            | 0.72 | 0.072 | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 00:35 | 1       |
| <b>Copper</b>    | <b>20.4</b>  |            | 1.4  | 0.30  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 00:35 | 1       |
| <b>Iron</b>      | <b>12500</b> |            | 14.5 | 5.1   | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 00:35 | 1       |
| <b>Lead</b>      | <b>28.9</b>  |            | 1.4  | 0.35  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 00:35 | 1       |
| <b>Magnesium</b> | <b>12200</b> | <b>B</b>   | 29.0 | 1.3   | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 00:35 | 1       |
| <b>Manganese</b> | <b>303</b>   | <b>B</b>   | 0.29 | 0.046 | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 00:35 | 1       |
| <b>Nickel</b>    | <b>16.8</b>  |            | 7.2  | 0.33  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 00:35 | 1       |
| <b>Potassium</b> | <b>1650</b>  | <b>B</b>   | 43.4 | 29.0  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 00:35 | 1       |
| Selenium         | ND           |            | 5.8  | 0.58  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 00:35 | 1       |
| <b>Silver</b>    | <b>0.72</b>  | <b>J</b>   | 0.87 | 0.29  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 00:35 | 1       |
| <b>Sodium</b>    | <b>155</b>   | <b>J B</b> | 203  | 18.8  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 00:35 | 1       |
| Thallium         | ND           |            | 8.7  | 0.43  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 00:35 | 1       |
| <b>Vanadium</b>  | <b>19.9</b>  |            | 0.72 | 0.16  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 00:35 | 1       |
| <b>Zinc</b>      | <b>92.0</b>  |            | 2.9  | 0.93  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 00:35 | 1       |

## Method: 7471B - Mercury (CVAA)

| Analyte        | Result      | Qualifier | RL    | MDL    | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------------|-------------|-----------|-------|--------|-------|---|----------------|----------------|---------|
| <b>Mercury</b> | <b>0.17</b> |           | 0.023 | 0.0053 | mg/Kg | ☼ | 06/23/21 16:00 | 06/23/21 18:49 | 1       |

Client Sample ID: SS-03-0212

Lab Sample ID: 480-186319-8

Date Collected: 06/21/21 10:30

Matrix: Solid

Date Received: 06/21/21 16:14

Percent Solids: 83.9

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

| Analyte               | Result | Qualifier | RL  | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------|--------|-----------|-----|-----|-------|---|----------------|----------------|---------|
| 2,4,5-Trichlorophenol | ND     |           | 200 | 53  | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 22:36 | 1       |
| 2,4,6-Trichlorophenol | ND     |           | 200 | 39  | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 22:36 | 1       |
| 2,4-Dichlorophenol    | ND     |           | 200 | 21  | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 22:36 | 1       |
| 2,4-Dimethylphenol    | ND     |           | 200 | 48  | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 22:36 | 1       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

Client Sample ID: SS-03-0212

Lab Sample ID: 480-186319-8

Date Collected: 06/21/21 10:30

Matrix: Solid

Date Received: 06/21/21 16:14

Percent Solids: 83.9

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

| Analyte                            | Result       | Qualifier | RL   | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|------------------------------------|--------------|-----------|------|------|-------|---|----------------|----------------|---------|
| 2,4-Dinitrophenol                  | ND           |           | 1900 | 910  | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 22:36 | 1       |
| 2,4-Dinitrotoluene                 | ND           |           | 200  | 41   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 22:36 | 1       |
| 2,6-Dinitrotoluene                 | ND           |           | 200  | 23   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 22:36 | 1       |
| 2-Chloronaphthalene                | ND           |           | 200  | 33   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 22:36 | 1       |
| 2-Chlorophenol                     | ND           |           | 380  | 36   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 22:36 | 1       |
| 2-Methylnaphthalene                | ND           |           | 200  | 39   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 22:36 | 1       |
| 2-Methylphenol                     | ND           |           | 200  | 23   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 22:36 | 1       |
| 2-Nitroaniline                     | ND           |           | 380  | 29   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 22:36 | 1       |
| 2-Nitrophenol                      | ND           |           | 200  | 56   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 22:36 | 1       |
| 3,3'-Dichlorobenzidine             | ND           |           | 380  | 230  | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 22:36 | 1       |
| 3-Nitroaniline                     | ND           |           | 380  | 55   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 22:36 | 1       |
| 4,6-Dinitro-2-methylphenol         | ND           |           | 380  | 200  | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 22:36 | 1       |
| 4-Bromophenyl phenyl ether         | ND           |           | 200  | 28   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 22:36 | 1       |
| 4-Chloro-3-methylphenol            | ND           |           | 200  | 49   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 22:36 | 1       |
| 4-Chloroaniline                    | ND           |           | 200  | 49   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 22:36 | 1       |
| 4-Chlorophenyl phenyl ether        | ND           |           | 200  | 24   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 22:36 | 1       |
| 4-Methylphenol                     | ND           |           | 380  | 23   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 22:36 | 1       |
| 4-Nitroaniline                     | ND           |           | 380  | 100  | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 22:36 | 1       |
| 4-Nitrophenol                      | ND           |           | 380  | 140  | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 22:36 | 1       |
| Acenaphthene                       | ND           |           | 200  | 29   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 22:36 | 1       |
| Acenaphthylene                     | ND           |           | 200  | 26   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 22:36 | 1       |
| Acetophenone                       | ND           |           | 200  | 27   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 22:36 | 1       |
| Anthracene                         | ND           |           | 200  | 49   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 22:36 | 1       |
| Atrazine                           | ND           |           | 200  | 68   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 22:36 | 1       |
| Benzaldehyde                       | ND           |           | 200  | 160  | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 22:36 | 1       |
| Benzo(a)anthracene                 | ND           |           | 200  | 20   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 22:36 | 1       |
| Benzo(a)pyrene                     | ND           |           | 200  | 29   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 22:36 | 1       |
| Benzo(b)fluoranthene               | ND           |           | 200  | 31   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 22:36 | 1       |
| Benzo(g,h,i)perylene               | ND           |           | 200  | 21   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 22:36 | 1       |
| Benzo(k)fluoranthene               | ND           |           | 200  | 26   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 22:36 | 1       |
| Benzoic acid                       | ND           |           | 5600 | 1700 | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 22:36 | 1       |
| Biphenyl                           | ND           |           | 200  | 29   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 22:36 | 1       |
| bis (2-chloroisopropyl) ether      | ND           |           | 200  | 39   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 22:36 | 1       |
| Bis(2-chloroethoxy)methane         | ND           |           | 200  | 42   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 22:36 | 1       |
| Bis(2-chloroethyl)ether            | ND           |           | 200  | 26   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 22:36 | 1       |
| <b>Bis(2-ethylhexyl) phthalate</b> | <b>180 J</b> |           | 200  | 67   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 22:36 | 1       |
| Butyl benzyl phthalate             | ND           |           | 200  | 33   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 22:36 | 1       |
| Caprolactam                        | ND           |           | 200  | 59   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 22:36 | 1       |
| Carbazole                          | ND           |           | 200  | 23   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 22:36 | 1       |
| Chrysene                           | ND           |           | 200  | 44   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 22:36 | 1       |
| Dibenz(a,h)anthracene              | ND           |           | 200  | 35   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 22:36 | 1       |
| Dibenzofuran                       | ND           |           | 200  | 23   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 22:36 | 1       |
| Diethyl phthalate                  | ND           |           | 200  | 26   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 22:36 | 1       |
| Dimethyl phthalate                 | ND           |           | 200  | 23   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 22:36 | 1       |
| <b>Di-n-butyl phthalate</b>        | <b>320 B</b> |           | 200  | 34   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 22:36 | 1       |
| Di-n-octyl phthalate               | ND           |           | 200  | 23   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 22:36 | 1       |
| Fluoranthene                       | ND           |           | 200  | 21   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 22:36 | 1       |
| Fluorene                           | ND           |           | 200  | 23   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 22:36 | 1       |
| Hexachlorobenzene                  | ND           |           | 200  | 27   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 22:36 | 1       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

Client Sample ID: SS-03-0212

Lab Sample ID: 480-186319-8

Date Collected: 06/21/21 10:30

Matrix: Solid

Date Received: 06/21/21 16:14

Percent Solids: 83.9

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

| Analyte                   | Result | Qualifier | RL  | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------------|--------|-----------|-----|-----|-------|---|----------------|----------------|---------|
| Hexachlorobutadiene       | ND     |           | 200 | 29  | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 22:36 | 1       |
| Hexachlorocyclopentadiene | ND     |           | 200 | 27  | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 22:36 | 1       |
| Hexachloroethane          | ND     |           | 200 | 26  | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 22:36 | 1       |
| Indeno(1,2,3-cd)pyrene    | ND     |           | 200 | 24  | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 22:36 | 1       |
| Isophorone                | ND     |           | 200 | 42  | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 22:36 | 1       |
| Naphthalene               | ND     |           | 200 | 26  | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 22:36 | 1       |
| Nitrobenzene              | ND     |           | 200 | 22  | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 22:36 | 1       |
| N-Nitrosodi-n-propylamine | ND     |           | 200 | 34  | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 22:36 | 1       |
| N-Nitrosodiphenylamine    | ND     |           | 200 | 160 | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 22:36 | 1       |
| Pentachlorophenol         | ND     |           | 380 | 200 | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 22:36 | 1       |
| Phenanthrene              | ND     |           | 200 | 29  | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 22:36 | 1       |
| Phenol                    | ND     |           | 200 | 30  | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 22:36 | 1       |
| Pyrene                    | ND     |           | 200 | 23  | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 22:36 | 1       |

| Surrogate            | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 2,4,6-Tribromophenol | 95        |           | 54 - 120 | 06/28/21 15:04 | 06/30/21 22:36 | 1       |
| 2-Fluorobiphenyl     | 87        |           | 60 - 120 | 06/28/21 15:04 | 06/30/21 22:36 | 1       |
| 2-Fluorophenol       | 75        |           | 52 - 120 | 06/28/21 15:04 | 06/30/21 22:36 | 1       |
| Nitrobenzene-d5      | 79        |           | 53 - 120 | 06/28/21 15:04 | 06/30/21 22:36 | 1       |
| p-Terphenyl-d14      | 98        |           | 79 - 130 | 06/28/21 15:04 | 06/30/21 22:36 | 1       |
| Phenol-d5            | 75        |           | 54 - 120 | 06/28/21 15:04 | 06/30/21 22:36 | 1       |

## Method: 8081B - Organochlorine Pesticides (GC)

| Analyte             | Result | Qualifier  | RL  | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|--------|------------|-----|------|-------|---|----------------|----------------|---------|
| 4,4'-DDD            | 2.7    |            | 2.0 | 0.38 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 17:44 | 1       |
| 4,4'-DDE            | 1.9    | J          | 2.0 | 0.41 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 17:44 | 1       |
| 4,4'-DDT            | 5.9    | J          | 2.0 | 0.46 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 17:44 | 1       |
| Aldrin              | ND     |            | 2.0 | 0.48 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 17:44 | 1       |
| alpha-BHC           | 0.75   | J-J        | 2.0 | 0.35 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 17:44 | 1       |
| beta-BHC            | 0.48   | J-NJ       | 2.0 | 0.35 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 17:44 | 1       |
| cis-Chlordane       | ND     |            | 2.0 | 0.98 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 17:44 | 1       |
| delta-BHC           | ND     |            | 2.0 | 0.36 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 17:44 | 1       |
| Dieldrin            | 2.4    |            | 2.0 | 0.47 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 17:44 | 1       |
| Endosulfan I        | 0.45   | J          | 2.0 | 0.38 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 17:44 | 1       |
| Endosulfan II       | 0.44   | J-NJ       | 2.0 | 0.35 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 17:44 | 1       |
| Endosulfan sulfate  | 0.56   | J-J        | 2.0 | 0.37 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 17:44 | 1       |
| Endrin              | 1.1    | J          | 2.0 | 0.39 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 17:44 | 1       |
| Endrin aldehyde     | 2.0    | 1.7-J-B-U  | 2.0 | 0.50 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 17:44 | 1       |
| Endrin ketone       | ND     |            | 2.0 | 0.48 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 17:44 | 1       |
| gamma-BHC (Lindane) | 2.0    | 0.68-J-B-U | 2.0 | 0.36 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 17:44 | 1       |
| Heptachlor          | 0.66   | J-J        | 2.0 | 0.42 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 17:44 | 1       |
| Heptachlor epoxide  | 0.55   | J-NJ       | 2.0 | 0.51 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 17:44 | 1       |
| Methoxychlor        | ND     | UJ         | 2.0 | 0.40 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 17:44 | 1       |
| Mirex               | ND     |            | 2.0 | 0.48 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 17:44 | 1       |
| Toxaphene           | ND     |            | 20  | 11   | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 17:44 | 1       |
| trans-Chlordane     | 1.8    | J-NJ       | 2.0 | 0.62 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 17:44 | 1       |

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| DCB Decachlorobiphenyl | 85        |           | 45 - 120 | 06/28/21 07:45 | 06/29/21 17:44 | 1       |
| DCB Decachlorobiphenyl | 99        |           | 45 - 120 | 06/28/21 07:45 | 06/29/21 17:44 | 1       |

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ALH 9/23/21

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

**Client Sample ID: SS-03-0212**

**Lab Sample ID: 480-186319-8**

**Date Collected: 06/21/21 10:30**

**Matrix: Solid**

**Date Received: 06/21/21 16:14**

**Percent Solids: 83.9**

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

| Surrogate            | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------------|-----------|-----------|----------|----------------|----------------|---------|
| Tetrachloro-m-xylene | 79        |           | 30 - 124 | 06/28/21 07:45 | 06/29/21 17:44 | 1       |
| Tetrachloro-m-xylene | 38        |           | 30 - 124 | 06/28/21 07:45 | 06/29/21 17:44 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| PCB-1016 | ND     |           | 0.23 | 0.045 | mg/Kg | ☼ | 06/26/21 11:52 | 06/28/21 04:05 | 1       |
| PCB-1221 | ND     |           | 0.23 | 0.045 | mg/Kg | ☼ | 06/26/21 11:52 | 06/28/21 04:05 | 1       |
| PCB-1232 | ND     |           | 0.23 | 0.045 | mg/Kg | ☼ | 06/26/21 11:52 | 06/28/21 04:05 | 1       |
| PCB-1242 | ND     |           | 0.23 | 0.045 | mg/Kg | ☼ | 06/26/21 11:52 | 06/28/21 04:05 | 1       |
| PCB-1248 | ND     |           | 0.23 | 0.045 | mg/Kg | ☼ | 06/26/21 11:52 | 06/28/21 04:05 | 1       |
| PCB-1254 | ND     |           | 0.23 | 0.11  | mg/Kg | ☼ | 06/26/21 11:52 | 06/28/21 04:05 | 1       |
| PCB-1260 | ND     |           | 0.23 | 0.11  | mg/Kg | ☼ | 06/26/21 11:52 | 06/28/21 04:05 | 1       |
| PCB-1262 | ND     |           | 0.23 | 0.11  | mg/Kg | ☼ | 06/26/21 11:52 | 06/28/21 04:05 | 1       |
| PCB-1268 | ND     |           | 0.23 | 0.11  | mg/Kg | ☼ | 06/26/21 11:52 | 06/28/21 04:05 | 1       |

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| Tetrachloro-m-xylene   | 160       | S1+       | 60 - 154 | 06/26/21 11:52 | 06/28/21 04:05 | 1       |
| Tetrachloro-m-xylene   | 162       | S1+       | 60 - 154 | 06/26/21 11:52 | 06/28/21 04:05 | 1       |
| DCB Decachlorobiphenyl | 150       |           | 65 - 174 | 06/26/21 11:52 | 06/28/21 04:05 | 1       |
| DCB Decachlorobiphenyl | 103       |           | 65 - 174 | 06/26/21 11:52 | 06/28/21 04:05 | 1       |

## Method: 6010C - Metals (ICP)

| Analyte   | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| Aluminum  | 9330   |           | 12.4 | 5.5   | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 00:39 | 1       |
| Antimony  | ND     |           | 18.6 | 0.50  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 00:39 | 1       |
| Arsenic   | 2.3    | J         | 2.5  | 0.50  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 00:39 | 1       |
| Barium    | 58.6   | ^6+       | 0.62 | 0.14  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 00:39 | 1       |
| Beryllium | 0.41   |           | 0.25 | 0.035 | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 00:39 | 1       |
| Cadmium   | 0.45   |           | 0.25 | 0.037 | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 00:39 | 1       |
| Calcium   | 25600  | B         | 61.9 | 4.1   | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 00:39 | 1       |
| Chromium  | 13.6   |           | 0.62 | 0.25  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 00:39 | 1       |
| Cobalt    | 5.4    |           | 0.62 | 0.062 | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 00:39 | 1       |
| Copper    | 16.1   |           | 1.2  | 0.26  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 00:39 | 1       |
| Iron      | 13100  |           | 12.4 | 4.3   | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 00:39 | 1       |
| Lead      | 20.3   |           | 1.2  | 0.30  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 00:39 | 1       |
| Magnesium | 9940   | B         | 24.8 | 1.1   | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 00:39 | 1       |
| Manganese | 211    | B         | 0.25 | 0.040 | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 00:39 | 1       |
| Nickel    | 14.6   |           | 6.2  | 0.28  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 00:39 | 1       |
| Potassium | 1490   | B         | 37.2 | 24.8  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 00:39 | 1       |
| Selenium  | ND     |           | 5.0  | 0.50  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 00:39 | 1       |
| Silver    | 0.39   | J         | 0.74 | 0.25  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 00:39 | 1       |
| Sodium    | 142    | J B       | 173  | 16.1  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 00:39 | 1       |
| Thallium  | ND     |           | 7.4  | 0.37  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 00:39 | 1       |
| Vanadium  | 23.1   |           | 0.62 | 0.14  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 00:39 | 1       |
| Zinc      | 87.1   |           | 2.5  | 0.79  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 00:39 | 1       |

## Method: 7471B - Mercury (CVAA)

| Analyte | Result | Qualifier | RL    | MDL    | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------|--------|-----------|-------|--------|-------|---|----------------|----------------|---------|
| Mercury | 0.074  |           | 0.020 | 0.0046 | mg/Kg | ☼ | 06/23/21 16:00 | 06/23/21 18:50 | 1       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

Client Sample ID: SS-09-0002

Lab Sample ID: 480-186319-9

Date Collected: 06/21/21 09:10

Matrix: Solid

Date Received: 06/21/21 16:14

Percent Solids: 74.1

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

| Analyte                       | Result | Qualifier   | RL   | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|--------|-------------|------|------|-------|---|----------------|----------------|---------|
| 2,4,5-Trichlorophenol         | ND     |             | 220  | 60   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 23:00 | 1       |
| 2,4,6-Trichlorophenol         | ND     |             | 220  | 44   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 23:00 | 1       |
| 2,4-Dichlorophenol            | ND     |             | 220  | 24   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 23:00 | 1       |
| 2,4-Dimethylphenol            | ND     |             | 220  | 54   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 23:00 | 1       |
| 2,4-Dinitrophenol             | ND     |             | 2200 | 1000 | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 23:00 | 1       |
| 2,4-Dinitrotoluene            | ND     |             | 220  | 46   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 23:00 | 1       |
| 2,6-Dinitrotoluene            | ND     |             | 220  | 26   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 23:00 | 1       |
| 2-Chloronaphthalene           | ND     |             | 220  | 37   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 23:00 | 1       |
| 2-Chlorophenol                | ND     |             | 430  | 40   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 23:00 | 1       |
| 2-Methylnaphthalene           | ND     |             | 220  | 44   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 23:00 | 1       |
| 2-Methylphenol                | ND     |             | 220  | 26   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 23:00 | 1       |
| 2-Nitroaniline                | ND     |             | 430  | 33   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 23:00 | 1       |
| 2-Nitrophenol                 | ND     |             | 220  | 63   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 23:00 | 1       |
| 3,3'-Dichlorobenzidine        | ND     |             | 430  | 260  | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 23:00 | 1       |
| 3-Nitroaniline                | ND     |             | 430  | 61   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 23:00 | 1       |
| 4,6-Dinitro-2-methylphenol    | ND     |             | 430  | 220  | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 23:00 | 1       |
| 4-Bromophenyl phenyl ether    | ND     |             | 220  | 31   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 23:00 | 1       |
| 4-Chloro-3-methylphenol       | ND     |             | 220  | 55   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 23:00 | 1       |
| 4-Chloroaniline               | ND     |             | 220  | 55   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 23:00 | 1       |
| 4-Chlorophenyl phenyl ether   | ND     |             | 220  | 27   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 23:00 | 1       |
| 4-Methylphenol                | ND     |             | 430  | 26   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 23:00 | 1       |
| 4-Nitroaniline                | ND     |             | 430  | 120  | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 23:00 | 1       |
| 4-Nitrophenol                 | ND     |             | 430  | 160  | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 23:00 | 1       |
| Acenaphthene                  | ND     |             | 220  | 33   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 23:00 | 1       |
| Acenaphthylene                | ND     |             | 220  | 29   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 23:00 | 1       |
| Acetophenone                  | ND     |             | 220  | 30   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 23:00 | 1       |
| Anthracene                    | ND     |             | 220  | 55   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 23:00 | 1       |
| Atrazine                      | ND     |             | 220  | 77   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 23:00 | 1       |
| Benzaldehyde                  | ND     |             | 220  | 180  | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 23:00 | 1       |
| Benzo(a)anthracene            | ND     |             | 220  | 22   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 23:00 | 1       |
| Benzo(a)pyrene                | ND     |             | 220  | 33   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 23:00 | 1       |
| Benzo(b)fluoranthene          | ND     |             | 220  | 35   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 23:00 | 1       |
| Benzo(g,h,i)perylene          | ND     |             | 220  | 24   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 23:00 | 1       |
| Benzo(k)fluoranthene          | ND     |             | 220  | 29   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 23:00 | 1       |
| Benzoic acid                  | ND     |             | 6300 | 2000 | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 23:00 | 1       |
| Biphenyl                      | ND     |             | 220  | 33   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 23:00 | 1       |
| bis (2-chloroisopropyl) ether | ND     |             | 220  | 44   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 23:00 | 1       |
| Bis(2-chloroethoxy)methane    | ND     |             | 220  | 47   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 23:00 | 1       |
| Bis(2-chloroethyl)ether       | ND     |             | 220  | 29   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 23:00 | 1       |
| Bis(2-ethylhexyl) phthalate   | ND     |             | 220  | 76   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 23:00 | 1       |
| Butyl benzyl phthalate        | ND     |             | 220  | 37   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 23:00 | 1       |
| Caprolactam                   | ND     |             | 220  | 67   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 23:00 | 1       |
| Carbazole                     | ND     |             | 220  | 26   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 23:00 | 1       |
| Chrysene                      | ND     |             | 220  | 50   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 23:00 | 1       |
| Dibenz(a,h)anthracene         | ND     |             | 220  | 39   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 23:00 | 1       |
| Dibenzofuran                  | ND     |             | 220  | 26   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 23:00 | 1       |
| Diethyl phthalate             | ND     |             | 220  | 29   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 23:00 | 1       |
| Dimethyl phthalate            | ND     |             | 220  | 26   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 23:00 | 1       |
| Di-n-butyl phthalate          | 220    | --96--J-B-U | 220  | 38   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 23:00 | 1       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

Client Sample ID: SS-09-0002

Lab Sample ID: 480-186319-9

Date Collected: 06/21/21 09:10

Matrix: Solid

Date Received: 06/21/21 16:14

Percent Solids: 74.1

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

| Analyte                   | Result | Qualifier | RL  | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------------|--------|-----------|-----|-----|-------|---|----------------|----------------|---------|
| Di-n-octyl phthalate      | ND     |           | 220 | 26  | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 23:00 | 1       |
| Fluoranthene              | 41     | J         | 220 | 24  | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 23:00 | 1       |
| Fluorene                  | ND     |           | 220 | 26  | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 23:00 | 1       |
| Hexachlorobenzene         | ND     |           | 220 | 30  | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 23:00 | 1       |
| Hexachlorobutadiene       | ND     |           | 220 | 33  | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 23:00 | 1       |
| Hexachlorocyclopentadiene | ND     |           | 220 | 30  | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 23:00 | 1       |
| Hexachloroethane          | ND     |           | 220 | 29  | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 23:00 | 1       |
| Indeno(1,2,3-cd)pyrene    | ND     |           | 220 | 27  | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 23:00 | 1       |
| Isophorone                | ND     |           | 220 | 47  | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 23:00 | 1       |
| Naphthalene               | ND     |           | 220 | 29  | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 23:00 | 1       |
| Nitrobenzene              | ND     |           | 220 | 25  | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 23:00 | 1       |
| N-Nitrosodi-n-propylamine | ND     |           | 220 | 38  | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 23:00 | 1       |
| N-Nitrosodiphenylamine    | ND     |           | 220 | 180 | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 23:00 | 1       |
| Pentachlorophenol         | ND     |           | 430 | 220 | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 23:00 | 1       |
| Phenanthrene              | ND     |           | 220 | 33  | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 23:00 | 1       |
| Phenol                    | 55     | J         | 220 | 34  | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 23:00 | 1       |
| Pyrene                    | 33     | J         | 220 | 26  | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 23:00 | 1       |

| Surrogate            | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 2,4,6-Tribromophenol | 94        |           | 54 - 120 | 06/28/21 15:04 | 06/30/21 23:00 | 1       |
| 2-Fluorobiphenyl     | 90        |           | 60 - 120 | 06/28/21 15:04 | 06/30/21 23:00 | 1       |
| 2-Fluorophenol       | 80        |           | 52 - 120 | 06/28/21 15:04 | 06/30/21 23:00 | 1       |
| Nitrobenzene-d5      | 84        |           | 53 - 120 | 06/28/21 15:04 | 06/30/21 23:00 | 1       |
| p-Terphenyl-d14      | 98        |           | 79 - 130 | 06/28/21 15:04 | 06/30/21 23:00 | 1       |
| Phenol-d5            | 80        |           | 54 - 120 | 06/28/21 15:04 | 06/30/21 23:00 | 1       |

## Method: 8081B - Organochlorine Pesticides (GC)

| Analyte             | Result | Qualifier   | RL  | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|--------|-------------|-----|------|-------|---|----------------|----------------|---------|
| 4,4'-DDD            | 0.55   | J           | 2.2 | 0.44 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 18:04 | 1       |
| 4,4'-DDE            | 0.82   | J           | 2.2 | 0.47 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 18:04 | 1       |
| 4,4'-DDT            | 2.2    | 1.8--J-UJ   | 2.2 | 0.52 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 18:04 | 1       |
| Aldrin              | 0.74   | J-NJ        | 2.2 | 0.55 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 18:04 | 1       |
| alpha-BHC           | ND     |             | 2.2 | 0.40 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 18:04 | 1       |
| beta-BHC            | 1.7    | J-J         | 2.2 | 0.40 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 18:04 | 1       |
| cis-Chlordane       | ND     |             | 2.2 | 1.1  | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 18:04 | 1       |
| delta-BHC           | ND     |             | 2.2 | 0.42 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 18:04 | 1       |
| Dieldrin            | 6.4    |             | 2.2 | 0.54 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 18:04 | 1       |
| Endosulfan I        | ND     |             | 2.2 | 0.43 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 18:04 | 1       |
| Endosulfan II       | 0.64   | J-J         | 2.2 | 0.40 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 18:04 | 1       |
| Endosulfan sulfate  | ND     |             | 2.2 | 0.42 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 18:04 | 1       |
| Endrin              | ND     |             | 2.2 | 0.44 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 18:04 | 1       |
| Endrin aldehyde     | 2.2    | 1.7--J-B-U  | 2.2 | 0.57 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 18:04 | 1       |
| Endrin ketone       | ND     |             | 2.2 | 0.55 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 18:04 | 1       |
| gamma-BHC (Lindane) | 2.2    | 0.66--J-B-U | 2.2 | 0.41 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 18:04 | 1       |
| Heptachlor          | ND     |             | 2.2 | 0.49 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 18:04 | 1       |
| Heptachlor epoxide  | ND     |             | 2.2 | 0.58 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 18:04 | 1       |
| Methoxychlor        | 1.6    | J-J         | 2.2 | 0.46 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 18:04 | 1       |
| Mirex               | ND     |             | 2.2 | 0.55 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 18:04 | 1       |
| Toxaphene           | ND     |             | 22  | 13   | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 18:04 | 1       |
| trans-Chlordane     | ND     |             | 2.2 | 0.71 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 18:04 | 1       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

**Client Sample ID: SS-09-0002**

**Lab Sample ID: 480-186319-9**

**Date Collected: 06/21/21 09:10**

**Matrix: Solid**

**Date Received: 06/21/21 16:14**

**Percent Solids: 74.1**

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| DCB Decachlorobiphenyl | 99        |           | 45 - 120 | 06/28/21 07:45 | 06/29/21 18:04 | 1       |
| DCB Decachlorobiphenyl | 103       |           | 45 - 120 | 06/28/21 07:45 | 06/29/21 18:04 | 1       |
| Tetrachloro-m-xylene   | 111       |           | 30 - 124 | 06/28/21 07:45 | 06/29/21 18:04 | 1       |
| Tetrachloro-m-xylene   | 73        |           | 30 - 124 | 06/28/21 07:45 | 06/29/21 18:04 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| PCB-1016 | ND     |           | 0.26 | 0.050 | mg/Kg | ☼ | 06/26/21 11:52 | 06/28/21 04:18 | 1       |
| PCB-1221 | ND     |           | 0.26 | 0.050 | mg/Kg | ☼ | 06/26/21 11:52 | 06/28/21 04:18 | 1       |
| PCB-1232 | ND     |           | 0.26 | 0.050 | mg/Kg | ☼ | 06/26/21 11:52 | 06/28/21 04:18 | 1       |
| PCB-1242 | ND     |           | 0.26 | 0.050 | mg/Kg | ☼ | 06/26/21 11:52 | 06/28/21 04:18 | 1       |
| PCB-1248 | ND     |           | 0.26 | 0.050 | mg/Kg | ☼ | 06/26/21 11:52 | 06/28/21 04:18 | 1       |
| PCB-1254 | ND     |           | 0.26 | 0.12  | mg/Kg | ☼ | 06/26/21 11:52 | 06/28/21 04:18 | 1       |
| PCB-1260 | ND     |           | 0.26 | 0.12  | mg/Kg | ☼ | 06/26/21 11:52 | 06/28/21 04:18 | 1       |
| PCB-1262 | ND     |           | 0.26 | 0.12  | mg/Kg | ☼ | 06/26/21 11:52 | 06/28/21 04:18 | 1       |
| PCB-1268 | ND     |           | 0.26 | 0.12  | mg/Kg | ☼ | 06/26/21 11:52 | 06/28/21 04:18 | 1       |

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| Tetrachloro-m-xylene   | 157       | S1+       | 60 - 154 | 06/26/21 11:52 | 06/28/21 04:18 | 1       |
| Tetrachloro-m-xylene   | 157       | S1+       | 60 - 154 | 06/26/21 11:52 | 06/28/21 04:18 | 1       |
| DCB Decachlorobiphenyl | 149       |           | 65 - 174 | 06/26/21 11:52 | 06/28/21 04:18 | 1       |
| DCB Decachlorobiphenyl | 110       |           | 65 - 174 | 06/26/21 11:52 | 06/28/21 04:18 | 1       |

## Method: 6010C - Metals (ICP)

| Analyte   | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| Aluminum  | 16100  |           | 12.9 | 5.7   | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 00:43 | 1       |
| Antimony  | ND     |           | 19.3 | 0.52  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 00:43 | 1       |
| Arsenic   | 3.5    |           | 2.6  | 0.52  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 00:43 | 1       |
| Barium    | 96.5   | ^6+       | 0.64 | 0.14  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 00:43 | 1       |
| Beryllium | 0.73   |           | 0.26 | 0.036 | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 00:43 | 1       |
| Cadmium   | 0.37   |           | 0.26 | 0.039 | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 00:43 | 1       |
| Calcium   | 32600  | B         | 64.5 | 4.3   | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 00:43 | 1       |
| Chromium  | 22.2   |           | 0.64 | 0.26  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 00:43 | 1       |
| Cobalt    | 10.7   |           | 0.64 | 0.064 | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 00:43 | 1       |
| Copper    | 19.7   |           | 1.3  | 0.27  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 00:43 | 1       |
| Iron      | 19900  |           | 12.9 | 4.5   | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 00:43 | 1       |
| Lead      | 21.7   |           | 1.3  | 0.31  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 00:43 | 1       |
| Magnesium | 9970   | B         | 25.8 | 1.2   | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 00:43 | 1       |
| Manganese | 400    | B         | 0.26 | 0.041 | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 00:43 | 1       |
| Nickel    | 25.0   |           | 6.4  | 0.30  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 00:43 | 1       |
| Potassium | 4080   | B         | 38.7 | 25.8  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 00:43 | 1       |
| Selenium  | ND     |           | 5.2  | 0.52  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 00:43 | 1       |
| Silver    | 0.29   | J         | 0.77 | 0.26  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 00:43 | 1       |
| Sodium    | 197    | B         | 181  | 16.8  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 00:43 | 1       |
| Thallium  | ND     |           | 7.7  | 0.39  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 00:43 | 1       |
| Vanadium  | 34.3   |           | 0.64 | 0.14  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 00:43 | 1       |
| Zinc      | 136    |           | 2.6  | 0.83  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 00:43 | 1       |

## Method: 7471B - Mercury (CVAA)

| Analyte | Result | Qualifier | RL    | MDL    | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------|--------|-----------|-------|--------|-------|---|----------------|----------------|---------|
| Mercury | 0.040  |           | 0.035 | 0.0081 | mg/Kg | ☼ | 06/23/21 16:00 | 06/23/21 18:51 | 1       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

Client Sample ID: SS-09-0212

Lab Sample ID: 480-186319-10

Date Collected: 06/21/21 09:15

Matrix: Solid

Date Received: 06/21/21 16:14

Percent Solids: 82.5

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

| Analyte                       | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|--------|-----------|------|------|-------|---|----------------|----------------|---------|
| 2,4,5-Trichlorophenol         | ND     |           | 200  | 54   | ug/Kg | ☼ | 07/02/21 15:19 | 07/06/21 11:57 | 1       |
| 2,4,6-Trichlorophenol         | ND     |           | 200  | 40   | ug/Kg | ☼ | 07/02/21 15:19 | 07/06/21 11:57 | 1       |
| 2,4-Dichlorophenol            | ND     |           | 200  | 21   | ug/Kg | ☼ | 07/02/21 15:19 | 07/06/21 11:57 | 1       |
| 2,4-Dimethylphenol            | ND     |           | 200  | 48   | ug/Kg | ☼ | 07/02/21 15:19 | 07/06/21 11:57 | 1       |
| 2,4-Dinitrophenol             | ND     |           | 2000 | 930  | ug/Kg | ☼ | 07/02/21 15:19 | 07/06/21 11:57 | 1       |
| 2,4-Dinitrotoluene            | ND     |           | 200  | 41   | ug/Kg | ☼ | 07/02/21 15:19 | 07/06/21 11:57 | 1       |
| 2,6-Dinitrotoluene            | ND     |           | 200  | 24   | ug/Kg | ☼ | 07/02/21 15:19 | 07/06/21 11:57 | 1       |
| 2-Chloronaphthalene           | ND     |           | 200  | 33   | ug/Kg | ☼ | 07/02/21 15:19 | 07/06/21 11:57 | 1       |
| 2-Chlorophenol                | ND     |           | 390  | 37   | ug/Kg | ☼ | 07/02/21 15:19 | 07/06/21 11:57 | 1       |
| 2-Methylnaphthalene           | ND     |           | 200  | 40   | ug/Kg | ☼ | 07/02/21 15:19 | 07/06/21 11:57 | 1       |
| 2-Methylphenol                | ND     |           | 200  | 24   | ug/Kg | ☼ | 07/02/21 15:19 | 07/06/21 11:57 | 1       |
| 2-Nitroaniline                | ND     |           | 390  | 30   | ug/Kg | ☼ | 07/02/21 15:19 | 07/06/21 11:57 | 1       |
| 2-Nitrophenol                 | ND     |           | 200  | 57   | ug/Kg | ☼ | 07/02/21 15:19 | 07/06/21 11:57 | 1       |
| 3,3'-Dichlorobenzidine        | ND     |           | 390  | 240  | ug/Kg | ☼ | 07/02/21 15:19 | 07/06/21 11:57 | 1       |
| 3-Nitroaniline                | ND     |           | 390  | 55   | ug/Kg | ☼ | 07/02/21 15:19 | 07/06/21 11:57 | 1       |
| 4,6-Dinitro-2-methylphenol    | ND     |           | 390  | 200  | ug/Kg | ☼ | 07/02/21 15:19 | 07/06/21 11:57 | 1       |
| 4-Bromophenyl phenyl ether    | ND     |           | 200  | 28   | ug/Kg | ☼ | 07/02/21 15:19 | 07/06/21 11:57 | 1       |
| 4-Chloro-3-methylphenol       | ND     |           | 200  | 50   | ug/Kg | ☼ | 07/02/21 15:19 | 07/06/21 11:57 | 1       |
| 4-Chloroaniline               | ND     |           | 200  | 50   | ug/Kg | ☼ | 07/02/21 15:19 | 07/06/21 11:57 | 1       |
| 4-Chlorophenyl phenyl ether   | ND     |           | 200  | 25   | ug/Kg | ☼ | 07/02/21 15:19 | 07/06/21 11:57 | 1       |
| 4-Methylphenol                | ND     |           | 390  | 24   | ug/Kg | ☼ | 07/02/21 15:19 | 07/06/21 11:57 | 1       |
| 4-Nitroaniline                | ND     |           | 390  | 110  | ug/Kg | ☼ | 07/02/21 15:19 | 07/06/21 11:57 | 1       |
| 4-Nitrophenol                 | ND     |           | 390  | 140  | ug/Kg | ☼ | 07/02/21 15:19 | 07/06/21 11:57 | 1       |
| Acenaphthene                  | ND     |           | 200  | 30   | ug/Kg | ☼ | 07/02/21 15:19 | 07/06/21 11:57 | 1       |
| Acenaphthylene                | ND     |           | 200  | 26   | ug/Kg | ☼ | 07/02/21 15:19 | 07/06/21 11:57 | 1       |
| Acetophenone                  | ND     |           | 200  | 27   | ug/Kg | ☼ | 07/02/21 15:19 | 07/06/21 11:57 | 1       |
| Anthracene                    | ND     |           | 200  | 50   | ug/Kg | ☼ | 07/02/21 15:19 | 07/06/21 11:57 | 1       |
| Atrazine                      | ND     |           | 200  | 70   | ug/Kg | ☼ | 07/02/21 15:19 | 07/06/21 11:57 | 1       |
| Benzaldehyde                  | ND     |           | 200  | 160  | ug/Kg | ☼ | 07/02/21 15:19 | 07/06/21 11:57 | 1       |
| Benzo(a)anthracene            | 21     | J         | 200  | 20   | ug/Kg | ☼ | 07/02/21 15:19 | 07/06/21 11:57 | 1       |
| Benzo(a)pyrene                | ND     |           | 200  | 30   | ug/Kg | ☼ | 07/02/21 15:19 | 07/06/21 11:57 | 1       |
| Benzo(b)fluoranthene          | 32     | J         | 200  | 32   | ug/Kg | ☼ | 07/02/21 15:19 | 07/06/21 11:57 | 1       |
| Benzo(g,h,i)perylene          | ND     |           | 200  | 21   | ug/Kg | ☼ | 07/02/21 15:19 | 07/06/21 11:57 | 1       |
| Benzo(k)fluoranthene          | ND     |           | 200  | 26   | ug/Kg | ☼ | 07/02/21 15:19 | 07/06/21 11:57 | 1       |
| Benzoic acid                  | ND     |           | 5700 | 1800 | ug/Kg | ☼ | 07/02/21 15:19 | 07/06/21 11:57 | 1       |
| Biphenyl                      | ND     |           | 200  | 30   | ug/Kg | ☼ | 07/02/21 15:19 | 07/06/21 11:57 | 1       |
| bis (2-chloroisopropyl) ether | ND     | UJ        | 200  | 40   | ug/Kg | ☼ | 07/02/21 15:19 | 07/06/21 11:57 | 1       |
| Bis(2-chloroethoxy)methane    | ND     |           | 200  | 42   | ug/Kg | ☼ | 07/02/21 15:19 | 07/06/21 11:57 | 1       |
| Bis(2-chloroethyl)ether       | ND     |           | 200  | 26   | ug/Kg | ☼ | 07/02/21 15:19 | 07/06/21 11:57 | 1       |
| Bis(2-ethylhexyl) phthalate   | ND     |           | 200  | 68   | ug/Kg | ☼ | 07/02/21 15:19 | 07/06/21 11:57 | 1       |
| Butyl benzyl phthalate        | ND     |           | 200  | 33   | ug/Kg | ☼ | 07/02/21 15:19 | 07/06/21 11:57 | 1       |
| Caprolactam                   | ND     |           | 200  | 60   | ug/Kg | ☼ | 07/02/21 15:19 | 07/06/21 11:57 | 1       |
| Carbazole                     | ND     |           | 200  | 24   | ug/Kg | ☼ | 07/02/21 15:19 | 07/06/21 11:57 | 1       |
| Chrysene                      | ND     |           | 200  | 45   | ug/Kg | ☼ | 07/02/21 15:19 | 07/06/21 11:57 | 1       |
| Dibenz(a,h)anthracene         | ND     |           | 200  | 35   | ug/Kg | ☼ | 07/02/21 15:19 | 07/06/21 11:57 | 1       |
| Dibenzofuran                  | ND     |           | 200  | 24   | ug/Kg | ☼ | 07/02/21 15:19 | 07/06/21 11:57 | 1       |
| Diethyl phthalate             | ND     |           | 200  | 26   | ug/Kg | ☼ | 07/02/21 15:19 | 07/06/21 11:57 | 1       |
| Dimethyl phthalate            | ND     |           | 200  | 24   | ug/Kg | ☼ | 07/02/21 15:19 | 07/06/21 11:57 | 1       |
| Di-n-butyl phthalate          | ND     |           | 200  | 34   | ug/Kg | ☼ | 07/02/21 15:19 | 07/06/21 11:57 | 1       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

Client Sample ID: SS-09-0212

Lab Sample ID: 480-186319-10

Date Collected: 06/21/21 09:15

Matrix: Solid

Date Received: 06/21/21 16:14

Percent Solids: 82.5

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

| Analyte                   | Result | Qualifier | RL  | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------------|--------|-----------|-----|-----|-------|---|----------------|----------------|---------|
| Di-n-octyl phthalate      | ND     |           | 200 | 24  | ug/Kg | ☼ | 07/02/21 15:19 | 07/06/21 11:57 | 1       |
| Fluoranthene              | 44     | J         | 200 | 21  | ug/Kg | ☼ | 07/02/21 15:19 | 07/06/21 11:57 | 1       |
| Fluorene                  | ND     |           | 200 | 24  | ug/Kg | ☼ | 07/02/21 15:19 | 07/06/21 11:57 | 1       |
| Hexachlorobenzene         | ND     |           | 200 | 27  | ug/Kg | ☼ | 07/02/21 15:19 | 07/06/21 11:57 | 1       |
| Hexachlorobutadiene       | ND     |           | 200 | 30  | ug/Kg | ☼ | 07/02/21 15:19 | 07/06/21 11:57 | 1       |
| Hexachlorocyclopentadiene | ND     |           | 200 | 27  | ug/Kg | ☼ | 07/02/21 15:19 | 07/06/21 11:57 | 1       |
| Hexachloroethane          | ND     |           | 200 | 26  | ug/Kg | ☼ | 07/02/21 15:19 | 07/06/21 11:57 | 1       |
| Indeno(1,2,3-cd)pyrene    | ND     |           | 200 | 25  | ug/Kg | ☼ | 07/02/21 15:19 | 07/06/21 11:57 | 1       |
| Isophorone                | ND     |           | 200 | 42  | ug/Kg | ☼ | 07/02/21 15:19 | 07/06/21 11:57 | 1       |
| Naphthalene               | ND     |           | 200 | 26  | ug/Kg | ☼ | 07/02/21 15:19 | 07/06/21 11:57 | 1       |
| Nitrobenzene              | ND     |           | 200 | 22  | ug/Kg | ☼ | 07/02/21 15:19 | 07/06/21 11:57 | 1       |
| N-Nitrosodi-n-propylamine | ND     |           | 200 | 34  | ug/Kg | ☼ | 07/02/21 15:19 | 07/06/21 11:57 | 1       |
| N-Nitrosodiphenylamine    | ND     |           | 200 | 160 | ug/Kg | ☼ | 07/02/21 15:19 | 07/06/21 11:57 | 1       |
| Pentachlorophenol         | ND     |           | 390 | 200 | ug/Kg | ☼ | 07/02/21 15:19 | 07/06/21 11:57 | 1       |
| Phenanthrene              | ND     |           | 200 | 30  | ug/Kg | ☼ | 07/02/21 15:19 | 07/06/21 11:57 | 1       |
| Phenol                    | ND     |           | 200 | 31  | ug/Kg | ☼ | 07/02/21 15:19 | 07/06/21 11:57 | 1       |
| Pyrene                    | 42     | J         | 200 | 24  | ug/Kg | ☼ | 07/02/21 15:19 | 07/06/21 11:57 | 1       |

| Surrogate            | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 2,4,6-Tribromophenol | 91        |           | 54 - 120 | 07/02/21 15:19 | 07/06/21 11:57 | 1       |
| 2-Fluorobiphenyl     | 92        |           | 60 - 120 | 07/02/21 15:19 | 07/06/21 11:57 | 1       |
| 2-Fluorophenol       | 80        |           | 52 - 120 | 07/02/21 15:19 | 07/06/21 11:57 | 1       |
| Nitrobenzene-d5      | 82        |           | 53 - 120 | 07/02/21 15:19 | 07/06/21 11:57 | 1       |
| p-Terphenyl-d14      | 103       |           | 79 - 130 | 07/02/21 15:19 | 07/06/21 11:57 | 1       |
| Phenol-d5            | 78        |           | 54 - 120 | 07/02/21 15:19 | 07/06/21 11:57 | 1       |

## Method: 8081B - Organochlorine Pesticides (GC)

| Analyte             | Result | Qualifier  | RL  | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|--------|------------|-----|------|-------|---|----------------|----------------|---------|
| 4,4'-DDD            | 0.45   | J          | 2.0 | 0.39 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 18:23 | 1       |
| 4,4'-DDE            | 0.69   | J          | 2.0 | 0.42 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 18:23 | 1       |
| 4,4'-DDT            | 2.0    | 1.5 J U    | 2.0 | 0.47 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 18:23 | 1       |
| Aldrin              | ND     |            | 2.0 | 0.49 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 18:23 | 1       |
| alpha-BHC           | ND     |            | 2.0 | 0.36 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 18:23 | 1       |
| beta-BHC            | ND     |            | 2.0 | 0.36 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 18:23 | 1       |
| cis-Chlordane       | ND     |            | 2.0 | 1.0  | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 18:23 | 1       |
| delta-BHC           | 2.0    | 0.56 J-B U | 2.0 | 0.37 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 18:23 | 1       |
| Dieldrin            | ND     |            | 2.0 | 0.48 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 18:23 | 1       |
| Endosulfan I        | ND     |            | 2.0 | 0.38 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 18:23 | 1       |
| Endosulfan II       | ND     |            | 2.0 | 0.36 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 18:23 | 1       |
| Endosulfan sulfate  | ND     |            | 2.0 | 0.37 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 18:23 | 1       |
| Endrin              | ND     |            | 2.0 | 0.40 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 18:23 | 1       |
| Endrin aldehyde     | 2.0    | 1.3 J-B U  | 2.0 | 0.51 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 18:23 | 1       |
| Endrin ketone       | ND     |            | 2.0 | 0.49 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 18:23 | 1       |
| gamma-BHC (Lindane) | 2.0    | 0.60 J-B U | 2.0 | 0.37 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 18:23 | 1       |
| Heptachlor          | 0.79   | J          | 2.0 | 0.43 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 18:23 | 1       |
| Heptachlor epoxide  | ND     |            | 2.0 | 0.52 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 18:23 | 1       |
| Methoxychlor        | 1.5    | J J        | 2.0 | 0.41 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 18:23 | 1       |
| Mirex               | ND     |            | 2.0 | 0.49 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 18:23 | 1       |
| Toxaphene           | ND     |            | 20  | 12   | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 18:23 | 1       |
| trans-Chlordane     | 6.1    |            | 2.0 | 0.64 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 18:23 | 1       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

**Client Sample ID: SS-09-0212**

**Lab Sample ID: 480-186319-10**

**Date Collected: 06/21/21 09:15**

**Matrix: Solid**

**Date Received: 06/21/21 16:14**

**Percent Solids: 82.5**

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| DCB Decachlorobiphenyl | 96        |           | 45 - 120 | 06/28/21 07:45 | 06/29/21 18:23 | 1       |
| DCB Decachlorobiphenyl | 101       |           | 45 - 120 | 06/28/21 07:45 | 06/29/21 18:23 | 1       |
| Tetrachloro-m-xylene   | 92        |           | 30 - 124 | 06/28/21 07:45 | 06/29/21 18:23 | 1       |
| Tetrachloro-m-xylene   | 69        |           | 30 - 124 | 06/28/21 07:45 | 06/29/21 18:23 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| PCB-1016 | ND     |           | 0.24 | 0.047 | mg/Kg | ☼ | 06/26/21 11:52 | 06/28/21 04:30 | 1       |
| PCB-1221 | ND     |           | 0.24 | 0.047 | mg/Kg | ☼ | 06/26/21 11:52 | 06/28/21 04:30 | 1       |
| PCB-1232 | ND     |           | 0.24 | 0.047 | mg/Kg | ☼ | 06/26/21 11:52 | 06/28/21 04:30 | 1       |
| PCB-1242 | ND     |           | 0.24 | 0.047 | mg/Kg | ☼ | 06/26/21 11:52 | 06/28/21 04:30 | 1       |
| PCB-1248 | ND     |           | 0.24 | 0.047 | mg/Kg | ☼ | 06/26/21 11:52 | 06/28/21 04:30 | 1       |
| PCB-1254 | ND     |           | 0.24 | 0.11  | mg/Kg | ☼ | 06/26/21 11:52 | 06/28/21 04:30 | 1       |
| PCB-1260 | ND     |           | 0.24 | 0.11  | mg/Kg | ☼ | 06/26/21 11:52 | 06/28/21 04:30 | 1       |
| PCB-1262 | ND     |           | 0.24 | 0.11  | mg/Kg | ☼ | 06/26/21 11:52 | 06/28/21 04:30 | 1       |
| PCB-1268 | ND     |           | 0.24 | 0.11  | mg/Kg | ☼ | 06/26/21 11:52 | 06/28/21 04:30 | 1       |

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| Tetrachloro-m-xylene   | 165       | S1+       | 60 - 154 | 06/26/21 11:52 | 06/28/21 04:30 | 1       |
| Tetrachloro-m-xylene   | 164       | S1+       | 60 - 154 | 06/26/21 11:52 | 06/28/21 04:30 | 1       |
| DCB Decachlorobiphenyl | 151       |           | 65 - 174 | 06/26/21 11:52 | 06/28/21 04:30 | 1       |
| DCB Decachlorobiphenyl | 107       |           | 65 - 174 | 06/26/21 11:52 | 06/28/21 04:30 | 1       |

## Method: 6010C - Metals (ICP)

| Analyte   | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| Aluminum  | 15700  |           | 12.8 | 5.6   | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 00:47 | 1       |
| Antimony  | ND     |           | 19.2 | 0.51  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 00:47 | 1       |
| Arsenic   | 3.2    |           | 2.6  | 0.51  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 00:47 | 1       |
| Barium    | 89.0   | ^6+       | 0.64 | 0.14  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 00:47 | 1       |
| Beryllium | 0.68   |           | 0.26 | 0.036 | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 00:47 | 1       |
| Cadmium   | 0.24   | J         | 0.26 | 0.038 | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 00:47 | 1       |
| Calcium   | 37100  | B         | 64.1 | 4.2   | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 00:47 | 1       |
| Chromium  | 20.6   |           | 0.64 | 0.26  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 00:47 | 1       |
| Cobalt    | 9.3    |           | 0.64 | 0.064 | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 00:47 | 1       |
| Copper    | 20.1   |           | 1.3  | 0.27  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 00:47 | 1       |
| Iron      | 19500  |           | 12.8 | 4.5   | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 00:47 | 1       |
| Lead      | 31.2   |           | 1.3  | 0.31  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 00:47 | 1       |
| Magnesium | 10900  | B         | 25.6 | 1.2   | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 00:47 | 1       |
| Manganese | 389    | B         | 0.26 | 0.041 | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 00:47 | 1       |
| Nickel    | 22.6   |           | 6.4  | 0.29  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 00:47 | 1       |
| Potassium | 3500   | B         | 38.4 | 25.6  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 00:47 | 1       |
| Selenium  | ND     |           | 5.1  | 0.51  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 00:47 | 1       |
| Silver    | ND     |           | 0.77 | 0.26  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 00:47 | 1       |
| Sodium    | 190    | B         | 179  | 16.7  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 00:47 | 1       |
| Thallium  | ND     |           | 7.7  | 0.38  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 00:47 | 1       |
| Vanadium  | 33.0   |           | 0.64 | 0.14  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 00:47 | 1       |
| Zinc      | 65.0   |           | 2.6  | 0.82  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 00:47 | 1       |

## Method: 7471B - Mercury (CVAA)

| Analyte | Result | Qualifier | RL    | MDL    | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------|--------|-----------|-------|--------|-------|---|----------------|----------------|---------|
| Mercury | 0.028  |           | 0.023 | 0.0053 | mg/Kg | ☼ | 06/23/21 16:00 | 06/23/21 18:53 | 1       |

Eurofins TestAmerica, Buffalo

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

**Client Sample ID: SS-10-0002**

**Lab Sample ID: 480-186319-11**

**Date Collected: 06/21/21 10:55**

**Matrix: Solid**

**Date Received: 06/21/21 16:14**

**Percent Solids: 68.0**

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

| Analyte                       | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|--------|-----------|------|------|-------|---|----------------|----------------|---------|
| 2,4,5-Trichlorophenol         | ND     |           | 250  | 66   | ug/Kg | ☼ | 07/02/21 15:19 | 07/06/21 12:21 | 1       |
| 2,4,6-Trichlorophenol         | ND     |           | 250  | 49   | ug/Kg | ☼ | 07/02/21 15:19 | 07/06/21 12:21 | 1       |
| 2,4-Dichlorophenol            | ND     |           | 250  | 26   | ug/Kg | ☼ | 07/02/21 15:19 | 07/06/21 12:21 | 1       |
| 2,4-Dimethylphenol            | ND     |           | 250  | 59   | ug/Kg | ☼ | 07/02/21 15:19 | 07/06/21 12:21 | 1       |
| 2,4-Dinitrophenol             | ND     |           | 2400 | 1100 | ug/Kg | ☼ | 07/02/21 15:19 | 07/06/21 12:21 | 1       |
| 2,4-Dinitrotoluene            | ND     |           | 250  | 50   | ug/Kg | ☼ | 07/02/21 15:19 | 07/06/21 12:21 | 1       |
| 2,6-Dinitrotoluene            | ND     |           | 250  | 29   | ug/Kg | ☼ | 07/02/21 15:19 | 07/06/21 12:21 | 1       |
| 2-Chloronaphthalene           | ND     |           | 250  | 40   | ug/Kg | ☼ | 07/02/21 15:19 | 07/06/21 12:21 | 1       |
| 2-Chlorophenol                | ND     |           | 480  | 45   | ug/Kg | ☼ | 07/02/21 15:19 | 07/06/21 12:21 | 1       |
| 2-Methylnaphthalene           | ND     |           | 250  | 49   | ug/Kg | ☼ | 07/02/21 15:19 | 07/06/21 12:21 | 1       |
| 2-Methylphenol                | ND     |           | 250  | 29   | ug/Kg | ☼ | 07/02/21 15:19 | 07/06/21 12:21 | 1       |
| 2-Nitroaniline                | ND     |           | 480  | 36   | ug/Kg | ☼ | 07/02/21 15:19 | 07/06/21 12:21 | 1       |
| 2-Nitrophenol                 | ND     |           | 250  | 69   | ug/Kg | ☼ | 07/02/21 15:19 | 07/06/21 12:21 | 1       |
| 3,3'-Dichlorobenzidine        | ND     |           | 480  | 290  | ug/Kg | ☼ | 07/02/21 15:19 | 07/06/21 12:21 | 1       |
| 3-Nitroaniline                | ND     |           | 480  | 68   | ug/Kg | ☼ | 07/02/21 15:19 | 07/06/21 12:21 | 1       |
| 4,6-Dinitro-2-methylphenol    | ND     |           | 480  | 250  | ug/Kg | ☼ | 07/02/21 15:19 | 07/06/21 12:21 | 1       |
| 4-Bromophenyl phenyl ether    | ND     |           | 250  | 35   | ug/Kg | ☼ | 07/02/21 15:19 | 07/06/21 12:21 | 1       |
| 4-Chloro-3-methylphenol       | ND     |           | 250  | 61   | ug/Kg | ☼ | 07/02/21 15:19 | 07/06/21 12:21 | 1       |
| 4-Chloroaniline               | ND     |           | 250  | 61   | ug/Kg | ☼ | 07/02/21 15:19 | 07/06/21 12:21 | 1       |
| 4-Chlorophenyl phenyl ether   | ND     |           | 250  | 30   | ug/Kg | ☼ | 07/02/21 15:19 | 07/06/21 12:21 | 1       |
| 4-Methylphenol                | ND     |           | 480  | 29   | ug/Kg | ☼ | 07/02/21 15:19 | 07/06/21 12:21 | 1       |
| 4-Nitroaniline                | ND     |           | 480  | 130  | ug/Kg | ☼ | 07/02/21 15:19 | 07/06/21 12:21 | 1       |
| 4-Nitrophenol                 | ND     |           | 480  | 170  | ug/Kg | ☼ | 07/02/21 15:19 | 07/06/21 12:21 | 1       |
| Acenaphthene                  | ND     |           | 250  | 36   | ug/Kg | ☼ | 07/02/21 15:19 | 07/06/21 12:21 | 1       |
| Acenaphthylene                | ND     |           | 250  | 32   | ug/Kg | ☼ | 07/02/21 15:19 | 07/06/21 12:21 | 1       |
| Acetophenone                  | ND     |           | 250  | 33   | ug/Kg | ☼ | 07/02/21 15:19 | 07/06/21 12:21 | 1       |
| Anthracene                    | ND     |           | 250  | 61   | ug/Kg | ☼ | 07/02/21 15:19 | 07/06/21 12:21 | 1       |
| Atrazine                      | ND     |           | 250  | 85   | ug/Kg | ☼ | 07/02/21 15:19 | 07/06/21 12:21 | 1       |
| Benzaldehyde                  | ND     |           | 250  | 190  | ug/Kg | ☼ | 07/02/21 15:19 | 07/06/21 12:21 | 1       |
| Benzo(a)anthracene            | ND     |           | 250  | 25   | ug/Kg | ☼ | 07/02/21 15:19 | 07/06/21 12:21 | 1       |
| Benzo(a)pyrene                | ND     |           | 250  | 36   | ug/Kg | ☼ | 07/02/21 15:19 | 07/06/21 12:21 | 1       |
| Benzo(b)fluoranthene          | ND     |           | 250  | 39   | ug/Kg | ☼ | 07/02/21 15:19 | 07/06/21 12:21 | 1       |
| Benzo(g,h,i)perylene          | ND     |           | 250  | 26   | ug/Kg | ☼ | 07/02/21 15:19 | 07/06/21 12:21 | 1       |
| Benzo(k)fluoranthene          | ND     |           | 250  | 32   | ug/Kg | ☼ | 07/02/21 15:19 | 07/06/21 12:21 | 1       |
| Benzoic acid                  | ND     |           | 6900 | 2200 | ug/Kg | ☼ | 07/02/21 15:19 | 07/06/21 12:21 | 1       |
| Biphenyl                      | ND     |           | 250  | 36   | ug/Kg | ☼ | 07/02/21 15:19 | 07/06/21 12:21 | 1       |
| bis (2-chloroisopropyl) ether | ND     | UJ        | 250  | 49   | ug/Kg | ☼ | 07/02/21 15:19 | 07/06/21 12:21 | 1       |
| Bis(2-chloroethoxy)methane    | ND     |           | 250  | 52   | ug/Kg | ☼ | 07/02/21 15:19 | 07/06/21 12:21 | 1       |
| Bis(2-chloroethyl)ether       | ND     |           | 250  | 32   | ug/Kg | ☼ | 07/02/21 15:19 | 07/06/21 12:21 | 1       |
| Bis(2-ethylhexyl) phthalate   | ND     |           | 250  | 84   | ug/Kg | ☼ | 07/02/21 15:19 | 07/06/21 12:21 | 1       |
| Butyl benzyl phthalate        | ND     |           | 250  | 40   | ug/Kg | ☼ | 07/02/21 15:19 | 07/06/21 12:21 | 1       |
| Caprolactam                   | ND     |           | 250  | 74   | ug/Kg | ☼ | 07/02/21 15:19 | 07/06/21 12:21 | 1       |
| Carbazole                     | ND     |           | 250  | 29   | ug/Kg | ☼ | 07/02/21 15:19 | 07/06/21 12:21 | 1       |
| Chrysene                      | ND     |           | 250  | 55   | ug/Kg | ☼ | 07/02/21 15:19 | 07/06/21 12:21 | 1       |
| Dibenz(a,h)anthracene         | ND     |           | 250  | 43   | ug/Kg | ☼ | 07/02/21 15:19 | 07/06/21 12:21 | 1       |
| Dibenzofuran                  | ND     |           | 250  | 29   | ug/Kg | ☼ | 07/02/21 15:19 | 07/06/21 12:21 | 1       |
| Diethyl phthalate             | ND     |           | 250  | 32   | ug/Kg | ☼ | 07/02/21 15:19 | 07/06/21 12:21 | 1       |
| Dimethyl phthalate            | ND     |           | 250  | 29   | ug/Kg | ☼ | 07/02/21 15:19 | 07/06/21 12:21 | 1       |
| Di-n-butyl phthalate          | ND     |           | 250  | 42   | ug/Kg | ☼ | 07/02/21 15:19 | 07/06/21 12:21 | 1       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

Client Sample ID: SS-10-0002

Lab Sample ID: 480-186319-11

Date Collected: 06/21/21 10:55

Matrix: Solid

Date Received: 06/21/21 16:14

Percent Solids: 68.0

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

| Analyte                   | Result | Qualifier | RL  | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------------|--------|-----------|-----|-----|-------|---|----------------|----------------|---------|
| Di-n-octyl phthalate      | ND     |           | 250 | 29  | ug/Kg | ☼ | 07/02/21 15:19 | 07/06/21 12:21 | 1       |
| Fluoranthene              | ND     |           | 250 | 26  | ug/Kg | ☼ | 07/02/21 15:19 | 07/06/21 12:21 | 1       |
| Fluorene                  | ND     |           | 250 | 29  | ug/Kg | ☼ | 07/02/21 15:19 | 07/06/21 12:21 | 1       |
| Hexachlorobenzene         | ND     |           | 250 | 33  | ug/Kg | ☼ | 07/02/21 15:19 | 07/06/21 12:21 | 1       |
| Hexachlorobutadiene       | ND     |           | 250 | 36  | ug/Kg | ☼ | 07/02/21 15:19 | 07/06/21 12:21 | 1       |
| Hexachlorocyclopentadiene | ND     |           | 250 | 33  | ug/Kg | ☼ | 07/02/21 15:19 | 07/06/21 12:21 | 1       |
| Hexachloroethane          | ND     |           | 250 | 32  | ug/Kg | ☼ | 07/02/21 15:19 | 07/06/21 12:21 | 1       |
| Indeno(1,2,3-cd)pyrene    | ND     |           | 250 | 30  | ug/Kg | ☼ | 07/02/21 15:19 | 07/06/21 12:21 | 1       |
| Isophorone                | ND     |           | 250 | 52  | ug/Kg | ☼ | 07/02/21 15:19 | 07/06/21 12:21 | 1       |
| Naphthalene               | ND     |           | 250 | 32  | ug/Kg | ☼ | 07/02/21 15:19 | 07/06/21 12:21 | 1       |
| Nitrobenzene              | ND     |           | 250 | 27  | ug/Kg | ☼ | 07/02/21 15:19 | 07/06/21 12:21 | 1       |
| N-Nitrosodi-n-propylamine | ND     |           | 250 | 42  | ug/Kg | ☼ | 07/02/21 15:19 | 07/06/21 12:21 | 1       |
| N-Nitrosodiphenylamine    | ND     |           | 250 | 200 | ug/Kg | ☼ | 07/02/21 15:19 | 07/06/21 12:21 | 1       |
| Pentachlorophenol         | ND     |           | 480 | 250 | ug/Kg | ☼ | 07/02/21 15:19 | 07/06/21 12:21 | 1       |
| Phenanthrene              | ND     |           | 250 | 36  | ug/Kg | ☼ | 07/02/21 15:19 | 07/06/21 12:21 | 1       |
| Phenol                    | ND     |           | 250 | 37  | ug/Kg | ☼ | 07/02/21 15:19 | 07/06/21 12:21 | 1       |
| Pyrene                    | ND     |           | 250 | 29  | ug/Kg | ☼ | 07/02/21 15:19 | 07/06/21 12:21 | 1       |

| Surrogate            | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 2,4,6-Tribromophenol | 109       |           | 54 - 120 | 07/02/21 15:19 | 07/06/21 12:21 | 1       |
| 2-Fluorobiphenyl     | 101       |           | 60 - 120 | 07/02/21 15:19 | 07/06/21 12:21 | 1       |
| 2-Fluorophenol       | 87        |           | 52 - 120 | 07/02/21 15:19 | 07/06/21 12:21 | 1       |
| Nitrobenzene-d5      | 88        |           | 53 - 120 | 07/02/21 15:19 | 07/06/21 12:21 | 1       |
| p-Terphenyl-d14      | 110       |           | 79 - 130 | 07/02/21 15:19 | 07/06/21 12:21 | 1       |
| Phenol-d5            | 84        |           | 54 - 120 | 07/02/21 15:19 | 07/06/21 12:21 | 1       |

## Method: 8081B - Organochlorine Pesticides (GC)

| Analyte             | Result | Qualifier   | RL  | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|--------|-------------|-----|------|-------|---|----------------|----------------|---------|
| 4,4'-DDD            | 0.85   | J--J        | 2.4 | 0.47 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 18:43 | 1       |
| 4,4'-DDE            | 1.4    | J           | 2.4 | 0.51 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 18:43 | 1       |
| 4,4'-DDT            | 2.4    | 1.9--J---UJ | 2.4 | 0.57 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 18:43 | 1       |
| Aldrin              | ND     |             | 2.4 | 0.60 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 18:43 | 1       |
| alpha-BHC           | ND     |             | 2.4 | 0.44 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 18:43 | 1       |
| beta-BHC            | 0.62   | J--NJ       | 2.4 | 0.44 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 18:43 | 1       |
| cis-Chlordane       | ND     |             | 2.4 | 1.2  | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 18:43 | 1       |
| delta-BHC           | ND     |             | 2.4 | 0.45 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 18:43 | 1       |
| Dieldrin            | ND     |             | 2.4 | 0.59 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 18:43 | 1       |
| Endosulfan I        | 0.80   | J--NJ       | 2.4 | 0.47 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 18:43 | 1       |
| Endosulfan II       | ND     |             | 2.4 | 0.44 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 18:43 | 1       |
| Endosulfan sulfate  | ND     |             | 2.4 | 0.46 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 18:43 | 1       |
| Endrin              | ND     |             | 2.4 | 0.48 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 18:43 | 1       |
| Endrin aldehyde     | 2.4    | 1.4--J-B-U  | 2.4 | 0.62 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 18:43 | 1       |
| Endrin ketone       | ND     |             | 2.4 | 0.60 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 18:43 | 1       |
| gamma-BHC (Lindane) | 2.4    | 0.88--J-B-U | 2.4 | 0.45 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 18:43 | 1       |
| Heptachlor          | ND     |             | 2.4 | 0.53 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 18:43 | 1       |
| Heptachlor epoxide  | ND     |             | 2.4 | 0.63 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 18:43 | 1       |
| Methoxychlor        | ND     | UJ          | 2.4 | 0.50 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 18:43 | 1       |
| Mirex               | ND     |             | 2.4 | 0.60 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 18:43 | 1       |
| Toxaphene           | ND     |             | 24  | 14   | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 18:43 | 1       |
| trans-Chlordane     | ND     |             | 2.4 | 0.78 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 18:43 | 1       |

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ALH 9/23/21



# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

**Client Sample ID: SS-10-0002**

**Lab Sample ID: 480-186319-11**

**Date Collected: 06/21/21 10:55**

**Matrix: Solid**

**Date Received: 06/21/21 16:14**

**Percent Solids: 68.0**

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| DCB Decachlorobiphenyl | 114       |           | 45 - 120 | 06/28/21 07:45 | 06/29/21 18:43 | 1       |
| DCB Decachlorobiphenyl | 108       |           | 45 - 120 | 06/28/21 07:45 | 06/29/21 18:43 | 1       |
| Tetrachloro-m-xylene   | 122       |           | 30 - 124 | 06/28/21 07:45 | 06/29/21 18:43 | 1       |
| Tetrachloro-m-xylene   | 84        |           | 30 - 124 | 06/28/21 07:45 | 06/29/21 18:43 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| PCB-1016 | ND     |           | 0.28 | 0.055 | mg/Kg | ☼ | 06/26/21 11:52 | 06/28/21 04:43 | 1       |
| PCB-1221 | ND     |           | 0.28 | 0.055 | mg/Kg | ☼ | 06/26/21 11:52 | 06/28/21 04:43 | 1       |
| PCB-1232 | ND     |           | 0.28 | 0.055 | mg/Kg | ☼ | 06/26/21 11:52 | 06/28/21 04:43 | 1       |
| PCB-1242 | ND     |           | 0.28 | 0.055 | mg/Kg | ☼ | 06/26/21 11:52 | 06/28/21 04:43 | 1       |
| PCB-1248 | ND     |           | 0.28 | 0.055 | mg/Kg | ☼ | 06/26/21 11:52 | 06/28/21 04:43 | 1       |
| PCB-1254 | ND     |           | 0.28 | 0.13  | mg/Kg | ☼ | 06/26/21 11:52 | 06/28/21 04:43 | 1       |
| PCB-1260 | ND     |           | 0.28 | 0.13  | mg/Kg | ☼ | 06/26/21 11:52 | 06/28/21 04:43 | 1       |
| PCB-1262 | ND     |           | 0.28 | 0.13  | mg/Kg | ☼ | 06/26/21 11:52 | 06/28/21 04:43 | 1       |
| PCB-1268 | ND     |           | 0.28 | 0.13  | mg/Kg | ☼ | 06/26/21 11:52 | 06/28/21 04:43 | 1       |

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| Tetrachloro-m-xylene   | 158       | S1+       | 60 - 154 | 06/26/21 11:52 | 06/28/21 04:43 | 1       |
| Tetrachloro-m-xylene   | 160       | S1+       | 60 - 154 | 06/26/21 11:52 | 06/28/21 04:43 | 1       |
| DCB Decachlorobiphenyl | 146       |           | 65 - 174 | 06/26/21 11:52 | 06/28/21 04:43 | 1       |
| DCB Decachlorobiphenyl | 106       |           | 65 - 174 | 06/26/21 11:52 | 06/28/21 04:43 | 1       |

## Method: 6010C - Metals (ICP)

| Analyte   | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| Aluminum  | 10600  |           | 15.2 | 6.7   | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 01:02 | 1       |
| Antimony  | ND     |           | 22.7 | 0.61  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 01:02 | 1       |
| Arsenic   | 3.2    |           | 3.0  | 0.61  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 01:02 | 1       |
| Barium    | 63.4   | ^6+       | 0.76 | 0.17  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 01:02 | 1       |
| Beryllium | 0.50   |           | 0.30 | 0.042 | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 01:02 | 1       |
| Cadmium   | 0.82   |           | 0.30 | 0.045 | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 01:02 | 1       |
| Calcium   | 26900  | B         | 75.8 | 5.0   | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 01:02 | 1       |
| Chromium  | 14.9   |           | 0.76 | 0.30  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 01:02 | 1       |
| Cobalt    | 6.9    |           | 0.76 | 0.076 | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 01:02 | 1       |
| Copper    | 23.2   |           | 1.5  | 0.32  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 01:02 | 1       |
| Iron      | 15500  |           | 15.2 | 5.3   | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 01:02 | 1       |
| Lead      | 26.9   |           | 1.5  | 0.36  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 01:02 | 1       |
| Magnesium | 12200  | B         | 30.3 | 1.4   | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 01:02 | 1       |
| Manganese | 300    | B         | 0.30 | 0.049 | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 01:02 | 1       |
| Nickel    | 19.3   |           | 7.6  | 0.35  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 01:02 | 1       |
| Potassium | 2800   | B         | 45.5 | 30.3  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 01:02 | 1       |
| Selenium  | ND     |           | 6.1  | 0.61  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 01:02 | 1       |
| Silver    | ND     |           | 0.91 | 0.30  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 01:02 | 1       |
| Sodium    | 169    | J B       | 212  | 19.7  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 01:02 | 1       |
| Thallium  | ND     |           | 9.1  | 0.45  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 01:02 | 1       |
| Vanadium  | 25.4   |           | 0.76 | 0.17  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 01:02 | 1       |
| Zinc      | 83.2   |           | 3.0  | 0.97  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 01:02 | 1       |

## Method: 7471B - Mercury (CVAA)

| Analyte | Result | Qualifier | RL    | MDL    | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------|--------|-----------|-------|--------|-------|---|----------------|----------------|---------|
| Mercury | 0.067  |           | 0.028 | 0.0063 | mg/Kg | ☼ | 06/23/21 16:00 | 06/23/21 18:54 | 1       |

Eurofins TestAmerica, Buffalo

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

Client Sample ID: SS-10-0212

Lab Sample ID: 480-186319-12

Date Collected: 06/21/21 11:00

Matrix: Solid

Date Received: 06/21/21 16:14

Percent Solids: 77.4

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

| Analyte                       | Result | Qualifier   | RL   | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|--------|-------------|------|------|-------|---|----------------|----------------|---------|
| 2,4,5-Trichlorophenol         | ND     |             | 210  | 58   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 00:11 | 1       |
| 2,4,6-Trichlorophenol         | ND     |             | 210  | 43   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 00:11 | 1       |
| 2,4-Dichlorophenol            | ND     |             | 210  | 23   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 00:11 | 1       |
| 2,4-Dimethylphenol            | ND     |             | 210  | 52   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 00:11 | 1       |
| 2,4-Dinitrophenol             | ND     |             | 2100 | 990  | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 00:11 | 1       |
| 2,4-Dinitrotoluene            | ND     |             | 210  | 44   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 00:11 | 1       |
| 2,6-Dinitrotoluene            | ND     |             | 210  | 25   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 00:11 | 1       |
| 2-Chloronaphthalene           | ND     |             | 210  | 35   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 00:11 | 1       |
| 2-Chlorophenol                | ND     |             | 420  | 39   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 00:11 | 1       |
| 2-Methylnaphthalene           | ND     |             | 210  | 43   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 00:11 | 1       |
| 2-Methylphenol                | ND     |             | 210  | 25   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 00:11 | 1       |
| 2-Nitroaniline                | ND     |             | 420  | 32   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 00:11 | 1       |
| 2-Nitrophenol                 | ND     |             | 210  | 61   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 00:11 | 1       |
| 3,3'-Dichlorobenzidine        | ND     |             | 420  | 250  | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 00:11 | 1       |
| 3-Nitroaniline                | ND     |             | 420  | 59   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 00:11 | 1       |
| 4,6-Dinitro-2-methylphenol    | ND     |             | 420  | 210  | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 00:11 | 1       |
| 4-Bromophenyl phenyl ether    | ND     |             | 210  | 30   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 00:11 | 1       |
| 4-Chloro-3-methylphenol       | ND     |             | 210  | 53   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 00:11 | 1       |
| 4-Chloroaniline               | ND     |             | 210  | 53   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 00:11 | 1       |
| 4-Chlorophenyl phenyl ether   | ND     |             | 210  | 26   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 00:11 | 1       |
| 4-Methylphenol                | ND     |             | 420  | 25   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 00:11 | 1       |
| 4-Nitroaniline                | ND     |             | 420  | 110  | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 00:11 | 1       |
| 4-Nitrophenol                 | ND     |             | 420  | 150  | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 00:11 | 1       |
| Acenaphthene                  | ND     |             | 210  | 32   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 00:11 | 1       |
| Acenaphthylene                | ND     |             | 210  | 28   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 00:11 | 1       |
| Acetophenone                  | ND     |             | 210  | 29   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 00:11 | 1       |
| Anthracene                    | ND     |             | 210  | 53   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 00:11 | 1       |
| Atrazine                      | ND     |             | 210  | 74   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 00:11 | 1       |
| Benzaldehyde                  | ND     |             | 210  | 170  | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 00:11 | 1       |
| Benzo(a)anthracene            | ND     |             | 210  | 21   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 00:11 | 1       |
| Benzo(a)pyrene                | ND     |             | 210  | 32   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 00:11 | 1       |
| Benzo(b)fluoranthene          | ND     |             | 210  | 34   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 00:11 | 1       |
| Benzo(g,h,i)perylene          | ND     |             | 210  | 23   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 00:11 | 1       |
| Benzo(k)fluoranthene          | ND     |             | 210  | 28   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 00:11 | 1       |
| Benzoic acid                  | ND     |             | 6100 | 1900 | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 00:11 | 1       |
| Biphenyl                      | ND     |             | 210  | 32   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 00:11 | 1       |
| bis (2-chloroisopropyl) ether | ND     |             | 210  | 43   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 00:11 | 1       |
| Bis(2-chloroethoxy)methane    | ND     |             | 210  | 45   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 00:11 | 1       |
| Bis(2-chloroethyl)ether       | ND     |             | 210  | 28   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 00:11 | 1       |
| Bis(2-ethylhexyl) phthalate   | ND     |             | 210  | 73   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 00:11 | 1       |
| Butyl benzyl phthalate        | ND     |             | 210  | 35   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 00:11 | 1       |
| Caprolactam                   | ND     |             | 210  | 64   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 00:11 | 1       |
| Carbazole                     | ND     |             | 210  | 25   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 00:11 | 1       |
| Chrysene                      | ND     |             | 210  | 48   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 00:11 | 1       |
| Dibenz(a,h)anthracene         | ND     |             | 210  | 38   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 00:11 | 1       |
| Dibenzofuran                  | ND     |             | 210  | 25   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 00:11 | 1       |
| Diethyl phthalate             | ND     |             | 210  | 28   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 00:11 | 1       |
| Dimethyl phthalate            | ND     |             | 210  | 25   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 00:11 | 1       |
| Di-n-butyl phthalate          | 210    | -130-J-B- U | 210  | 37   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 00:11 | 1       |

ALH 9/23/21

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

Client Sample ID: SS-10-0212

Lab Sample ID: 480-186319-12

Date Collected: 06/21/21 11:00

Matrix: Solid

Date Received: 06/21/21 16:14

Percent Solids: 77.4

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

| Analyte                   | Result | Qualifier | RL  | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------------|--------|-----------|-----|-----|-------|---|----------------|----------------|---------|
| Di-n-octyl phthalate      | ND     |           | 210 | 25  | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 00:11 | 1       |
| Fluoranthene              | ND     |           | 210 | 23  | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 00:11 | 1       |
| Fluorene                  | ND     |           | 210 | 25  | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 00:11 | 1       |
| Hexachlorobenzene         | ND     |           | 210 | 29  | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 00:11 | 1       |
| Hexachlorobutadiene       | ND     |           | 210 | 32  | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 00:11 | 1       |
| Hexachlorocyclopentadiene | ND     |           | 210 | 29  | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 00:11 | 1       |
| Hexachloroethane          | ND     |           | 210 | 28  | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 00:11 | 1       |
| Indeno(1,2,3-cd)pyrene    | ND     |           | 210 | 26  | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 00:11 | 1       |
| Isophorone                | ND     |           | 210 | 45  | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 00:11 | 1       |
| Naphthalene               | ND     |           | 210 | 28  | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 00:11 | 1       |
| Nitrobenzene              | ND     |           | 210 | 24  | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 00:11 | 1       |
| N-Nitrosodi-n-propylamine | ND     |           | 210 | 37  | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 00:11 | 1       |
| N-Nitrosodiphenylamine    | ND     |           | 210 | 170 | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 00:11 | 1       |
| Pentachlorophenol         | ND     |           | 420 | 210 | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 00:11 | 1       |
| Phenanthrene              | ND     |           | 210 | 32  | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 00:11 | 1       |
| Phenol                    | ND     |           | 210 | 33  | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 00:11 | 1       |
| Pyrene                    | ND     |           | 210 | 25  | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 00:11 | 1       |

| Surrogate            | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 2,4,6-Tribromophenol | 91        |           | 54 - 120 | 06/28/21 15:04 | 07/01/21 00:11 | 1       |
| 2-Fluorobiphenyl     | 83        |           | 60 - 120 | 06/28/21 15:04 | 07/01/21 00:11 | 1       |
| 2-Fluorophenol       | 70        |           | 52 - 120 | 06/28/21 15:04 | 07/01/21 00:11 | 1       |
| Nitrobenzene-d5      | 78        |           | 53 - 120 | 06/28/21 15:04 | 07/01/21 00:11 | 1       |
| p-Terphenyl-d14      | 91        |           | 79 - 130 | 06/28/21 15:04 | 07/01/21 00:11 | 1       |
| Phenol-d5            | 76        |           | 54 - 120 | 06/28/21 15:04 | 07/01/21 00:11 | 1       |

## Method: 8081B - Organochlorine Pesticides (GC)

| Analyte             | Result | Qualifier  | RL  | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|--------|------------|-----|------|-------|---|----------------|----------------|---------|
| 4,4'-DDD            | 0.78   | J-J        | 2.1 | 0.41 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 19:02 | 1       |
| 4,4'-DDE            | 1.2    | J          | 2.1 | 0.45 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 19:02 | 1       |
| 4,4'-DDT            | 2.1    | 1.6-J-- UJ | 2.1 | 0.50 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 19:02 | 1       |
| Aldrin              | ND     |            | 2.1 | 0.52 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 19:02 | 1       |
| alpha-BHC           | ND     |            | 2.1 | 0.38 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 19:02 | 1       |
| beta-BHC            | ND     |            | 2.1 | 0.38 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 19:02 | 1       |
| cis-Chlordane       | ND     |            | 2.1 | 1.1  | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 19:02 | 1       |
| delta-BHC           | ND     |            | 2.1 | 0.40 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 19:02 | 1       |
| Dieldrin            | ND     |            | 2.1 | 0.51 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 19:02 | 1       |
| Endosulfan I        | ND     |            | 2.1 | 0.41 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 19:02 | 1       |
| Endosulfan II       | 0.57   | J-J        | 2.1 | 0.38 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 19:02 | 1       |
| Endosulfan sulfate  | ND     |            | 2.1 | 0.40 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 19:02 | 1       |
| Endrin              | ND     |            | 2.1 | 0.42 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 19:02 | 1       |
| Endrin aldehyde     | 2.1    | 1.1-J-B U  | 2.1 | 0.55 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 19:02 | 1       |
| Endrin ketone       | ND     |            | 2.1 | 0.52 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 19:02 | 1       |
| gamma-BHC (Lindane) | 2.1    | 0.60-J-B U | 2.1 | 0.39 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 19:02 | 1       |
| Heptachlor          | ND     |            | 2.1 | 0.46 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 19:02 | 1       |
| Heptachlor epoxide  | ND     |            | 2.1 | 0.55 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 19:02 | 1       |
| Methoxychlor        | ND     | UJ         | 2.1 | 0.44 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 19:02 | 1       |
| Mirex               | ND     |            | 2.1 | 0.52 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 19:02 | 1       |
| Toxaphene           | ND     |            | 21  | 12   | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 19:02 | 1       |
| trans-Chlordane     | ND     |            | 2.1 | 0.68 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 19:02 | 1       |

Eurofins TestAmerica, Buffalo

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

**Client Sample ID: SS-10-0212**

**Lab Sample ID: 480-186319-12**

**Date Collected: 06/21/21 11:00**

**Matrix: Solid**

**Date Received: 06/21/21 16:14**

**Percent Solids: 77.4**

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| DCB Decachlorobiphenyl | 97        |           | 45 - 120 | 06/28/21 07:45 | 06/29/21 19:02 | 1       |
| DCB Decachlorobiphenyl | 105       |           | 45 - 120 | 06/28/21 07:45 | 06/29/21 19:02 | 1       |
| Tetrachloro-m-xylene   | 89        |           | 30 - 124 | 06/28/21 07:45 | 06/29/21 19:02 | 1       |
| Tetrachloro-m-xylene   | 65        |           | 30 - 124 | 06/28/21 07:45 | 06/29/21 19:02 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| PCB-1016 | ND     |           | 0.22 | 0.044 | mg/Kg | ☼ | 06/26/21 11:52 | 06/28/21 04:56 | 1       |
| PCB-1221 | ND     |           | 0.22 | 0.044 | mg/Kg | ☼ | 06/26/21 11:52 | 06/28/21 04:56 | 1       |
| PCB-1232 | ND     |           | 0.22 | 0.044 | mg/Kg | ☼ | 06/26/21 11:52 | 06/28/21 04:56 | 1       |
| PCB-1242 | ND     |           | 0.22 | 0.044 | mg/Kg | ☼ | 06/26/21 11:52 | 06/28/21 04:56 | 1       |
| PCB-1248 | ND     |           | 0.22 | 0.044 | mg/Kg | ☼ | 06/26/21 11:52 | 06/28/21 04:56 | 1       |
| PCB-1254 | ND     |           | 0.22 | 0.10  | mg/Kg | ☼ | 06/26/21 11:52 | 06/28/21 04:56 | 1       |
| PCB-1260 | ND     |           | 0.22 | 0.10  | mg/Kg | ☼ | 06/26/21 11:52 | 06/28/21 04:56 | 1       |
| PCB-1262 | ND     |           | 0.22 | 0.10  | mg/Kg | ☼ | 06/26/21 11:52 | 06/28/21 04:56 | 1       |
| PCB-1268 | ND     |           | 0.22 | 0.10  | mg/Kg | ☼ | 06/26/21 11:52 | 06/28/21 04:56 | 1       |

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| Tetrachloro-m-xylene   | 153       |           | 60 - 154 | 06/26/21 11:52 | 06/28/21 04:56 | 1       |
| Tetrachloro-m-xylene   | 152       |           | 60 - 154 | 06/26/21 11:52 | 06/28/21 04:56 | 1       |
| DCB Decachlorobiphenyl | 144       |           | 65 - 174 | 06/26/21 11:52 | 06/28/21 04:56 | 1       |
| DCB Decachlorobiphenyl | 107       |           | 65 - 174 | 06/26/21 11:52 | 06/28/21 04:56 | 1       |

## Method: 6010C - Metals (ICP)

| Analyte   | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| Aluminum  | 11100  |           | 12.5 | 5.5   | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 01:06 | 1       |
| Antimony  | ND     |           | 18.7 | 0.50  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 01:06 | 1       |
| Arsenic   | 2.8    |           | 2.5  | 0.50  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 01:06 | 1       |
| Barium    | 57.7   | ^6+       | 0.62 | 0.14  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 01:06 | 1       |
| Beryllium | 0.51   |           | 0.25 | 0.035 | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 01:06 | 1       |
| Cadmium   | 0.27   |           | 0.25 | 0.037 | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 01:06 | 1       |
| Calcium   | 30600  | B         | 62.4 | 4.1   | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 01:06 | 1       |
| Chromium  | 15.2   |           | 0.62 | 0.25  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 01:06 | 1       |
| Cobalt    | 6.9    |           | 0.62 | 0.062 | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 01:06 | 1       |
| Copper    | 15.0   |           | 1.2  | 0.26  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 01:06 | 1       |
| Iron      | 14200  |           | 12.5 | 4.4   | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 01:06 | 1       |
| Lead      | 19.3   |           | 1.2  | 0.30  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 01:06 | 1       |
| Magnesium | 12600  | B         | 25.0 | 1.2   | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 01:06 | 1       |
| Manganese | 231    | B         | 0.25 | 0.040 | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 01:06 | 1       |
| Nickel    | 18.4   |           | 6.2  | 0.29  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 01:06 | 1       |
| Potassium | 2440   | B         | 37.5 | 25.0  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 01:06 | 1       |
| Selenium  | ND     |           | 5.0  | 0.50  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 01:06 | 1       |
| Silver    | 0.25   | J         | 0.75 | 0.25  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 01:06 | 1       |
| Sodium    | 173    | J B       | 175  | 16.2  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 01:06 | 1       |
| Thallium  | ND     |           | 7.5  | 0.37  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 01:06 | 1       |
| Vanadium  | 25.7   |           | 0.62 | 0.14  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 01:06 | 1       |
| Zinc      | 58.1   |           | 2.5  | 0.80  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 01:06 | 1       |

## Method: 7471B - Mercury (CVAA)

| Analyte | Result | Qualifier | RL    | MDL    | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------|--------|-----------|-------|--------|-------|---|----------------|----------------|---------|
| Mercury | 0.043  |           | 0.025 | 0.0057 | mg/Kg | ☼ | 06/23/21 16:00 | 06/23/21 18:55 | 1       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

Client Sample ID: SS-11-0002

Lab Sample ID: 480-186319-13

Date Collected: 06/21/21 10:40

Matrix: Solid

Date Received: 06/21/21 16:14

Percent Solids: 78.5

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

| Analyte                       | Result              | Qualifier | RL   | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|---------------------|-----------|------|------|-------|---|----------------|----------------|---------|
| 2,4,5-Trichlorophenol         | ND                  |           | 210  | 58   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 00:35 | 1       |
| 2,4,6-Trichlorophenol         | ND                  |           | 210  | 43   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 00:35 | 1       |
| 2,4-Dichlorophenol            | ND                  |           | 210  | 23   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 00:35 | 1       |
| 2,4-Dimethylphenol            | ND                  |           | 210  | 52   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 00:35 | 1       |
| 2,4-Dinitrophenol             | ND                  |           | 2100 | 990  | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 00:35 | 1       |
| 2,4-Dinitrotoluene            | ND                  |           | 210  | 44   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 00:35 | 1       |
| 2,6-Dinitrotoluene            | ND                  |           | 210  | 25   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 00:35 | 1       |
| 2-Chloronaphthalene           | ND                  |           | 210  | 35   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 00:35 | 1       |
| 2-Chlorophenol                | ND                  |           | 420  | 39   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 00:35 | 1       |
| 2-Methylnaphthalene           | ND                  |           | 210  | 43   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 00:35 | 1       |
| 2-Methylphenol                | ND                  |           | 210  | 25   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 00:35 | 1       |
| 2-Nitroaniline                | ND                  |           | 420  | 32   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 00:35 | 1       |
| 2-Nitrophenol                 | ND                  |           | 210  | 61   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 00:35 | 1       |
| 3,3'-Dichlorobenzidine        | ND                  |           | 420  | 250  | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 00:35 | 1       |
| 3-Nitroaniline                | ND                  |           | 420  | 59   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 00:35 | 1       |
| 4,6-Dinitro-2-methylphenol    | ND                  |           | 420  | 210  | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 00:35 | 1       |
| 4-Bromophenyl phenyl ether    | ND                  |           | 210  | 30   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 00:35 | 1       |
| 4-Chloro-3-methylphenol       | ND                  |           | 210  | 53   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 00:35 | 1       |
| 4-Chloroaniline               | ND                  |           | 210  | 53   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 00:35 | 1       |
| 4-Chlorophenyl phenyl ether   | ND                  |           | 210  | 27   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 00:35 | 1       |
| 4-Methylphenol                | ND                  |           | 420  | 25   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 00:35 | 1       |
| 4-Nitroaniline                | ND                  |           | 420  | 110  | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 00:35 | 1       |
| 4-Nitrophenol                 | ND                  |           | 420  | 150  | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 00:35 | 1       |
| Acenaphthene                  | ND                  |           | 210  | 32   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 00:35 | 1       |
| Acenaphthylene                | ND                  |           | 210  | 28   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 00:35 | 1       |
| Acetophenone                  | ND                  |           | 210  | 29   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 00:35 | 1       |
| Anthracene                    | ND                  |           | 210  | 53   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 00:35 | 1       |
| Atrazine                      | ND                  |           | 210  | 75   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 00:35 | 1       |
| Benzaldehyde                  | ND                  |           | 210  | 170  | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 00:35 | 1       |
| Benzo(a)anthracene            | ND                  |           | 210  | 21   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 00:35 | 1       |
| Benzo(a)pyrene                | 41 J                |           | 210  | 32   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 00:35 | 1       |
| Benzo(b)fluoranthene          | 51 J                |           | 210  | 34   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 00:35 | 1       |
| Benzo(g,h,i)perylene          | 29 J                |           | 210  | 23   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 00:35 | 1       |
| Benzo(k)fluoranthene          | ND                  |           | 210  | 28   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 00:35 | 1       |
| Benzoic acid                  | ND                  |           | 6100 | 1900 | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 00:35 | 1       |
| Biphenyl                      | ND                  |           | 210  | 32   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 00:35 | 1       |
| bis (2-chloroisopropyl) ether | ND                  |           | 210  | 43   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 00:35 | 1       |
| Bis(2-chloroethoxy)methane    | ND                  |           | 210  | 45   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 00:35 | 1       |
| Bis(2-chloroethyl)ether       | ND                  |           | 210  | 28   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 00:35 | 1       |
| Bis(2-ethylhexyl) phthalate   | ND                  |           | 210  | 73   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 00:35 | 1       |
| Butyl benzyl phthalate        | ND                  |           | 210  | 35   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 00:35 | 1       |
| Caprolactam                   | ND                  |           | 210  | 64   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 00:35 | 1       |
| Carbazole                     | ND                  |           | 210  | 25   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 00:35 | 1       |
| Chrysene                      | ND                  |           | 210  | 48   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 00:35 | 1       |
| Dibenz(a,h)anthracene         | ND                  |           | 210  | 38   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 00:35 | 1       |
| Dibenzofuran                  | ND                  |           | 210  | 25   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 00:35 | 1       |
| Diethyl phthalate             | ND                  |           | 210  | 28   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 00:35 | 1       |
| Dimethyl phthalate            | ND                  |           | 210  | 25   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 00:35 | 1       |
| Di-n-butyl phthalate          | 210 ---110---J B- U |           | 210  | 37   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 00:35 | 1       |



# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

Client Sample ID: SS-11-0002

Lab Sample ID: 480-186319-13

Date Collected: 06/21/21 10:40

Matrix: Solid

Date Received: 06/21/21 16:14

Percent Solids: 78.5

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

| Analyte                   | Result | Qualifier | RL  | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------------|--------|-----------|-----|-----|-------|---|----------------|----------------|---------|
| Di-n-octyl phthalate      | ND     |           | 210 | 25  | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 00:35 | 1       |
| Fluoranthene              | 59     | J         | 210 | 23  | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 00:35 | 1       |
| Fluorene                  | ND     |           | 210 | 25  | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 00:35 | 1       |
| Hexachlorobenzene         | ND     |           | 210 | 29  | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 00:35 | 1       |
| Hexachlorobutadiene       | ND     |           | 210 | 32  | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 00:35 | 1       |
| Hexachlorocyclopentadiene | ND     |           | 210 | 29  | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 00:35 | 1       |
| Hexachloroethane          | ND     |           | 210 | 28  | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 00:35 | 1       |
| Indeno(1,2,3-cd)pyrene    | 30     | J         | 210 | 27  | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 00:35 | 1       |
| Isophorone                | ND     |           | 210 | 45  | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 00:35 | 1       |
| Naphthalene               | ND     |           | 210 | 28  | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 00:35 | 1       |
| Nitrobenzene              | ND     |           | 210 | 24  | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 00:35 | 1       |
| N-Nitrosodi-n-propylamine | ND     |           | 210 | 37  | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 00:35 | 1       |
| N-Nitrosodiphenylamine    | ND     |           | 210 | 170 | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 00:35 | 1       |
| Pentachlorophenol         | ND     |           | 420 | 210 | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 00:35 | 1       |
| Phenanthrene              | ND     |           | 210 | 32  | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 00:35 | 1       |
| Phenol                    | ND     |           | 210 | 33  | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 00:35 | 1       |
| Pyrene                    | 48     | J         | 210 | 25  | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 00:35 | 1       |

| Surrogate            | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 2,4,6-Tribromophenol | 78        |           | 54 - 120 | 06/28/21 15:04 | 07/01/21 00:35 | 1       |
| 2-Fluorobiphenyl     | 72        |           | 60 - 120 | 06/28/21 15:04 | 07/01/21 00:35 | 1       |
| 2-Fluorophenol       | 62        |           | 52 - 120 | 06/28/21 15:04 | 07/01/21 00:35 | 1       |
| Nitrobenzene-d5      | 65        |           | 53 - 120 | 06/28/21 15:04 | 07/01/21 00:35 | 1       |
| p-Terphenyl-d14      | 78        | S1-       | 79 - 130 | 06/28/21 15:04 | 07/01/21 00:35 | 1       |
| Phenol-d5            | 66        |           | 54 - 120 | 06/28/21 15:04 | 07/01/21 00:35 | 1       |

## Method: 8081B - Organochlorine Pesticides (GC)

| Analyte             | Result | Qualifier   | RL  | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|--------|-------------|-----|------|-------|---|----------------|----------------|---------|
| 4,4'-DDD            | ND     |             | 2.1 | 0.41 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 19:22 | 1       |
| 4,4'-DDE            | 4.3    | NJ          | 2.1 | 0.45 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 19:22 | 1       |
| 4,4'-DDT            | 45     | J J         | 2.1 | 0.50 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 19:22 | 1       |
| Aldrin              | 2.1    | NJ          | 2.1 | 0.52 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 19:22 | 1       |
| alpha-BHC           | ND     |             | 2.1 | 0.38 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 19:22 | 1       |
| beta-BHC            | 2.3    | -B-J        | 2.1 | 0.38 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 19:22 | 1       |
| cis-Chlordane       | ND     |             | 2.1 | 1.1  | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 19:22 | 1       |
| delta-BHC           | ND     |             | 2.1 | 0.39 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 19:22 | 1       |
| Dieldrin            | 3.9    | NJ          | 2.1 | 0.51 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 19:22 | 1       |
| Endosulfan I        | 4.0    | J           | 2.1 | 0.41 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 19:22 | 1       |
| Endosulfan II       | 1.8    | -J--NJ      | 2.1 | 0.38 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 19:22 | 1       |
| Endosulfan sulfate  | ND     |             | 2.1 | 0.40 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 19:22 | 1       |
| Endrin              | 2.5    | J           | 2.1 | 0.42 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 19:22 | 1       |
| Endrin aldehyde     | 2.1    | 1.1--J-B-U  | 2.1 | 0.54 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 19:22 | 1       |
| Endrin ketone       | ND     |             | 2.1 | 0.52 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 19:22 | 1       |
| gamma-BHC (Lindane) | 2.1    | 0.92--J-B-U | 2.1 | 0.39 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 19:22 | 1       |
| Heptachlor          | ND     |             | 2.1 | 0.46 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 19:22 | 1       |
| Heptachlor epoxide  | 2.8    | NJ          | 2.1 | 0.55 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 19:22 | 1       |
| Methoxychlor        | ND     | UJ          | 2.1 | 0.43 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 19:22 | 1       |
| Mirex               | 1.0    | -J--NJ      | 2.1 | 0.52 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 19:22 | 1       |
| Toxaphene           | ND     |             | 21  | 12   | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 19:22 | 1       |
| trans-Chlordane     | 15     | J           | 2.1 | 0.67 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 19:22 | 1       |

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ALH 9/23/21

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

Client Sample ID: SS-11-0002

Lab Sample ID: 480-186319-13

Date Collected: 06/21/21 10:40

Matrix: Solid

Date Received: 06/21/21 16:14

Percent Solids: 78.5

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| DCB Decachlorobiphenyl | 602       | S1+       | 45 - 120 | 06/28/21 07:45 | 06/29/21 19:22 | 1       |
| DCB Decachlorobiphenyl | 175       | S1+       | 45 - 120 | 06/28/21 07:45 | 06/29/21 19:22 | 1       |
| Tetrachloro-m-xylene   | 116       |           | 30 - 124 | 06/28/21 07:45 | 06/29/21 19:22 | 1       |
| Tetrachloro-m-xylene   | 81        |           | 30 - 124 | 06/28/21 07:45 | 06/29/21 19:22 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| PCB-1016 | ND     | UJ        | 0.28 | 0.054 | mg/Kg | ☼ | 06/29/21 08:04 | 06/30/21 03:54 | 1       |
| PCB-1221 | ND     |           | 0.28 | 0.054 | mg/Kg | ☼ | 06/29/21 08:04 | 06/30/21 03:54 | 1       |
| PCB-1232 | ND     |           | 0.28 | 0.054 | mg/Kg | ☼ | 06/29/21 08:04 | 06/30/21 03:54 | 1       |
| PCB-1242 | ND     |           | 0.28 | 0.054 | mg/Kg | ☼ | 06/29/21 08:04 | 06/30/21 03:54 | 1       |
| PCB-1248 | ND     |           | 0.28 | 0.054 | mg/Kg | ☼ | 06/29/21 08:04 | 06/30/21 03:54 | 1       |
| PCB-1254 | 0.28   |           | 0.28 | 0.13  | mg/Kg | ☼ | 06/29/21 08:04 | 06/30/21 03:54 | 1       |
| PCB-1260 | ND     |           | 0.28 | 0.13  | mg/Kg | ☼ | 06/29/21 08:04 | 06/30/21 03:54 | 1       |
| PCB-1262 | ND     |           | 0.28 | 0.13  | mg/Kg | ☼ | 06/29/21 08:04 | 06/30/21 03:54 | 1       |
| PCB-1268 | ND     |           | 0.28 | 0.13  | mg/Kg | ☼ | 06/29/21 08:04 | 06/30/21 03:54 | 1       |

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| Tetrachloro-m-xylene   | 122       |           | 60 - 154 | 06/29/21 08:04 | 06/30/21 03:54 | 1       |
| Tetrachloro-m-xylene   | 129       |           | 60 - 154 | 06/29/21 08:04 | 06/30/21 03:54 | 1       |
| DCB Decachlorobiphenyl | 115       |           | 65 - 174 | 06/29/21 08:04 | 06/30/21 03:54 | 1       |
| DCB Decachlorobiphenyl | 91        |           | 65 - 174 | 06/29/21 08:04 | 06/30/21 03:54 | 1       |

## Method: 6010C - Metals (ICP)

| Analyte   | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| Aluminum  | 8650   |           | 12.3 | 5.4   | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 01:10 | 1       |
| Antimony  | ND     |           | 18.5 | 0.49  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 01:10 | 1       |
| Arsenic   | 3.5    |           | 2.5  | 0.49  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 01:10 | 1       |
| Barium    | 52.6   | ^6+       | 0.62 | 0.14  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 01:10 | 1       |
| Beryllium | 0.39   |           | 0.25 | 0.034 | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 01:10 | 1       |
| Cadmium   | 0.99   |           | 0.25 | 0.037 | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 01:10 | 1       |
| Calcium   | 35000  | B         | 61.5 | 4.1   | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 01:10 | 1       |
| Chromium  | 16.1   |           | 0.62 | 0.25  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 01:10 | 1       |
| Cobalt    | 6.5    |           | 0.62 | 0.062 | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 01:10 | 1       |
| Copper    | 23.3   |           | 1.2  | 0.26  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 01:10 | 1       |
| Iron      | 14900  |           | 12.3 | 4.3   | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 01:10 | 1       |
| Lead      | 38.1   |           | 1.2  | 0.30  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 01:10 | 1       |
| Magnesium | 14400  | B         | 24.6 | 1.1   | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 01:10 | 1       |
| Manganese | 375    | B         | 0.25 | 0.039 | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 01:10 | 1       |
| Nickel    | 17.3   |           | 6.2  | 0.28  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 01:10 | 1       |
| Potassium | 2260   | B         | 36.9 | 24.6  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 01:10 | 1       |
| Selenium  | ND     |           | 4.9  | 0.49  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 01:10 | 1       |
| Silver    | 0.49   | J         | 0.74 | 0.25  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 01:10 | 1       |
| Sodium    | 171    | J B       | 172  | 16.0  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 01:10 | 1       |
| Thallium  | ND     |           | 7.4  | 0.37  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 01:10 | 1       |
| Vanadium  | 22.5   |           | 0.62 | 0.14  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 01:10 | 1       |
| Zinc      | 128    |           | 2.5  | 0.79  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 01:10 | 1       |

## Method: 7471B - Mercury (CVAA)

| Analyte | Result | Qualifier | RL    | MDL    | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------|--------|-----------|-------|--------|-------|---|----------------|----------------|---------|
| Mercury | 0.20   |           | 0.025 | 0.0058 | mg/Kg | ☼ | 06/23/21 16:00 | 06/23/21 18:57 | 1       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

Client Sample ID: SS-11-0212

Lab Sample ID: 480-186319-14

Date Collected: 06/21/21 10:45

Matrix: Solid

Date Received: 06/21/21 16:14

Percent Solids: 86.7

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

| Analyte                       | Result | Qualifier   | RL   | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|--------|-------------|------|------|-------|---|----------------|----------------|---------|
| 2,4,5-Trichlorophenol         | ND     |             | 190  | 52   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 00:59 | 1       |
| 2,4,6-Trichlorophenol         | ND     |             | 190  | 39   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 00:59 | 1       |
| 2,4-Dichlorophenol            | ND     |             | 190  | 20   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 00:59 | 1       |
| 2,4-Dimethylphenol            | ND     |             | 190  | 47   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 00:59 | 1       |
| 2,4-Dinitrophenol             | ND     |             | 1900 | 890  | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 00:59 | 1       |
| 2,4-Dinitrotoluene            | ND     |             | 190  | 40   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 00:59 | 1       |
| 2,6-Dinitrotoluene            | ND     |             | 190  | 23   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 00:59 | 1       |
| 2-Chloronaphthalene           | ND     |             | 190  | 32   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 00:59 | 1       |
| 2-Chlorophenol                | ND     |             | 380  | 35   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 00:59 | 1       |
| 2-Methylnaphthalene           | ND     |             | 190  | 39   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 00:59 | 1       |
| 2-Methylphenol                | ND     |             | 190  | 23   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 00:59 | 1       |
| 2-Nitroaniline                | ND     |             | 380  | 28   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 00:59 | 1       |
| 2-Nitrophenol                 | ND     |             | 190  | 55   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 00:59 | 1       |
| 3,3'-Dichlorobenzidine        | ND     |             | 380  | 230  | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 00:59 | 1       |
| 3-Nitroaniline                | ND     |             | 380  | 54   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 00:59 | 1       |
| 4,6-Dinitro-2-methylphenol    | ND     |             | 380  | 190  | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 00:59 | 1       |
| 4-Bromophenyl phenyl ether    | ND     |             | 190  | 27   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 00:59 | 1       |
| 4-Chloro-3-methylphenol       | ND     |             | 190  | 48   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 00:59 | 1       |
| 4-Chloroaniline               | ND     |             | 190  | 48   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 00:59 | 1       |
| 4-Chlorophenyl phenyl ether   | ND     |             | 190  | 24   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 00:59 | 1       |
| 4-Methylphenol                | ND     |             | 380  | 23   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 00:59 | 1       |
| 4-Nitroaniline                | ND     |             | 380  | 100  | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 00:59 | 1       |
| 4-Nitrophenol                 | ND     |             | 380  | 140  | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 00:59 | 1       |
| Acenaphthene                  | 62     | J           | 190  | 28   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 00:59 | 1       |
| Acenaphthylene                | ND     |             | 190  | 25   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 00:59 | 1       |
| Acetophenone                  | ND     |             | 190  | 26   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 00:59 | 1       |
| Anthracene                    | 150    | J           | 190  | 48   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 00:59 | 1       |
| Atrazine                      | ND     |             | 190  | 67   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 00:59 | 1       |
| Benzaldehyde                  | ND     |             | 190  | 150  | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 00:59 | 1       |
| Benzo(a)anthracene            | 250    |             | 190  | 19   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 00:59 | 1       |
| Benzo(a)pyrene                | 200    |             | 190  | 28   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 00:59 | 1       |
| Benzo(b)fluoranthene          | 270    |             | 190  | 31   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 00:59 | 1       |
| Benzo(g,h,i)perylene          | 130    | J           | 190  | 20   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 00:59 | 1       |
| Benzo(k)fluoranthene          | 120    | J           | 190  | 25   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 00:59 | 1       |
| Benzoic acid                  | ND     |             | 5500 | 1700 | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 00:59 | 1       |
| Biphenyl                      | ND     |             | 190  | 28   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 00:59 | 1       |
| bis (2-chloroisopropyl) ether | ND     |             | 190  | 39   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 00:59 | 1       |
| Bis(2-chloroethoxy)methane    | ND     |             | 190  | 41   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 00:59 | 1       |
| Bis(2-chloroethyl)ether       | ND     |             | 190  | 25   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 00:59 | 1       |
| Bis(2-ethylhexyl) phthalate   | ND     |             | 190  | 66   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 00:59 | 1       |
| Butyl benzyl phthalate        | ND     |             | 190  | 32   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 00:59 | 1       |
| Caprolactam                   | ND     |             | 190  | 58   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 00:59 | 1       |
| Carbazole                     | 55     | J           | 190  | 23   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 00:59 | 1       |
| Chrysene                      | 250    |             | 190  | 43   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 00:59 | 1       |
| Dibenz(a,h)anthracene         | 40     | J           | 190  | 34   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 00:59 | 1       |
| Dibenzofuran                  | 27     | J           | 190  | 23   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 00:59 | 1       |
| Diethyl phthalate             | ND     |             | 190  | 25   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 00:59 | 1       |
| Dimethyl phthalate            | ND     |             | 190  | 23   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 00:59 | 1       |
| Di-n-butyl phthalate          | 190    | -82--J-B- U | 190  | 33   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 00:59 | 1       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

Client Sample ID: SS-11-0212

Lab Sample ID: 480-186319-14

Date Collected: 06/21/21 10:45

Matrix: Solid

Date Received: 06/21/21 16:14

Percent Solids: 86.7

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

| Analyte                   | Result | Qualifier | RL  | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------------|--------|-----------|-----|-----|-------|---|----------------|----------------|---------|
| Di-n-octyl phthalate      | ND     |           | 190 | 23  | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 00:59 | 1       |
| Fluoranthene              | 620    |           | 190 | 20  | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 00:59 | 1       |
| Fluorene                  | 58     | J         | 190 | 23  | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 00:59 | 1       |
| Hexachlorobenzene         | ND     |           | 190 | 26  | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 00:59 | 1       |
| Hexachlorobutadiene       | ND     |           | 190 | 28  | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 00:59 | 1       |
| Hexachlorocyclopentadiene | ND     |           | 190 | 26  | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 00:59 | 1       |
| Hexachloroethane          | ND     |           | 190 | 25  | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 00:59 | 1       |
| Indeno(1,2,3-cd)pyrene    | 120    | J         | 190 | 24  | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 00:59 | 1       |
| Isophorone                | ND     |           | 190 | 41  | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 00:59 | 1       |
| Naphthalene               | ND     |           | 190 | 25  | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 00:59 | 1       |
| Nitrobenzene              | ND     |           | 190 | 22  | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 00:59 | 1       |
| N-Nitrosodi-n-propylamine | ND     |           | 190 | 33  | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 00:59 | 1       |
| N-Nitrosodiphenylamine    | ND     |           | 190 | 160 | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 00:59 | 1       |
| Pentachlorophenol         | ND     |           | 380 | 190 | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 00:59 | 1       |
| Phenanthrene              | 500    |           | 190 | 28  | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 00:59 | 1       |
| Phenol                    | ND     |           | 190 | 30  | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 00:59 | 1       |
| Pyrene                    | 450    |           | 190 | 23  | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 00:59 | 1       |

| Surrogate            | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 2,4,6-Tribromophenol | 64        |           | 54 - 120 | 06/28/21 15:04 | 07/01/21 00:59 | 1       |
| 2-Fluorobiphenyl     | 64        |           | 60 - 120 | 06/28/21 15:04 | 07/01/21 00:59 | 1       |
| 2-Fluorophenol       | 54        |           | 52 - 120 | 06/28/21 15:04 | 07/01/21 00:59 | 1       |
| Nitrobenzene-d5      | 62        |           | 53 - 120 | 06/28/21 15:04 | 07/01/21 00:59 | 1       |
| p-Terphenyl-d14      | 65        | S1-       | 79 - 130 | 06/28/21 15:04 | 07/01/21 00:59 | 1       |
| Phenol-d5            | 57        |           | 54 - 120 | 06/28/21 15:04 | 07/01/21 00:59 | 1       |

## Method: 8081B - Organochlorine Pesticides (GC)

| Analyte             | Result   | Qualifier | RL  | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|-----|------|-------|---|----------------|----------------|---------|
| 4,4'-DDD            | 1.3      | J NJ      | 1.9 | 0.37 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 19:41 | 1       |
| 4,4'-DDE            | 4.9      | J         | 1.9 | 0.40 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 19:41 | 1       |
| 4,4'-DDT            | 33       | J         | 1.9 | 0.45 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 19:41 | 1       |
| Aldrin              | ND       |           | 1.9 | 0.47 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 19:41 | 1       |
| alpha-BHC           | ND       |           | 1.9 | 0.34 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 19:41 | 1       |
| beta-BHC            | 2.2      | J         | 1.9 | 0.34 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 19:41 | 1       |
| cis-Chlordane       | ND       |           | 1.9 | 0.95 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 19:41 | 1       |
| delta-BHC           | ND       |           | 1.9 | 0.35 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 19:41 | 1       |
| Dieldrin            | 3.3      | NJ        | 1.9 | 0.46 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 19:41 | 1       |
| Endosulfan I        | 2.5      | J         | 1.9 | 0.37 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 19:41 | 1       |
| Endosulfan II       | 2.0      | NJ        | 1.9 | 0.34 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 19:41 | 1       |
| Endosulfan sulfate  | 1.6      | J-NJ      | 1.9 | 0.36 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 19:41 | 1       |
| Endrin              | 2.1      | J         | 1.9 | 0.38 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 19:41 | 1       |
| Endrin aldehyde     | 1.9 0.86 | J-B-- U   | 1.9 | 0.49 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 19:41 | 1       |
| Endrin ketone       | ND       |           | 1.9 | 0.47 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 19:41 | 1       |
| gamma-BHC (Lindane) | 1.9 0.60 | J-B-- U   | 1.9 | 0.35 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 19:41 | 1       |
| Heptachlor          | ND       |           | 1.9 | 0.41 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 19:41 | 1       |
| Heptachlor epoxide  | 2.1      | NJ        | 1.9 | 0.49 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 19:41 | 1       |
| Methoxychlor        | ND       | UJ        | 1.9 | 0.39 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 19:41 | 1       |
| Mirex               | 1.0      | J-NJ      | 1.9 | 0.47 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 19:41 | 1       |
| Toxaphene           | ND       |           | 19  | 11   | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 19:41 | 1       |
| trans-Chlordane     | 10       | J         | 1.9 | 0.61 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 19:41 | 1       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

Client Sample ID: SS-11-0212

Lab Sample ID: 480-186319-14

Date Collected: 06/21/21 10:45

Matrix: Solid

Date Received: 06/21/21 16:14

Percent Solids: 86.7

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| DCB Decachlorobiphenyl | 121       | S1+       | 45 - 120 | 06/28/21 07:45 | 06/29/21 19:41 | 1       |
| DCB Decachlorobiphenyl | 154       | S1+       | 45 - 120 | 06/28/21 07:45 | 06/29/21 19:41 | 1       |
| Tetrachloro-m-xylene   | 102       |           | 30 - 124 | 06/28/21 07:45 | 06/29/21 19:41 | 1       |
| Tetrachloro-m-xylene   | 74        |           | 30 - 124 | 06/28/21 07:45 | 06/29/21 19:41 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| PCB-1016 | ND     | UJ        | 0.24 | 0.047 | mg/Kg | ☼ | 06/29/21 08:04 | 06/30/21 04:07 | 1       |
| PCB-1221 | ND     |           | 0.24 | 0.047 | mg/Kg | ☼ | 06/29/21 08:04 | 06/30/21 04:07 | 1       |
| PCB-1232 | ND     |           | 0.24 | 0.047 | mg/Kg | ☼ | 06/29/21 08:04 | 06/30/21 04:07 | 1       |
| PCB-1242 | ND     |           | 0.24 | 0.047 | mg/Kg | ☼ | 06/29/21 08:04 | 06/30/21 04:07 | 1       |
| PCB-1248 | ND     |           | 0.24 | 0.047 | mg/Kg | ☼ | 06/29/21 08:04 | 06/30/21 04:07 | 1       |
| PCB-1254 | 0.25   |           | 0.24 | 0.11  | mg/Kg | ☼ | 06/29/21 08:04 | 06/30/21 04:07 | 1       |
| PCB-1260 | ND     |           | 0.24 | 0.11  | mg/Kg | ☼ | 06/29/21 08:04 | 06/30/21 04:07 | 1       |
| PCB-1262 | ND     |           | 0.24 | 0.11  | mg/Kg | ☼ | 06/29/21 08:04 | 06/30/21 04:07 | 1       |
| PCB-1268 | ND     |           | 0.24 | 0.11  | mg/Kg | ☼ | 06/29/21 08:04 | 06/30/21 04:07 | 1       |

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| Tetrachloro-m-xylene   | 120       |           | 60 - 154 | 06/29/21 08:04 | 06/30/21 04:07 | 1       |
| Tetrachloro-m-xylene   | 123       |           | 60 - 154 | 06/29/21 08:04 | 06/30/21 04:07 | 1       |
| DCB Decachlorobiphenyl | 114       |           | 65 - 174 | 06/29/21 08:04 | 06/30/21 04:07 | 1       |
| DCB Decachlorobiphenyl | 91        |           | 65 - 174 | 06/29/21 08:04 | 06/30/21 04:07 | 1       |

## Method: 6010C - Metals (ICP)

| Analyte   | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| Aluminum  | 8740   |           | 11.4 | 5.0   | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 01:14 | 1       |
| Antimony  | ND     |           | 17.1 | 0.45  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 01:14 | 1       |
| Arsenic   | 3.5    |           | 2.3  | 0.45  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 01:14 | 1       |
| Barium    | 53.8   | ^6+       | 0.57 | 0.13  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 01:14 | 1       |
| Beryllium | 0.39   |           | 0.23 | 0.032 | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 01:14 | 1       |
| Cadmium   | 0.80   |           | 0.23 | 0.034 | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 01:14 | 1       |
| Calcium   | 36100  | B         | 56.9 | 3.8   | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 01:14 | 1       |
| Chromium  | 16.1   |           | 0.57 | 0.23  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 01:14 | 1       |
| Cobalt    | 6.2    |           | 0.57 | 0.057 | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 01:14 | 1       |
| Copper    | 25.3   |           | 1.1  | 0.24  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 01:14 | 1       |
| Iron      | 14200  |           | 11.4 | 4.0   | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 01:14 | 1       |
| Lead      | 35.9   |           | 1.1  | 0.27  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 01:14 | 1       |
| Magnesium | 14100  | B         | 22.7 | 1.1   | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 01:14 | 1       |
| Manganese | 355    | B         | 0.23 | 0.036 | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 01:14 | 1       |
| Nickel    | 17.0   |           | 5.7  | 0.26  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 01:14 | 1       |
| Potassium | 2150   | B         | 34.1 | 22.7  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 01:14 | 1       |
| Selenium  | ND     |           | 4.5  | 0.45  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 01:14 | 1       |
| Silver    | 0.54   | J         | 0.68 | 0.23  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 01:14 | 1       |
| Sodium    | 175    | B         | 159  | 14.8  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 01:14 | 1       |
| Thallium  | ND     |           | 6.8  | 0.34  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 01:14 | 1       |
| Vanadium  | 22.6   |           | 0.57 | 0.13  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 01:14 | 1       |
| Zinc      | 112    |           | 2.3  | 0.73  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 01:14 | 1       |

## Method: 7471B - Mercury (CVAA)

| Analyte | Result | Qualifier | RL    | MDL    | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------|--------|-----------|-------|--------|-------|---|----------------|----------------|---------|
| Mercury | 0.20   |           | 0.029 | 0.0067 | mg/Kg | ☼ | 06/23/21 16:00 | 06/23/21 18:58 | 1       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

Client Sample ID: SS-12-0002

Lab Sample ID: 480-186319-15

Date Collected: 06/21/21 11:05

Matrix: Solid

Date Received: 06/21/21 16:14

Percent Solids: 71.0

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

| Analyte                       | Result | Qualifier                  | RL   | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|--------|----------------------------|------|------|-------|---|----------------|----------------|---------|
| 2,4,5-Trichlorophenol         | ND     | F2                         | 240  | 65   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 19:25 | 1       |
| 2,4,6-Trichlorophenol         | ND     | F2                         | 240  | 48   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 19:25 | 1       |
| 2,4-Dichlorophenol            | ND     | F2                         | 240  | 25   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 19:25 | 1       |
| 2,4-Dimethylphenol            | ND     | F1                         | 240  | 58   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 19:25 | 1       |
| 2,4-Dinitrophenol             | ND     | F1                         | 2300 | 1100 | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 19:25 | 1       |
| 2,4-Dinitrotoluene            | ND     | F1 F2                      | 240  | 49   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 19:25 | 1       |
| 2,6-Dinitrotoluene            | ND     | F1 F2                      | 240  | 28   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 19:25 | 1       |
| 2-Chloronaphthalene           | ND     | F1                         | 240  | 39   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 19:25 | 1       |
| 2-Chlorophenol                | ND     | F2                         | 460  | 44   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 19:25 | 1       |
| 2-Methylnaphthalene           | ND     | F1 F2                      | 240  | 48   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 19:25 | 1       |
| 2-Methylphenol                | ND     |                            | 240  | 28   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 19:25 | 1       |
| 2-Nitroaniline                | ND     | F1 F2                      | 460  | 35   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 19:25 | 1       |
| 2-Nitrophenol                 | ND     | F2                         | 240  | 68   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 19:25 | 1       |
| 3,3'-Dichlorobenzidine        | ND     | F2                         | 460  | 280  | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 19:25 | 1       |
| 3-Nitroaniline                | ND     | F1 F2                      | 460  | 66   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 19:25 | 1       |
| 4,6-Dinitro-2-methylphenol    | ND     | F2                         | 460  | 240  | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 19:25 | 1       |
| 4-Bromophenyl phenyl ether    | ND     | F1 F2                      | 240  | 34   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 19:25 | 1       |
| 4-Chloro-3-methylphenol       | ND     |                            | 240  | 59   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 19:25 | 1       |
| 4-Chloroaniline               | ND     | F1 F2                      | 240  | 59   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 19:25 | 1       |
| 4-Chlorophenyl phenyl ether   | ND     | F1 F2                      | 240  | 30   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 19:25 | 1       |
| 4-Methylphenol                | ND     | F1 F2                      | 460  | 28   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 19:25 | 1       |
| 4-Nitroaniline                | ND     | F1                         | 460  | 130  | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 19:25 | 1       |
| 4-Nitrophenol                 | ND     |                            | 460  | 170  | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 19:25 | 1       |
| Acenaphthene                  | 150    | J F1                       | 240  | 35   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 19:25 | 1       |
| Acenaphthylene                | ND     | F1 F2                      | 240  | 31   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 19:25 | 1       |
| Acetophenone                  | 41     | J F2                       | 240  | 32   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 19:25 | 1       |
| Anthracene                    | 250    | F1 F2                      | 240  | 59   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 19:25 | 1       |
| Atrazine                      | ND     | F1 F2                      | 240  | 83   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 19:25 | 1       |
| Benzaldehyde                  | ND     | F2                         | 240  | 190  | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 19:25 | 1       |
| Benzo(a)anthracene            | 1100   | F1 F2                      | 240  | 24   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 19:25 | 1       |
| Benzo(a)pyrene                | 1200   | F1 F2                      | 240  | 35   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 19:25 | 1       |
| Benzo(b)fluoranthene          | 1600   | F1 F2                      | 240  | 38   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 19:25 | 1       |
| Benzo(g,h,i)perylene          | 800    |                            | 240  | 25   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 19:25 | 1       |
| Benzo(k)fluoranthene          | 670    | F2                         | 240  | 31   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 19:25 | 1       |
| Benzoic acid                  | ND     | F1                         | 6800 | 2100 | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 19:25 | 1       |
| Biphenyl                      | ND     | F1 F2                      | 240  | 35   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 19:25 | 1       |
| bis (2-chloroisopropyl) ether | ND     | F2                         | 240  | 48   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 19:25 | 1       |
| Bis(2-chloroethoxy)methane    | ND     | F1 F2                      | 240  | 51   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 19:25 | 1       |
| Bis(2-chloroethyl)ether       | ND     | F2                         | 240  | 31   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 19:25 | 1       |
| Bis(2-ethylhexyl) phthalate   | 91     | J F1 F2                    | 240  | 82   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 19:25 | 1       |
| Butyl benzyl phthalate        | ND     | F1 F2                      | 240  | 39   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 19:25 | 1       |
| Caprolactam                   | ND     | F2                         | 240  | 72   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 19:25 | 1       |
| Carbazole                     | 180    | J F1 F2                    | 240  | 28   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 19:25 | 1       |
| Chrysene                      | 1200   | F1 F2                      | 240  | 53   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 19:25 | 1       |
| Dibenz(a,h)anthracene         | 250    |                            | 240  | 42   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 19:25 | 1       |
| Dibenzofuran                  | 53     | J F1 F2                    | 240  | 28   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 19:25 | 1       |
| Diethyl phthalate             | ND     | F1 F2                      | 240  | 31   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 19:25 | 1       |
| Dimethyl phthalate            | ND     | F1 F2                      | 240  | 28   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 19:25 | 1       |
| Di-n-butyl phthalate          | 240    | <del>150</del> J-B F1 F2 U | 240  | 41   | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 19:25 | 1       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

Client Sample ID: SS-12-0002

Lab Sample ID: 480-186319-15

Date Collected: 06/21/21 11:05

Matrix: Solid

Date Received: 06/21/21 16:14

Percent Solids: 71.0

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

| Analyte                   | Result | Qualifier | RL  | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------------|--------|-----------|-----|-----|-------|---|----------------|----------------|---------|
| Di-n-octyl phthalate      | ND     | F1 F2     | 240 | 28  | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 19:25 | 1       |
| Fluoranthene              | 1800   | F1 F2     | 240 | 25  | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 19:25 | 1       |
| Fluorene                  | 97     | J F1 F2   | 240 | 28  | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 19:25 | 1       |
| Hexachlorobenzene         | ND     | F1 F2     | 240 | 32  | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 19:25 | 1       |
| Hexachlorobutadiene       | ND     |           | 240 | 35  | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 19:25 | 1       |
| Hexachlorocyclopentadiene | ND     |           | 240 | 32  | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 19:25 | 1       |
| Hexachloroethane          | ND     |           | 240 | 31  | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 19:25 | 1       |
| Indeno(1,2,3-cd)pyrene    | 760    |           | 240 | 30  | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 19:25 | 1       |
| Isophorone                | ND     | F1 F2     | 240 | 51  | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 19:25 | 1       |
| Naphthalene               | ND     | F2        | 240 | 31  | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 19:25 | 1       |
| Nitrobenzene              | ND     | F1 F2     | 240 | 27  | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 19:25 | 1       |
| N-Nitrosodi-n-propylamine | ND     |           | 240 | 41  | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 19:25 | 1       |
| N-Nitrosodiphenylamine    | ND     | F2        | 240 | 190 | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 19:25 | 1       |
| Pentachlorophenol         | ND     |           | 460 | 240 | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 19:25 | 1       |
| Phenanthrene              | 1000   | F1 F2     | 240 | 35  | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 19:25 | 1       |
| Phenol                    | ND     | F1        | 240 | 37  | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 19:25 | 1       |
| Pyrene                    | 1500   | F1 F2     | 240 | 28  | ug/Kg | ☼ | 06/28/21 15:04 | 06/30/21 19:25 | 1       |

| Surrogate            | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 2,4,6-Tribromophenol | 71        |           | 54 - 120 | 06/28/21 15:04 | 06/30/21 19:25 | 1       |
| 2-Fluorobiphenyl     | 70        |           | 60 - 120 | 06/28/21 15:04 | 06/30/21 19:25 | 1       |
| 2-Fluorophenol       | 66        |           | 52 - 120 | 06/28/21 15:04 | 06/30/21 19:25 | 1       |
| Nitrobenzene-d5      | 68        |           | 53 - 120 | 06/28/21 15:04 | 06/30/21 19:25 | 1       |
| p-Terphenyl-d14      | 68        | S1-       | 79 - 130 | 06/28/21 15:04 | 06/30/21 19:25 | 1       |
| Phenol-d5            | 66        |           | 54 - 120 | 06/28/21 15:04 | 06/30/21 19:25 | 1       |

## Method: 8081B - Organochlorine Pesticides (GC)

| Analyte             | Result | Qualifier     | RL  | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|--------|---------------|-----|-----|-------|---|----------------|----------------|---------|
| 4,4'-DDD            | ND     | F1            | 46  | 9.0 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 15:08 | 20      |
| 4,4'-DDE            | 18     | J F1          | 46  | 9.7 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 15:08 | 20      |
| 4,4'-DDT            | 46     | F1 J          | 46  | 11  | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 15:08 | 20      |
| Aldrin              | ND     | F1 F2         | 46  | 11  | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 15:08 | 20      |
| alpha-BHC           | ND     | F1            | 46  | 8.3 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 15:08 | 20      |
| beta-BHC            | ND     | F1 F2         | 46  | 8.3 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 15:08 | 20      |
| cis-Chlordane       | ND     | F1            | 46  | 23  | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 15:08 | 20      |
| delta-BHC           | ND     | F1            | 46  | 8.6 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 15:08 | 20      |
| Dieldrin            | 20     | J F1 F2 J     | 46  | 11  | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 15:08 | 20      |
| Endosulfan I        | ND     | F1            | 46  | 8.9 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 15:08 | 20      |
| Endosulfan II       | ND     | F1            | 46  | 8.3 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 15:08 | 20      |
| Endosulfan sulfate  | ND     | F1            | 46  | 8.6 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 15:08 | 20      |
| Endrin              | ND     | F1            | 46  | 9.1 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 15:08 | 20      |
| Endrin aldehyde     | 46     | -26-J F1 B- U | 46  | 12  | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 15:08 | 20      |
| Endrin ketone       | ND     | F1            | 46  | 11  | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 15:08 | 20      |
| gamma-BHC (Lindane) | 46     | -12-J B F2- U | 46  | 8.5 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 15:08 | 20      |
| Heptachlor          | ND     | F1 F2         | 46  | 10  | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 15:08 | 20      |
| Heptachlor epoxide  | ND     | F1            | 46  | 12  | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 15:08 | 20      |
| Methoxychlor        | ND     | F1 UJ         | 46  | 9.4 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 15:08 | 20      |
| Mirex               | ND     |               | 46  | 11  | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 15:08 | 20      |
| Toxaphene           | ND     |               | 460 | 270 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 15:08 | 20      |
| trans-Chlordane     | ND     | F1            | 46  | 15  | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 15:08 | 20      |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

Client Sample ID: SS-12-0002

Lab Sample ID: 480-186319-15

Date Collected: 06/21/21 11:05

Matrix: Solid

Date Received: 06/21/21 16:14

Percent Solids: 71.0

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| DCB Decachlorobiphenyl | 107       |           | 45 - 120 | 06/28/21 07:45 | 06/29/21 15:08 | 20      |
| DCB Decachlorobiphenyl | 400       | S1+       | 45 - 120 | 06/28/21 07:45 | 06/29/21 15:08 | 20      |
| Tetrachloro-m-xylene   | 0         | S1-       | 30 - 124 | 06/28/21 07:45 | 06/29/21 15:08 | 20      |
| Tetrachloro-m-xylene   | 0         | S1-       | 30 - 124 | 06/28/21 07:45 | 06/29/21 15:08 | 20      |

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

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| PCB-1016 | ND     | UJ        | 0.28 | 0.055 | mg/Kg | ☼ | 06/29/21 08:04 | 06/30/21 02:37 | 1       |
| PCB-1221 | ND     |           | 0.28 | 0.055 | mg/Kg | ☼ | 06/29/21 08:04 | 06/30/21 02:37 | 1       |
| PCB-1232 | ND     |           | 0.28 | 0.055 | mg/Kg | ☼ | 06/29/21 08:04 | 06/30/21 02:37 | 1       |
| PCB-1242 | ND     |           | 0.28 | 0.055 | mg/Kg | ☼ | 06/29/21 08:04 | 06/30/21 02:37 | 1       |
| PCB-1248 | ND     |           | 0.28 | 0.055 | mg/Kg | ☼ | 06/29/21 08:04 | 06/30/21 02:37 | 1       |
| PCB-1254 | ND     |           | 0.28 | 0.13  | mg/Kg | ☼ | 06/29/21 08:04 | 06/30/21 02:37 | 1       |
| PCB-1260 | 0.25   | J         | 0.28 | 0.13  | mg/Kg | ☼ | 06/29/21 08:04 | 06/30/21 02:37 | 1       |
| PCB-1262 | ND     |           | 0.28 | 0.13  | mg/Kg | ☼ | 06/29/21 08:04 | 06/30/21 02:37 | 1       |
| PCB-1268 | ND     |           | 0.28 | 0.13  | mg/Kg | ☼ | 06/29/21 08:04 | 06/30/21 02:37 | 1       |

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| Tetrachloro-m-xylene   | 102       |           | 60 - 154 | 06/29/21 08:04 | 06/30/21 02:37 | 1       |
| Tetrachloro-m-xylene   | 111       |           | 60 - 154 | 06/29/21 08:04 | 06/30/21 02:37 | 1       |
| DCB Decachlorobiphenyl | 102       |           | 65 - 174 | 06/29/21 08:04 | 06/30/21 02:37 | 1       |
| DCB Decachlorobiphenyl | 78        |           | 65 - 174 | 06/29/21 08:04 | 06/30/21 02:37 | 1       |

## Method: 6010C - Metals (ICP)

| Analyte   | Result | Qualifier   | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------|--------|-------------|------|-------|-------|---|----------------|----------------|---------|
| Aluminum  | 8880   | F2 F1-J     | 14.9 | 6.5   | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 01:18 | 1       |
| Antimony  | 1.3    | J           | 22.3 | 0.60  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 01:18 | 1       |
| Arsenic   | 4.7    |             | 3.0  | 0.60  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 01:18 | 1       |
| Barium    | 181    | F2 A6+ F1-J | 0.74 | 0.16  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 01:18 | 1       |
| Beryllium | 0.40   |             | 0.30 | 0.042 | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 01:18 | 1       |
| Cadmium   | 4.3    | F2 F1-J     | 0.30 | 0.045 | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 01:18 | 1       |
| Calcium   | 18900  | B           | 74.4 | 4.9   | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 01:18 | 1       |
| Chromium  | 32.5   | F2 F1-J     | 0.74 | 0.30  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 01:18 | 1       |
| Cobalt    | 8.7    | F2-J        | 0.74 | 0.074 | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 01:18 | 1       |
| Copper    | 87.6   | F2 F1-J     | 1.5  | 0.31  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 01:18 | 1       |
| Iron      | 22000  | F2          | 14.9 | 5.2   | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 01:18 | 1       |
| Lead      | 111    | F2 F1-J     | 1.5  | 0.36  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 01:18 | 1       |
| Magnesium | 8650   | B           | 29.8 | 1.4   | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 01:18 | 1       |
| Manganese | 375    | F2 B        | 0.30 | 0.048 | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 01:18 | 1       |
| Nickel    | 37.2   | F2 F1-J     | 7.4  | 0.34  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 01:18 | 1       |
| Potassium | 1900   | F1 B-J      | 44.7 | 29.8  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 01:18 | 1       |
| Selenium  | ND     |             | 6.0  | 0.60  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 01:18 | 1       |
| Silver    | 4.9    | F2 F1-J     | 0.89 | 0.30  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 01:18 | 1       |
| Sodium    | 146    | J B         | 208  | 19.4  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 01:18 | 1       |
| Thallium  | ND     |             | 8.9  | 0.45  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 01:18 | 1       |
| Vanadium  | 23.1   | F1-J        | 0.74 | 0.16  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 01:18 | 1       |
| Zinc      | 416    | F2          | 3.0  | 0.95  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 01:18 | 1       |

## Method: 7471B - Mercury (CVAA)

| Analyte | Result | Qualifier | RL    | MDL    | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------|--------|-----------|-------|--------|-------|---|----------------|----------------|---------|
| Mercury | 1.1    | J         | 0.034 | 0.0079 | mg/Kg | ☼ | 06/23/21 16:00 | 06/23/21 18:59 | 1       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

Client Sample ID: SS-12-0212

Lab Sample ID: 480-186319-16

Date Collected: 06/21/21 11:10

Matrix: Solid

Date Received: 06/21/21 16:14

Percent Solids: 71.7

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

| Analyte                       | Result | Qualifier  | RL   | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|--------|------------|------|------|-------|---|----------------|----------------|---------|
| 2,4,5-Trichlorophenol         | ND     |            | 230  | 63   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 01:23 | 1       |
| 2,4,6-Trichlorophenol         | ND     |            | 230  | 47   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 01:23 | 1       |
| 2,4-Dichlorophenol            | ND     |            | 230  | 25   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 01:23 | 1       |
| 2,4-Dimethylphenol            | ND     |            | 230  | 56   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 01:23 | 1       |
| 2,4-Dinitrophenol             | ND     |            | 2300 | 1100 | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 01:23 | 1       |
| 2,4-Dinitrotoluene            | ND     |            | 230  | 48   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 01:23 | 1       |
| 2,6-Dinitrotoluene            | ND     |            | 230  | 27   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 01:23 | 1       |
| 2-Chloronaphthalene           | ND     |            | 230  | 38   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 01:23 | 1       |
| 2-Chlorophenol                | ND     |            | 450  | 43   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 01:23 | 1       |
| 2-Methylnaphthalene           | ND     |            | 230  | 47   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 01:23 | 1       |
| 2-Methylphenol                | ND     |            | 230  | 27   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 01:23 | 1       |
| 2-Nitroaniline                | ND     |            | 450  | 34   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 01:23 | 1       |
| 2-Nitrophenol                 | ND     |            | 230  | 66   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 01:23 | 1       |
| 3,3'-Dichlorobenzidine        | ND     |            | 450  | 270  | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 01:23 | 1       |
| 3-Nitroaniline                | ND     |            | 450  | 65   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 01:23 | 1       |
| 4,6-Dinitro-2-methylphenol    | ND     |            | 450  | 230  | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 01:23 | 1       |
| 4-Bromophenyl phenyl ether    | ND     |            | 230  | 33   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 01:23 | 1       |
| 4-Chloro-3-methylphenol       | ND     |            | 230  | 58   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 01:23 | 1       |
| 4-Chloroaniline               | ND     |            | 230  | 58   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 01:23 | 1       |
| 4-Chlorophenyl phenyl ether   | ND     |            | 230  | 29   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 01:23 | 1       |
| 4-Methylphenol                | ND     |            | 450  | 27   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 01:23 | 1       |
| 4-Nitroaniline                | ND     |            | 450  | 120  | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 01:23 | 1       |
| 4-Nitrophenol                 | ND     |            | 450  | 160  | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 01:23 | 1       |
| Acenaphthene                  | 120    | J          | 230  | 34   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 01:23 | 1       |
| Acenaphthylene                | ND     |            | 230  | 30   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 01:23 | 1       |
| Acetophenone                  | ND     |            | 230  | 32   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 01:23 | 1       |
| Anthracene                    | 200    | J          | 230  | 58   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 01:23 | 1       |
| Atrazine                      | ND     |            | 230  | 81   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 01:23 | 1       |
| Benzaldehyde                  | ND     |            | 230  | 190  | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 01:23 | 1       |
| Benzo(a)anthracene            | 950    |            | 230  | 23   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 01:23 | 1       |
| Benzo(a)pyrene                | 960    |            | 230  | 34   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 01:23 | 1       |
| Benzo(b)fluoranthene          | 1300   |            | 230  | 37   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 01:23 | 1       |
| Benzo(g,h,i)perylene          | 570    |            | 230  | 25   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 01:23 | 1       |
| Benzo(k)fluoranthene          | 480    |            | 230  | 30   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 01:23 | 1       |
| Benzoic acid                  | ND     |            | 6600 | 2100 | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 01:23 | 1       |
| Biphenyl                      | ND     |            | 230  | 34   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 01:23 | 1       |
| bis (2-chloroisopropyl) ether | ND     |            | 230  | 47   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 01:23 | 1       |
| Bis(2-chloroethoxy)methane    | ND     |            | 230  | 49   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 01:23 | 1       |
| Bis(2-chloroethyl)ether       | ND     |            | 230  | 30   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 01:23 | 1       |
| Bis(2-ethylhexyl) phthalate   | ND     |            | 230  | 80   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 01:23 | 1       |
| Butyl benzyl phthalate        | ND     |            | 230  | 38   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 01:23 | 1       |
| Caprolactam                   | ND     |            | 230  | 70   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 01:23 | 1       |
| Carbazole                     | 140    | J          | 230  | 27   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 01:23 | 1       |
| Chrysene                      | 1100   |            | 230  | 52   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 01:23 | 1       |
| Dibenz(a,h)anthracene         | 210    | J          | 230  | 41   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 01:23 | 1       |
| Dibenzofuran                  | 41     | J          | 230  | 27   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 01:23 | 1       |
| Diethyl phthalate             | ND     |            | 230  | 30   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 01:23 | 1       |
| Dimethyl phthalate            | ND     |            | 230  | 27   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 01:23 | 1       |
| Di-n-butyl phthalate          | 230    | 110-J-B- U | 230  | 40   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 01:23 | 1       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

Client Sample ID: SS-12-0212

Lab Sample ID: 480-186319-16

Date Collected: 06/21/21 11:10

Matrix: Solid

Date Received: 06/21/21 16:14

Percent Solids: 71.7

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

| Analyte                   | Result | Qualifier | RL  | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------------|--------|-----------|-----|-----|-------|---|----------------|----------------|---------|
| Di-n-octyl phthalate      | ND     |           | 230 | 27  | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 01:23 | 1       |
| Fluoranthene              | 1500   |           | 230 | 25  | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 01:23 | 1       |
| Fluorene                  | 71     | J         | 230 | 27  | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 01:23 | 1       |
| Hexachlorobenzene         | ND     |           | 230 | 32  | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 01:23 | 1       |
| Hexachlorobutadiene       | ND     |           | 230 | 34  | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 01:23 | 1       |
| Hexachlorocyclopentadiene | ND     |           | 230 | 32  | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 01:23 | 1       |
| Hexachloroethane          | ND     |           | 230 | 30  | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 01:23 | 1       |
| Indeno(1,2,3-cd)pyrene    | 570    |           | 230 | 29  | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 01:23 | 1       |
| Isophorone                | ND     |           | 230 | 49  | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 01:23 | 1       |
| Naphthalene               | 45     | J         | 230 | 30  | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 01:23 | 1       |
| Nitrobenzene              | ND     |           | 230 | 26  | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 01:23 | 1       |
| N-Nitrosodi-n-propylamine | ND     |           | 230 | 40  | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 01:23 | 1       |
| N-Nitrosodiphenylamine    | ND     |           | 230 | 190 | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 01:23 | 1       |
| Pentachlorophenol         | ND     |           | 450 | 230 | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 01:23 | 1       |
| Phenanthrene              | 770    |           | 230 | 34  | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 01:23 | 1       |
| Phenol                    | ND     |           | 230 | 36  | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 01:23 | 1       |
| Pyrene                    | 1200   |           | 230 | 27  | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 01:23 | 1       |

| Surrogate            | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 2,4,6-Tribromophenol | 61        |           | 54 - 120 | 06/28/21 15:04 | 07/01/21 01:23 | 1       |
| 2-Fluorobiphenyl     | 61        |           | 60 - 120 | 06/28/21 15:04 | 07/01/21 01:23 | 1       |
| 2-Fluorophenol       | 55        |           | 52 - 120 | 06/28/21 15:04 | 07/01/21 01:23 | 1       |
| Nitrobenzene-d5      | 61        |           | 53 - 120 | 06/28/21 15:04 | 07/01/21 01:23 | 1       |
| p-Terphenyl-d14      | 59        | S1-       | 79 - 130 | 06/28/21 15:04 | 07/01/21 01:23 | 1       |
| Phenol-d5            | 55        |           | 54 - 120 | 06/28/21 15:04 | 07/01/21 01:23 | 1       |

## Method: 8081B - Organochlorine Pesticides (GC)

| Analyte             | Result | Qualifier    | RL  | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|--------|--------------|-----|-----|-------|---|----------------|----------------|---------|
| 4,4'-DDD            | 6.4    | J J          | 12  | 2.2 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 20:01 | 5       |
| 4,4'-DDE            | 6.0    | J J          | 12  | 2.4 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 20:01 | 5       |
| 4,4'-DDT            | 20     | NJ           | 12  | 2.7 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 20:01 | 5       |
| Aldrin              | ND     |              | 12  | 2.8 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 20:01 | 5       |
| alpha-BHC           | ND     |              | 12  | 2.1 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 20:01 | 5       |
| beta-BHC            | ND     |              | 12  | 2.1 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 20:01 | 5       |
| cis-Chlordane       | ND     |              | 12  | 5.7 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 20:01 | 5       |
| delta-BHC           | ND     |              | 12  | 2.1 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 20:01 | 5       |
| Dieldrin            | ND     |              | 12  | 2.8 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 20:01 | 5       |
| Endosulfan I        | 2.5    | J            | 12  | 2.2 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 20:01 | 5       |
| Endosulfan II       | ND     |              | 12  | 2.1 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 20:01 | 5       |
| Endosulfan sulfate  | ND     |              | 12  | 2.1 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 20:01 | 5       |
| Endrin              | 3.3    | J            | 12  | 2.3 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 20:01 | 5       |
| Endrin aldehyde     | ND     |              | 12  | 2.9 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 20:01 | 5       |
| Endrin ketone       | ND     |              | 12  | 2.8 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 20:01 | 5       |
| gamma-BHC (Lindane) | 12     | --3.0--J-B U | 12  | 2.1 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 20:01 | 5       |
| Heptachlor          | ND     |              | 12  | 2.5 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 20:01 | 5       |
| Heptachlor epoxide  | ND     |              | 12  | 3.0 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 20:01 | 5       |
| Methoxychlor        | ND     | UJ           | 12  | 2.3 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 20:01 | 5       |
| Mirex               | ND     |              | 12  | 2.8 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 20:01 | 5       |
| Toxaphene           | ND     |              | 120 | 67  | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 20:01 | 5       |
| trans-Chlordane     | 10     | JJ           | 12  | 3.7 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 20:01 | 5       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

Client Sample ID: SS-12-0212

Lab Sample ID: 480-186319-16

Date Collected: 06/21/21 11:10

Matrix: Solid

Date Received: 06/21/21 16:14

Percent Solids: 71.7

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| DCB Decachlorobiphenyl | 94        |           | 45 - 120 | 06/28/21 07:45 | 06/29/21 20:01 | 5       |
| DCB Decachlorobiphenyl | 252       | S1+       | 45 - 120 | 06/28/21 07:45 | 06/29/21 20:01 | 5       |
| Tetrachloro-m-xylene   | 82        |           | 30 - 124 | 06/28/21 07:45 | 06/29/21 20:01 | 5       |
| Tetrachloro-m-xylene   | 68        |           | 30 - 124 | 06/28/21 07:45 | 06/29/21 20:01 | 5       |

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

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| PCB-1016 | ND     | UJ        | 0.32 | 0.062 | mg/Kg | ☼ | 06/29/21 08:04 | 06/30/21 04:20 | 1       |
| PCB-1221 | ND     |           | 0.32 | 0.062 | mg/Kg | ☼ | 06/29/21 08:04 | 06/30/21 04:20 | 1       |
| PCB-1232 | ND     |           | 0.32 | 0.062 | mg/Kg | ☼ | 06/29/21 08:04 | 06/30/21 04:20 | 1       |
| PCB-1242 | ND     |           | 0.32 | 0.062 | mg/Kg | ☼ | 06/29/21 08:04 | 06/30/21 04:20 | 1       |
| PCB-1248 | ND     |           | 0.32 | 0.062 | mg/Kg | ☼ | 06/29/21 08:04 | 06/30/21 04:20 | 1       |
| PCB-1254 | ND     |           | 0.32 | 0.15  | mg/Kg | ☼ | 06/29/21 08:04 | 06/30/21 04:20 | 1       |
| PCB-1260 | 0.32   |           | 0.32 | 0.15  | mg/Kg | ☼ | 06/29/21 08:04 | 06/30/21 04:20 | 1       |
| PCB-1262 | ND     |           | 0.32 | 0.15  | mg/Kg | ☼ | 06/29/21 08:04 | 06/30/21 04:20 | 1       |
| PCB-1268 | ND     |           | 0.32 | 0.15  | mg/Kg | ☼ | 06/29/21 08:04 | 06/30/21 04:20 | 1       |

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| Tetrachloro-m-xylene   | 111       |           | 60 - 154 | 06/29/21 08:04 | 06/30/21 04:20 | 1       |
| Tetrachloro-m-xylene   | 115       |           | 60 - 154 | 06/29/21 08:04 | 06/30/21 04:20 | 1       |
| DCB Decachlorobiphenyl | 103       |           | 65 - 174 | 06/29/21 08:04 | 06/30/21 04:20 | 1       |
| DCB Decachlorobiphenyl | 80        |           | 65 - 174 | 06/29/21 08:04 | 06/30/21 04:20 | 1       |

## Method: 6010C - Metals (ICP)

| Analyte   | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| Aluminum  | 8850   |           | 14.4 | 6.3   | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 01:49 | 1       |
| Antimony  | 1.2    | J         | 21.5 | 0.57  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 01:49 | 1       |
| Arsenic   | 4.7    |           | 2.9  | 0.57  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 01:49 | 1       |
| Barium    | 171    | ^6+       | 0.72 | 0.16  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 01:49 | 1       |
| Beryllium | 0.41   |           | 0.29 | 0.040 | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 01:49 | 1       |
| Cadmium   | 4.7    |           | 0.29 | 0.043 | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 01:49 | 1       |
| Calcium   | 18200  | B         | 71.8 | 4.7   | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 01:49 | 1       |
| Chromium  | 34.0   |           | 0.72 | 0.29  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 01:49 | 1       |
| Cobalt    | 8.6    |           | 0.72 | 0.072 | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 01:49 | 1       |
| Copper    | 92.0   |           | 1.4  | 0.30  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 01:49 | 1       |
| Iron      | 23000  |           | 14.4 | 5.0   | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 01:49 | 1       |
| Lead      | 123    |           | 1.4  | 0.34  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 01:49 | 1       |
| Magnesium | 8960   | B         | 28.7 | 1.3   | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 01:49 | 1       |
| Manganese | 384    | B         | 0.29 | 0.046 | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 01:49 | 1       |
| Nickel    | 36.2   |           | 7.2  | 0.33  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 01:49 | 1       |
| Potassium | 1870   | B         | 43.1 | 28.7  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 01:49 | 1       |
| Selenium  | ND     |           | 5.7  | 0.57  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 01:49 | 1       |
| Silver    | 5.4    |           | 0.86 | 0.29  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 01:49 | 1       |
| Sodium    | 134    | J B       | 201  | 18.7  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 01:49 | 1       |
| Thallium  | ND     |           | 8.6  | 0.43  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 01:49 | 1       |
| Vanadium  | 23.5   |           | 0.72 | 0.16  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 01:49 | 1       |
| Zinc      | 417    |           | 2.9  | 0.92  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 01:49 | 1       |

## Method: 7471B - Mercury (CVAA)

| Analyte | Result | Qualifier | RL    | MDL    | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------|--------|-----------|-------|--------|-------|---|----------------|----------------|---------|
| Mercury | 1.2    |           | 0.026 | 0.0061 | mg/Kg | ☼ | 06/24/21 17:36 | 06/24/21 19:05 | 1       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

Client Sample ID: SS-14-0002

Lab Sample ID: 480-186319-17

Date Collected: 06/21/21 08:40

Matrix: Solid

Date Received: 06/21/21 16:14

Percent Solids: 58.8

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

| Analyte                       | Result | Qualifier    | RL   | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|--------|--------------|------|------|-------|---|----------------|----------------|---------|
| 2,4,5-Trichlorophenol         | ND     |              | 280  | 76   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 01:47 | 1       |
| 2,4,6-Trichlorophenol         | ND     |              | 280  | 56   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 01:47 | 1       |
| 2,4-Dichlorophenol            | ND     |              | 280  | 30   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 01:47 | 1       |
| 2,4-Dimethylphenol            | ND     |              | 280  | 68   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 01:47 | 1       |
| 2,4-Dinitrophenol             | ND     |              | 2700 | 1300 | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 01:47 | 1       |
| 2,4-Dinitrotoluene            | ND     |              | 280  | 58   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 01:47 | 1       |
| 2,6-Dinitrotoluene            | ND     |              | 280  | 33   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 01:47 | 1       |
| 2-Chloronaphthalene           | ND     |              | 280  | 46   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 01:47 | 1       |
| 2-Chlorophenol                | ND     |              | 550  | 51   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 01:47 | 1       |
| 2-Methylnaphthalene           | ND     |              | 280  | 56   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 01:47 | 1       |
| 2-Methylphenol                | ND     |              | 280  | 33   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 01:47 | 1       |
| 2-Nitroaniline                | ND     |              | 550  | 41   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 01:47 | 1       |
| 2-Nitrophenol                 | ND     |              | 280  | 79   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 01:47 | 1       |
| 3,3'-Dichlorobenzidine        | ND     |              | 550  | 330  | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 01:47 | 1       |
| 3-Nitroaniline                | ND     |              | 550  | 78   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 01:47 | 1       |
| 4,6-Dinitro-2-methylphenol    | ND     |              | 550  | 280  | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 01:47 | 1       |
| 4-Bromophenyl phenyl ether    | ND     |              | 280  | 40   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 01:47 | 1       |
| 4-Chloro-3-methylphenol       | ND     |              | 280  | 69   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 01:47 | 1       |
| 4-Chloroaniline               | ND     |              | 280  | 69   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 01:47 | 1       |
| 4-Chlorophenyl phenyl ether   | ND     |              | 280  | 35   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 01:47 | 1       |
| 4-Methylphenol                | ND     |              | 550  | 33   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 01:47 | 1       |
| 4-Nitroaniline                | ND     |              | 550  | 150  | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 01:47 | 1       |
| 4-Nitrophenol                 | ND     |              | 550  | 200  | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 01:47 | 1       |
| Acenaphthene                  | ND     |              | 280  | 41   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 01:47 | 1       |
| Acenaphthylene                | ND     |              | 280  | 36   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 01:47 | 1       |
| Acetophenone                  | ND     |              | 280  | 38   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 01:47 | 1       |
| Anthracene                    | ND     |              | 280  | 69   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 01:47 | 1       |
| Atrazine                      | ND     |              | 280  | 98   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 01:47 | 1       |
| Benzaldehyde                  | ND     |              | 280  | 220  | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 01:47 | 1       |
| Benzo(a)anthracene            | ND     |              | 280  | 28   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 01:47 | 1       |
| Benzo(a)pyrene                | 45 J   |              | 280  | 41   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 01:47 | 1       |
| Benzo(b)fluoranthene          | 60 J   |              | 280  | 45   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 01:47 | 1       |
| Benzo(g,h,i)perylene          | ND     |              | 280  | 30   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 01:47 | 1       |
| Benzo(k)fluoranthene          | ND     |              | 280  | 36   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 01:47 | 1       |
| Benzoic acid                  | ND     |              | 7900 | 2500 | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 01:47 | 1       |
| Biphenyl                      | ND     |              | 280  | 41   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 01:47 | 1       |
| bis (2-chloroisopropyl) ether | ND     |              | 280  | 56   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 01:47 | 1       |
| Bis(2-chloroethoxy)methane    | ND     |              | 280  | 60   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 01:47 | 1       |
| Bis(2-chloroethyl)ether       | ND     |              | 280  | 36   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 01:47 | 1       |
| Bis(2-ethylhexyl) phthalate   | ND     |              | 280  | 96   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 01:47 | 1       |
| Butyl benzyl phthalate        | ND     |              | 280  | 46   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 01:47 | 1       |
| Caprolactam                   | ND     |              | 280  | 84   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 01:47 | 1       |
| Carbazole                     | ND     |              | 280  | 33   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 01:47 | 1       |
| Chrysene                      | ND     |              | 280  | 63   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 01:47 | 1       |
| Dibenz(a,h)anthracene         | ND     |              | 280  | 50   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 01:47 | 1       |
| Dibenzofuran                  | ND     |              | 280  | 33   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 01:47 | 1       |
| Diethyl phthalate             | ND     |              | 280  | 36   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 01:47 | 1       |
| Dimethyl phthalate            | ND     |              | 280  | 33   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 01:47 | 1       |
| Di-n-butyl phthalate          | 280    | 150--J B-- U | 280  | 48   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 01:47 | 1       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

Client Sample ID: SS-14-0002

Lab Sample ID: 480-186319-17

Date Collected: 06/21/21 08:40

Matrix: Solid

Date Received: 06/21/21 16:14

Percent Solids: 58.8

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

| Analyte                   | Result    | Qualifier | RL  | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------------|-----------|-----------|-----|-----|-------|---|----------------|----------------|---------|
| Di-n-octyl phthalate      | ND        |           | 280 | 33  | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 01:47 | 1       |
| <b>Fluoranthene</b>       | <b>73</b> | <b>J</b>  | 280 | 30  | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 01:47 | 1       |
| Fluorene                  | ND        |           | 280 | 33  | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 01:47 | 1       |
| Hexachlorobenzene         | ND        |           | 280 | 38  | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 01:47 | 1       |
| Hexachlorobutadiene       | ND        |           | 280 | 41  | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 01:47 | 1       |
| Hexachlorocyclopentadiene | ND        |           | 280 | 38  | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 01:47 | 1       |
| Hexachloroethane          | ND        |           | 280 | 36  | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 01:47 | 1       |
| Indeno(1,2,3-cd)pyrene    | ND        |           | 280 | 35  | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 01:47 | 1       |
| Isophorone                | ND        |           | 280 | 60  | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 01:47 | 1       |
| Naphthalene               | ND        |           | 280 | 36  | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 01:47 | 1       |
| Nitrobenzene              | ND        |           | 280 | 31  | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 01:47 | 1       |
| N-Nitrosodi-n-propylamine | ND        |           | 280 | 48  | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 01:47 | 1       |
| N-Nitrosodiphenylamine    | ND        |           | 280 | 230 | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 01:47 | 1       |
| Pentachlorophenol         | ND        |           | 550 | 280 | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 01:47 | 1       |
| Phenanthrene              | ND        |           | 280 | 41  | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 01:47 | 1       |
| Phenol                    | ND        |           | 280 | 43  | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 01:47 | 1       |
| <b>Pyrene</b>             | <b>53</b> | <b>J</b>  | 280 | 33  | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 01:47 | 1       |

| Surrogate            | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 2,4,6-Tribromophenol | 93        |           | 54 - 120 | 06/28/21 15:04 | 07/01/21 01:47 | 1       |
| 2-Fluorobiphenyl     | 85        |           | 60 - 120 | 06/28/21 15:04 | 07/01/21 01:47 | 1       |
| 2-Fluorophenol       | 70        |           | 52 - 120 | 06/28/21 15:04 | 07/01/21 01:47 | 1       |
| Nitrobenzene-d5      | 79        |           | 53 - 120 | 06/28/21 15:04 | 07/01/21 01:47 | 1       |
| p-Terphenyl-d14      | 98        |           | 79 - 130 | 06/28/21 15:04 | 07/01/21 01:47 | 1       |
| Phenol-d5            | 79        |           | 54 - 120 | 06/28/21 15:04 | 07/01/21 01:47 | 1       |

## Method: 8081B - Organochlorine Pesticides (GC)

| Analyte                    | Result     | Qualifier           | RL  | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------------------------|------------|---------------------|-----|-----|-------|---|----------------|----------------|---------|
| 4,4'-DDD                   | ND         |                     | 14  | 2.7 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 20:40 | 5       |
| 4,4'-DDE                   | ND         |                     | 14  | 2.9 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 20:40 | 5       |
| <b>4,4'-DDT</b>            | <b>14</b>  | <b>-10--J-- UJ</b>  | 14  | 3.2 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 20:40 | 5       |
| Aldrin                     | ND         |                     | 14  | 3.4 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 20:40 | 5       |
| alpha-BHC                  | ND         |                     | 14  | 2.5 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 20:40 | 5       |
| <b>beta-BHC</b>            | <b>4.8</b> | <b>J</b>            | 14  | 2.5 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 20:40 | 5       |
| cis-Chlordane              | ND         |                     | 14  | 6.9 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 20:40 | 5       |
| <b>delta-BHC</b>           | <b>14</b>  | <b>-3.8--J B U</b>  | 14  | 2.6 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 20:40 | 5       |
| Dieldrin                   | ND         |                     | 14  | 3.3 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 20:40 | 5       |
| Endosulfan I               | ND         |                     | 14  | 2.6 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 20:40 | 5       |
| Endosulfan II              | ND         |                     | 14  | 2.5 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 20:40 | 5       |
| Endosulfan sulfate         | ND         |                     | 14  | 2.6 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 20:40 | 5       |
| Endrin                     | ND         |                     | 14  | 2.7 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 20:40 | 5       |
| <b>Endrin aldehyde</b>     | <b>14</b>  | <b>-4.7--J B- U</b> | 14  | 3.5 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 20:40 | 5       |
| Endrin ketone              | ND         |                     | 14  | 3.4 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 20:40 | 5       |
| <b>gamma-BHC (Lindane)</b> | <b>14</b>  | <b>-4.1--J B--U</b> | 14  | 2.5 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 20:40 | 5       |
| Heptachlor                 | ND         |                     | 14  | 3.0 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 20:40 | 5       |
| Heptachlor epoxide         | ND         |                     | 14  | 3.6 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 20:40 | 5       |
| <b>Methoxychlor</b>        | <b>8.7</b> | <b>J-- J</b>        | 14  | 2.8 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 20:40 | 5       |
| Mirex                      | ND         |                     | 14  | 3.4 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 20:40 | 5       |
| Toxaphene                  | ND         |                     | 140 | 80  | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 20:40 | 5       |
| trans-Chlordane            | ND         |                     | 14  | 4.4 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 20:40 | 5       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

**Client Sample ID: SS-14-0002**

**Lab Sample ID: 480-186319-17**

**Date Collected: 06/21/21 08:40**

**Matrix: Solid**

**Date Received: 06/21/21 16:14**

**Percent Solids: 58.8**

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| DCB Decachlorobiphenyl | 100       |           | 45 - 120 | 06/28/21 07:45 | 06/29/21 20:40 | 5       |
| DCB Decachlorobiphenyl | 100       |           | 45 - 120 | 06/28/21 07:45 | 06/29/21 20:40 | 5       |
| Tetrachloro-m-xylene   | 118       |           | 30 - 124 | 06/28/21 07:45 | 06/29/21 20:40 | 5       |
| Tetrachloro-m-xylene   | 86        |           | 30 - 124 | 06/28/21 07:45 | 06/29/21 20:40 | 5       |

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

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| PCB-1016 | ND     | UJ        | 0.32 | 0.063 | mg/Kg | ☼ | 06/29/21 08:04 | 06/30/21 04:32 | 1       |
| PCB-1221 | ND     |           | 0.32 | 0.063 | mg/Kg | ☼ | 06/29/21 08:04 | 06/30/21 04:32 | 1       |
| PCB-1232 | ND     |           | 0.32 | 0.063 | mg/Kg | ☼ | 06/29/21 08:04 | 06/30/21 04:32 | 1       |
| PCB-1242 | ND     |           | 0.32 | 0.063 | mg/Kg | ☼ | 06/29/21 08:04 | 06/30/21 04:32 | 1       |
| PCB-1248 | ND     |           | 0.32 | 0.063 | mg/Kg | ☼ | 06/29/21 08:04 | 06/30/21 04:32 | 1       |
| PCB-1254 | ND     |           | 0.32 | 0.15  | mg/Kg | ☼ | 06/29/21 08:04 | 06/30/21 04:32 | 1       |
| PCB-1260 | ND     |           | 0.32 | 0.15  | mg/Kg | ☼ | 06/29/21 08:04 | 06/30/21 04:32 | 1       |
| PCB-1262 | ND     |           | 0.32 | 0.15  | mg/Kg | ☼ | 06/29/21 08:04 | 06/30/21 04:32 | 1       |
| PCB-1268 | ND     |           | 0.32 | 0.15  | mg/Kg | ☼ | 06/29/21 08:04 | 06/30/21 04:32 | 1       |

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| Tetrachloro-m-xylene   | 129       |           | 60 - 154 | 06/29/21 08:04 | 06/30/21 04:32 | 1       |
| Tetrachloro-m-xylene   | 132       |           | 60 - 154 | 06/29/21 08:04 | 06/30/21 04:32 | 1       |
| DCB Decachlorobiphenyl | 121       |           | 65 - 174 | 06/29/21 08:04 | 06/30/21 04:32 | 1       |
| DCB Decachlorobiphenyl | 96        |           | 65 - 174 | 06/29/21 08:04 | 06/30/21 04:32 | 1       |

## Method: 6010C - Metals (ICP)

| Analyte   | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| Aluminum  | 19400  |           | 17.4 | 7.7   | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 01:52 | 1       |
| Antimony  | ND     |           | 26.2 | 0.70  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 01:52 | 1       |
| Arsenic   | 6.8    |           | 3.5  | 0.70  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 01:52 | 1       |
| Barium    | 118    | ^6+       | 0.87 | 0.19  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 01:52 | 1       |
| Beryllium | 0.87   |           | 0.35 | 0.049 | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 01:52 | 1       |
| Cadmium   | 0.48   |           | 0.35 | 0.052 | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 01:52 | 1       |
| Calcium   | 51900  | B         | 87.2 | 5.8   | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 01:52 | 1       |
| Chromium  | 27.4   |           | 0.87 | 0.35  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 01:52 | 1       |
| Cobalt    | 13.6   |           | 0.87 | 0.087 | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 01:52 | 1       |
| Copper    | 24.5   |           | 1.7  | 0.37  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 01:52 | 1       |
| Iron      | 27500  |           | 17.4 | 6.1   | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 01:52 | 1       |
| Lead      | 21.1   |           | 1.7  | 0.42  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 01:52 | 1       |
| Magnesium | 18300  | B         | 34.9 | 1.6   | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 01:52 | 1       |
| Manganese | 606    | B         | 0.35 | 0.056 | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 01:52 | 1       |
| Nickel    | 31.1   |           | 8.7  | 0.40  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 01:52 | 1       |
| Potassium | 5050   | B         | 52.3 | 34.9  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 01:52 | 1       |
| Selenium  | ND     |           | 7.0  | 0.70  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 01:52 | 1       |
| Silver    | 0.61   | J         | 1.0  | 0.35  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 01:52 | 1       |
| Sodium    | 285    | B         | 244  | 22.7  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 01:52 | 1       |
| Thallium  | ND     |           | 10.5 | 0.52  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 01:52 | 1       |
| Vanadium  | 45.1   |           | 0.87 | 0.19  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 01:52 | 1       |
| Zinc      | 128    |           | 3.5  | 1.1   | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 01:52 | 1       |

## Method: 7471B - Mercury (CVAA)

| Analyte | Result | Qualifier | RL    | MDL    | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------|--------|-----------|-------|--------|-------|---|----------------|----------------|---------|
| Mercury | 0.080  |           | 0.032 | 0.0073 | mg/Kg | ☼ | 06/24/21 17:36 | 06/24/21 19:07 | 1       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

Client Sample ID: SS-14-0212

Lab Sample ID: 480-186319-18

Date Collected: 06/21/21 08:47

Matrix: Solid

Date Received: 06/21/21 16:14

Percent Solids: 83.0

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

| Analyte                       | Result | Qualifier  | RL   | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|--------|------------|------|------|-------|---|----------------|----------------|---------|
| 2,4,5-Trichlorophenol         | ND     |            | 200  | 55   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 02:11 | 1       |
| 2,4,6-Trichlorophenol         | ND     |            | 200  | 41   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 02:11 | 1       |
| 2,4-Dichlorophenol            | ND     |            | 200  | 21   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 02:11 | 1       |
| 2,4-Dimethylphenol            | ND     |            | 200  | 49   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 02:11 | 1       |
| 2,4-Dinitrophenol             | ND     |            | 2000 | 940  | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 02:11 | 1       |
| 2,4-Dinitrotoluene            | ND     |            | 200  | 42   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 02:11 | 1       |
| 2,6-Dinitrotoluene            | ND     |            | 200  | 24   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 02:11 | 1       |
| 2-Chloronaphthalene           | ND     |            | 200  | 33   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 02:11 | 1       |
| 2-Chlorophenol                | ND     |            | 390  | 37   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 02:11 | 1       |
| 2-Methylnaphthalene           | ND     |            | 200  | 41   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 02:11 | 1       |
| 2-Methylphenol                | ND     |            | 200  | 24   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 02:11 | 1       |
| 2-Nitroaniline                | ND     |            | 390  | 30   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 02:11 | 1       |
| 2-Nitrophenol                 | ND     |            | 200  | 57   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 02:11 | 1       |
| 3,3'-Dichlorobenzidine        | ND     |            | 390  | 240  | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 02:11 | 1       |
| 3-Nitroaniline                | ND     |            | 390  | 56   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 02:11 | 1       |
| 4,6-Dinitro-2-methylphenol    | ND     |            | 390  | 200  | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 02:11 | 1       |
| 4-Bromophenyl phenyl ether    | ND     |            | 200  | 29   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 02:11 | 1       |
| 4-Chloro-3-methylphenol       | ND     |            | 200  | 50   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 02:11 | 1       |
| 4-Chloroaniline               | ND     |            | 200  | 50   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 02:11 | 1       |
| 4-Chlorophenyl phenyl ether   | ND     |            | 200  | 25   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 02:11 | 1       |
| 4-Methylphenol                | ND     |            | 390  | 24   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 02:11 | 1       |
| 4-Nitroaniline                | ND     |            | 390  | 110  | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 02:11 | 1       |
| 4-Nitrophenol                 | ND     |            | 390  | 140  | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 02:11 | 1       |
| Acenaphthene                  | ND     |            | 200  | 30   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 02:11 | 1       |
| Acenaphthylene                | ND     |            | 200  | 26   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 02:11 | 1       |
| Acetophenone                  | ND     |            | 200  | 27   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 02:11 | 1       |
| Anthracene                    | ND     |            | 200  | 50   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 02:11 | 1       |
| Atrazine                      | ND     |            | 200  | 70   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 02:11 | 1       |
| Benzaldehyde                  | ND     |            | 200  | 160  | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 02:11 | 1       |
| Benzo(a)anthracene            | ND     |            | 200  | 20   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 02:11 | 1       |
| Benzo(a)pyrene                | ND     |            | 200  | 30   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 02:11 | 1       |
| Benzo(b)fluoranthene          | ND     |            | 200  | 32   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 02:11 | 1       |
| Benzo(g,h,i)perylene          | ND     |            | 200  | 21   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 02:11 | 1       |
| Benzo(k)fluoranthene          | ND     |            | 200  | 26   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 02:11 | 1       |
| Benzoic acid                  | ND     |            | 5700 | 1800 | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 02:11 | 1       |
| Biphenyl                      | ND     |            | 200  | 30   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 02:11 | 1       |
| bis (2-chloroisopropyl) ether | ND     |            | 200  | 41   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 02:11 | 1       |
| Bis(2-chloroethoxy)methane    | ND     |            | 200  | 43   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 02:11 | 1       |
| Bis(2-chloroethyl)ether       | ND     |            | 200  | 26   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 02:11 | 1       |
| Bis(2-ethylhexyl) phthalate   | ND     |            | 200  | 69   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 02:11 | 1       |
| Butyl benzyl phthalate        | ND     |            | 200  | 33   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 02:11 | 1       |
| Caprolactam                   | ND     |            | 200  | 61   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 02:11 | 1       |
| Carbazole                     | ND     |            | 200  | 24   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 02:11 | 1       |
| Chrysene                      | ND     |            | 200  | 45   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 02:11 | 1       |
| Dibenz(a,h)anthracene         | ND     |            | 200  | 36   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 02:11 | 1       |
| Dibenzofuran                  | ND     |            | 200  | 24   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 02:11 | 1       |
| Diethyl phthalate             | ND     |            | 200  | 26   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 02:11 | 1       |
| Dimethyl phthalate            | ND     |            | 200  | 24   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 02:11 | 1       |
| Di-n-butyl phthalate          | 200    | 120-J-B- U | 200  | 35   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 02:11 | 1       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

Client Sample ID: SS-14-0212

Lab Sample ID: 480-186319-18

Date Collected: 06/21/21 08:47

Matrix: Solid

Date Received: 06/21/21 16:14

Percent Solids: 83.0

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

| Analyte                   | Result | Qualifier | RL  | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------------|--------|-----------|-----|-----|-------|---|----------------|----------------|---------|
| Di-n-octyl phthalate      | ND     |           | 200 | 24  | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 02:11 | 1       |
| Fluoranthene              | 30     | J         | 200 | 21  | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 02:11 | 1       |
| Fluorene                  | ND     |           | 200 | 24  | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 02:11 | 1       |
| Hexachlorobenzene         | ND     |           | 200 | 27  | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 02:11 | 1       |
| Hexachlorobutadiene       | ND     |           | 200 | 30  | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 02:11 | 1       |
| Hexachlorocyclopentadiene | ND     |           | 200 | 27  | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 02:11 | 1       |
| Hexachloroethane          | ND     |           | 200 | 26  | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 02:11 | 1       |
| Indeno(1,2,3-cd)pyrene    | ND     |           | 200 | 25  | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 02:11 | 1       |
| Isophorone                | ND     |           | 200 | 43  | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 02:11 | 1       |
| Naphthalene               | ND     |           | 200 | 26  | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 02:11 | 1       |
| Nitrobenzene              | ND     |           | 200 | 23  | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 02:11 | 1       |
| N-Nitrosodi-n-propylamine | ND     |           | 200 | 35  | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 02:11 | 1       |
| N-Nitrosodiphenylamine    | ND     |           | 200 | 160 | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 02:11 | 1       |
| Pentachlorophenol         | ND     |           | 390 | 200 | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 02:11 | 1       |
| Phenanthrene              | ND     |           | 200 | 30  | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 02:11 | 1       |
| Phenol                    | ND     |           | 200 | 31  | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 02:11 | 1       |
| Pyrene                    | ND     |           | 200 | 24  | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 02:11 | 1       |

| Surrogate            | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 2,4,6-Tribromophenol | 68        |           | 54 - 120 | 06/28/21 15:04 | 07/01/21 02:11 | 1       |
| 2-Fluorobiphenyl     | 65        |           | 60 - 120 | 06/28/21 15:04 | 07/01/21 02:11 | 1       |
| 2-Fluorophenol       | 61        |           | 52 - 120 | 06/28/21 15:04 | 07/01/21 02:11 | 1       |
| Nitrobenzene-d5      | 64        |           | 53 - 120 | 06/28/21 15:04 | 07/01/21 02:11 | 1       |
| p-Terphenyl-d14      | 73        | S1-       | 79 - 130 | 06/28/21 15:04 | 07/01/21 02:11 | 1       |
| Phenol-d5            | 65        |           | 54 - 120 | 06/28/21 15:04 | 07/01/21 02:11 | 1       |

## Method: 8081B - Organochlorine Pesticides (GC)

| Analyte             | Result | Qualifier | RL  | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|--------|-----------|-----|------|-------|---|----------------|----------------|---------|
| 4,4'-DDD            | 0.87   | J- J      | 2.0 | 0.39 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 20:59 | 1       |
| 4,4'-DDE            | 1.2    | J- J      | 2.0 | 0.42 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 20:59 | 1       |
| 4,4'-DDT            | 2.0    | J- UJ     | 2.0 | 0.47 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 20:59 | 1       |
| Aldrin              | ND     |           | 2.0 | 0.49 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 20:59 | 1       |
| alpha-BHC           | ND     |           | 2.0 | 0.36 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 20:59 | 1       |
| beta-BHC            | ND     |           | 2.0 | 0.36 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 20:59 | 1       |
| cis-Chlordane       | ND     |           | 2.0 | 1.0  | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 20:59 | 1       |
| delta-BHC           | ND     |           | 2.0 | 0.37 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 20:59 | 1       |
| Dieldrin            | ND     |           | 2.0 | 0.48 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 20:59 | 1       |
| Endosulfan I        | ND     |           | 2.0 | 0.39 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 20:59 | 1       |
| Endosulfan II       | 0.49   | J         | 2.0 | 0.36 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 20:59 | 1       |
| Endosulfan sulfate  | ND     |           | 2.0 | 0.37 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 20:59 | 1       |
| Endrin              | ND     |           | 2.0 | 0.40 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 20:59 | 1       |
| Endrin aldehyde     | 2.0    | J-B-U     | 2.0 | 0.51 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 20:59 | 1       |
| Endrin ketone       | ND     |           | 2.0 | 0.49 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 20:59 | 1       |
| gamma-BHC (Lindane) | 2.0    | J-B-U     | 2.0 | 0.37 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 20:59 | 1       |
| Heptachlor          | ND     |           | 2.0 | 0.43 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 20:59 | 1       |
| Heptachlor epoxide  | ND     |           | 2.0 | 0.52 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 20:59 | 1       |
| Methoxychlor        | 1.6    | J-J       | 2.0 | 0.41 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 20:59 | 1       |
| Mirex               | ND     |           | 2.0 | 0.49 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 20:59 | 1       |
| Toxaphene           | ND     |           | 20  | 12   | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 20:59 | 1       |
| trans-Chlordane     | ND     |           | 2.0 | 0.64 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 20:59 | 1       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

**Client Sample ID: SS-14-0212**

**Date Collected: 06/21/21 08:47**

**Date Received: 06/21/21 16:14**

**Lab Sample ID: 480-186319-18**

**Matrix: Solid**

**Percent Solids: 83.0**

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| DCB Decachlorobiphenyl | 73        |           | 45 - 120 | 06/28/21 07:45 | 06/29/21 20:59 | 1       |
| DCB Decachlorobiphenyl | 80        |           | 45 - 120 | 06/28/21 07:45 | 06/29/21 20:59 | 1       |
| Tetrachloro-m-xylene   | 74        |           | 30 - 124 | 06/28/21 07:45 | 06/29/21 20:59 | 1       |
| Tetrachloro-m-xylene   | 53        |           | 30 - 124 | 06/28/21 07:45 | 06/29/21 20:59 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| PCB-1016 | ND     |           | 0.24 | 0.047 | mg/Kg | ☼ | 06/29/21 08:04 | 06/30/21 05:11 | 1       |
| PCB-1221 | ND     |           | 0.24 | 0.047 | mg/Kg | ☼ | 06/29/21 08:04 | 06/30/21 05:11 | 1       |
| PCB-1232 | ND     |           | 0.24 | 0.047 | mg/Kg | ☼ | 06/29/21 08:04 | 06/30/21 05:11 | 1       |
| PCB-1242 | ND     |           | 0.24 | 0.047 | mg/Kg | ☼ | 06/29/21 08:04 | 06/30/21 05:11 | 1       |
| PCB-1248 | ND     |           | 0.24 | 0.047 | mg/Kg | ☼ | 06/29/21 08:04 | 06/30/21 05:11 | 1       |
| PCB-1254 | ND     |           | 0.24 | 0.11  | mg/Kg | ☼ | 06/29/21 08:04 | 06/30/21 05:11 | 1       |
| PCB-1260 | ND     |           | 0.24 | 0.11  | mg/Kg | ☼ | 06/29/21 08:04 | 06/30/21 05:11 | 1       |
| PCB-1262 | ND     |           | 0.24 | 0.11  | mg/Kg | ☼ | 06/29/21 08:04 | 06/30/21 05:11 | 1       |
| PCB-1268 | ND     |           | 0.24 | 0.11  | mg/Kg | ☼ | 06/29/21 08:04 | 06/30/21 05:11 | 1       |

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| Tetrachloro-m-xylene   | 130       |           | 60 - 154 | 06/29/21 08:04 | 06/30/21 05:11 | 1       |
| Tetrachloro-m-xylene   | 137       |           | 60 - 154 | 06/29/21 08:04 | 06/30/21 05:11 | 1       |
| DCB Decachlorobiphenyl | 126       |           | 65 - 174 | 06/29/21 08:04 | 06/30/21 05:11 | 1       |
| DCB Decachlorobiphenyl | 125       |           | 65 - 174 | 06/29/21 08:04 | 06/30/21 05:11 | 1       |

## Method: 6010C - Metals (ICP)

| Analyte   | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| Aluminum  | 14300  |           | 11.7 | 5.1   | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 01:56 | 1       |
| Antimony  | ND     |           | 17.5 | 0.47  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 01:56 | 1       |
| Arsenic   | 5.9    |           | 2.3  | 0.47  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 01:56 | 1       |
| Barium    | 90.2   | ^6+       | 0.58 | 0.13  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 01:56 | 1       |
| Beryllium | 0.62   |           | 0.23 | 0.033 | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 01:56 | 1       |
| Cadmium   | 0.34   |           | 0.23 | 0.035 | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 01:56 | 1       |
| Calcium   | 48200  | B         | 58.4 | 3.9   | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 01:56 | 1       |
| Chromium  | 21.5   |           | 0.58 | 0.23  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 01:56 | 1       |
| Cobalt    | 10.3   |           | 0.58 | 0.058 | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 01:56 | 1       |
| Copper    | 15.6   |           | 1.2  | 0.25  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 01:56 | 1       |
| Iron      | 19600  |           | 11.7 | 4.1   | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 01:56 | 1       |
| Lead      | 23.1   |           | 1.2  | 0.28  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 01:56 | 1       |
| Magnesium | 11900  | B         | 23.4 | 1.1   | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 01:56 | 1       |
| Manganese | 644    | B         | 0.23 | 0.037 | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 01:56 | 1       |
| Nickel    | 23.0   |           | 5.8  | 0.27  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 01:56 | 1       |
| Potassium | 3640   | B         | 35.0 | 23.4  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 01:56 | 1       |
| Selenium  | ND     |           | 4.7  | 0.47  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 01:56 | 1       |
| Silver    | ND     |           | 0.70 | 0.23  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 01:56 | 1       |
| Sodium    | 195    | B         | 163  | 15.2  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 01:56 | 1       |
| Thallium  | ND     |           | 7.0  | 0.35  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 01:56 | 1       |
| Vanadium  | 31.6   |           | 0.58 | 0.13  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 01:56 | 1       |
| Zinc      | 55.4   |           | 2.3  | 0.75  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 01:56 | 1       |

## Method: 7471B - Mercury (CVAA)

| Analyte | Result | Qualifier | RL    | MDL    | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------|--------|-----------|-------|--------|-------|---|----------------|----------------|---------|
| Mercury | 0.11   |           | 0.026 | 0.0061 | mg/Kg | ☼ | 06/24/21 17:36 | 06/24/21 19:08 | 1       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

Client Sample ID: SS-15-0002

Lab Sample ID: 480-186319-19

Date Collected: 06/21/21 12:05

Matrix: Solid

Date Received: 06/21/21 16:14

Percent Solids: 61.3

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

| Analyte                       | Result        | Qualifier | RL   | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|---------------|-----------|------|------|-------|---|----------------|----------------|---------|
| 2,4,5-Trichlorophenol         | ND            |           | 270  | 73   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 02:35 | 1       |
| 2,4,6-Trichlorophenol         | ND            |           | 270  | 54   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 02:35 | 1       |
| 2,4-Dichlorophenol            | ND            |           | 270  | 28   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 02:35 | 1       |
| 2,4-Dimethylphenol            | ND            |           | 270  | 65   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 02:35 | 1       |
| 2,4-Dinitrophenol             | ND            |           | 2600 | 1200 | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 02:35 | 1       |
| 2,4-Dinitrotoluene            | ND            |           | 270  | 55   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 02:35 | 1       |
| 2,6-Dinitrotoluene            | ND            |           | 270  | 32   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 02:35 | 1       |
| 2-Chloronaphthalene           | ND            |           | 270  | 44   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 02:35 | 1       |
| 2-Chlorophenol                | ND            |           | 520  | 49   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 02:35 | 1       |
| 2-Methylnaphthalene           | ND            |           | 270  | 54   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 02:35 | 1       |
| 2-Methylphenol                | ND            |           | 270  | 32   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 02:35 | 1       |
| 2-Nitroaniline                | ND            |           | 520  | 40   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 02:35 | 1       |
| 2-Nitrophenol                 | ND            |           | 270  | 76   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 02:35 | 1       |
| 3,3'-Dichlorobenzidine        | ND            |           | 520  | 320  | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 02:35 | 1       |
| 3-Nitroaniline                | ND            |           | 520  | 74   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 02:35 | 1       |
| 4,6-Dinitro-2-methylphenol    | ND            |           | 520  | 270  | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 02:35 | 1       |
| 4-Bromophenyl phenyl ether    | ND            |           | 270  | 38   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 02:35 | 1       |
| 4-Chloro-3-methylphenol       | ND            |           | 270  | 66   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 02:35 | 1       |
| 4-Chloroaniline               | ND            |           | 270  | 66   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 02:35 | 1       |
| 4-Chlorophenyl phenyl ether   | ND            |           | 270  | 33   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 02:35 | 1       |
| 4-Methylphenol                | ND            |           | 520  | 32   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 02:35 | 1       |
| 4-Nitroaniline                | ND            |           | 520  | 140  | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 02:35 | 1       |
| 4-Nitrophenol                 | ND            |           | 520  | 190  | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 02:35 | 1       |
| Acenaphthene                  | ND            |           | 270  | 40   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 02:35 | 1       |
| Acenaphthylene                | ND            |           | 270  | 35   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 02:35 | 1       |
| Acetophenone                  | ND            |           | 270  | 36   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 02:35 | 1       |
| Anthracene                    | ND            |           | 270  | 66   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 02:35 | 1       |
| Atrazine                      | ND            |           | 270  | 93   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 02:35 | 1       |
| Benzaldehyde                  | ND            |           | 270  | 210  | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 02:35 | 1       |
| Benzo(a)anthracene            | 67 J          |           | 270  | 27   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 02:35 | 1       |
| Benzo(a)pyrene                | 52 J          |           | 270  | 40   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 02:35 | 1       |
| Benzo(b)fluoranthene          | 72 J          |           | 270  | 43   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 02:35 | 1       |
| Benzo(g,h,i)perylene          | ND            |           | 270  | 28   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 02:35 | 1       |
| Benzo(k)fluoranthene          | ND            |           | 270  | 35   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 02:35 | 1       |
| Benzoic acid                  | ND            |           | 7600 | 2400 | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 02:35 | 1       |
| Biphenyl                      | ND            |           | 270  | 40   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 02:35 | 1       |
| bis (2-chloroisopropyl) ether | ND            |           | 270  | 54   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 02:35 | 1       |
| Bis(2-chloroethoxy)methane    | ND            |           | 270  | 57   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 02:35 | 1       |
| Bis(2-chloroethyl)ether       | ND            |           | 270  | 35   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 02:35 | 1       |
| Bis(2-ethylhexyl) phthalate   | ND            |           | 270  | 92   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 02:35 | 1       |
| Butyl benzyl phthalate        | ND            |           | 270  | 44   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 02:35 | 1       |
| Caprolactam                   | ND            |           | 270  | 81   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 02:35 | 1       |
| Carbazole                     | ND            |           | 270  | 32   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 02:35 | 1       |
| Chrysene                      | 60 J          |           | 270  | 60   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 02:35 | 1       |
| Dibenz(a,h)anthracene         | ND            |           | 270  | 47   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 02:35 | 1       |
| Dibenzofuran                  | ND            |           | 270  | 32   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 02:35 | 1       |
| Diethyl phthalate             | ND            |           | 270  | 35   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 02:35 | 1       |
| Dimethyl phthalate            | ND            |           | 270  | 32   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 02:35 | 1       |
| Di-n-butyl phthalate          | 270 100 J B U |           | 270  | 46   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 02:35 | 1       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

Client Sample ID: SS-15-0002

Lab Sample ID: 480-186319-19

Date Collected: 06/21/21 12:05

Matrix: Solid

Date Received: 06/21/21 16:14

Percent Solids: 61.3

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

| Analyte                   | Result     | Qualifier | RL  | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------------|------------|-----------|-----|-----|-------|---|----------------|----------------|---------|
| Di-n-octyl phthalate      | ND         |           | 270 | 32  | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 02:35 | 1       |
| <b>Fluoranthene</b>       | <b>110</b> | <b>J</b>  | 270 | 28  | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 02:35 | 1       |
| Fluorene                  | ND         |           | 270 | 32  | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 02:35 | 1       |
| Hexachlorobenzene         | ND         |           | 270 | 36  | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 02:35 | 1       |
| Hexachlorobutadiene       | ND         |           | 270 | 40  | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 02:35 | 1       |
| Hexachlorocyclopentadiene | ND         |           | 270 | 36  | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 02:35 | 1       |
| Hexachloroethane          | ND         |           | 270 | 35  | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 02:35 | 1       |
| Indeno(1,2,3-cd)pyrene    | ND         |           | 270 | 33  | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 02:35 | 1       |
| Isophorone                | ND         |           | 270 | 57  | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 02:35 | 1       |
| Naphthalene               | ND         |           | 270 | 35  | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 02:35 | 1       |
| Nitrobenzene              | ND         |           | 270 | 30  | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 02:35 | 1       |
| N-Nitrosodi-n-propylamine | ND         |           | 270 | 46  | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 02:35 | 1       |
| N-Nitrosodiphenylamine    | ND         |           | 270 | 220 | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 02:35 | 1       |
| Pentachlorophenol         | ND         |           | 520 | 270 | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 02:35 | 1       |
| <b>Phenanthrene</b>       | <b>40</b>  | <b>J</b>  | 270 | 40  | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 02:35 | 1       |
| Phenol                    | ND         |           | 270 | 41  | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 02:35 | 1       |
| <b>Pyrene</b>             | <b>82</b>  | <b>J</b>  | 270 | 32  | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 02:35 | 1       |

| Surrogate            | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 2,4,6-Tribromophenol | 91        |           | 54 - 120 | 06/28/21 15:04 | 07/01/21 02:35 | 1       |
| 2-Fluorobiphenyl     | 82        |           | 60 - 120 | 06/28/21 15:04 | 07/01/21 02:35 | 1       |
| 2-Fluorophenol       | 76        |           | 52 - 120 | 06/28/21 15:04 | 07/01/21 02:35 | 1       |
| Nitrobenzene-d5      | 78        |           | 53 - 120 | 06/28/21 15:04 | 07/01/21 02:35 | 1       |
| p-Terphenyl-d14      | 90        |           | 79 - 130 | 06/28/21 15:04 | 07/01/21 02:35 | 1       |
| Phenol-d5            | 78        |           | 54 - 120 | 06/28/21 15:04 | 07/01/21 02:35 | 1       |

## Method: 8081B - Organochlorine Pesticides (GC)

| Analyte                    | Result       | Qualifier        | RL  | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------------------------|--------------|------------------|-----|-----|-------|---|----------------|----------------|---------|
| 4,4'-DDD                   | ND           |                  | 13  | 2.6 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 21:19 | 5       |
| <b>4,4'-DDE</b>            | <b>4.8</b>   | <b>J-J</b>       | 13  | 2.8 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 21:19 | 5       |
| <b>4,4'-DDT</b>            | <b>13</b>    | <b>10-J---UJ</b> | 13  | 3.1 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 21:19 | 5       |
| Aldrin                     | ND           |                  | 13  | 3.2 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 21:19 | 5       |
| alpha-BHC                  | ND           |                  | 13  | 2.4 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 21:19 | 5       |
| <b>beta-BHC</b>            | <b>8.0</b>   | <b>JNJ</b>       | 13  | 2.4 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 21:19 | 5       |
| cis-Chlordane              | ND           |                  | 13  | 6.6 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 21:19 | 5       |
| delta-BHC                  | ND           |                  | 13  | 2.5 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 21:19 | 5       |
| Dieldrin                   | ND           |                  | 13  | 3.2 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 21:19 | 5       |
| Endosulfan I               | ND           |                  | 13  | 2.5 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 21:19 | 5       |
| Endosulfan II              | ND           |                  | 13  | 2.4 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 21:19 | 5       |
| Endosulfan sulfate         | ND           |                  | 13  | 2.5 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 21:19 | 5       |
| Endrin                     | ND           |                  | 13  | 2.6 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 21:19 | 5       |
| <b>Endrin aldehyde</b>     | <b>13</b>    | <b>10-J-B- U</b> | 13  | 3.4 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 21:19 | 5       |
| Endrin ketone              | ND           |                  | 13  | 3.2 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 21:19 | 5       |
| <b>gamma-BHC (Lindane)</b> | <b>133.7</b> | <b>J-B- U</b>    | 13  | 2.4 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 21:19 | 5       |
| Heptachlor                 | ND           |                  | 13  | 2.9 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 21:19 | 5       |
| Heptachlor epoxide         | ND           |                  | 13  | 3.4 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 21:19 | 5       |
| Methoxychlor               | ND           | <b>UJ</b>        | 13  | 2.7 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 21:19 | 5       |
| Mirex                      | ND           |                  | 13  | 3.2 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 21:19 | 5       |
| Toxaphene                  | ND           |                  | 130 | 77  | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 21:19 | 5       |
| trans-Chlordane            | ND           |                  | 13  | 4.2 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 21:19 | 5       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

**Client Sample ID: SS-15-0002**

**Lab Sample ID: 480-186319-19**

**Date Collected: 06/21/21 12:05**

**Matrix: Solid**

**Date Received: 06/21/21 16:14**

**Percent Solids: 61.3**

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| DCB Decachlorobiphenyl | 114       |           | 45 - 120 | 06/28/21 07:45 | 06/29/21 21:19 | 5       |
| DCB Decachlorobiphenyl | 174       | S1+       | 45 - 120 | 06/28/21 07:45 | 06/29/21 21:19 | 5       |
| Tetrachloro-m-xylene   | 104       |           | 30 - 124 | 06/28/21 07:45 | 06/29/21 21:19 | 5       |
| Tetrachloro-m-xylene   | 84        |           | 30 - 124 | 06/28/21 07:45 | 06/29/21 21:19 | 5       |

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

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| PCB-1016 | ND     |           | 0.32 | 0.063 | mg/Kg | ☼ | 06/29/21 08:04 | 06/30/21 05:24 | 1       |
| PCB-1221 | ND     |           | 0.32 | 0.063 | mg/Kg | ☼ | 06/29/21 08:04 | 06/30/21 05:24 | 1       |
| PCB-1232 | ND     |           | 0.32 | 0.063 | mg/Kg | ☼ | 06/29/21 08:04 | 06/30/21 05:24 | 1       |
| PCB-1242 | ND     |           | 0.32 | 0.063 | mg/Kg | ☼ | 06/29/21 08:04 | 06/30/21 05:24 | 1       |
| PCB-1248 | ND     |           | 0.32 | 0.063 | mg/Kg | ☼ | 06/29/21 08:04 | 06/30/21 05:24 | 1       |
| PCB-1254 | ND     |           | 0.32 | 0.15  | mg/Kg | ☼ | 06/29/21 08:04 | 06/30/21 05:24 | 1       |
| PCB-1260 | ND     |           | 0.32 | 0.15  | mg/Kg | ☼ | 06/29/21 08:04 | 06/30/21 05:24 | 1       |
| PCB-1262 | ND     |           | 0.32 | 0.15  | mg/Kg | ☼ | 06/29/21 08:04 | 06/30/21 05:24 | 1       |
| PCB-1268 | ND     |           | 0.32 | 0.15  | mg/Kg | ☼ | 06/29/21 08:04 | 06/30/21 05:24 | 1       |

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| Tetrachloro-m-xylene   | 137       |           | 60 - 154 | 06/29/21 08:04 | 06/30/21 05:24 | 1       |
| Tetrachloro-m-xylene   | 142       |           | 60 - 154 | 06/29/21 08:04 | 06/30/21 05:24 | 1       |
| DCB Decachlorobiphenyl | 128       |           | 65 - 174 | 06/29/21 08:04 | 06/30/21 05:24 | 1       |
| DCB Decachlorobiphenyl | 110       |           | 65 - 174 | 06/29/21 08:04 | 06/30/21 05:24 | 1       |

## Method: 6010C - Metals (ICP)

| Analyte   | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| Aluminum  | 10200  |           | 17.2 | 7.6   | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 02:00 | 1       |
| Antimony  | ND     |           | 25.8 | 0.69  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 02:00 | 1       |
| Arsenic   | 2.8    | J         | 3.4  | 0.69  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 02:00 | 1       |
| Barium    | 73.3   | ^6+       | 0.86 | 0.19  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 02:00 | 1       |
| Beryllium | 0.49   |           | 0.34 | 0.048 | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 02:00 | 1       |
| Cadmium   | 0.88   |           | 0.34 | 0.052 | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 02:00 | 1       |
| Calcium   | 31500  | B         | 85.8 | 5.7   | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 02:00 | 1       |
| Chromium  | 17.6   |           | 0.86 | 0.34  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 02:00 | 1       |
| Cobalt    | 6.1    |           | 0.86 | 0.086 | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 02:00 | 1       |
| Copper    | 25.7   |           | 1.7  | 0.36  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 02:00 | 1       |
| Iron      | 15600  |           | 17.2 | 6.0   | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 02:00 | 1       |
| Lead      | 33.4   |           | 1.7  | 0.41  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 02:00 | 1       |
| Magnesium | 12600  | B         | 34.3 | 1.6   | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 02:00 | 1       |
| Manganese | 310    | B         | 0.34 | 0.055 | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 02:00 | 1       |
| Nickel    | 18.1   |           | 8.6  | 0.39  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 02:00 | 1       |
| Potassium | 2660   | B         | 51.5 | 34.3  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 02:00 | 1       |
| Selenium  | ND     |           | 6.9  | 0.69  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 02:00 | 1       |
| Silver    | 0.67   | J         | 1.0  | 0.34  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 02:00 | 1       |
| Sodium    | 174    | J B       | 240  | 22.3  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 02:00 | 1       |
| Thallium  | ND     |           | 10.3 | 0.52  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 02:00 | 1       |
| Vanadium  | 24.6   |           | 0.86 | 0.19  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 02:00 | 1       |
| Zinc      | 109    |           | 3.4  | 1.1   | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 02:00 | 1       |

## Method: 7471B - Mercury (CVAA)

| Analyte | Result | Qualifier | RL    | MDL    | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------|--------|-----------|-------|--------|-------|---|----------------|----------------|---------|
| Mercury | 0.32   |           | 0.034 | 0.0079 | mg/Kg | ☼ | 06/24/21 17:36 | 06/24/21 19:12 | 1       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

Client Sample ID: SS-15-0212

Lab Sample ID: 480-186319-20

Date Collected: 06/21/21 12:10

Matrix: Solid

Date Received: 06/21/21 16:14

Percent Solids: 84.9

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

| Analyte                       | Result         | Qualifier | RL   | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|----------------|-----------|------|------|-------|---|----------------|----------------|---------|
| 2,4,5-Trichlorophenol         | ND             |           | 190  | 53   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 02:58 | 1       |
| 2,4,6-Trichlorophenol         | ND             |           | 190  | 39   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 02:58 | 1       |
| 2,4-Dichlorophenol            | ND             |           | 190  | 21   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 02:58 | 1       |
| 2,4-Dimethylphenol            | ND             |           | 190  | 47   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 02:58 | 1       |
| 2,4-Dinitrophenol             | ND             |           | 1900 | 900  | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 02:58 | 1       |
| 2,4-Dinitrotoluene            | ND             |           | 190  | 40   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 02:58 | 1       |
| 2,6-Dinitrotoluene            | ND             |           | 190  | 23   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 02:58 | 1       |
| 2-Chloronaphthalene           | ND             |           | 190  | 32   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 02:58 | 1       |
| 2-Chlorophenol                | ND             |           | 380  | 36   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 02:58 | 1       |
| 2-Methylnaphthalene           | ND             |           | 190  | 39   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 02:58 | 1       |
| 2-Methylphenol                | ND             |           | 190  | 23   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 02:58 | 1       |
| 2-Nitroaniline                | ND             |           | 380  | 29   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 02:58 | 1       |
| 2-Nitrophenol                 | ND             |           | 190  | 55   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 02:58 | 1       |
| 3,3'-Dichlorobenzidine        | ND             |           | 380  | 230  | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 02:58 | 1       |
| 3-Nitroaniline                | ND             |           | 380  | 54   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 02:58 | 1       |
| 4,6-Dinitro-2-methylphenol    | ND             |           | 380  | 190  | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 02:58 | 1       |
| 4-Bromophenyl phenyl ether    | ND             |           | 190  | 27   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 02:58 | 1       |
| 4-Chloro-3-methylphenol       | ND             |           | 190  | 48   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 02:58 | 1       |
| 4-Chloroaniline               | ND             |           | 190  | 48   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 02:58 | 1       |
| 4-Chlorophenyl phenyl ether   | ND             |           | 190  | 24   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 02:58 | 1       |
| 4-Methylphenol                | ND             |           | 380  | 23   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 02:58 | 1       |
| 4-Nitroaniline                | ND             |           | 380  | 100  | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 02:58 | 1       |
| 4-Nitrophenol                 | ND             |           | 380  | 140  | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 02:58 | 1       |
| Acenaphthene                  | ND             |           | 190  | 29   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 02:58 | 1       |
| Acenaphthylene                | ND             |           | 190  | 25   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 02:58 | 1       |
| Acetophenone                  | ND             |           | 190  | 26   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 02:58 | 1       |
| Anthracene                    | ND             |           | 190  | 48   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 02:58 | 1       |
| Atrazine                      | ND             |           | 190  | 68   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 02:58 | 1       |
| Benzaldehyde                  | ND             |           | 190  | 150  | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 02:58 | 1       |
| Benzo(a)anthracene            | 25 J           |           | 190  | 19   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 02:58 | 1       |
| Benzo(a)pyrene                | ND             |           | 190  | 29   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 02:58 | 1       |
| Benzo(b)fluoranthene          | 32 J           |           | 190  | 31   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 02:58 | 1       |
| Benzo(g,h,i)perylene          | ND             |           | 190  | 21   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 02:58 | 1       |
| Benzo(k)fluoranthene          | ND             |           | 190  | 25   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 02:58 | 1       |
| Benzoic acid                  | ND             |           | 5500 | 1700 | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 02:58 | 1       |
| Biphenyl                      | ND             |           | 190  | 29   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 02:58 | 1       |
| bis (2-chloroisopropyl) ether | ND             |           | 190  | 39   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 02:58 | 1       |
| Bis(2-chloroethoxy)methane    | ND             |           | 190  | 41   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 02:58 | 1       |
| Bis(2-chloroethyl)ether       | ND             |           | 190  | 25   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 02:58 | 1       |
| Bis(2-ethylhexyl) phthalate   | ND             |           | 190  | 66   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 02:58 | 1       |
| Butyl benzyl phthalate        | ND             |           | 190  | 32   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 02:58 | 1       |
| Caprolactam                   | ND             |           | 190  | 58   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 02:58 | 1       |
| Carbazole                     | ND             |           | 190  | 23   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 02:58 | 1       |
| Chrysene                      | ND             |           | 190  | 44   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 02:58 | 1       |
| Dibenz(a,h)anthracene         | ND             |           | 190  | 34   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 02:58 | 1       |
| Dibenzofuran                  | ND             |           | 190  | 23   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 02:58 | 1       |
| Diethyl phthalate             | ND             |           | 190  | 25   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 02:58 | 1       |
| Dimethyl phthalate            | ND             |           | 190  | 23   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 02:58 | 1       |
| Di-n-butyl phthalate          | 190 -130 J B U |           | 190  | 33   | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 02:58 | 1       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

Client Sample ID: SS-15-0212

Lab Sample ID: 480-186319-20

Date Collected: 06/21/21 12:10

Matrix: Solid

Date Received: 06/21/21 16:14

Percent Solids: 84.9

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

| Analyte                   | Result | Qualifier | RL  | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------------|--------|-----------|-----|-----|-------|---|----------------|----------------|---------|
| Di-n-octyl phthalate      | ND     |           | 190 | 23  | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 02:58 | 1       |
| Fluoranthene              | 36     | J         | 190 | 21  | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 02:58 | 1       |
| Fluorene                  | ND     |           | 190 | 23  | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 02:58 | 1       |
| Hexachlorobenzene         | ND     |           | 190 | 26  | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 02:58 | 1       |
| Hexachlorobutadiene       | ND     |           | 190 | 29  | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 02:58 | 1       |
| Hexachlorocyclopentadiene | ND     |           | 190 | 26  | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 02:58 | 1       |
| Hexachloroethane          | ND     |           | 190 | 25  | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 02:58 | 1       |
| Indeno(1,2,3-cd)pyrene    | ND     |           | 190 | 24  | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 02:58 | 1       |
| Isophorone                | ND     |           | 190 | 41  | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 02:58 | 1       |
| Naphthalene               | ND     |           | 190 | 25  | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 02:58 | 1       |
| Nitrobenzene              | ND     |           | 190 | 22  | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 02:58 | 1       |
| N-Nitrosodi-n-propylamine | ND     |           | 190 | 33  | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 02:58 | 1       |
| N-Nitrosodiphenylamine    | ND     |           | 190 | 160 | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 02:58 | 1       |
| Pentachlorophenol         | ND     |           | 380 | 190 | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 02:58 | 1       |
| Phenanthrene              | ND     |           | 190 | 29  | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 02:58 | 1       |
| Phenol                    | ND     |           | 190 | 30  | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 02:58 | 1       |
| Pyrene                    | 31     | J         | 190 | 23  | ug/Kg | ☼ | 06/28/21 15:04 | 07/01/21 02:58 | 1       |

| Surrogate            | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 2,4,6-Tribromophenol | 85        |           | 54 - 120 | 06/28/21 15:04 | 07/01/21 02:58 | 1       |
| 2-Fluorobiphenyl     | 70        |           | 60 - 120 | 06/28/21 15:04 | 07/01/21 02:58 | 1       |
| 2-Fluorophenol       | 52        |           | 52 - 120 | 06/28/21 15:04 | 07/01/21 02:58 | 1       |
| Nitrobenzene-d5      | 56        |           | 53 - 120 | 06/28/21 15:04 | 07/01/21 02:58 | 1       |
| p-Terphenyl-d14      | 88        |           | 79 - 130 | 06/28/21 15:04 | 07/01/21 02:58 | 1       |
| Phenol-d5            | 57        |           | 54 - 120 | 06/28/21 15:04 | 07/01/21 02:58 | 1       |

## Method: 8081B - Organochlorine Pesticides (GC)

| Analyte             | Result | Qualifier  | RL  | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|--------|------------|-----|------|-------|---|----------------|----------------|---------|
| 4,4'-DDD            | 2.1    | J          | 1.9 | 0.37 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 21:39 | 1       |
| 4,4'-DDE            | 1.6    | J--J       | 1.9 | 0.40 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 21:39 | 1       |
| 4,4'-DDT            | 5.4    | J          | 1.9 | 0.45 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 21:39 | 1       |
| Aldrin              | ND     |            | 1.9 | 0.47 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 21:39 | 1       |
| alpha-BHC           | 1.0    | J-NJ       | 1.9 | 0.34 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 21:39 | 1       |
| beta-BHC            | 1.5    | J-NJ       | 1.9 | 0.34 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 21:39 | 1       |
| cis-Chlordane       | ND     |            | 1.9 | 0.95 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 21:39 | 1       |
| delta-BHC           | 1.9    | 0.84 J-B-U | 1.9 | 0.36 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 21:39 | 1       |
| Dieldrin            | 1.4    | J--J       | 1.9 | 0.46 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 21:39 | 1       |
| Endosulfan I        | ND     |            | 1.9 | 0.37 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 21:39 | 1       |
| Endosulfan II       | 1.4    | J-NJ       | 1.9 | 0.34 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 21:39 | 1       |
| Endosulfan sulfate  | ND     |            | 1.9 | 0.36 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 21:39 | 1       |
| Endrin              | 1.2    | J-NJ       | 1.9 | 0.38 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 21:39 | 1       |
| Endrin aldehyde     | 2.3    | B--J       | 1.9 | 0.49 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 21:39 | 1       |
| Endrin ketone       | ND     |            | 1.9 | 0.47 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 21:39 | 1       |
| gamma-BHC (Lindane) | 1.9    | 0.90 J-B-U | 1.9 | 0.35 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 21:39 | 1       |
| Heptachlor          | ND     |            | 1.9 | 0.41 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 21:39 | 1       |
| Heptachlor epoxide  | ND     |            | 1.9 | 0.49 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 21:39 | 1       |
| Methoxychlor        | ND     | UJ         | 1.9 | 0.39 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 21:39 | 1       |
| Mirex               | 0.99   | J---J      | 1.9 | 0.47 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 21:39 | 1       |
| Toxaphene           | ND     |            | 19  | 11   | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 21:39 | 1       |
| trans-Chlordane     | 5.6    | NJ         | 1.9 | 0.61 | ug/Kg | ☼ | 06/28/21 07:45 | 06/29/21 21:39 | 1       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

**Client Sample ID: SS-15-0212**

**Lab Sample ID: 480-186319-20**

**Date Collected: 06/21/21 12:10**

**Matrix: Solid**

**Date Received: 06/21/21 16:14**

**Percent Solids: 84.9**

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| DCB Decachlorobiphenyl | 81        |           | 45 - 120 | 06/28/21 07:45 | 06/29/21 21:39 | 1       |
| DCB Decachlorobiphenyl | 138       | S1+       | 45 - 120 | 06/28/21 07:45 | 06/29/21 21:39 | 1       |
| Tetrachloro-m-xylene   | 104       |           | 30 - 124 | 06/28/21 07:45 | 06/29/21 21:39 | 1       |
| Tetrachloro-m-xylene   | 81        |           | 30 - 124 | 06/28/21 07:45 | 06/29/21 21:39 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| PCB-1016 | ND     |           | 0.21 | 0.041 | mg/Kg | ☼ | 06/29/21 08:04 | 06/30/21 05:37 | 1       |
| PCB-1221 | ND     |           | 0.21 | 0.041 | mg/Kg | ☼ | 06/29/21 08:04 | 06/30/21 05:37 | 1       |
| PCB-1232 | ND     |           | 0.21 | 0.041 | mg/Kg | ☼ | 06/29/21 08:04 | 06/30/21 05:37 | 1       |
| PCB-1242 | ND     |           | 0.21 | 0.041 | mg/Kg | ☼ | 06/29/21 08:04 | 06/30/21 05:37 | 1       |
| PCB-1248 | ND     |           | 0.21 | 0.041 | mg/Kg | ☼ | 06/29/21 08:04 | 06/30/21 05:37 | 1       |
| PCB-1254 | ND     |           | 0.21 | 0.098 | mg/Kg | ☼ | 06/29/21 08:04 | 06/30/21 05:37 | 1       |
| PCB-1260 | ND     |           | 0.21 | 0.098 | mg/Kg | ☼ | 06/29/21 08:04 | 06/30/21 05:37 | 1       |
| PCB-1262 | ND     |           | 0.21 | 0.098 | mg/Kg | ☼ | 06/29/21 08:04 | 06/30/21 05:37 | 1       |
| PCB-1268 | ND     |           | 0.21 | 0.098 | mg/Kg | ☼ | 06/29/21 08:04 | 06/30/21 05:37 | 1       |

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| Tetrachloro-m-xylene   | 139       |           | 60 - 154 | 06/29/21 08:04 | 06/30/21 05:37 | 1       |
| Tetrachloro-m-xylene   | 145       |           | 60 - 154 | 06/29/21 08:04 | 06/30/21 05:37 | 1       |
| DCB Decachlorobiphenyl | 134       |           | 65 - 174 | 06/29/21 08:04 | 06/30/21 05:37 | 1       |
| DCB Decachlorobiphenyl | 108       |           | 65 - 174 | 06/29/21 08:04 | 06/30/21 05:37 | 1       |

## Method: 6010C - Metals (ICP)

| Analyte   | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| Aluminum  | 7150   |           | 11.6 | 5.1   | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 02:04 | 1       |
| Antimony  | ND     |           | 17.4 | 0.46  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 02:04 | 1       |
| Arsenic   | 2.1    | J         | 2.3  | 0.46  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 02:04 | 1       |
| Barium    | 52.0   | ^6+       | 0.58 | 0.13  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 02:04 | 1       |
| Beryllium | 0.31   |           | 0.23 | 0.033 | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 02:04 | 1       |
| Cadmium   | 0.36   |           | 0.23 | 0.035 | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 02:04 | 1       |
| Calcium   | 29800  | B         | 58.1 | 3.8   | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 02:04 | 1       |
| Chromium  | 15.3   |           | 0.58 | 0.23  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 02:04 | 1       |
| Cobalt    | 4.1    |           | 0.58 | 0.058 | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 02:04 | 1       |
| Copper    | 12.8   |           | 1.2  | 0.24  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 02:04 | 1       |
| Iron      | 9600   |           | 11.6 | 4.1   | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 02:04 | 1       |
| Lead      | 22.8   |           | 1.2  | 0.28  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 02:04 | 1       |
| Magnesium | 11400  | B         | 23.2 | 1.1   | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 02:04 | 1       |
| Manganese | 186    | B         | 0.23 | 0.037 | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 02:04 | 1       |
| Nickel    | 11.6   |           | 5.8  | 0.27  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 02:04 | 1       |
| Potassium | 1700   | B         | 34.9 | 23.2  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 02:04 | 1       |
| Selenium  | ND     |           | 4.6  | 0.46  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 02:04 | 1       |
| Silver    | 0.33   | J         | 0.70 | 0.23  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 02:04 | 1       |
| Sodium    | 133    | J B       | 163  | 15.1  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 02:04 | 1       |
| Thallium  | ND     |           | 7.0  | 0.35  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 02:04 | 1       |
| Vanadium  | 17.9   |           | 0.58 | 0.13  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 02:04 | 1       |
| Zinc      | 73.4   |           | 2.3  | 0.74  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 02:04 | 1       |

## Method: 7471B - Mercury (CVAA)

| Analyte | Result | Qualifier | RL    | MDL    | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------|--------|-----------|-------|--------|-------|---|----------------|----------------|---------|
| Mercury | 0.29   |           | 0.021 | 0.0049 | mg/Kg | ☼ | 06/24/21 17:36 | 06/24/21 19:13 | 1       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

**Client Sample ID: SS-16-0002**

**Lab Sample ID: 480-186319-21**

**Date Collected: 06/21/21 12:15**

**Matrix: Solid**

**Date Received: 06/21/21 16:14**

**Percent Solids: 71.8**

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

| Analyte                       | Result       | Qualifier | RL    | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|--------------|-----------|-------|-------|-------|---|----------------|----------------|---------|
| 2,4,5-Trichlorophenol         | ND           |           | 1200  | 320   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 18:30 | 5       |
| 2,4,6-Trichlorophenol         | ND           |           | 1200  | 230   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 18:30 | 5       |
| 2,4-Dichlorophenol            | ND           |           | 1200  | 120   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 18:30 | 5       |
| 2,4-Dimethylphenol            | ND           |           | 1200  | 280   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 18:30 | 5       |
| 2,4-Dinitrophenol             | ND           |           | 11000 | 5400  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 18:30 | 5       |
| 2,4-Dinitrotoluene            | ND           |           | 1200  | 240   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 18:30 | 5       |
| 2,6-Dinitrotoluene            | ND           |           | 1200  | 140   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 18:30 | 5       |
| 2-Chloronaphthalene           | ND           |           | 1200  | 190   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 18:30 | 5       |
| 2-Chlorophenol                | ND           |           | 2300  | 210   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 18:30 | 5       |
| 2-Methylnaphthalene           | ND           |           | 1200  | 230   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 18:30 | 5       |
| 2-Methylphenol                | ND           |           | 1200  | 140   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 18:30 | 5       |
| 2-Nitroaniline                | ND           |           | 2300  | 170   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 18:30 | 5       |
| 2-Nitrophenol                 | ND           |           | 1200  | 330   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 18:30 | 5       |
| 3,3'-Dichlorobenzidine        | ND           |           | 2300  | 1400  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 18:30 | 5       |
| 3-Nitroaniline                | ND           |           | 2300  | 320   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 18:30 | 5       |
| 4,6-Dinitro-2-methylphenol    | ND           |           | 2300  | 1200  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 18:30 | 5       |
| 4-Bromophenyl phenyl ether    | ND           |           | 1200  | 170   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 18:30 | 5       |
| 4-Chloro-3-methylphenol       | ND           |           | 1200  | 290   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 18:30 | 5       |
| 4-Chloroaniline               | ND           |           | 1200  | 290   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 18:30 | 5       |
| 4-Chlorophenyl phenyl ether   | ND           |           | 1200  | 140   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 18:30 | 5       |
| 4-Methylphenol                | ND           |           | 2300  | 140   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 18:30 | 5       |
| 4-Nitroaniline                | ND           |           | 2300  | 610   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 18:30 | 5       |
| 4-Nitrophenol                 | ND           |           | 2300  | 820   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 18:30 | 5       |
| Acenaphthene                  | ND           |           | 1200  | 170   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 18:30 | 5       |
| Acenaphthylene                | ND           |           | 1200  | 150   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 18:30 | 5       |
| Acetophenone                  | ND           |           | 1200  | 160   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 18:30 | 5       |
| Anthracene                    | ND           |           | 1200  | 290   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 18:30 | 5       |
| Atrazine                      | ND           |           | 1200  | 410   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 18:30 | 5       |
| Benzaldehyde                  | ND           |           | 1200  | 930   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 18:30 | 5       |
| <b>Benzo(a)anthracene</b>     | <b>430 J</b> |           | 1200  | 120   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 18:30 | 5       |
| <b>Benzo(a)pyrene</b>         | <b>350 J</b> |           | 1200  | 170   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 18:30 | 5       |
| <b>Benzo(b)fluoranthene</b>   | <b>500 J</b> |           | 1200  | 190   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 18:30 | 5       |
| <b>Benzo(g,h,i)perylene</b>   | <b>250 J</b> |           | 1200  | 120   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 18:30 | 5       |
| <b>Benzo(k)fluoranthene</b>   | <b>220 J</b> |           | 1200  | 150   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 18:30 | 5       |
| Benzoic acid                  | ND           |           | 33000 | 10000 | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 18:30 | 5       |
| Biphenyl                      | ND           |           | 1200  | 170   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 18:30 | 5       |
| bis (2-chloroisopropyl) ether | ND           |           | 1200  | 230   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 18:30 | 5       |
| Bis(2-chloroethoxy)methane    | ND           |           | 1200  | 250   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 18:30 | 5       |
| Bis(2-chloroethyl)ether       | ND           |           | 1200  | 150   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 18:30 | 5       |
| Bis(2-ethylhexyl) phthalate   | ND           |           | 1200  | 400   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 18:30 | 5       |
| Butyl benzyl phthalate        | ND           |           | 1200  | 190   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 18:30 | 5       |
| Caprolactam                   | ND           |           | 1200  | 350   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 18:30 | 5       |
| Carbazole                     | ND           |           | 1200  | 140   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 18:30 | 5       |
| <b>Chrysene</b>               | <b>420 J</b> |           | 1200  | 260   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 18:30 | 5       |
| Dibenz(a,h)anthracene         | ND           |           | 1200  | 210   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 18:30 | 5       |
| Dibenzofuran                  | ND           |           | 1200  | 140   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 18:30 | 5       |
| Diethyl phthalate             | ND           |           | 1200  | 150   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 18:30 | 5       |
| Dimethyl phthalate            | ND           |           | 1200  | 140   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 18:30 | 5       |
| Di-n-butyl phthalate          | ND           |           | 1200  | 200   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 18:30 | 5       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

Client Sample ID: SS-16-0002

Lab Sample ID: 480-186319-21

Date Collected: 06/21/21 12:15

Matrix: Solid

Date Received: 06/21/21 16:14

Percent Solids: 71.8

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

| Analyte                       | Result     | Qualifier | RL   | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|------------|-----------|------|------|-------|---|----------------|----------------|---------|
| Di-n-octyl phthalate          | ND         |           | 1200 | 140  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 18:30 | 5       |
| <b>Fluoranthene</b>           | <b>980</b> | <b>J</b>  | 1200 | 120  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 18:30 | 5       |
| Fluorene                      | ND         |           | 1200 | 140  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 18:30 | 5       |
| Hexachlorobenzene             | ND         |           | 1200 | 160  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 18:30 | 5       |
| Hexachlorobutadiene           | ND         |           | 1200 | 170  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 18:30 | 5       |
| Hexachlorocyclopentadiene     | ND         |           | 1200 | 160  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 18:30 | 5       |
| Hexachloroethane              | ND         |           | 1200 | 150  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 18:30 | 5       |
| <b>Indeno(1,2,3-cd)pyrene</b> | <b>240</b> | <b>J</b>  | 1200 | 140  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 18:30 | 5       |
| Isophorone                    | ND         |           | 1200 | 250  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 18:30 | 5       |
| Naphthalene                   | ND         |           | 1200 | 150  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 18:30 | 5       |
| Nitrobenzene                  | ND         |           | 1200 | 130  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 18:30 | 5       |
| N-Nitrosodi-n-propylamine     | ND         |           | 1200 | 200  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 18:30 | 5       |
| N-Nitrosodiphenylamine        | ND         |           | 1200 | 950  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 18:30 | 5       |
| Pentachlorophenol             | ND         |           | 2300 | 1200 | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 18:30 | 5       |
| <b>Phenanthrene</b>           | <b>640</b> | <b>J</b>  | 1200 | 170  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 18:30 | 5       |
| Phenol                        | ND         |           | 1200 | 180  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 18:30 | 5       |
| <b>Pyrene</b>                 | <b>780</b> | <b>J</b>  | 1200 | 140  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 18:30 | 5       |

| Surrogate            | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 2,4,6-Tribromophenol | 84        |           | 54 - 120 | 06/29/21 15:10 | 07/01/21 18:30 | 5       |
| 2-Fluorobiphenyl     | 84        |           | 60 - 120 | 06/29/21 15:10 | 07/01/21 18:30 | 5       |
| 2-Fluorophenol       | 69        |           | 52 - 120 | 06/29/21 15:10 | 07/01/21 18:30 | 5       |
| Nitrobenzene-d5      | 72        |           | 53 - 120 | 06/29/21 15:10 | 07/01/21 18:30 | 5       |
| p-Terphenyl-d14      | 94        |           | 79 - 130 | 06/29/21 15:10 | 07/01/21 18:30 | 5       |
| Phenol-d5            | 72        |           | 54 - 120 | 06/29/21 15:10 | 07/01/21 18:30 | 5       |

## Method: 8081B - Organochlorine Pesticides (GC)

| Analyte                | Result      | Qualifier    | RL  | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|------------------------|-------------|--------------|-----|------|-------|---|----------------|----------------|---------|
| <b>4,4'-DDD</b>        | <b>2.0</b>  | <b>J</b>     | 2.3 | 0.44 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 16:10 | 1       |
| <b>4,4'-DDE</b>        | <b>2.4</b>  | <b>J</b>     | 2.3 | 0.47 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 16:10 | 1       |
| <b>4,4'-DDT</b>        | <b>13</b>   |              | 2.3 | 0.53 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 16:10 | 1       |
| Aldrin                 | ND          |              | 2.3 | 0.56 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 16:10 | 1       |
| alpha-BHC              | ND          |              | 2.3 | 0.41 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 16:10 | 1       |
| beta-BHC               | ND          |              | 2.3 | 0.41 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 16:10 | 1       |
| cis-Chlordane          | ND          |              | 2.3 | 1.1  | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 16:10 | 1       |
| delta-BHC              | ND          |              | 2.3 | 0.42 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 16:10 | 1       |
| <b>Dieldrin</b>        | <b>2.4</b>  | <b>NJ</b>    | 2.3 | 0.54 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 16:10 | 1       |
| Endosulfan I           | ND          |              | 2.3 | 0.43 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 16:10 | 1       |
| Endosulfan II          | ND          |              | 2.3 | 0.41 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 16:10 | 1       |
| Endosulfan sulfate     | ND          |              | 2.3 | 0.42 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 16:10 | 1       |
| <b>Endrin</b>          | <b>0.64</b> | <b>-J-NJ</b> | 2.3 | 0.45 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 16:10 | 1       |
| <b>Endrin aldehyde</b> | <b>2.7</b>  |              | 2.3 | 0.58 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 16:10 | 1       |
| Endrin ketone          | ND          |              | 2.3 | 0.56 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 16:10 | 1       |
| gamma-BHC (Lindane)    | ND          |              | 2.3 | 0.42 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 16:10 | 1       |
| Heptachlor             | ND          |              | 2.3 | 0.49 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 16:10 | 1       |
| Heptachlor epoxide     | ND          |              | 2.3 | 0.58 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 16:10 | 1       |
| <b>Methoxychlor</b>    | <b>1.3</b>  | <b>-J-NJ</b> | 2.3 | 0.46 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 16:10 | 1       |
| <b>Mirex</b>           | <b>1.2</b>  | <b>-J-NJ</b> | 2.3 | 0.55 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 16:10 | 1       |
| Toxaphene              | ND          |              | 23  | 13   | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 16:10 | 1       |
| <b>trans-Chlordane</b> | <b>1.9</b>  | <b>-J-NJ</b> | 2.3 | 0.72 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 16:10 | 1       |

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ALH 9/23/21

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

**Client Sample ID: SS-16-0002**

**Lab Sample ID: 480-186319-21**

**Date Collected: 06/21/21 12:15**

**Matrix: Solid**

**Date Received: 06/21/21 16:14**

**Percent Solids: 71.8**

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| DCB Decachlorobiphenyl | 78        |           | 45 - 120 | 06/28/21 15:10 | 06/29/21 16:10 | 1       |
| DCB Decachlorobiphenyl | 116       |           | 45 - 120 | 06/28/21 15:10 | 06/29/21 16:10 | 1       |
| Tetrachloro-m-xylene   | 65        |           | 30 - 124 | 06/28/21 15:10 | 06/29/21 16:10 | 1       |
| Tetrachloro-m-xylene   | 52        |           | 30 - 124 | 06/28/21 15:10 | 06/29/21 16:10 | 1       |

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

| Analyte         | Result      | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------|-------------|-----------|------|-------|-------|---|----------------|----------------|---------|
| PCB-1016        | ND          |           | 0.32 | 0.062 | mg/Kg | ☼ | 06/29/21 08:04 | 06/30/21 05:49 | 1       |
| PCB-1221        | ND          |           | 0.32 | 0.062 | mg/Kg | ☼ | 06/29/21 08:04 | 06/30/21 05:49 | 1       |
| PCB-1232        | ND          |           | 0.32 | 0.062 | mg/Kg | ☼ | 06/29/21 08:04 | 06/30/21 05:49 | 1       |
| PCB-1242        | ND          |           | 0.32 | 0.062 | mg/Kg | ☼ | 06/29/21 08:04 | 06/30/21 05:49 | 1       |
| PCB-1248        | ND          |           | 0.32 | 0.062 | mg/Kg | ☼ | 06/29/21 08:04 | 06/30/21 05:49 | 1       |
| PCB-1254        | ND          |           | 0.32 | 0.15  | mg/Kg | ☼ | 06/29/21 08:04 | 06/30/21 05:49 | 1       |
| <b>PCB-1260</b> | <b>0.32</b> |           | 0.32 | 0.15  | mg/Kg | ☼ | 06/29/21 08:04 | 06/30/21 05:49 | 1       |
| PCB-1262        | ND          |           | 0.32 | 0.15  | mg/Kg | ☼ | 06/29/21 08:04 | 06/30/21 05:49 | 1       |
| PCB-1268        | ND          |           | 0.32 | 0.15  | mg/Kg | ☼ | 06/29/21 08:04 | 06/30/21 05:49 | 1       |

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| Tetrachloro-m-xylene   | 132       |           | 60 - 154 | 06/29/21 08:04 | 06/30/21 05:49 | 1       |
| Tetrachloro-m-xylene   | 135       |           | 60 - 154 | 06/29/21 08:04 | 06/30/21 05:49 | 1       |
| DCB Decachlorobiphenyl | 121       |           | 65 - 174 | 06/29/21 08:04 | 06/30/21 05:49 | 1       |
| DCB Decachlorobiphenyl | 98        |           | 65 - 174 | 06/29/21 08:04 | 06/30/21 05:49 | 1       |

## Method: 6010C - Metals (ICP)

| Analyte          | Result       | Qualifier  | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|------------------|--------------|------------|------|-------|-------|---|----------------|----------------|---------|
| <b>Aluminum</b>  | <b>13200</b> |            | 14.5 | 6.4   | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 02:08 | 1       |
| <b>Antimony</b>  | <b>1.5</b>   | <b>J</b>   | 21.7 | 0.58  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 02:08 | 1       |
| <b>Arsenic</b>   | <b>4.3</b>   |            | 2.9  | 0.58  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 02:08 | 1       |
| <b>Barium</b>    | <b>164</b>   | <b>^6+</b> | 0.72 | 0.16  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 02:08 | 1       |
| <b>Beryllium</b> | <b>0.61</b>  |            | 0.29 | 0.041 | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 02:08 | 1       |
| <b>Cadmium</b>   | <b>4.6</b>   |            | 0.29 | 0.043 | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 02:08 | 1       |
| <b>Calcium</b>   | <b>25300</b> | <b>B</b>   | 72.4 | 4.8   | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 02:08 | 1       |
| <b>Chromium</b>  | <b>37.7</b>  |            | 0.72 | 0.29  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 02:08 | 1       |
| <b>Cobalt</b>    | <b>9.3</b>   |            | 0.72 | 0.072 | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 02:08 | 1       |
| <b>Copper</b>    | <b>81.1</b>  |            | 1.4  | 0.30  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 02:08 | 1       |
| <b>Iron</b>      | <b>24000</b> |            | 14.5 | 5.1   | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 02:08 | 1       |
| <b>Lead</b>      | <b>125</b>   |            | 1.4  | 0.35  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 02:08 | 1       |
| <b>Magnesium</b> | <b>10900</b> | <b>B</b>   | 29.0 | 1.3   | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 02:08 | 1       |
| <b>Manganese</b> | <b>423</b>   | <b>B</b>   | 0.29 | 0.046 | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 02:08 | 1       |
| <b>Nickel</b>    | <b>35.0</b>  |            | 7.2  | 0.33  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 02:08 | 1       |
| <b>Potassium</b> | <b>3170</b>  | <b>B</b>   | 43.4 | 29.0  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 02:08 | 1       |
| Selenium         | ND           |            | 5.8  | 0.58  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 02:08 | 1       |
| <b>Silver</b>    | <b>4.9</b>   |            | 0.87 | 0.29  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 02:08 | 1       |
| <b>Sodium</b>    | <b>183</b>   | <b>J B</b> | 203  | 18.8  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 02:08 | 1       |
| Thallium         | ND           |            | 8.7  | 0.43  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 02:08 | 1       |
| <b>Vanadium</b>  | <b>29.6</b>  |            | 0.72 | 0.16  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 02:08 | 1       |
| <b>Zinc</b>      | <b>316</b>   |            | 2.9  | 0.93  | mg/Kg | ☼ | 06/23/21 10:16 | 06/25/21 02:08 | 1       |

## Method: 7471B - Mercury (CVAA)

| Analyte        | Result      | Qualifier | RL    | MDL    | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------------|-------------|-----------|-------|--------|-------|---|----------------|----------------|---------|
| <b>Mercury</b> | <b>0.90</b> |           | 0.027 | 0.0062 | mg/Kg | ☼ | 06/24/21 17:36 | 06/24/21 19:15 | 1       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

**Client Sample ID: SS-16-0212**

**Lab Sample ID: 480-186319-22**

**Date Collected: 06/21/21 12:20**

**Matrix: Solid**

**Date Received: 06/21/21 16:14**

**Percent Solids: 72.6**

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

| Analyte                       | Result | Qualifier | RL    | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|--------|-----------|-------|-------|-------|---|----------------|----------------|---------|
| 2,4,5-Trichlorophenol         | ND     |           | 1200  | 310   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 18:54 | 5       |
| 2,4,6-Trichlorophenol         | ND     |           | 1200  | 230   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 18:54 | 5       |
| 2,4-Dichlorophenol            | ND     |           | 1200  | 120   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 18:54 | 5       |
| 2,4-Dimethylphenol            | ND     |           | 1200  | 280   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 18:54 | 5       |
| 2,4-Dinitrophenol             | ND     |           | 11000 | 5300  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 18:54 | 5       |
| 2,4-Dinitrotoluene            | ND     |           | 1200  | 240   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 18:54 | 5       |
| 2,6-Dinitrotoluene            | ND     |           | 1200  | 140   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 18:54 | 5       |
| 2-Chloronaphthalene           | ND     |           | 1200  | 190   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 18:54 | 5       |
| 2-Chlorophenol                | ND     |           | 2200  | 210   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 18:54 | 5       |
| 2-Methylnaphthalene           | ND     |           | 1200  | 230   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 18:54 | 5       |
| 2-Methylphenol                | ND     |           | 1200  | 140   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 18:54 | 5       |
| 2-Nitroaniline                | ND     |           | 2200  | 170   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 18:54 | 5       |
| 2-Nitrophenol                 | ND     |           | 1200  | 330   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 18:54 | 5       |
| 3,3'-Dichlorobenzidine        | ND     |           | 2200  | 1400  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 18:54 | 5       |
| 3-Nitroaniline                | ND     |           | 2200  | 320   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 18:54 | 5       |
| 4,6-Dinitro-2-methylphenol    | ND     |           | 2200  | 1200  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 18:54 | 5       |
| 4-Bromophenyl phenyl ether    | ND     |           | 1200  | 160   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 18:54 | 5       |
| 4-Chloro-3-methylphenol       | ND     |           | 1200  | 290   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 18:54 | 5       |
| 4-Chloroaniline               | ND     |           | 1200  | 290   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 18:54 | 5       |
| 4-Chlorophenyl phenyl ether   | ND     |           | 1200  | 140   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 18:54 | 5       |
| 4-Methylphenol                | ND     |           | 2200  | 140   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 18:54 | 5       |
| 4-Nitroaniline                | ND     |           | 2200  | 610   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 18:54 | 5       |
| 4-Nitrophenol                 | ND     |           | 2200  | 810   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 18:54 | 5       |
| Acenaphthene                  | ND     |           | 1200  | 170   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 18:54 | 5       |
| Acenaphthylene                | ND     |           | 1200  | 150   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 18:54 | 5       |
| Acetophenone                  | ND     |           | 1200  | 160   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 18:54 | 5       |
| Anthracene                    | ND     |           | 1200  | 290   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 18:54 | 5       |
| Atrazine                      | ND     |           | 1200  | 400   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 18:54 | 5       |
| Benzaldehyde                  | ND     |           | 1200  | 920   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 18:54 | 5       |
| Benzo(a)anthracene            | 510    | J         | 1200  | 120   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 18:54 | 5       |
| Benzo(a)pyrene                | 520    | J         | 1200  | 170   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 18:54 | 5       |
| Benzo(b)fluoranthene          | 700    | J         | 1200  | 180   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 18:54 | 5       |
| Benzo(g,h,i)perylene          | 440    | J         | 1200  | 120   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 18:54 | 5       |
| Benzo(k)fluoranthene          | 260    | J         | 1200  | 150   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 18:54 | 5       |
| Benzoic acid                  | ND     |           | 33000 | 10000 | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 18:54 | 5       |
| Biphenyl                      | ND     |           | 1200  | 170   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 18:54 | 5       |
| bis (2-chloroisopropyl) ether | ND     |           | 1200  | 230   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 18:54 | 5       |
| Bis(2-chloroethoxy)methane    | ND     |           | 1200  | 240   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 18:54 | 5       |
| Bis(2-chloroethyl)ether       | ND     |           | 1200  | 150   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 18:54 | 5       |
| Bis(2-ethylhexyl) phthalate   | ND     |           | 1200  | 390   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 18:54 | 5       |
| Butyl benzyl phthalate        | ND     |           | 1200  | 190   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 18:54 | 5       |
| Caprolactam                   | ND     |           | 1200  | 350   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 18:54 | 5       |
| Carbazole                     | ND     |           | 1200  | 140   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 18:54 | 5       |
| Chrysene                      | 510    | J         | 1200  | 260   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 18:54 | 5       |
| Dibenz(a,h)anthracene         | ND     |           | 1200  | 200   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 18:54 | 5       |
| Dibenzofuran                  | ND     |           | 1200  | 140   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 18:54 | 5       |
| Diethyl phthalate             | ND     |           | 1200  | 150   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 18:54 | 5       |
| Dimethyl phthalate            | ND     |           | 1200  | 140   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 18:54 | 5       |
| Di-n-butyl phthalate          | ND     |           | 1200  | 200   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 18:54 | 5       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

Client Sample ID: SS-16-0212

Lab Sample ID: 480-186319-22

Date Collected: 06/21/21 12:20

Matrix: Solid

Date Received: 06/21/21 16:14

Percent Solids: 72.6

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

| Analyte                       | Result      | Qualifier | RL   | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|-------------|-----------|------|------|-------|---|----------------|----------------|---------|
| Di-n-octyl phthalate          | ND          |           | 1200 | 140  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 18:54 | 5       |
| <b>Fluoranthene</b>           | <b>1000</b> | <b>J</b>  | 1200 | 120  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 18:54 | 5       |
| Fluorene                      | ND          |           | 1200 | 140  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 18:54 | 5       |
| Hexachlorobenzene             | ND          |           | 1200 | 160  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 18:54 | 5       |
| Hexachlorobutadiene           | ND          |           | 1200 | 170  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 18:54 | 5       |
| Hexachlorocyclopentadiene     | ND          |           | 1200 | 160  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 18:54 | 5       |
| Hexachloroethane              | ND          |           | 1200 | 150  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 18:54 | 5       |
| <b>Indeno(1,2,3-cd)pyrene</b> | <b>360</b>  | <b>J</b>  | 1200 | 140  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 18:54 | 5       |
| Isophorone                    | ND          |           | 1200 | 240  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 18:54 | 5       |
| Naphthalene                   | ND          |           | 1200 | 150  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 18:54 | 5       |
| Nitrobenzene                  | ND          |           | 1200 | 130  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 18:54 | 5       |
| N-Nitrosodi-n-propylamine     | ND          |           | 1200 | 200  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 18:54 | 5       |
| N-Nitrosodiphenylamine        | ND          |           | 1200 | 940  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 18:54 | 5       |
| Pentachlorophenol             | ND          |           | 2200 | 1200 | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 18:54 | 5       |
| <b>Phenanthrene</b>           | <b>630</b>  | <b>J</b>  | 1200 | 170  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 18:54 | 5       |
| Phenol                        | ND          |           | 1200 | 180  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 18:54 | 5       |
| <b>Pyrene</b>                 | <b>820</b>  | <b>J</b>  | 1200 | 140  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 18:54 | 5       |

| Surrogate            | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 2,4,6-Tribromophenol | 73        |           | 54 - 120 | 06/29/21 15:10 | 07/01/21 18:54 | 5       |
| 2-Fluorobiphenyl     | 74        |           | 60 - 120 | 06/29/21 15:10 | 07/01/21 18:54 | 5       |
| 2-Fluorophenol       | 70        |           | 52 - 120 | 06/29/21 15:10 | 07/01/21 18:54 | 5       |
| Nitrobenzene-d5      | 70        |           | 53 - 120 | 06/29/21 15:10 | 07/01/21 18:54 | 5       |
| p-Terphenyl-d14      | 84        |           | 79 - 130 | 06/29/21 15:10 | 07/01/21 18:54 | 5       |
| Phenol-d5            | 69        |           | 54 - 120 | 06/29/21 15:10 | 07/01/21 18:54 | 5       |

## Method: 8081B - Organochlorine Pesticides (GC)

| Analyte                | Result     | Qualifier    | RL  | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|------------------------|------------|--------------|-----|-----|-------|---|----------------|----------------|---------|
| <b>4,4'-DDD</b>        | <b>6.2</b> | <b>J--NJ</b> | 23  | 4.4 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 16:29 | 10      |
| <b>4,4'-DDE</b>        | <b>9.5</b> | <b>J--NJ</b> | 23  | 4.7 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 16:29 | 10      |
| <b>4,4'-DDT</b>        | <b>42</b>  | <b>J</b>     | 23  | 5.3 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 16:29 | 10      |
| Aldrin                 | ND         |              | 23  | 5.6 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 16:29 | 10      |
| alpha-BHC              | ND         |              | 23  | 4.1 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 16:29 | 10      |
| beta-BHC               | ND         |              | 23  | 4.1 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 16:29 | 10      |
| cis-Chlordane          | ND         |              | 23  | 11  | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 16:29 | 10      |
| delta-BHC              | ND         |              | 23  | 4.2 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 16:29 | 10      |
| <b>Dieldrin</b>        | <b>25</b>  | <b>J</b>     | 23  | 5.4 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 16:29 | 10      |
| Endosulfan I           | ND         |              | 23  | 4.3 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 16:29 | 10      |
| Endosulfan II          | ND         |              | 23  | 4.1 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 16:29 | 10      |
| Endosulfan sulfate     | ND         |              | 23  | 4.2 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 16:29 | 10      |
| Endrin                 | ND         |              | 23  | 4.5 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 16:29 | 10      |
| Endrin aldehyde        | ND         |              | 23  | 5.8 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 16:29 | 10      |
| Endrin ketone          | ND         |              | 23  | 5.6 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 16:29 | 10      |
| gamma-BHC (Lindane)    | ND         |              | 23  | 4.1 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 16:29 | 10      |
| Heptachlor             | ND         |              | 23  | 4.9 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 16:29 | 10      |
| Heptachlor epoxide     | ND         |              | 23  | 5.8 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 16:29 | 10      |
| <b>Methoxychlor</b>    | <b>6.8</b> | <b>J-NJ</b>  | 23  | 4.6 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 16:29 | 10      |
| Mirex                  | ND         |              | 23  | 5.5 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 16:29 | 10      |
| Toxaphene              | ND         |              | 230 | 130 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 16:29 | 10      |
| <b>trans-Chlordane</b> | <b>7.7</b> | <b>J</b>     | 23  | 7.2 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 16:29 | 10      |

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ALH 9/23/21

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

**Client Sample ID: SS-16-0212**

**Lab Sample ID: 480-186319-22**

**Date Collected: 06/21/21 12:20**

**Matrix: Solid**

**Date Received: 06/21/21 16:14**

**Percent Solids: 72.6**

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| DCB Decachlorobiphenyl | 126       | S1+       | 45 - 120 | 06/28/21 15:10 | 06/29/21 16:29 | 10      |
| DCB Decachlorobiphenyl | 119       |           | 45 - 120 | 06/28/21 15:10 | 06/29/21 16:29 | 10      |
| Tetrachloro-m-xylene   | 0         | S1-       | 30 - 124 | 06/28/21 15:10 | 06/29/21 16:29 | 10      |
| Tetrachloro-m-xylene   | 0         | S1-       | 30 - 124 | 06/28/21 15:10 | 06/29/21 16:29 | 10      |

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

| Analyte         | Result      | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------|-------------|-----------|------|-------|-------|---|----------------|----------------|---------|
| PCB-1016        | ND          |           | 0.27 | 0.052 | mg/Kg | ☼ | 06/29/21 08:04 | 06/30/21 06:02 | 1       |
| PCB-1221        | ND          |           | 0.27 | 0.052 | mg/Kg | ☼ | 06/29/21 08:04 | 06/30/21 06:02 | 1       |
| PCB-1232        | ND          |           | 0.27 | 0.052 | mg/Kg | ☼ | 06/29/21 08:04 | 06/30/21 06:02 | 1       |
| PCB-1242        | ND          |           | 0.27 | 0.052 | mg/Kg | ☼ | 06/29/21 08:04 | 06/30/21 06:02 | 1       |
| PCB-1248        | ND          |           | 0.27 | 0.052 | mg/Kg | ☼ | 06/29/21 08:04 | 06/30/21 06:02 | 1       |
| PCB-1254        | ND          |           | 0.27 | 0.13  | mg/Kg | ☼ | 06/29/21 08:04 | 06/30/21 06:02 | 1       |
| <b>PCB-1260</b> | <b>0.55</b> |           | 0.27 | 0.13  | mg/Kg | ☼ | 06/29/21 08:04 | 06/30/21 06:02 | 1       |
| PCB-1262        | ND          |           | 0.27 | 0.13  | mg/Kg | ☼ | 06/29/21 08:04 | 06/30/21 06:02 | 1       |
| PCB-1268        | ND          |           | 0.27 | 0.13  | mg/Kg | ☼ | 06/29/21 08:04 | 06/30/21 06:02 | 1       |

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| Tetrachloro-m-xylene   | 118       |           | 60 - 154 | 06/29/21 08:04 | 06/30/21 06:02 | 1       |
| Tetrachloro-m-xylene   | 125       |           | 60 - 154 | 06/29/21 08:04 | 06/30/21 06:02 | 1       |
| DCB Decachlorobiphenyl | 120       |           | 65 - 174 | 06/29/21 08:04 | 06/30/21 06:02 | 1       |
| DCB Decachlorobiphenyl | 103       |           | 65 - 174 | 06/29/21 08:04 | 06/30/21 06:02 | 1       |

## Method: 6010C - Metals (ICP)

| Analyte          | Result       | Qualifier   | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|------------------|--------------|-------------|------|-------|-------|---|----------------|----------------|---------|
| <b>Aluminum</b>  | <b>21100</b> |             | 13.6 | 6.0   | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 14:48 | 1       |
| <b>Antimony</b>  | <b>3.9</b>   | <b>J</b>    | 20.4 | 0.54  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 14:48 | 1       |
| <b>Arsenic</b>   | <b>7.2</b>   |             | 2.7  | 0.54  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 14:48 | 1       |
| <b>Barium</b>    | <b>279</b>   | <b>^6+</b>  | 0.68 | 0.15  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 14:48 | 1       |
| <b>Beryllium</b> | <b>0.70</b>  |             | 0.27 | 0.038 | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 14:48 | 1       |
| <b>Cadmium</b>   | <b>9.2</b>   |             | 0.27 | 0.041 | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 14:48 | 1       |
| <b>Calcium</b>   | <b>22500</b> | <b>B</b>    | 67.9 | 4.5   | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 14:48 | 1       |
| <b>Chromium</b>  | <b>71.8</b>  |             | 0.68 | 0.27  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 14:48 | 1       |
| <b>Cobalt</b>    | <b>11.2</b>  |             | 0.68 | 0.068 | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 14:48 | 1       |
| <b>Copper</b>    | <b>189</b>   |             | 1.4  | 0.29  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 14:48 | 1       |
| <b>Iron</b>      | <b>41200</b> | <b>B ^+</b> | 13.6 | 4.8   | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 14:48 | 1       |
| <b>Lead</b>      | <b>373</b>   |             | 1.4  | 0.33  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 14:48 | 1       |
| <b>Magnesium</b> | <b>10200</b> | <b>B</b>    | 27.1 | 1.3   | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 14:48 | 1       |
| <b>Manganese</b> | <b>489</b>   | <b>B</b>    | 0.27 | 0.043 | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 14:48 | 1       |
| <b>Nickel</b>    | <b>57.6</b>  |             | 6.8  | 0.31  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 14:48 | 1       |
| <b>Potassium</b> | <b>2870</b>  |             | 40.7 | 27.1  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 14:48 | 1       |
| <b>Selenium</b>  | <b>4.1</b>   | <b>J</b>    | 5.4  | 0.54  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 14:48 | 1       |
| <b>Silver</b>    | <b>10.4</b>  |             | 0.81 | 0.27  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 14:48 | 1       |
| <b>Sodium</b>    | <b>173</b>   | <b>J</b>    | 190  | 17.6  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 14:48 | 1       |
| Thallium         | ND           |             | 8.1  | 0.41  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 14:48 | 1       |
| <b>Vanadium</b>  | <b>31.0</b>  |             | 0.68 | 0.15  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 14:48 | 1       |
| <b>Zinc</b>      | <b>651</b>   |             | 2.7  | 0.87  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 14:48 | 1       |

## Method: 7471B - Mercury (CVAA)

| Analyte        | Result     | Qualifier | RL    | MDL    | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------------|------------|-----------|-------|--------|-------|---|----------------|----------------|---------|
| <b>Mercury</b> | <b>1.4</b> |           | 0.026 | 0.0060 | mg/Kg | ☼ | 06/24/21 17:36 | 06/24/21 19:16 | 1       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

**Client Sample ID: SS-17-0002**

**Lab Sample ID: 480-186319-23**

**Date Collected: 06/21/21 12:25**

**Matrix: Solid**

**Date Received: 06/21/21 16:14**

**Percent Solids: 75.8**

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

| Analyte                       | Result | Qualifier | RL    | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|--------|-----------|-------|------|-------|---|----------------|----------------|---------|
| 2,4,5-Trichlorophenol         | ND     |           | 1100  | 300  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 19:18 | 5       |
| 2,4,6-Trichlorophenol         | ND     |           | 1100  | 220  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 19:18 | 5       |
| 2,4-Dichlorophenol            | ND     |           | 1100  | 120  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 19:18 | 5       |
| 2,4-Dimethylphenol            | ND     |           | 1100  | 270  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 19:18 | 5       |
| 2,4-Dinitrophenol             | ND     |           | 11000 | 5200 | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 19:18 | 5       |
| 2,4-Dinitrotoluene            | ND     |           | 1100  | 230  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 19:18 | 5       |
| 2,6-Dinitrotoluene            | ND     |           | 1100  | 130  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 19:18 | 5       |
| 2-Chloronaphthalene           | ND     |           | 1100  | 180  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 19:18 | 5       |
| 2-Chlorophenol                | ND     |           | 2200  | 200  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 19:18 | 5       |
| 2-Methylnaphthalene           | ND     |           | 1100  | 220  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 19:18 | 5       |
| 2-Methylphenol                | ND     |           | 1100  | 130  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 19:18 | 5       |
| 2-Nitroaniline                | ND     |           | 2200  | 160  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 19:18 | 5       |
| 2-Nitrophenol                 | ND     |           | 1100  | 320  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 19:18 | 5       |
| 3,3'-Dichlorobenzidine        | ND     |           | 2200  | 1300 | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 19:18 | 5       |
| 3-Nitroaniline                | ND     |           | 2200  | 310  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 19:18 | 5       |
| 4,6-Dinitro-2-methylphenol    | ND     |           | 2200  | 1100 | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 19:18 | 5       |
| 4-Bromophenyl phenyl ether    | ND     |           | 1100  | 160  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 19:18 | 5       |
| 4-Chloro-3-methylphenol       | ND     |           | 1100  | 280  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 19:18 | 5       |
| 4-Chloroaniline               | ND     |           | 1100  | 280  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 19:18 | 5       |
| 4-Chlorophenyl phenyl ether   | ND     |           | 1100  | 140  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 19:18 | 5       |
| 4-Methylphenol                | ND     |           | 2200  | 130  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 19:18 | 5       |
| 4-Nitroaniline                | ND     |           | 2200  | 590  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 19:18 | 5       |
| 4-Nitrophenol                 | ND     |           | 2200  | 780  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 19:18 | 5       |
| Acenaphthene                  | ND     |           | 1100  | 160  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 19:18 | 5       |
| Acenaphthylene                | ND     |           | 1100  | 140  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 19:18 | 5       |
| Acetophenone                  | ND     |           | 1100  | 150  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 19:18 | 5       |
| Anthracene                    | ND     |           | 1100  | 280  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 19:18 | 5       |
| Atrazine                      | ND     |           | 1100  | 390  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 19:18 | 5       |
| Benzaldehyde                  | ND     |           | 1100  | 890  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 19:18 | 5       |
| Benzo(a)anthracene            | 300    | J         | 1100  | 110  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 19:18 | 5       |
| Benzo(a)pyrene                | 290    | J         | 1100  | 160  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 19:18 | 5       |
| Benzo(b)fluoranthene          | 430    | J         | 1100  | 180  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 19:18 | 5       |
| Benzo(g,h,i)perylene          | 250    | J         | 1100  | 120  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 19:18 | 5       |
| Benzo(k)fluoranthene          | 140    | J         | 1100  | 140  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 19:18 | 5       |
| Benzoic acid                  | ND     |           | 32000 | 9900 | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 19:18 | 5       |
| Biphenyl                      | ND     |           | 1100  | 160  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 19:18 | 5       |
| bis (2-chloroisopropyl) ether | ND     |           | 1100  | 220  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 19:18 | 5       |
| Bis(2-chloroethoxy)methane    | ND     |           | 1100  | 240  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 19:18 | 5       |
| Bis(2-chloroethyl)ether       | ND     |           | 1100  | 140  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 19:18 | 5       |
| Bis(2-ethylhexyl) phthalate   | ND     |           | 1100  | 380  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 19:18 | 5       |
| Butyl benzyl phthalate        | ND     |           | 1100  | 180  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 19:18 | 5       |
| Caprolactam                   | ND     |           | 1100  | 340  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 19:18 | 5       |
| Carbazole                     | ND     |           | 1100  | 130  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 19:18 | 5       |
| Chrysene                      | 370    | J         | 1100  | 250  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 19:18 | 5       |
| Dibenz(a,h)anthracene         | ND     |           | 1100  | 200  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 19:18 | 5       |
| Dibenzofuran                  | ND     |           | 1100  | 130  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 19:18 | 5       |
| Diethyl phthalate             | ND     |           | 1100  | 140  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 19:18 | 5       |
| Dimethyl phthalate            | ND     |           | 1100  | 130  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 19:18 | 5       |
| Di-n-butyl phthalate          | ND     |           | 1100  | 190  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 19:18 | 5       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

Client Sample ID: SS-17-0002

Lab Sample ID: 480-186319-23

Date Collected: 06/21/21 12:25

Matrix: Solid

Date Received: 06/21/21 16:14

Percent Solids: 75.8

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

| Analyte                       | Result     | Qualifier | RL   | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|------------|-----------|------|------|-------|---|----------------|----------------|---------|
| Di-n-octyl phthalate          | ND         |           | 1100 | 130  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 19:18 | 5       |
| <b>Fluoranthene</b>           | <b>620</b> | <b>J</b>  | 1100 | 120  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 19:18 | 5       |
| Fluorene                      | ND         |           | 1100 | 130  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 19:18 | 5       |
| Hexachlorobenzene             | ND         |           | 1100 | 150  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 19:18 | 5       |
| Hexachlorobutadiene           | ND         |           | 1100 | 160  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 19:18 | 5       |
| Hexachlorocyclopentadiene     | ND         |           | 1100 | 150  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 19:18 | 5       |
| Hexachloroethane              | ND         |           | 1100 | 140  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 19:18 | 5       |
| <b>Indeno(1,2,3-cd)pyrene</b> | <b>210</b> | <b>J</b>  | 1100 | 140  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 19:18 | 5       |
| Isophorone                    | ND         |           | 1100 | 240  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 19:18 | 5       |
| Naphthalene                   | ND         |           | 1100 | 140  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 19:18 | 5       |
| Nitrobenzene                  | ND         |           | 1100 | 120  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 19:18 | 5       |
| N-Nitrosodi-n-propylamine     | ND         |           | 1100 | 190  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 19:18 | 5       |
| N-Nitrosodiphenylamine        | ND         |           | 1100 | 910  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 19:18 | 5       |
| Pentachlorophenol             | ND         |           | 2200 | 1100 | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 19:18 | 5       |
| <b>Phenanthrene</b>           | <b>390</b> | <b>J</b>  | 1100 | 160  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 19:18 | 5       |
| Phenol                        | ND         |           | 1100 | 170  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 19:18 | 5       |
| <b>Pyrene</b>                 | <b>530</b> | <b>J</b>  | 1100 | 130  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 19:18 | 5       |

| Surrogate            | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 2,4,6-Tribromophenol | 86        |           | 54 - 120 | 06/29/21 15:10 | 07/01/21 19:18 | 5       |
| 2-Fluorobiphenyl     | 87        |           | 60 - 120 | 06/29/21 15:10 | 07/01/21 19:18 | 5       |
| 2-Fluorophenol       | 79        |           | 52 - 120 | 06/29/21 15:10 | 07/01/21 19:18 | 5       |
| Nitrobenzene-d5      | 85        |           | 53 - 120 | 06/29/21 15:10 | 07/01/21 19:18 | 5       |
| p-Terphenyl-d14      | 92        |           | 79 - 130 | 06/29/21 15:10 | 07/01/21 19:18 | 5       |
| Phenol-d5            | 81        |           | 54 - 120 | 06/29/21 15:10 | 07/01/21 19:18 | 5       |

## Method: 8081B - Organochlorine Pesticides (GC)

| Analyte                | Result      | Qualifier    | RL  | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|------------------------|-------------|--------------|-----|------|-------|---|----------------|----------------|---------|
| 4,4'-DDD               | ND          |              | 2.2 | 0.42 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 16:49 | 1       |
| <b>4,4'-DDE</b>        | <b>1.6</b>  | <b>-J-NJ</b> | 2.2 | 0.45 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 16:49 | 1       |
| 4,4'-DDT               | ND          |              | 2.2 | 0.50 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 16:49 | 1       |
| Aldrin                 | ND          |              | 2.2 | 0.53 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 16:49 | 1       |
| alpha-BHC              | ND          |              | 2.2 | 0.39 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 16:49 | 1       |
| beta-BHC               | ND          |              | 2.2 | 0.39 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 16:49 | 1       |
| cis-Chlordane          | ND          |              | 2.2 | 1.1  | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 16:49 | 1       |
| delta-BHC              | ND          |              | 2.2 | 0.40 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 16:49 | 1       |
| <b>Dieldrin</b>        | <b>2.5</b>  | <b>NJ</b>    | 2.2 | 0.52 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 16:49 | 1       |
| Endosulfan I           | ND          |              | 2.2 | 0.41 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 16:49 | 1       |
| Endosulfan II          | ND          |              | 2.2 | 0.39 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 16:49 | 1       |
| Endosulfan sulfate     | ND          |              | 2.2 | 0.40 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 16:49 | 1       |
| <b>Endrin</b>          | <b>1.5</b>  | <b>J</b>     | 2.2 | 0.42 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 16:49 | 1       |
| <b>Endrin aldehyde</b> | <b>3.4</b>  | <b>J</b>     | 2.2 | 0.55 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 16:49 | 1       |
| Endrin ketone          | ND          |              | 2.2 | 0.53 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 16:49 | 1       |
| gamma-BHC (Lindane)    | ND          |              | 2.2 | 0.39 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 16:49 | 1       |
| Heptachlor             | ND          |              | 2.2 | 0.46 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 16:49 | 1       |
| Heptachlor epoxide     | ND          |              | 2.2 | 0.55 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 16:49 | 1       |
| Methoxychlor           | ND          |              | 2.2 | 0.44 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 16:49 | 1       |
| <b>Mirex</b>           | <b>0.96</b> | <b>-J-NJ</b> | 2.2 | 0.53 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 16:49 | 1       |
| Toxaphene              | ND          |              | 22  | 12   | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 16:49 | 1       |
| <b>trans-Chlordane</b> | <b>1.5</b>  | <b>-J-NJ</b> | 2.2 | 0.68 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 16:49 | 1       |

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ALH 9/23/21

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

**Client Sample ID: SS-17-0002**

**Lab Sample ID: 480-186319-23**

**Date Collected: 06/21/21 12:25**

**Matrix: Solid**

**Date Received: 06/21/21 16:14**

**Percent Solids: 75.8**

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| DCB Decachlorobiphenyl | 82        |           | 45 - 120 | 06/28/21 15:10 | 06/29/21 16:49 | 1       |
| DCB Decachlorobiphenyl | 91        |           | 45 - 120 | 06/28/21 15:10 | 06/29/21 16:49 | 1       |
| Tetrachloro-m-xylene   | 64        |           | 30 - 124 | 06/28/21 15:10 | 06/29/21 16:49 | 1       |
| Tetrachloro-m-xylene   | 54        |           | 30 - 124 | 06/28/21 15:10 | 06/29/21 16:49 | 1       |

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

| Analyte         | Result      | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------|-------------|-----------|------|-------|-------|---|----------------|----------------|---------|
| PCB-1016        | ND          |           | 0.33 | 0.064 | mg/Kg | ☼ | 06/29/21 08:04 | 06/30/21 06:15 | 1       |
| PCB-1221        | ND          |           | 0.33 | 0.064 | mg/Kg | ☼ | 06/29/21 08:04 | 06/30/21 06:15 | 1       |
| PCB-1232        | ND          |           | 0.33 | 0.064 | mg/Kg | ☼ | 06/29/21 08:04 | 06/30/21 06:15 | 1       |
| PCB-1242        | ND          |           | 0.33 | 0.064 | mg/Kg | ☼ | 06/29/21 08:04 | 06/30/21 06:15 | 1       |
| PCB-1248        | ND          |           | 0.33 | 0.064 | mg/Kg | ☼ | 06/29/21 08:04 | 06/30/21 06:15 | 1       |
| PCB-1254        | ND          |           | 0.33 | 0.15  | mg/Kg | ☼ | 06/29/21 08:04 | 06/30/21 06:15 | 1       |
| <b>PCB-1260</b> | <b>0.37</b> |           | 0.33 | 0.15  | mg/Kg | ☼ | 06/29/21 08:04 | 06/30/21 06:15 | 1       |
| PCB-1262        | ND          |           | 0.33 | 0.15  | mg/Kg | ☼ | 06/29/21 08:04 | 06/30/21 06:15 | 1       |
| PCB-1268        | ND          |           | 0.33 | 0.15  | mg/Kg | ☼ | 06/29/21 08:04 | 06/30/21 06:15 | 1       |

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| Tetrachloro-m-xylene   | 124       |           | 60 - 154 | 06/29/21 08:04 | 06/30/21 06:15 | 1       |
| Tetrachloro-m-xylene   | 128       |           | 60 - 154 | 06/29/21 08:04 | 06/30/21 06:15 | 1       |
| DCB Decachlorobiphenyl | 120       |           | 65 - 174 | 06/29/21 08:04 | 06/30/21 06:15 | 1       |
| DCB Decachlorobiphenyl | 100       |           | 65 - 174 | 06/29/21 08:04 | 06/30/21 06:15 | 1       |

## Method: 6010C - Metals (ICP)

| Analyte          | Result       | Qualifier   | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|------------------|--------------|-------------|------|-------|-------|---|----------------|----------------|---------|
| <b>Aluminum</b>  | <b>11100</b> |             | 12.5 | 5.5   | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 14:51 | 1       |
| Antimony         | ND           |             | 18.8 | 0.50  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 14:51 | 1       |
| <b>Arsenic</b>   | <b>6.7</b>   |             | 2.5  | 0.50  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 14:51 | 1       |
| <b>Barium</b>    | <b>116</b>   | <b>^6+</b>  | 0.63 | 0.14  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 14:51 | 1       |
| <b>Beryllium</b> | <b>0.56</b>  |             | 0.25 | 0.035 | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 14:51 | 1       |
| <b>Cadmium</b>   | <b>6.1</b>   |             | 0.25 | 0.038 | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 14:51 | 1       |
| <b>Calcium</b>   | <b>27200</b> | <b>B</b>    | 62.7 | 4.1   | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 14:51 | 1       |
| <b>Chromium</b>  | <b>39.6</b>  |             | 0.63 | 0.25  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 14:51 | 1       |
| <b>Cobalt</b>    | <b>7.9</b>   |             | 0.63 | 0.063 | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 14:51 | 1       |
| <b>Copper</b>    | <b>82.8</b>  |             | 1.3  | 0.26  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 14:51 | 1       |
| <b>Iron</b>      | <b>21400</b> | <b>B ^+</b> | 12.5 | 4.4   | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 14:51 | 1       |
| <b>Lead</b>      | <b>101</b>   |             | 1.3  | 0.30  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 14:51 | 1       |
| <b>Magnesium</b> | <b>10100</b> | <b>B</b>    | 25.1 | 1.2   | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 14:51 | 1       |
| <b>Manganese</b> | <b>414</b>   | <b>B</b>    | 0.25 | 0.040 | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 14:51 | 1       |
| <b>Nickel</b>    | <b>36.3</b>  |             | 6.3  | 0.29  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 14:51 | 1       |
| <b>Potassium</b> | <b>2500</b>  |             | 37.6 | 25.1  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 14:51 | 1       |
| <b>Selenium</b>  | <b>2.0</b>   | <b>J</b>    | 5.0  | 0.50  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 14:51 | 1       |
| <b>Silver</b>    | <b>3.4</b>   |             | 0.75 | 0.25  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 14:51 | 1       |
| <b>Sodium</b>    | <b>166</b>   | <b>J</b>    | 175  | 16.3  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 14:51 | 1       |
| Thallium         | ND           |             | 7.5  | 0.38  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 14:51 | 1       |
| <b>Vanadium</b>  | <b>25.4</b>  |             | 0.63 | 0.14  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 14:51 | 1       |
| <b>Zinc</b>      | <b>340</b>   |             | 2.5  | 0.80  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 14:51 | 1       |

## Method: 7471B - Mercury (CVAA)

| Analyte        | Result      | Qualifier | RL    | MDL    | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------------|-------------|-----------|-------|--------|-------|---|----------------|----------------|---------|
| <b>Mercury</b> | <b>0.75</b> |           | 0.027 | 0.0062 | mg/Kg | ☼ | 06/24/21 17:36 | 06/24/21 19:17 | 1       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

Client Sample ID: SS-17-0212

Lab Sample ID: 480-186319-24

Date Collected: 06/21/21 12:30

Matrix: Solid

Date Received: 06/21/21 16:14

Percent Solids: 85.0

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

| Analyte                       | Result | Qualifier   | RL    | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|--------|-------------|-------|------|-------|---|----------------|----------------|---------|
| 2,4,5-Trichlorophenol         | ND     |             | 1000  | 270  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 19:42 | 5       |
| 2,4,6-Trichlorophenol         | ND     |             | 1000  | 200  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 19:42 | 5       |
| 2,4-Dichlorophenol            | ND     |             | 1000  | 110  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 19:42 | 5       |
| 2,4-Dimethylphenol            | ND     |             | 1000  | 240  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 19:42 | 5       |
| 2,4-Dinitrophenol             | ND     |             | 9700  | 4600 | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 19:42 | 5       |
| 2,4-Dinitrotoluene            | ND     |             | 1000  | 200  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 19:42 | 5       |
| 2,6-Dinitrotoluene            | ND     |             | 1000  | 120  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 19:42 | 5       |
| 2-Chloronaphthalene           | ND     |             | 1000  | 160  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 19:42 | 5       |
| 2-Chlorophenol                | ND     |             | 1900  | 180  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 19:42 | 5       |
| 2-Methylnaphthalene           | ND     |             | 1000  | 200  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 19:42 | 5       |
| 2-Methylphenol                | ND     |             | 1000  | 120  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 19:42 | 5       |
| 2-Nitroaniline                | ND     |             | 1900  | 150  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 19:42 | 5       |
| 2-Nitrophenol                 | ND     |             | 1000  | 280  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 19:42 | 5       |
| 3,3'-Dichlorobenzidine        | ND     |             | 1900  | 1200 | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 19:42 | 5       |
| 3-Nitroaniline                | ND     |             | 1900  | 280  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 19:42 | 5       |
| 4,6-Dinitro-2-methylphenol    | ND     |             | 1900  | 1000 | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 19:42 | 5       |
| 4-Bromophenyl phenyl ether    | ND     |             | 1000  | 140  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 19:42 | 5       |
| 4-Chloro-3-methylphenol       | ND     |             | 1000  | 250  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 19:42 | 5       |
| 4-Chloroaniline               | ND     |             | 1000  | 250  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 19:42 | 5       |
| 4-Chlorophenyl phenyl ether   | ND     |             | 1000  | 120  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 19:42 | 5       |
| 4-Methylphenol                | ND     |             | 1900  | 120  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 19:42 | 5       |
| 4-Nitroaniline                | ND     |             | 1900  | 520  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 19:42 | 5       |
| 4-Nitrophenol                 | ND     |             | 1900  | 700  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 19:42 | 5       |
| Acenaphthene                  | ND     |             | 1000  | 150  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 19:42 | 5       |
| Acenaphthylene                | ND     |             | 1000  | 130  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 19:42 | 5       |
| Acetophenone                  | ND     |             | 1000  | 130  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 19:42 | 5       |
| Anthracene                    | ND     |             | 1000  | 250  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 19:42 | 5       |
| Atrazine                      | ND     |             | 1000  | 350  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 19:42 | 5       |
| Benzaldehyde                  | ND     |             | 1000  | 790  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 19:42 | 5       |
| Benzo(a)anthracene            | 210    | J           | 1000  | 100  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 19:42 | 5       |
| Benzo(a)pyrene                | 210    | J           | 1000  | 150  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 19:42 | 5       |
| Benzo(b)fluoranthene          | 290    | J           | 1000  | 160  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 19:42 | 5       |
| Benzo(g,h,i)perylene          | 180    | J           | 1000  | 110  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 19:42 | 5       |
| Benzo(k)fluoranthene          | ND     |             | 1000  | 130  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 19:42 | 5       |
| Benzoic acid                  | ND     |             | 28000 | 8800 | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 19:42 | 5       |
| Biphenyl                      | ND     |             | 1000  | 150  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 19:42 | 5       |
| bis (2-chloroisopropyl) ether | ND     |             | 1000  | 200  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 19:42 | 5       |
| Bis(2-chloroethoxy)methane    | ND     |             | 1000  | 210  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 19:42 | 5       |
| Bis(2-chloroethyl)ether       | ND     |             | 1000  | 130  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 19:42 | 5       |
| Bis(2-ethylhexyl) phthalate   | ND     |             | 1000  | 340  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 19:42 | 5       |
| Butyl benzyl phthalate        | ND     |             | 1000  | 160  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 19:42 | 5       |
| Caprolactam                   | ND     |             | 1000  | 300  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 19:42 | 5       |
| Carbazole                     | ND     |             | 1000  | 120  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 19:42 | 5       |
| Chrysene                      | 280    | J           | 1000  | 220  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 19:42 | 5       |
| Dibenz(a,h)anthracene         | ND     |             | 1000  | 180  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 19:42 | 5       |
| Dibenzofuran                  | ND     |             | 1000  | 120  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 19:42 | 5       |
| Diethyl phthalate             | ND     |             | 1000  | 130  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 19:42 | 5       |
| Dimethyl phthalate            | ND     |             | 1000  | 120  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 19:42 | 5       |
| Di-n-butyl phthalate          | 1000   | 630--J-B- U | 1000  | 170  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 19:42 | 5       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

Client Sample ID: SS-17-0212

Lab Sample ID: 480-186319-24

Date Collected: 06/21/21 12:30

Matrix: Solid

Date Received: 06/21/21 16:14

Percent Solids: 85.0

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

| Analyte                       | Result     | Qualifier | RL   | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|------------|-----------|------|------|-------|---|----------------|----------------|---------|
| Di-n-octyl phthalate          | ND         |           | 1000 | 120  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 19:42 | 5       |
| <b>Fluoranthene</b>           | <b>370</b> | <b>J</b>  | 1000 | 110  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 19:42 | 5       |
| Fluorene                      | ND         |           | 1000 | 120  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 19:42 | 5       |
| Hexachlorobenzene             | ND         |           | 1000 | 130  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 19:42 | 5       |
| Hexachlorobutadiene           | ND         |           | 1000 | 150  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 19:42 | 5       |
| Hexachlorocyclopentadiene     | ND         |           | 1000 | 130  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 19:42 | 5       |
| Hexachloroethane              | ND         |           | 1000 | 130  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 19:42 | 5       |
| <b>Indeno(1,2,3-cd)pyrene</b> | <b>150</b> | <b>J</b>  | 1000 | 120  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 19:42 | 5       |
| Isophorone                    | ND         |           | 1000 | 210  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 19:42 | 5       |
| Naphthalene                   | ND         |           | 1000 | 130  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 19:42 | 5       |
| Nitrobenzene                  | ND         |           | 1000 | 110  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 19:42 | 5       |
| N-Nitrosodi-n-propylamine     | ND         |           | 1000 | 170  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 19:42 | 5       |
| N-Nitrosodiphenylamine        | ND         |           | 1000 | 810  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 19:42 | 5       |
| Pentachlorophenol             | ND         |           | 1900 | 1000 | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 19:42 | 5       |
| <b>Phenanthrene</b>           | <b>210</b> | <b>J</b>  | 1000 | 150  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 19:42 | 5       |
| Phenol                        | ND         |           | 1000 | 150  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 19:42 | 5       |
| <b>Pyrene</b>                 | <b>290</b> | <b>J</b>  | 1000 | 120  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 19:42 | 5       |

| Surrogate            | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 2,4,6-Tribromophenol | 72        |           | 54 - 120 | 06/29/21 15:10 | 07/01/21 19:42 | 5       |
| 2-Fluorobiphenyl     | 73        |           | 60 - 120 | 06/29/21 15:10 | 07/01/21 19:42 | 5       |
| 2-Fluorophenol       | 66        |           | 52 - 120 | 06/29/21 15:10 | 07/01/21 19:42 | 5       |
| Nitrobenzene-d5      | 69        |           | 53 - 120 | 06/29/21 15:10 | 07/01/21 19:42 | 5       |
| p-Terphenyl-d14      | 79        |           | 79 - 130 | 06/29/21 15:10 | 07/01/21 19:42 | 5       |
| Phenol-d5            | 65        |           | 54 - 120 | 06/29/21 15:10 | 07/01/21 19:42 | 5       |

## Method: 8081B - Organochlorine Pesticides (GC)

| Analyte             | Result         | Qualifier   | RL  | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------------|-------------|-----|-----|-------|---|----------------|----------------|---------|
| 4,4'-DDD            | ND             |             | 98  | 19  | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 17:09 | 50      |
| 4,4'-DDE            | ND             |             | 98  | 20  | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 17:09 | 50      |
| <b>4,4'-DDT</b>     | <b>98 - 44</b> | <b>J- U</b> | 98  | 23  | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 17:09 | 50      |
| Aldrin              | ND             |             | 98  | 24  | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 17:09 | 50      |
| alpha-BHC           | ND             |             | 98  | 18  | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 17:09 | 50      |
| beta-BHC            | ND             |             | 98  | 18  | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 17:09 | 50      |
| cis-Chlordane       | ND             |             | 98  | 49  | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 17:09 | 50      |
| delta-BHC           | ND             |             | 98  | 18  | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 17:09 | 50      |
| Dieldrin            | ND             |             | 98  | 23  | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 17:09 | 50      |
| Endosulfan I        | ND             |             | 98  | 19  | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 17:09 | 50      |
| Endosulfan II       | ND             |             | 98  | 18  | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 17:09 | 50      |
| Endosulfan sulfate  | ND             |             | 98  | 18  | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 17:09 | 50      |
| Endrin              | ND             |             | 98  | 19  | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 17:09 | 50      |
| Endrin aldehyde     | ND             |             | 98  | 25  | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 17:09 | 50      |
| Endrin ketone       | ND             |             | 98  | 24  | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 17:09 | 50      |
| gamma-BHC (Lindane) | ND             |             | 98  | 18  | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 17:09 | 50      |
| Heptachlor          | ND             |             | 98  | 21  | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 17:09 | 50      |
| Heptachlor epoxide  | ND             |             | 98  | 25  | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 17:09 | 50      |
| Methoxychlor        | ND             |             | 98  | 20  | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 17:09 | 50      |
| Mirex               | ND             |             | 98  | 24  | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 17:09 | 50      |
| Toxaphene           | ND             |             | 980 | 570 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 17:09 | 50      |
| trans-Chlordane     | ND             |             | 98  | 31  | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 17:09 | 50      |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

**Client Sample ID: SS-17-0212**

**Lab Sample ID: 480-186319-24**

**Date Collected: 06/21/21 12:30**

**Matrix: Solid**

**Date Received: 06/21/21 16:14**

**Percent Solids: 85.0**

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| DCB Decachlorobiphenyl | 0         | S1-       | 45 - 120 | 06/28/21 15:10 | 06/29/21 17:09 | 50      |
| DCB Decachlorobiphenyl | 0         | S1-       | 45 - 120 | 06/28/21 15:10 | 06/29/21 17:09 | 50      |
| Tetrachloro-m-xylene   | 0         | S1-       | 30 - 124 | 06/28/21 15:10 | 06/29/21 17:09 | 50      |
| Tetrachloro-m-xylene   | 0         | S1-       | 30 - 124 | 06/28/21 15:10 | 06/29/21 17:09 | 50      |

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

| Analyte         | Result      | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------|-------------|-----------|------|-------|-------|---|----------------|----------------|---------|
| PCB-1016        | ND          |           | 0.28 | 0.055 | mg/Kg | ☼ | 06/29/21 08:04 | 06/30/21 06:28 | 1       |
| PCB-1221        | ND          |           | 0.28 | 0.055 | mg/Kg | ☼ | 06/29/21 08:04 | 06/30/21 06:28 | 1       |
| PCB-1232        | ND          |           | 0.28 | 0.055 | mg/Kg | ☼ | 06/29/21 08:04 | 06/30/21 06:28 | 1       |
| PCB-1242        | ND          |           | 0.28 | 0.055 | mg/Kg | ☼ | 06/29/21 08:04 | 06/30/21 06:28 | 1       |
| PCB-1248        | ND          |           | 0.28 | 0.055 | mg/Kg | ☼ | 06/29/21 08:04 | 06/30/21 06:28 | 1       |
| PCB-1254        | ND          |           | 0.28 | 0.13  | mg/Kg | ☼ | 06/29/21 08:04 | 06/30/21 06:28 | 1       |
| <b>PCB-1260</b> | <b>0.79</b> |           | 0.28 | 0.13  | mg/Kg | ☼ | 06/29/21 08:04 | 06/30/21 06:28 | 1       |
| PCB-1262        | ND          |           | 0.28 | 0.13  | mg/Kg | ☼ | 06/29/21 08:04 | 06/30/21 06:28 | 1       |
| PCB-1268        | ND          |           | 0.28 | 0.13  | mg/Kg | ☼ | 06/29/21 08:04 | 06/30/21 06:28 | 1       |

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| Tetrachloro-m-xylene   | 128       |           | 60 - 154 | 06/29/21 08:04 | 06/30/21 06:28 | 1       |
| Tetrachloro-m-xylene   | 135       |           | 60 - 154 | 06/29/21 08:04 | 06/30/21 06:28 | 1       |
| DCB Decachlorobiphenyl | 126       |           | 65 - 174 | 06/29/21 08:04 | 06/30/21 06:28 | 1       |
| DCB Decachlorobiphenyl | 108       |           | 65 - 174 | 06/29/21 08:04 | 06/30/21 06:28 | 1       |

## Method: 6010C - Metals (ICP)

| Analyte          | Result       | Qualifier   | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|------------------|--------------|-------------|------|-------|-------|---|----------------|----------------|---------|
| <b>Aluminum</b>  | <b>12200</b> |             | 11.5 | 5.0   | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 14:55 | 1       |
| <b>Antimony</b>  | <b>2.2</b>   | <b>J</b>    | 17.2 | 0.46  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 14:55 | 1       |
| <b>Arsenic</b>   | <b>9.0</b>   |             | 2.3  | 0.46  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 14:55 | 1       |
| <b>Barium</b>    | <b>158</b>   | <b>^6+</b>  | 0.57 | 0.13  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 14:55 | 1       |
| <b>Beryllium</b> | <b>0.80</b>  |             | 0.23 | 0.032 | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 14:55 | 1       |
| <b>Cadmium</b>   | <b>12.6</b>  |             | 0.23 | 0.034 | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 14:55 | 1       |
| <b>Calcium</b>   | <b>27000</b> | <b>B</b>    | 57.3 | 3.8   | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 14:55 | 1       |
| <b>Chromium</b>  | <b>47.0</b>  |             | 0.57 | 0.23  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 14:55 | 1       |
| <b>Cobalt</b>    | <b>8.6</b>   |             | 0.57 | 0.057 | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 14:55 | 1       |
| <b>Copper</b>    | <b>115</b>   |             | 1.1  | 0.24  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 14:55 | 1       |
| <b>Iron</b>      | <b>26800</b> | <b>B ^+</b> | 11.5 | 4.0   | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 14:55 | 1       |
| <b>Lead</b>      | <b>129</b>   |             | 1.1  | 0.28  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 14:55 | 1       |
| <b>Magnesium</b> | <b>9630</b>  | <b>B</b>    | 22.9 | 1.1   | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 14:55 | 1       |
| <b>Manganese</b> | <b>419</b>   | <b>B</b>    | 0.23 | 0.037 | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 14:55 | 1       |
| <b>Nickel</b>    | <b>40.2</b>  |             | 5.7  | 0.26  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 14:55 | 1       |
| <b>Potassium</b> | <b>2110</b>  |             | 34.4 | 22.9  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 14:55 | 1       |
| <b>Selenium</b>  | <b>2.3</b>   | <b>J</b>    | 4.6  | 0.46  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 14:55 | 1       |
| <b>Silver</b>    | <b>4.4</b>   |             | 0.69 | 0.23  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 14:55 | 1       |
| <b>Sodium</b>    | <b>195</b>   |             | 160  | 14.9  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 14:55 | 1       |
| Thallium         | ND           |             | 6.9  | 0.34  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 14:55 | 1       |
| <b>Vanadium</b>  | <b>25.9</b>  |             | 0.57 | 0.13  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 14:55 | 1       |
| <b>Zinc</b>      | <b>318</b>   |             | 2.3  | 0.73  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 14:55 | 1       |

## Method: 7471B - Mercury (CVAA)

| Analyte        | Result      | Qualifier | RL    | MDL    | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------------|-------------|-----------|-------|--------|-------|---|----------------|----------------|---------|
| <b>Mercury</b> | <b>0.78</b> |           | 0.024 | 0.0056 | mg/Kg | ☼ | 06/24/21 17:36 | 06/24/21 19:18 | 1       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

**Client Sample ID: SS-18-0002**

**Lab Sample ID: 480-186319-25**

**Date Collected: 06/21/21 12:35**

**Matrix: Solid**

**Date Received: 06/21/21 16:14**

**Percent Solids: 73.9**

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

| Analyte                       | Result | Qualifier | RL    | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|--------|-----------|-------|-------|-------|---|----------------|----------------|---------|
| 2,4,5-Trichlorophenol         | ND     |           | 1100  | 310   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 20:06 | 5       |
| 2,4,6-Trichlorophenol         | ND     |           | 1100  | 230   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 20:06 | 5       |
| 2,4-Dichlorophenol            | ND     |           | 1100  | 120   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 20:06 | 5       |
| 2,4-Dimethylphenol            | ND     |           | 1100  | 270   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 20:06 | 5       |
| 2,4-Dinitrophenol             | ND     |           | 11000 | 5200  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 20:06 | 5       |
| 2,4-Dinitrotoluene            | ND     |           | 1100  | 230   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 20:06 | 5       |
| 2,6-Dinitrotoluene            | ND     |           | 1100  | 130   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 20:06 | 5       |
| 2-Chloronaphthalene           | ND     |           | 1100  | 190   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 20:06 | 5       |
| 2-Chlorophenol                | ND     |           | 2200  | 210   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 20:06 | 5       |
| 2-Methylnaphthalene           | ND     |           | 1100  | 230   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 20:06 | 5       |
| 2-Methylphenol                | ND     |           | 1100  | 130   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 20:06 | 5       |
| 2-Nitroaniline                | ND     |           | 2200  | 170   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 20:06 | 5       |
| 2-Nitrophenol                 | ND     |           | 1100  | 320   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 20:06 | 5       |
| 3,3'-Dichlorobenzidine        | ND     |           | 2200  | 1300  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 20:06 | 5       |
| 3-Nitroaniline                | ND     |           | 2200  | 310   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 20:06 | 5       |
| 4,6-Dinitro-2-methylphenol    | ND     |           | 2200  | 1100  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 20:06 | 5       |
| 4-Bromophenyl phenyl ether    | ND     |           | 1100  | 160   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 20:06 | 5       |
| 4-Chloro-3-methylphenol       | ND     |           | 1100  | 280   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 20:06 | 5       |
| 4-Chloroaniline               | ND     |           | 1100  | 280   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 20:06 | 5       |
| 4-Chlorophenyl phenyl ether   | ND     |           | 1100  | 140   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 20:06 | 5       |
| 4-Methylphenol                | ND     |           | 2200  | 130   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 20:06 | 5       |
| 4-Nitroaniline                | ND     |           | 2200  | 590   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 20:06 | 5       |
| 4-Nitrophenol                 | ND     |           | 2200  | 790   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 20:06 | 5       |
| Acenaphthene                  | ND     |           | 1100  | 170   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 20:06 | 5       |
| Acenaphthylene                | ND     |           | 1100  | 150   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 20:06 | 5       |
| Acetophenone                  | ND     |           | 1100  | 150   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 20:06 | 5       |
| Anthracene                    | ND     |           | 1100  | 280   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 20:06 | 5       |
| Atrazine                      | ND     |           | 1100  | 390   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 20:06 | 5       |
| Benzaldehyde                  | ND     |           | 1100  | 900   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 20:06 | 5       |
| Benzo(a)anthracene            | 640    | J         | 1100  | 110   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 20:06 | 5       |
| Benzo(a)pyrene                | 580    | J         | 1100  | 170   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 20:06 | 5       |
| Benzo(b)fluoranthene          | 890    | J         | 1100  | 180   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 20:06 | 5       |
| Benzo(g,h,i)perylene          | 400    | J         | 1100  | 120   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 20:06 | 5       |
| Benzo(k)fluoranthene          | 240    | J         | 1100  | 150   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 20:06 | 5       |
| Benzoic acid                  | ND     |           | 32000 | 10000 | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 20:06 | 5       |
| Biphenyl                      | ND     |           | 1100  | 170   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 20:06 | 5       |
| bis (2-chloroisopropyl) ether | ND     |           | 1100  | 230   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 20:06 | 5       |
| Bis(2-chloroethoxy)methane    | ND     |           | 1100  | 240   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 20:06 | 5       |
| Bis(2-chloroethyl)ether       | ND     |           | 1100  | 150   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 20:06 | 5       |
| Bis(2-ethylhexyl) phthalate   | ND     |           | 1100  | 390   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 20:06 | 5       |
| Butyl benzyl phthalate        | ND     |           | 1100  | 190   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 20:06 | 5       |
| Caprolactam                   | ND     |           | 1100  | 340   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 20:06 | 5       |
| Carbazole                     | ND     |           | 1100  | 130   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 20:06 | 5       |
| Chrysene                      | 670    | J         | 1100  | 250   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 20:06 | 5       |
| Dibenz(a,h)anthracene         | ND     |           | 1100  | 200   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 20:06 | 5       |
| Dibenzofuran                  | ND     |           | 1100  | 130   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 20:06 | 5       |
| Diethyl phthalate             | ND     |           | 1100  | 150   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 20:06 | 5       |
| Dimethyl phthalate            | ND     |           | 1100  | 130   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 20:06 | 5       |
| Di-n-butyl phthalate          | ND     |           | 1100  | 190   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 20:06 | 5       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

Client Sample ID: SS-18-0002

Lab Sample ID: 480-186319-25

Date Collected: 06/21/21 12:35

Matrix: Solid

Date Received: 06/21/21 16:14

Percent Solids: 73.9

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

| Analyte                       | Result       | Qualifier | RL   | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|--------------|-----------|------|------|-------|---|----------------|----------------|---------|
| Di-n-octyl phthalate          | ND           |           | 1100 | 130  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 20:06 | 5       |
| <b>Fluoranthene</b>           | <b>1100</b>  |           | 1100 | 120  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 20:06 | 5       |
| Fluorene                      | ND           |           | 1100 | 130  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 20:06 | 5       |
| Hexachlorobenzene             | ND           |           | 1100 | 150  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 20:06 | 5       |
| Hexachlorobutadiene           | ND           |           | 1100 | 170  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 20:06 | 5       |
| Hexachlorocyclopentadiene     | ND           |           | 1100 | 150  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 20:06 | 5       |
| Hexachloroethane              | ND           |           | 1100 | 150  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 20:06 | 5       |
| <b>Indeno(1,2,3-cd)pyrene</b> | <b>400 J</b> |           | 1100 | 140  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 20:06 | 5       |
| Isophorone                    | ND           |           | 1100 | 240  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 20:06 | 5       |
| Naphthalene                   | ND           |           | 1100 | 150  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 20:06 | 5       |
| Nitrobenzene                  | ND           |           | 1100 | 130  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 20:06 | 5       |
| N-Nitrosodi-n-propylamine     | ND           |           | 1100 | 190  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 20:06 | 5       |
| N-Nitrosodiphenylamine        | ND           |           | 1100 | 920  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 20:06 | 5       |
| Pentachlorophenol             | ND           |           | 2200 | 1100 | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 20:06 | 5       |
| <b>Phenanthrene</b>           | <b>520 J</b> |           | 1100 | 170  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 20:06 | 5       |
| Phenol                        | ND           |           | 1100 | 170  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 20:06 | 5       |
| <b>Pyrene</b>                 | <b>970 J</b> |           | 1100 | 130  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 20:06 | 5       |

| Surrogate            | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 2,4,6-Tribromophenol | 95        |           | 54 - 120 | 06/29/21 15:10 | 07/01/21 20:06 | 5       |
| 2-Fluorobiphenyl     | 80        |           | 60 - 120 | 06/29/21 15:10 | 07/01/21 20:06 | 5       |
| 2-Fluorophenol       | 72        |           | 52 - 120 | 06/29/21 15:10 | 07/01/21 20:06 | 5       |
| Nitrobenzene-d5      | 78        |           | 53 - 120 | 06/29/21 15:10 | 07/01/21 20:06 | 5       |
| p-Terphenyl-d14      | 89        |           | 79 - 130 | 06/29/21 15:10 | 07/01/21 20:06 | 5       |
| Phenol-d5            | 73        |           | 54 - 120 | 06/29/21 15:10 | 07/01/21 20:06 | 5       |

## Method: 8081B - Organochlorine Pesticides (GC)

| Analyte                | Result            | Qualifier | RL  | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|------------------------|-------------------|-----------|-----|-----|-------|---|----------------|----------------|---------|
| 4,4'-DDD               | ND                |           | 44  | 8.6 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 17:28 | 20      |
| 4,4'-DDE               | ND                |           | 44  | 9.3 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 17:28 | 20      |
| <b>4,4'-DDT</b>        | <b>170</b>        |           | 44  | 10  | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 17:28 | 20      |
| Aldrin                 | ND                |           | 44  | 11  | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 17:28 | 20      |
| alpha-BHC              | ND                |           | 44  | 8.0 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 17:28 | 20      |
| beta-BHC               | ND                |           | 44  | 8.0 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 17:28 | 20      |
| cis-Chlordane          | ND                |           | 44  | 22  | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 17:28 | 20      |
| delta-BHC              | ND                |           | 44  | 8.3 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 17:28 | 20      |
| <b>Dieldrin</b>        | <b>39 --J--NJ</b> |           | 44  | 11  | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 17:28 | 20      |
| Endosulfan I           | ND                |           | 44  | 8.5 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 17:28 | 20      |
| Endosulfan II          | ND                |           | 44  | 8.0 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 17:28 | 20      |
| Endosulfan sulfate     | ND                |           | 44  | 8.3 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 17:28 | 20      |
| Endrin                 | ND                |           | 44  | 8.8 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 17:28 | 20      |
| <b>Endrin aldehyde</b> | <b>14 --J--J</b>  |           | 44  | 11  | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 17:28 | 20      |
| Endrin ketone          | ND                |           | 44  | 11  | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 17:28 | 20      |
| gamma-BHC (Lindane)    | ND                |           | 44  | 8.1 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 17:28 | 20      |
| Heptachlor             | ND                |           | 44  | 9.6 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 17:28 | 20      |
| Heptachlor epoxide     | ND                |           | 44  | 11  | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 17:28 | 20      |
| Methoxychlor           | ND                |           | 44  | 9.0 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 17:28 | 20      |
| Mirex                  | ND                |           | 44  | 11  | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 17:28 | 20      |
| Toxaphene              | ND                |           | 440 | 260 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 17:28 | 20      |
| trans-Chlordane        | ND                |           | 44  | 14  | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 17:28 | 20      |

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ALH 9/23/21

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

**Client Sample ID: SS-18-0002**

**Lab Sample ID: 480-186319-25**

**Date Collected: 06/21/21 12:35**

**Matrix: Solid**

**Date Received: 06/21/21 16:14**

**Percent Solids: 73.9**

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| DCB Decachlorobiphenyl | 126       | S1+       | 45 - 120 | 06/28/21 15:10 | 06/29/21 17:28 | 20      |
| DCB Decachlorobiphenyl | 196       | S1+       | 45 - 120 | 06/28/21 15:10 | 06/29/21 17:28 | 20      |
| Tetrachloro-m-xylene   | 0         | S1-       | 30 - 124 | 06/28/21 15:10 | 06/29/21 17:28 | 20      |
| Tetrachloro-m-xylene   | 0         | S1-       | 30 - 124 | 06/28/21 15:10 | 06/29/21 17:28 | 20      |

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

| Analyte         | Result     | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------|------------|-----------|------|-------|-------|---|----------------|----------------|---------|
| PCB-1016        | ND         |           | 0.29 | 0.056 | mg/Kg | ☼ | 06/29/21 08:04 | 06/30/21 06:41 | 1       |
| PCB-1221        | ND         |           | 0.29 | 0.056 | mg/Kg | ☼ | 06/29/21 08:04 | 06/30/21 06:41 | 1       |
| PCB-1232        | ND         |           | 0.29 | 0.056 | mg/Kg | ☼ | 06/29/21 08:04 | 06/30/21 06:41 | 1       |
| PCB-1242        | ND         |           | 0.29 | 0.056 | mg/Kg | ☼ | 06/29/21 08:04 | 06/30/21 06:41 | 1       |
| PCB-1248        | ND         |           | 0.29 | 0.056 | mg/Kg | ☼ | 06/29/21 08:04 | 06/30/21 06:41 | 1       |
| PCB-1254        | ND         |           | 0.29 | 0.13  | mg/Kg | ☼ | 06/29/21 08:04 | 06/30/21 06:41 | 1       |
| <b>PCB-1260</b> | <b>2.6</b> |           | 0.29 | 0.13  | mg/Kg | ☼ | 06/29/21 08:04 | 06/30/21 06:41 | 1       |
| PCB-1262        | ND         |           | 0.29 | 0.13  | mg/Kg | ☼ | 06/29/21 08:04 | 06/30/21 06:41 | 1       |
| PCB-1268        | ND         |           | 0.29 | 0.13  | mg/Kg | ☼ | 06/29/21 08:04 | 06/30/21 06:41 | 1       |

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| Tetrachloro-m-xylene   | 134       |           | 60 - 154 | 06/29/21 08:04 | 06/30/21 06:41 | 1       |
| Tetrachloro-m-xylene   | 141       |           | 60 - 154 | 06/29/21 08:04 | 06/30/21 06:41 | 1       |
| DCB Decachlorobiphenyl | 139       |           | 65 - 174 | 06/29/21 08:04 | 06/30/21 06:41 | 1       |
| DCB Decachlorobiphenyl | 106       |           | 65 - 174 | 06/29/21 08:04 | 06/30/21 06:41 | 1       |

## Method: 6010C - Metals (ICP)

| Analyte          | Result       | Qualifier   | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|------------------|--------------|-------------|------|-------|-------|---|----------------|----------------|---------|
| <b>Aluminum</b>  | <b>13700</b> |             | 14.1 | 6.2   | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 14:59 | 1       |
| <b>Antimony</b>  | <b>5.1</b>   | <b>J</b>    | 21.2 | 0.57  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 14:59 | 1       |
| <b>Arsenic</b>   | <b>11.5</b>  |             | 2.8  | 0.57  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 14:59 | 1       |
| <b>Barium</b>    | <b>255</b>   | <b>^6+</b>  | 0.71 | 0.16  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 14:59 | 1       |
| <b>Beryllium</b> | <b>0.82</b>  |             | 0.28 | 0.040 | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 14:59 | 1       |
| <b>Cadmium</b>   | <b>57.5</b>  |             | 0.28 | 0.042 | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 14:59 | 1       |
| <b>Calcium</b>   | <b>24300</b> | <b>B</b>    | 70.7 | 4.7   | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 14:59 | 1       |
| <b>Chromium</b>  | <b>86.6</b>  |             | 0.71 | 0.28  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 14:59 | 1       |
| <b>Cobalt</b>    | <b>12.5</b>  |             | 0.71 | 0.071 | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 14:59 | 1       |
| <b>Copper</b>    | <b>156</b>   |             | 1.4  | 0.30  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 14:59 | 1       |
| <b>Iron</b>      | <b>41900</b> | <b>B ^+</b> | 14.1 | 4.9   | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 14:59 | 1       |
| <b>Lead</b>      | <b>397</b>   |             | 1.4  | 0.34  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 14:59 | 1       |
| <b>Magnesium</b> | <b>9740</b>  | <b>B</b>    | 28.3 | 1.3   | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 14:59 | 1       |
| <b>Manganese</b> | <b>512</b>   | <b>B</b>    | 0.28 | 0.045 | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 14:59 | 1       |
| <b>Nickel</b>    | <b>68.6</b>  |             | 7.1  | 0.33  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 14:59 | 1       |
| <b>Potassium</b> | <b>2080</b>  |             | 42.4 | 28.3  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 14:59 | 1       |
| <b>Selenium</b>  | <b>4.2</b>   | <b>J</b>    | 5.7  | 0.57  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 14:59 | 1       |
| <b>Silver</b>    | <b>5.2</b>   |             | 0.85 | 0.28  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 14:59 | 1       |
| <b>Sodium</b>    | <b>327</b>   |             | 198  | 18.4  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 14:59 | 1       |
| Thallium         | ND           |             | 8.5  | 0.42  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 14:59 | 1       |
| <b>Vanadium</b>  | <b>27.8</b>  |             | 0.71 | 0.16  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 14:59 | 1       |
| <b>Zinc</b>      | <b>546</b>   |             | 2.8  | 0.90  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 14:59 | 1       |

## Method: 7471B - Mercury (CVAA)

| Analyte        | Result      | Qualifier | RL  | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------------|-------------|-----------|-----|------|-------|---|----------------|----------------|---------|
| <b>Mercury</b> | <b>19.1</b> |           | 1.2 | 0.27 | mg/Kg | ☼ | 06/24/21 17:36 | 06/24/21 19:37 | 50      |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

Client Sample ID: SS-18-0212

Lab Sample ID: 480-186319-26

Date Collected: 06/21/21 12:40

Matrix: Solid

Date Received: 06/21/21 16:14

Percent Solids: 86.6

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

| Analyte                       | Result | Qualifier  | RL    | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|--------|------------|-------|------|-------|---|----------------|----------------|---------|
| 2,4,5-Trichlorophenol         | ND     |            | 960   | 260  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 20:30 | 5       |
| 2,4,6-Trichlorophenol         | ND     |            | 960   | 190  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 20:30 | 5       |
| 2,4-Dichlorophenol            | ND     |            | 960   | 100  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 20:30 | 5       |
| 2,4-Dimethylphenol            | ND     |            | 960   | 230  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 20:30 | 5       |
| 2,4-Dinitrophenol             | ND     |            | 9300  | 4400 | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 20:30 | 5       |
| 2,4-Dinitrotoluene            | ND     |            | 960   | 200  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 20:30 | 5       |
| 2,6-Dinitrotoluene            | ND     |            | 960   | 110  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 20:30 | 5       |
| 2-Chloronaphthalene           | ND     |            | 960   | 160  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 20:30 | 5       |
| 2-Chlorophenol                | ND     |            | 1900  | 170  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 20:30 | 5       |
| 2-Methylnaphthalene           | ND     |            | 960   | 190  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 20:30 | 5       |
| 2-Methylphenol                | ND     |            | 960   | 110  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 20:30 | 5       |
| 2-Nitroaniline                | ND     |            | 1900  | 140  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 20:30 | 5       |
| 2-Nitrophenol                 | ND     |            | 960   | 270  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 20:30 | 5       |
| 3,3'-Dichlorobenzidine        | ND     |            | 1900  | 1100 | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 20:30 | 5       |
| 3-Nitroaniline                | ND     |            | 1900  | 260  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 20:30 | 5       |
| 4,6-Dinitro-2-methylphenol    | ND     |            | 1900  | 960  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 20:30 | 5       |
| 4-Bromophenyl phenyl ether    | ND     |            | 960   | 130  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 20:30 | 5       |
| 4-Chloro-3-methylphenol       | ND     |            | 960   | 240  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 20:30 | 5       |
| 4-Chloroaniline               | ND     |            | 960   | 240  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 20:30 | 5       |
| 4-Chlorophenyl phenyl ether   | ND     |            | 960   | 120  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 20:30 | 5       |
| 4-Methylphenol                | ND     |            | 1900  | 110  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 20:30 | 5       |
| 4-Nitroaniline                | ND     |            | 1900  | 500  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 20:30 | 5       |
| 4-Nitrophenol                 | ND     |            | 1900  | 670  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 20:30 | 5       |
| Acenaphthene                  | ND     |            | 960   | 140  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 20:30 | 5       |
| Acenaphthylene                | ND     |            | 960   | 120  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 20:30 | 5       |
| Acetophenone                  | ND     |            | 960   | 130  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 20:30 | 5       |
| Anthracene                    | ND     |            | 960   | 240  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 20:30 | 5       |
| Atrazine                      | ND     |            | 960   | 330  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 20:30 | 5       |
| Benzaldehyde                  | ND     |            | 960   | 760  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 20:30 | 5       |
| Benzo(a)anthracene            | ND     |            | 960   | 96   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 20:30 | 5       |
| Benzo(a)pyrene                | 210    | J          | 960   | 140  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 20:30 | 5       |
| Benzo(b)fluoranthene          | 260    | J          | 960   | 150  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 20:30 | 5       |
| Benzo(g,h,i)perylene          | 110    | J          | 960   | 100  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 20:30 | 5       |
| Benzo(k)fluoranthene          | ND     |            | 960   | 120  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 20:30 | 5       |
| Benzoic acid                  | ND     |            | 27000 | 8400 | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 20:30 | 5       |
| Biphenyl                      | ND     |            | 960   | 140  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 20:30 | 5       |
| bis (2-chloroisopropyl) ether | ND     |            | 960   | 190  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 20:30 | 5       |
| Bis(2-chloroethoxy)methane    | ND     |            | 960   | 200  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 20:30 | 5       |
| Bis(2-chloroethyl)ether       | ND     |            | 960   | 120  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 20:30 | 5       |
| Bis(2-ethylhexyl) phthalate   | 520    | J          | 960   | 330  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 20:30 | 5       |
| Butyl benzyl phthalate        | ND     |            | 960   | 160  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 20:30 | 5       |
| Caprolactam                   | ND     |            | 960   | 290  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 20:30 | 5       |
| Carbazole                     | ND     |            | 960   | 110  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 20:30 | 5       |
| Chrysene                      | ND     |            | 960   | 210  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 20:30 | 5       |
| Dibenz(a,h)anthracene         | ND     |            | 960   | 170  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 20:30 | 5       |
| Dibenzofuran                  | ND     |            | 960   | 110  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 20:30 | 5       |
| Diethyl phthalate             | ND     |            | 960   | 120  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 20:30 | 5       |
| Dimethyl phthalate            | ND     |            | 960   | 110  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 20:30 | 5       |
| Di-n-butyl phthalate          | 960    | -160-J-B-U | 960   | 160  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 20:30 | 5       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

Client Sample ID: SS-18-0212

Lab Sample ID: 480-186319-26

Date Collected: 06/21/21 12:40

Matrix: Solid

Date Received: 06/21/21 16:14

Percent Solids: 86.6

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

| Analyte                       | Result     | Qualifier | RL   | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|------------|-----------|------|-----|-------|---|----------------|----------------|---------|
| Di-n-octyl phthalate          | ND         |           | 960  | 110 | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 20:30 | 5       |
| <b>Fluoranthene</b>           | <b>350</b> | <b>J</b>  | 960  | 100 | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 20:30 | 5       |
| Fluorene                      | ND         |           | 960  | 110 | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 20:30 | 5       |
| Hexachlorobenzene             | ND         |           | 960  | 130 | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 20:30 | 5       |
| Hexachlorobutadiene           | ND         |           | 960  | 140 | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 20:30 | 5       |
| Hexachlorocyclopentadiene     | ND         |           | 960  | 130 | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 20:30 | 5       |
| Hexachloroethane              | ND         |           | 960  | 120 | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 20:30 | 5       |
| <b>Indeno(1,2,3-cd)pyrene</b> | <b>130</b> | <b>J</b>  | 960  | 120 | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 20:30 | 5       |
| Isophorone                    | ND         |           | 960  | 200 | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 20:30 | 5       |
| Naphthalene                   | ND         |           | 960  | 120 | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 20:30 | 5       |
| Nitrobenzene                  | ND         |           | 960  | 110 | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 20:30 | 5       |
| N-Nitrosodi-n-propylamine     | ND         |           | 960  | 160 | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 20:30 | 5       |
| N-Nitrosodiphenylamine        | ND         |           | 960  | 780 | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 20:30 | 5       |
| Pentachlorophenol             | ND         |           | 1900 | 960 | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 20:30 | 5       |
| <b>Phenanthrene</b>           | <b>170</b> | <b>J</b>  | 960  | 140 | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 20:30 | 5       |
| Phenol                        | ND         |           | 960  | 150 | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 20:30 | 5       |
| <b>Pyrene</b>                 | <b>280</b> | <b>J</b>  | 960  | 110 | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 20:30 | 5       |

| Surrogate            | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 2,4,6-Tribromophenol | 58        |           | 54 - 120 | 06/29/21 15:10 | 07/01/21 20:30 | 5       |
| 2-Fluorobiphenyl     | 61        |           | 60 - 120 | 06/29/21 15:10 | 07/01/21 20:30 | 5       |
| 2-Fluorophenol       | 54        |           | 52 - 120 | 06/29/21 15:10 | 07/01/21 20:30 | 5       |
| Nitrobenzene-d5      | 59        |           | 53 - 120 | 06/29/21 15:10 | 07/01/21 20:30 | 5       |
| p-Terphenyl-d14      | 65        | S1-       | 79 - 130 | 06/29/21 15:10 | 07/01/21 20:30 | 5       |
| Phenol-d5            | 53        | S1-       | 54 - 120 | 06/29/21 15:10 | 07/01/21 20:30 | 5       |

## Method: 8081B - Organochlorine Pesticides (GC)

| Analyte             | Result     | Qualifier      | RL  | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|------------|----------------|-----|-----|-------|---|----------------|----------------|---------|
| 4,4'-DDD            | ND         |                | 93  | 18  | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 17:48 | 50      |
| <b>4,4'-DDE</b>     | <b>52</b>  | <b>--J--J</b>  | 93  | 20  | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 17:48 | 50      |
| <b>4,4'-DDT</b>     | <b>280</b> | <b>J</b>       | 93  | 22  | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 17:48 | 50      |
| Aldrin              | ND         |                | 93  | 23  | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 17:48 | 50      |
| alpha-BHC           | ND         |                | 93  | 17  | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 17:48 | 50      |
| beta-BHC            | ND         |                | 93  | 17  | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 17:48 | 50      |
| cis-Chlordane       | ND         |                | 93  | 46  | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 17:48 | 50      |
| delta-BHC           | ND         |                | 93  | 17  | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 17:48 | 50      |
| <b>Dieldrin</b>     | <b>72</b>  | <b>--J--NJ</b> | 93  | 22  | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 17:48 | 50      |
| Endosulfan I        | ND         |                | 93  | 18  | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 17:48 | 50      |
| Endosulfan II       | ND         |                | 93  | 17  | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 17:48 | 50      |
| Endosulfan sulfate  | ND         |                | 93  | 17  | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 17:48 | 50      |
| Endrin              | ND         |                | 93  | 18  | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 17:48 | 50      |
| Endrin aldehyde     | ND         |                | 93  | 24  | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 17:48 | 50      |
| Endrin ketone       | ND         |                | 93  | 23  | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 17:48 | 50      |
| gamma-BHC (Lindane) | ND         |                | 93  | 17  | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 17:48 | 50      |
| Heptachlor          | ND         |                | 93  | 20  | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 17:48 | 50      |
| Heptachlor epoxide  | ND         |                | 93  | 24  | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 17:48 | 50      |
| <b>Methoxychlor</b> | <b>40</b>  | <b>--J--J</b>  | 93  | 19  | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 17:48 | 50      |
| Mirex               | ND         |                | 93  | 23  | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 17:48 | 50      |
| Toxaphene           | ND         |                | 930 | 540 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 17:48 | 50      |
| trans-Chlordane     | ND         |                | 93  | 30  | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 17:48 | 50      |

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ALH 9/23/21



# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

**Client Sample ID: SS-18-0212**

**Lab Sample ID: 480-186319-26**

**Date Collected: 06/21/21 12:40**

**Matrix: Solid**

**Date Received: 06/21/21 16:14**

**Percent Solids: 86.6**

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| DCB Decachlorobiphenyl | 0         | S1-       | 45 - 120 | 06/28/21 15:10 | 06/29/21 17:48 | 50      |
| DCB Decachlorobiphenyl | 0         | S1-       | 45 - 120 | 06/28/21 15:10 | 06/29/21 17:48 | 50      |
| Tetrachloro-m-xylene   | 0         | S1-       | 30 - 124 | 06/28/21 15:10 | 06/29/21 17:48 | 50      |
| Tetrachloro-m-xylene   | 0         | S1-       | 30 - 124 | 06/28/21 15:10 | 06/29/21 17:48 | 50      |

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

| Analyte         | Result     | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------|------------|-----------|------|-------|-------|---|----------------|----------------|---------|
| PCB-1016        | ND         |           | 0.22 | 0.042 | mg/Kg | ☼ | 06/29/21 08:04 | 06/30/21 06:54 | 1       |
| PCB-1221        | ND         |           | 0.22 | 0.042 | mg/Kg | ☼ | 06/29/21 08:04 | 06/30/21 06:54 | 1       |
| PCB-1232        | ND         |           | 0.22 | 0.042 | mg/Kg | ☼ | 06/29/21 08:04 | 06/30/21 06:54 | 1       |
| PCB-1242        | ND         |           | 0.22 | 0.042 | mg/Kg | ☼ | 06/29/21 08:04 | 06/30/21 06:54 | 1       |
| PCB-1248        | ND         |           | 0.22 | 0.042 | mg/Kg | ☼ | 06/29/21 08:04 | 06/30/21 06:54 | 1       |
| PCB-1254        | ND         |           | 0.22 | 0.10  | mg/Kg | ☼ | 06/29/21 08:04 | 06/30/21 06:54 | 1       |
| <b>PCB-1260</b> | <b>4.4</b> |           | 0.22 | 0.10  | mg/Kg | ☼ | 06/29/21 08:04 | 06/30/21 06:54 | 1       |
| PCB-1262        | ND         |           | 0.22 | 0.10  | mg/Kg | ☼ | 06/29/21 08:04 | 06/30/21 06:54 | 1       |
| PCB-1268        | ND         |           | 0.22 | 0.10  | mg/Kg | ☼ | 06/29/21 08:04 | 06/30/21 06:54 | 1       |

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| Tetrachloro-m-xylene   | 116       |           | 60 - 154 | 06/29/21 08:04 | 06/30/21 06:54 | 1       |
| Tetrachloro-m-xylene   | 121       |           | 60 - 154 | 06/29/21 08:04 | 06/30/21 06:54 | 1       |
| DCB Decachlorobiphenyl | 111       |           | 65 - 174 | 06/29/21 08:04 | 06/30/21 06:54 | 1       |
| DCB Decachlorobiphenyl | 93        |           | 65 - 174 | 06/29/21 08:04 | 06/30/21 06:54 | 1       |

## Method: 6010C - Metals (ICP)

| Analyte          | Result       | Qualifier   | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|------------------|--------------|-------------|------|-------|-------|---|----------------|----------------|---------|
| <b>Aluminum</b>  | <b>13600</b> |             | 11.8 | 5.2   | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:03 | 1       |
| <b>Antimony</b>  | <b>5.3</b>   | <b>J</b>    | 17.8 | 0.47  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:03 | 1       |
| <b>Arsenic</b>   | <b>10.2</b>  |             | 2.4  | 0.47  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:03 | 1       |
| <b>Barium</b>    | <b>287</b>   | <b>^6+</b>  | 0.59 | 0.13  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:03 | 1       |
| <b>Beryllium</b> | <b>0.82</b>  |             | 0.24 | 0.033 | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:03 | 1       |
| <b>Cadmium</b>   | <b>29.7</b>  |             | 0.24 | 0.036 | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:03 | 1       |
| <b>Calcium</b>   | <b>26400</b> | <b>B</b>    | 59.2 | 3.9   | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:03 | 1       |
| <b>Chromium</b>  | <b>152</b>   |             | 0.59 | 0.24  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:03 | 1       |
| <b>Cobalt</b>    | <b>11.1</b>  |             | 0.59 | 0.059 | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:03 | 1       |
| <b>Copper</b>    | <b>540</b>   |             | 1.2  | 0.25  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:03 | 1       |
| <b>Iron</b>      | <b>36200</b> | <b>B ^+</b> | 11.8 | 4.1   | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:03 | 1       |
| <b>Lead</b>      | <b>311</b>   |             | 1.2  | 0.28  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:03 | 1       |
| <b>Magnesium</b> | <b>8390</b>  | <b>B</b>    | 23.7 | 1.1   | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:03 | 1       |
| <b>Manganese</b> | <b>489</b>   | <b>B</b>    | 0.24 | 0.038 | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:03 | 1       |
| <b>Nickel</b>    | <b>111</b>   |             | 5.9  | 0.27  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:03 | 1       |
| <b>Potassium</b> | <b>1940</b>  |             | 35.5 | 23.7  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:03 | 1       |
| <b>Selenium</b>  | <b>3.7</b>   | <b>J</b>    | 4.7  | 0.47  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:03 | 1       |
| <b>Silver</b>    | <b>7.6</b>   |             | 0.71 | 0.24  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:03 | 1       |
| <b>Sodium</b>    | <b>271</b>   |             | 166  | 15.4  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:03 | 1       |
| Thallium         | ND           |             | 7.1  | 0.36  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:03 | 1       |
| <b>Vanadium</b>  | <b>24.9</b>  |             | 0.59 | 0.13  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:03 | 1       |
| <b>Zinc</b>      | <b>533</b>   |             | 2.4  | 0.76  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:03 | 1       |

## Method: 7471B - Mercury (CVAA)

| Analyte        | Result     | Qualifier | RL  | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------------|------------|-----------|-----|------|-------|---|----------------|----------------|---------|
| <b>Mercury</b> | <b>121</b> |           | 2.4 | 0.55 | mg/Kg | ☼ | 06/24/21 17:36 | 06/24/21 19:42 | 100     |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

**Client Sample ID: SS-19-0002**

**Lab Sample ID: 480-186319-27**

**Date Collected: 06/21/21 12:50**

**Matrix: Solid**

**Date Received: 06/21/21 16:14**

**Percent Solids: 56.3**

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

| Analyte                       | Result      | Qualifier | RL    | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|-------------|-----------|-------|-------|-------|---|----------------|----------------|---------|
| 2,4,5-Trichlorophenol         | ND          |           | 1500  | 410   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 20:53 | 5       |
| 2,4,6-Trichlorophenol         | ND          |           | 1500  | 300   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 20:53 | 5       |
| 2,4-Dichlorophenol            | ND          |           | 1500  | 160   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 20:53 | 5       |
| 2,4-Dimethylphenol            | ND          |           | 1500  | 360   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 20:53 | 5       |
| 2,4-Dinitrophenol             | ND          |           | 15000 | 6900  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 20:53 | 5       |
| 2,4-Dinitrotoluene            | ND          |           | 1500  | 310   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 20:53 | 5       |
| 2,6-Dinitrotoluene            | ND          |           | 1500  | 180   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 20:53 | 5       |
| 2-Chloronaphthalene           | ND          |           | 1500  | 250   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 20:53 | 5       |
| 2-Chlorophenol                | ND          |           | 2900  | 270   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 20:53 | 5       |
| 2-Methylnaphthalene           | ND          |           | 1500  | 300   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 20:53 | 5       |
| 2-Methylphenol                | ND          |           | 1500  | 180   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 20:53 | 5       |
| 2-Nitroaniline                | ND          |           | 2900  | 220   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 20:53 | 5       |
| 2-Nitrophenol                 | ND          |           | 1500  | 420   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 20:53 | 5       |
| 3,3'-Dichlorobenzidine        | ND          |           | 2900  | 1800  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 20:53 | 5       |
| 3-Nitroaniline                | ND          |           | 2900  | 410   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 20:53 | 5       |
| 4,6-Dinitro-2-methylphenol    | ND          |           | 2900  | 1500  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 20:53 | 5       |
| 4-Bromophenyl phenyl ether    | ND          |           | 1500  | 210   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 20:53 | 5       |
| 4-Chloro-3-methylphenol       | ND          |           | 1500  | 370   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 20:53 | 5       |
| 4-Chloroaniline               | ND          |           | 1500  | 370   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 20:53 | 5       |
| 4-Chlorophenyl phenyl ether   | ND          |           | 1500  | 190   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 20:53 | 5       |
| 4-Methylphenol                | ND          |           | 2900  | 180   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 20:53 | 5       |
| 4-Nitroaniline                | ND          |           | 2900  | 780   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 20:53 | 5       |
| 4-Nitrophenol                 | ND          |           | 2900  | 1000  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 20:53 | 5       |
| Acenaphthene                  | ND          |           | 1500  | 220   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 20:53 | 5       |
| Acenaphthylene                | ND          |           | 1500  | 190   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 20:53 | 5       |
| Acetophenone                  | ND          |           | 1500  | 200   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 20:53 | 5       |
| Anthracene                    | ND          |           | 1500  | 370   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 20:53 | 5       |
| Atrazine                      | ND          |           | 1500  | 520   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 20:53 | 5       |
| Benzaldehyde                  | ND          |           | 1500  | 1200  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 20:53 | 5       |
| <b>Benzo(a)anthracene</b>     | <b>1000</b> | <b>J</b>  | 1500  | 150   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 20:53 | 5       |
| <b>Benzo(a)pyrene</b>         | <b>930</b>  | <b>J</b>  | 1500  | 220   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 20:53 | 5       |
| <b>Benzo(b)fluoranthene</b>   | <b>1200</b> | <b>J</b>  | 1500  | 240   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 20:53 | 5       |
| <b>Benzo(g,h,i)perylene</b>   | <b>590</b>  | <b>J</b>  | 1500  | 160   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 20:53 | 5       |
| <b>Benzo(k)fluoranthene</b>   | <b>420</b>  | <b>J</b>  | 1500  | 190   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 20:53 | 5       |
| Benzoic acid                  | ND          |           | 42000 | 13000 | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 20:53 | 5       |
| Biphenyl                      | ND          |           | 1500  | 220   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 20:53 | 5       |
| bis (2-chloroisopropyl) ether | ND          |           | 1500  | 300   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 20:53 | 5       |
| Bis(2-chloroethoxy)methane    | ND          |           | 1500  | 320   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 20:53 | 5       |
| Bis(2-chloroethyl)ether       | ND          |           | 1500  | 190   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 20:53 | 5       |
| Bis(2-ethylhexyl) phthalate   | ND          |           | 1500  | 510   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 20:53 | 5       |
| Butyl benzyl phthalate        | ND          |           | 1500  | 250   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 20:53 | 5       |
| Caprolactam                   | ND          |           | 1500  | 450   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 20:53 | 5       |
| Carbazole                     | ND          |           | 1500  | 180   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 20:53 | 5       |
| <b>Chrysene</b>               | <b>890</b>  | <b>J</b>  | 1500  | 330   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 20:53 | 5       |
| Dibenz(a,h)anthracene         | ND          |           | 1500  | 260   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 20:53 | 5       |
| Dibenzofuran                  | ND          |           | 1500  | 180   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 20:53 | 5       |
| Diethyl phthalate             | ND          |           | 1500  | 190   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 20:53 | 5       |
| Dimethyl phthalate            | ND          |           | 1500  | 180   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 20:53 | 5       |
| Di-n-butyl phthalate          | ND          |           | 1500  | 260   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 20:53 | 5       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

Client Sample ID: SS-19-0002

Lab Sample ID: 480-186319-27

Date Collected: 06/21/21 12:50

Matrix: Solid

Date Received: 06/21/21 16:14

Percent Solids: 56.3

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

| Analyte                       | Result        | Qualifier | RL   | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|---------------|-----------|------|------|-------|---|----------------|----------------|---------|
| Di-n-octyl phthalate          | ND            |           | 1500 | 180  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 20:53 | 5       |
| <b>Fluoranthene</b>           | <b>1600</b>   |           | 1500 | 160  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 20:53 | 5       |
| Fluorene                      | ND            |           | 1500 | 180  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 20:53 | 5       |
| Hexachlorobenzene             | ND            |           | 1500 | 200  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 20:53 | 5       |
| Hexachlorobutadiene           | ND            |           | 1500 | 220  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 20:53 | 5       |
| Hexachlorocyclopentadiene     | ND            |           | 1500 | 200  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 20:53 | 5       |
| Hexachloroethane              | ND            |           | 1500 | 190  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 20:53 | 5       |
| <b>Indeno(1,2,3-cd)pyrene</b> | <b>610 J</b>  |           | 1500 | 190  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 20:53 | 5       |
| Isophorone                    | ND            |           | 1500 | 320  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 20:53 | 5       |
| Naphthalene                   | ND            |           | 1500 | 190  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 20:53 | 5       |
| Nitrobenzene                  | ND            |           | 1500 | 170  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 20:53 | 5       |
| N-Nitrosodi-n-propylamine     | ND            |           | 1500 | 260  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 20:53 | 5       |
| N-Nitrosodiphenylamine        | ND            |           | 1500 | 1200 | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 20:53 | 5       |
| Pentachlorophenol             | ND            |           | 2900 | 1500 | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 20:53 | 5       |
| <b>Phenanthrene</b>           | <b>970 J</b>  |           | 1500 | 220  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 20:53 | 5       |
| Phenol                        | ND            |           | 1500 | 230  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 20:53 | 5       |
| <b>Pyrene</b>                 | <b>1300 J</b> |           | 1500 | 180  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 20:53 | 5       |

| Surrogate            | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 2,4,6-Tribromophenol | 84        |           | 54 - 120 | 06/29/21 15:10 | 07/01/21 20:53 | 5       |
| 2-Fluorobiphenyl     | 85        |           | 60 - 120 | 06/29/21 15:10 | 07/01/21 20:53 | 5       |
| 2-Fluorophenol       | 77        |           | 52 - 120 | 06/29/21 15:10 | 07/01/21 20:53 | 5       |
| Nitrobenzene-d5      | 80        |           | 53 - 120 | 06/29/21 15:10 | 07/01/21 20:53 | 5       |
| p-Terphenyl-d14      | 87        |           | 79 - 130 | 06/29/21 15:10 | 07/01/21 20:53 | 5       |
| Phenol-d5            | 81        |           | 54 - 120 | 06/29/21 15:10 | 07/01/21 20:53 | 5       |

## Method: 8081B - Organochlorine Pesticides (GC)

| Analyte                | Result         | Qualifier | RL  | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|------------------------|----------------|-----------|-----|-----|-------|---|----------------|----------------|---------|
| 4,4'-DDD               | ND             |           | 29  | 5.7 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 18:08 | 10      |
| <b>4,4'-DDE</b>        | <b>12 J</b>    |           | 29  | 6.1 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 18:08 | 10      |
| 4,4'-DDT               | ND             |           | 29  | 6.8 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 18:08 | 10      |
| Aldrin                 | ND             |           | 29  | 7.2 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 18:08 | 10      |
| alpha-BHC              | ND             |           | 29  | 5.3 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 18:08 | 10      |
| beta-BHC               | ND             |           | 29  | 5.3 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 18:08 | 10      |
| cis-Chlordane          | ND             |           | 29  | 15  | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 18:08 | 10      |
| delta-BHC              | ND             |           | 29  | 5.4 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 18:08 | 10      |
| <b>Dieldrin</b>        | <b>20 -JNJ</b> |           | 29  | 7.0 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 18:08 | 10      |
| Endosulfan I           | ND             |           | 29  | 5.6 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 18:08 | 10      |
| Endosulfan II          | ND             |           | 29  | 5.3 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 18:08 | 10      |
| Endosulfan sulfate     | ND             |           | 29  | 5.4 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 18:08 | 10      |
| <b>Endrin</b>          | <b>10 -J-J</b> |           | 29  | 5.8 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 18:08 | 10      |
| <b>Endrin aldehyde</b> | <b>34 J</b>    |           | 29  | 7.5 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 18:08 | 10      |
| Endrin ketone          | ND             |           | 29  | 7.2 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 18:08 | 10      |
| gamma-BHC (Lindane)    | ND             |           | 29  | 5.4 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 18:08 | 10      |
| Heptachlor             | ND             |           | 29  | 6.3 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 18:08 | 10      |
| Heptachlor epoxide     | ND             |           | 29  | 7.5 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 18:08 | 10      |
| Methoxychlor           | ND             |           | 29  | 6.0 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 18:08 | 10      |
| Mirex                  | ND             |           | 29  | 7.1 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 18:08 | 10      |
| Toxaphene              | ND             |           | 290 | 170 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 18:08 | 10      |
| <b>trans-Chlordane</b> | <b>13 -J-J</b> |           | 29  | 9.3 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 18:08 | 10      |

Eurofins TestAmerica, Buffalo

ALH 9/23/21



# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

**Client Sample ID: SS-19-0002**

**Lab Sample ID: 480-186319-27**

**Date Collected: 06/21/21 12:50**

**Matrix: Solid**

**Date Received: 06/21/21 16:14**

**Percent Solids: 56.3**

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| DCB Decachlorobiphenyl | 87        |           | 45 - 120 | 06/28/21 15:10 | 06/29/21 18:08 | 10      |
| DCB Decachlorobiphenyl | 123       | S1+       | 45 - 120 | 06/28/21 15:10 | 06/29/21 18:08 | 10      |
| Tetrachloro-m-xylene   | 0         | S1-       | 30 - 124 | 06/28/21 15:10 | 06/29/21 18:08 | 10      |
| Tetrachloro-m-xylene   | 0         | S1-       | 30 - 124 | 06/28/21 15:10 | 06/29/21 18:08 | 10      |

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

| Analyte         | Result     | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------|------------|-----------|------|-------|-------|---|----------------|----------------|---------|
| PCB-1016        | ND         |           | 0.41 | 0.079 | mg/Kg | ☼ | 06/29/21 08:04 | 06/30/21 07:07 | 1       |
| PCB-1221        | ND         |           | 0.41 | 0.079 | mg/Kg | ☼ | 06/29/21 08:04 | 06/30/21 07:07 | 1       |
| PCB-1232        | ND         |           | 0.41 | 0.079 | mg/Kg | ☼ | 06/29/21 08:04 | 06/30/21 07:07 | 1       |
| PCB-1242        | ND         |           | 0.41 | 0.079 | mg/Kg | ☼ | 06/29/21 08:04 | 06/30/21 07:07 | 1       |
| PCB-1248        | ND         |           | 0.41 | 0.079 | mg/Kg | ☼ | 06/29/21 08:04 | 06/30/21 07:07 | 1       |
| PCB-1254        | ND         |           | 0.41 | 0.19  | mg/Kg | ☼ | 06/29/21 08:04 | 06/30/21 07:07 | 1       |
| <b>PCB-1260</b> | <b>2.5</b> |           | 0.41 | 0.19  | mg/Kg | ☼ | 06/29/21 08:04 | 06/30/21 07:07 | 1       |
| PCB-1262        | ND         |           | 0.41 | 0.19  | mg/Kg | ☼ | 06/29/21 08:04 | 06/30/21 07:07 | 1       |
| PCB-1268        | ND         |           | 0.41 | 0.19  | mg/Kg | ☼ | 06/29/21 08:04 | 06/30/21 07:07 | 1       |

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| Tetrachloro-m-xylene   | 138       |           | 60 - 154 | 06/29/21 08:04 | 06/30/21 07:07 | 1       |
| Tetrachloro-m-xylene   | 145       |           | 60 - 154 | 06/29/21 08:04 | 06/30/21 07:07 | 1       |
| DCB Decachlorobiphenyl | 127       |           | 65 - 174 | 06/29/21 08:04 | 06/30/21 07:07 | 1       |
| DCB Decachlorobiphenyl | 118       |           | 65 - 174 | 06/29/21 08:04 | 06/30/21 07:07 | 1       |

## Method: 6010C - Metals (ICP)

| Analyte          | Result        | Qualifier   | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|------------------|---------------|-------------|------|-------|-------|---|----------------|----------------|---------|
| <b>Aluminum</b>  | <b>10900</b>  |             | 18.5 | 8.2   | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:06 | 1       |
| Antimony         | ND            |             | 27.8 | 0.74  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:06 | 1       |
| <b>Arsenic</b>   | <b>7.7</b>    |             | 3.7  | 0.74  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:06 | 1       |
| <b>Barium</b>    | <b>135</b>    | <b>^6+</b>  | 0.93 | 0.20  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:06 | 1       |
| <b>Beryllium</b> | <b>0.52</b>   |             | 0.37 | 0.052 | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:06 | 1       |
| <b>Cadmium</b>   | <b>5.4</b>    |             | 0.37 | 0.056 | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:06 | 1       |
| <b>Calcium</b>   | <b>124000</b> | <b>B</b>    | 92.7 | 6.1   | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:06 | 1       |
| <b>Chromium</b>  | <b>98.9</b>   |             | 0.93 | 0.37  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:06 | 1       |
| <b>Cobalt</b>    | <b>11.3</b>   |             | 0.93 | 0.093 | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:06 | 1       |
| <b>Copper</b>    | <b>114</b>    |             | 1.9  | 0.39  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:06 | 1       |
| <b>Iron</b>      | <b>24300</b>  | <b>B ^+</b> | 18.5 | 6.5   | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:06 | 1       |
| <b>Lead</b>      | <b>138</b>    |             | 1.9  | 0.45  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:06 | 1       |
| <b>Magnesium</b> | <b>57500</b>  | <b>B</b>    | 37.1 | 1.7   | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:06 | 1       |
| <b>Manganese</b> | <b>1160</b>   | <b>B</b>    | 0.37 | 0.059 | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:06 | 1       |
| <b>Nickel</b>    | <b>51.3</b>   |             | 9.3  | 0.43  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:06 | 1       |
| <b>Potassium</b> | <b>2340</b>   |             | 55.6 | 37.1  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:06 | 1       |
| <b>Selenium</b>  | <b>2.5</b>    | <b>J</b>    | 7.4  | 0.74  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:06 | 1       |
| <b>Silver</b>    | <b>2.9</b>    |             | 1.1  | 0.37  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:06 | 1       |
| <b>Sodium</b>    | <b>256</b>    | <b>J</b>    | 260  | 24.1  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:06 | 1       |
| Thallium         | ND            |             | 11.1 | 0.56  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:06 | 1       |
| <b>Vanadium</b>  | <b>31.1</b>   |             | 0.93 | 0.20  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:06 | 1       |
| <b>Zinc</b>      | <b>427</b>    |             | 3.7  | 1.2   | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:06 | 1       |

## Method: 7471B - Mercury (CVAA)

| Analyte        | Result      | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------------|-------------|-----------|------|-------|-------|---|----------------|----------------|---------|
| <b>Mercury</b> | <b>0.56</b> |           | 0.10 | 0.024 | mg/Kg | ☼ | 07/01/21 13:35 | 07/01/21 15:19 | 1       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

**Client Sample ID: SS-19-0212**

**Lab Sample ID: 480-186319-28**

**Date Collected: 06/21/21 12:55**

**Matrix: Solid**

**Date Received: 06/21/21 16:14**

**Percent Solids: 70.1**

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

| Analyte                       | Result      | Qualifier | RL   | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|-------------|-----------|------|------|-------|---|----------------|----------------|---------|
| 2,4,5-Trichlorophenol         | ND          |           | 240  | 65   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 21:17 | 1       |
| 2,4,6-Trichlorophenol         | ND          |           | 240  | 48   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 21:17 | 1       |
| 2,4-Dichlorophenol            | ND          |           | 240  | 25   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 21:17 | 1       |
| 2,4-Dimethylphenol            | ND          |           | 240  | 58   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 21:17 | 1       |
| 2,4-Dinitrophenol             | ND          |           | 2300 | 1100 | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 21:17 | 1       |
| 2,4-Dinitrotoluene            | ND          |           | 240  | 49   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 21:17 | 1       |
| 2,6-Dinitrotoluene            | ND          |           | 240  | 28   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 21:17 | 1       |
| 2-Chloronaphthalene           | ND          |           | 240  | 40   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 21:17 | 1       |
| 2-Chlorophenol                | ND          |           | 470  | 44   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 21:17 | 1       |
| <b>2-Methylnaphthalene</b>    | <b>120</b>  | <b>J</b>  | 240  | 48   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 21:17 | 1       |
| 2-Methylphenol                | ND          |           | 240  | 28   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 21:17 | 1       |
| 2-Nitroaniline                | ND          |           | 470  | 35   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 21:17 | 1       |
| 2-Nitrophenol                 | ND          |           | 240  | 68   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 21:17 | 1       |
| 3,3'-Dichlorobenzidine        | ND          |           | 470  | 280  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 21:17 | 1       |
| 3-Nitroaniline                | ND          |           | 470  | 66   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 21:17 | 1       |
| 4,6-Dinitro-2-methylphenol    | ND          |           | 470  | 240  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 21:17 | 1       |
| 4-Bromophenyl phenyl ether    | ND          |           | 240  | 34   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 21:17 | 1       |
| 4-Chloro-3-methylphenol       | ND          |           | 240  | 59   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 21:17 | 1       |
| 4-Chloroaniline               | ND          |           | 240  | 59   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 21:17 | 1       |
| 4-Chlorophenyl phenyl ether   | ND          |           | 240  | 30   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 21:17 | 1       |
| 4-Methylphenol                | ND          |           | 470  | 28   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 21:17 | 1       |
| 4-Nitroaniline                | ND          |           | 470  | 130  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 21:17 | 1       |
| 4-Nitrophenol                 | ND          |           | 470  | 170  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 21:17 | 1       |
| <b>Acenaphthene</b>           | <b>330</b>  |           | 240  | 35   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 21:17 | 1       |
| <b>Acenaphthylene</b>         | <b>320</b>  |           | 240  | 31   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 21:17 | 1       |
| Acetophenone                  | ND          |           | 240  | 32   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 21:17 | 1       |
| <b>Anthracene</b>             | <b>1200</b> |           | 240  | 59   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 21:17 | 1       |
| Atrazine                      | ND          |           | 240  | 83   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 21:17 | 1       |
| Benzaldehyde                  | ND          |           | 240  | 190  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 21:17 | 1       |
| <b>Benzo(a)anthracene</b>     | <b>3400</b> |           | 240  | 24   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 21:17 | 1       |
| <b>Benzo(a)pyrene</b>         | <b>3200</b> |           | 240  | 35   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 21:17 | 1       |
| <b>Benzo(b)fluoranthene</b>   | <b>4100</b> |           | 240  | 38   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 21:17 | 1       |
| <b>Benzo(g,h,i)perylene</b>   | <b>1500</b> |           | 240  | 25   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 21:17 | 1       |
| <b>Benzo(k)fluoranthene</b>   | <b>1700</b> |           | 240  | 31   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 21:17 | 1       |
| Benzoic acid                  | ND          |           | 6800 | 2100 | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 21:17 | 1       |
| Biphenyl                      | ND          |           | 240  | 35   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 21:17 | 1       |
| bis (2-chloroisopropyl) ether | ND          |           | 240  | 48   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 21:17 | 1       |
| Bis(2-chloroethoxy)methane    | ND          |           | 240  | 51   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 21:17 | 1       |
| Bis(2-chloroethyl)ether       | ND          |           | 240  | 31   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 21:17 | 1       |
| Bis(2-ethylhexyl) phthalate   | ND          |           | 240  | 82   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 21:17 | 1       |
| Butyl benzyl phthalate        | ND          |           | 240  | 40   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 21:17 | 1       |
| Caprolactam                   | ND          |           | 240  | 72   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 21:17 | 1       |
| <b>Carbazole</b>              | <b>740</b>  |           | 240  | 28   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 21:17 | 1       |
| <b>Chrysene</b>               | <b>3400</b> |           | 240  | 54   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 21:17 | 1       |
| <b>Dibenz(a,h)anthracene</b>  | <b>530</b>  |           | 240  | 42   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 21:17 | 1       |
| <b>Dibenzofuran</b>           | <b>280</b>  |           | 240  | 28   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 21:17 | 1       |
| Diethyl phthalate             | ND          |           | 240  | 31   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 21:17 | 1       |
| Dimethyl phthalate            | ND          |           | 240  | 28   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 21:17 | 1       |
| Di-n-butyl phthalate          | ND          |           | 240  | 41   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 21:17 | 1       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

Client Sample ID: SS-19-0212

Lab Sample ID: 480-186319-28

Date Collected: 06/21/21 12:55

Matrix: Solid

Date Received: 06/21/21 16:14

Percent Solids: 70.1

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

| Analyte                   | Result | Qualifier | RL  | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------------|--------|-----------|-----|-----|-------|---|----------------|----------------|---------|
| Di-n-octyl phthalate      | ND     |           | 240 | 28  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 21:17 | 1       |
| Fluoranthene              | 6500   |           | 240 | 25  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 21:17 | 1       |
| Fluorene                  | 620    |           | 240 | 28  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 21:17 | 1       |
| Hexachlorobenzene         | ND     |           | 240 | 32  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 21:17 | 1       |
| Hexachlorobutadiene       | ND     |           | 240 | 35  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 21:17 | 1       |
| Hexachlorocyclopentadiene | ND     |           | 240 | 32  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 21:17 | 1       |
| Hexachloroethane          | ND     |           | 240 | 31  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 21:17 | 1       |
| Indeno(1,2,3-cd)pyrene    | 1600   |           | 240 | 30  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 21:17 | 1       |
| Isophorone                | ND     |           | 240 | 51  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 21:17 | 1       |
| Naphthalene               | 190    | J         | 240 | 31  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 21:17 | 1       |
| Nitrobenzene              | ND     |           | 240 | 27  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 21:17 | 1       |
| N-Nitrosodi-n-propylamine | ND     |           | 240 | 41  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 21:17 | 1       |
| N-Nitrosodiphenylamine    | ND     |           | 240 | 190 | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 21:17 | 1       |
| Pentachlorophenol         | ND     |           | 470 | 240 | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 21:17 | 1       |
| Phenanthrene              | 4600   |           | 240 | 35  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 21:17 | 1       |
| Phenol                    | ND     |           | 240 | 37  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 21:17 | 1       |
| Pyrene                    | 5100   |           | 240 | 28  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 21:17 | 1       |

| Surrogate            | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 2,4,6-Tribromophenol | 93        |           | 54 - 120 | 06/29/21 15:10 | 07/01/21 21:17 | 1       |
| 2-Fluorobiphenyl     | 86        |           | 60 - 120 | 06/29/21 15:10 | 07/01/21 21:17 | 1       |
| 2-Fluorophenol       | 78        |           | 52 - 120 | 06/29/21 15:10 | 07/01/21 21:17 | 1       |
| Nitrobenzene-d5      | 87        |           | 53 - 120 | 06/29/21 15:10 | 07/01/21 21:17 | 1       |
| p-Terphenyl-d14      | 85        |           | 79 - 130 | 06/29/21 15:10 | 07/01/21 21:17 | 1       |
| Phenol-d5            | 80        |           | 54 - 120 | 06/29/21 15:10 | 07/01/21 21:17 | 1       |

## Method: 8081B - Organochlorine Pesticides (GC)

| Analyte             | Result | Qualifier | RL  | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|--------|-----------|-----|-----|-------|---|----------------|----------------|---------|
| 4,4'-DDD            | 32     | J---NJ    | 48  | 9.2 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 18:28 | 20      |
| 4,4'-DDE            | 56     |           | 48  | 10  | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 18:28 | 20      |
| 4,4'-DDT            | 340    | J         | 48  | 11  | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 18:28 | 20      |
| Aldrin              | ND     |           | 48  | 12  | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 18:28 | 20      |
| alpha-BHC           | ND     |           | 48  | 8.5 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 18:28 | 20      |
| beta-BHC            | ND     |           | 48  | 8.5 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 18:28 | 20      |
| cis-Chlordane       | ND     |           | 48  | 24  | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 18:28 | 20      |
| delta-BHC           | ND     |           | 48  | 8.8 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 18:28 | 20      |
| Dieldrin            | 43     | -J-J      | 48  | 11  | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 18:28 | 20      |
| Endosulfan I        | ND     |           | 48  | 9.1 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 18:28 | 20      |
| Endosulfan II       | ND     |           | 48  | 8.5 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 18:28 | 20      |
| Endosulfan sulfate  | ND     |           | 48  | 8.9 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 18:28 | 20      |
| Endrin              | 17     | -J-J      | 48  | 9.4 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 18:28 | 20      |
| Endrin aldehyde     | 30     | -J-J      | 48  | 12  | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 18:28 | 20      |
| Endrin ketone       | ND     |           | 48  | 12  | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 18:28 | 20      |
| gamma-BHC (Lindane) | ND     |           | 48  | 8.7 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 18:28 | 20      |
| Heptachlor          | ND     |           | 48  | 10  | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 18:28 | 20      |
| Heptachlor epoxide  | ND     |           | 48  | 12  | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 18:28 | 20      |
| Methoxychlor        | 40     | -J---NJ   | 48  | 9.7 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 18:28 | 20      |
| Mirex               | ND     |           | 48  | 12  | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 18:28 | 20      |
| Toxaphene           | ND     |           | 480 | 280 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 18:28 | 20      |
| trans-Chlordane     | 18     | -J-NJ     | 48  | 15  | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 18:28 | 20      |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

**Client Sample ID: SS-19-0212**

**Lab Sample ID: 480-186319-28**

**Date Collected: 06/21/21 12:55**

**Matrix: Solid**

**Date Received: 06/21/21 16:14**

**Percent Solids: 70.1**

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| DCB Decachlorobiphenyl | 156       | S1+       | 45 - 120 | 06/28/21 15:10 | 06/29/21 18:28 | 20      |
| DCB Decachlorobiphenyl | 614       | S1+       | 45 - 120 | 06/28/21 15:10 | 06/29/21 18:28 | 20      |
| Tetrachloro-m-xylene   | 0         | S1-       | 30 - 124 | 06/28/21 15:10 | 06/29/21 18:28 | 20      |
| Tetrachloro-m-xylene   | 0         | S1-       | 30 - 124 | 06/28/21 15:10 | 06/29/21 18:28 | 20      |

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

| Analyte         | Result     | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------|------------|-----------|------|-------|-------|---|----------------|----------------|---------|
| PCB-1016        | ND         |           | 0.35 | 0.069 | mg/Kg | ☼ | 06/30/21 15:12 | 07/01/21 15:19 | 1       |
| PCB-1221        | ND         |           | 0.35 | 0.069 | mg/Kg | ☼ | 06/30/21 15:12 | 07/01/21 15:19 | 1       |
| PCB-1232        | ND         |           | 0.35 | 0.069 | mg/Kg | ☼ | 06/30/21 15:12 | 07/01/21 15:19 | 1       |
| PCB-1242        | ND         |           | 0.35 | 0.069 | mg/Kg | ☼ | 06/30/21 15:12 | 07/01/21 15:19 | 1       |
| PCB-1248        | ND         |           | 0.35 | 0.069 | mg/Kg | ☼ | 06/30/21 15:12 | 07/01/21 15:19 | 1       |
| PCB-1254        | ND         |           | 0.35 | 0.16  | mg/Kg | ☼ | 06/30/21 15:12 | 07/01/21 15:19 | 1       |
| <b>PCB-1260</b> | <b>4.3</b> | <b>J</b>  | 0.35 | 0.16  | mg/Kg | ☼ | 06/30/21 15:12 | 07/01/21 15:19 | 1       |
| PCB-1262        | ND         |           | 0.35 | 0.16  | mg/Kg | ☼ | 06/30/21 15:12 | 07/01/21 15:19 | 1       |
| PCB-1268        | ND         |           | 0.35 | 0.16  | mg/Kg | ☼ | 06/30/21 15:12 | 07/01/21 15:19 | 1       |

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| Tetrachloro-m-xylene   | 95        |           | 60 - 154 | 06/30/21 15:12 | 07/01/21 15:19 | 1       |
| Tetrachloro-m-xylene   | 99        |           | 60 - 154 | 06/30/21 15:12 | 07/01/21 15:19 | 1       |
| DCB Decachlorobiphenyl | 111       |           | 65 - 174 | 06/30/21 15:12 | 07/01/21 15:19 | 1       |
| DCB Decachlorobiphenyl | 108       |           | 65 - 174 | 06/30/21 15:12 | 07/01/21 15:19 | 1       |

## Method: 6010C - Metals (ICP)

| Analyte          | Result       | Qualifier   | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|------------------|--------------|-------------|------|-------|-------|---|----------------|----------------|---------|
| <b>Aluminum</b>  | <b>15700</b> |             | 14.6 | 6.4   | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:10 | 1       |
| <b>Antimony</b>  | <b>1.9</b>   | <b>J</b>    | 21.8 | 0.58  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:10 | 1       |
| <b>Arsenic</b>   | <b>12.9</b>  |             | 2.9  | 0.58  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:10 | 1       |
| <b>Barium</b>    | <b>709</b>   | <b>^6+</b>  | 0.73 | 0.16  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:10 | 1       |
| <b>Beryllium</b> | <b>0.73</b>  |             | 0.29 | 0.041 | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:10 | 1       |
| <b>Cadmium</b>   | <b>10.8</b>  |             | 0.29 | 0.044 | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:10 | 1       |
| <b>Calcium</b>   | <b>33100</b> | <b>B</b>    | 72.8 | 4.8   | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:10 | 1       |
| <b>Chromium</b>  | <b>270</b>   |             | 0.73 | 0.29  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:10 | 1       |
| <b>Cobalt</b>    | <b>15.0</b>  |             | 0.73 | 0.073 | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:10 | 1       |
| <b>Copper</b>    | <b>466</b>   |             | 1.5  | 0.31  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:10 | 1       |
| <b>Iron</b>      | <b>41400</b> | <b>B ^+</b> | 14.6 | 5.1   | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:10 | 1       |
| <b>Lead</b>      | <b>622</b>   |             | 1.5  | 0.35  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:10 | 1       |
| <b>Magnesium</b> | <b>12800</b> | <b>B</b>    | 29.1 | 1.4   | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:10 | 1       |
| <b>Manganese</b> | <b>692</b>   | <b>B</b>    | 0.29 | 0.047 | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:10 | 1       |
| <b>Nickel</b>    | <b>170</b>   |             | 7.3  | 0.33  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:10 | 1       |
| <b>Potassium</b> | <b>2110</b>  |             | 43.7 | 29.1  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:10 | 1       |
| <b>Selenium</b>  | <b>4.5</b>   | <b>J</b>    | 5.8  | 0.58  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:10 | 1       |
| <b>Silver</b>    | <b>5.6</b>   |             | 0.87 | 0.29  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:10 | 1       |
| <b>Sodium</b>    | <b>244</b>   |             | 204  | 18.9  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:10 | 1       |
| Thallium         | ND           |             | 8.7  | 0.44  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:10 | 1       |
| <b>Vanadium</b>  | <b>32.0</b>  |             | 0.73 | 0.16  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:10 | 1       |
| <b>Zinc</b>      | <b>879</b>   |             | 2.9  | 0.93  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:10 | 1       |

## Method: 7471B - Mercury (CVAA)

| Analyte        | Result     | Qualifier | RL    | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------------|------------|-----------|-------|-------|-------|---|----------------|----------------|---------|
| <b>Mercury</b> | <b>1.4</b> |           | 0.070 | 0.016 | mg/Kg | ☼ | 07/01/21 13:35 | 07/01/21 15:20 | 1       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

Client Sample ID: SS-20-0002

Lab Sample ID: 480-186319-29

Date Collected: 06/21/21 13:00

Matrix: Solid

Date Received: 06/21/21 16:14

Percent Solids: 71.7

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

| Analyte                       | Result | Qualifier   | RL   | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|--------|-------------|------|------|-------|---|----------------|----------------|---------|
| 2,4,5-Trichlorophenol         | ND     |             | 230  | 62   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 21:40 | 1       |
| 2,4,6-Trichlorophenol         | ND     |             | 230  | 46   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 21:40 | 1       |
| 2,4-Dichlorophenol            | ND     |             | 230  | 24   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 21:40 | 1       |
| 2,4-Dimethylphenol            | ND     |             | 230  | 56   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 21:40 | 1       |
| 2,4-Dinitrophenol             | ND     |             | 2300 | 1100 | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 21:40 | 1       |
| 2,4-Dinitrotoluene            | ND     |             | 230  | 48   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 21:40 | 1       |
| 2,6-Dinitrotoluene            | ND     |             | 230  | 27   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 21:40 | 1       |
| 2-Chloronaphthalene           | ND     |             | 230  | 38   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 21:40 | 1       |
| 2-Chlorophenol                | ND     |             | 450  | 42   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 21:40 | 1       |
| 2-Methylnaphthalene           | ND     |             | 230  | 46   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 21:40 | 1       |
| 2-Methylphenol                | ND     |             | 230  | 27   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 21:40 | 1       |
| 2-Nitroaniline                | ND     |             | 450  | 34   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 21:40 | 1       |
| 2-Nitrophenol                 | ND     |             | 230  | 65   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 21:40 | 1       |
| 3,3'-Dichlorobenzidine        | ND     |             | 450  | 270  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 21:40 | 1       |
| 3-Nitroaniline                | ND     |             | 450  | 64   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 21:40 | 1       |
| 4,6-Dinitro-2-methylphenol    | ND     |             | 450  | 230  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 21:40 | 1       |
| 4-Bromophenyl phenyl ether    | ND     |             | 230  | 33   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 21:40 | 1       |
| 4-Chloro-3-methylphenol       | ND     |             | 230  | 57   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 21:40 | 1       |
| 4-Chloroaniline               | ND     |             | 230  | 57   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 21:40 | 1       |
| 4-Chlorophenyl phenyl ether   | ND     |             | 230  | 29   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 21:40 | 1       |
| 4-Methylphenol                | ND     |             | 450  | 27   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 21:40 | 1       |
| 4-Nitroaniline                | ND     |             | 450  | 120  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 21:40 | 1       |
| 4-Nitrophenol                 | ND     |             | 450  | 160  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 21:40 | 1       |
| Acenaphthene                  | ND     |             | 230  | 34   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 21:40 | 1       |
| Acenaphthylene                | ND     |             | 230  | 30   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 21:40 | 1       |
| Acetophenone                  | ND     |             | 230  | 31   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 21:40 | 1       |
| Anthracene                    | 78     | J           | 230  | 57   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 21:40 | 1       |
| Atrazine                      | ND     |             | 230  | 80   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 21:40 | 1       |
| Benzaldehyde                  | ND     |             | 230  | 180  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 21:40 | 1       |
| Benzo(a)anthracene            | 320    |             | 230  | 23   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 21:40 | 1       |
| Benzo(a)pyrene                | 300    |             | 230  | 34   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 21:40 | 1       |
| Benzo(b)fluoranthene          | 390    |             | 230  | 37   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 21:40 | 1       |
| Benzo(g,h,i)perylene          | 180    | J           | 230  | 24   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 21:40 | 1       |
| Benzo(k)fluoranthene          | 140    | J           | 230  | 30   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 21:40 | 1       |
| Benzoic acid                  | ND     |             | 6500 | 2000 | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 21:40 | 1       |
| Biphenyl                      | ND     |             | 230  | 34   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 21:40 | 1       |
| bis (2-chloroisopropyl) ether | ND     |             | 230  | 46   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 21:40 | 1       |
| Bis(2-chloroethoxy)methane    | ND     |             | 230  | 49   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 21:40 | 1       |
| Bis(2-chloroethyl)ether       | ND     |             | 230  | 30   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 21:40 | 1       |
| Bis(2-ethylhexyl) phthalate   | ND     |             | 230  | 79   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 21:40 | 1       |
| Butyl benzyl phthalate        | ND     |             | 230  | 38   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 21:40 | 1       |
| Caprolactam                   | ND     |             | 230  | 69   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 21:40 | 1       |
| Carbazole                     | 47     | J           | 230  | 27   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 21:40 | 1       |
| Chrysene                      | 320    |             | 230  | 52   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 21:40 | 1       |
| Dibenz(a,h)anthracene         | 55     | J           | 230  | 41   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 21:40 | 1       |
| Dibenzofuran                  | ND     |             | 230  | 27   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 21:40 | 1       |
| Diethyl phthalate             | ND     |             | 230  | 30   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 21:40 | 1       |
| Dimethyl phthalate            | ND     |             | 230  | 27   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 21:40 | 1       |
| Di-n-butyl phthalate          | 230    | --43--J-B-U | 230  | 39   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 21:40 | 1       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

Client Sample ID: SS-20-0002

Lab Sample ID: 480-186319-29

Date Collected: 06/21/21 13:00

Matrix: Solid

Date Received: 06/21/21 16:14

Percent Solids: 71.7

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

| Analyte                       | Result     | Qualifier | RL  | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|------------|-----------|-----|-----|-------|---|----------------|----------------|---------|
| Di-n-octyl phthalate          | ND         |           | 230 | 27  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 21:40 | 1       |
| <b>Fluoranthene</b>           | <b>610</b> |           | 230 | 24  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 21:40 | 1       |
| Fluorene                      | ND         |           | 230 | 27  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 21:40 | 1       |
| Hexachlorobenzene             | ND         |           | 230 | 31  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 21:40 | 1       |
| Hexachlorobutadiene           | ND         |           | 230 | 34  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 21:40 | 1       |
| Hexachlorocyclopentadiene     | ND         |           | 230 | 31  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 21:40 | 1       |
| Hexachloroethane              | ND         |           | 230 | 30  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 21:40 | 1       |
| <b>Indeno(1,2,3-cd)pyrene</b> | <b>180</b> | <b>J</b>  | 230 | 29  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 21:40 | 1       |
| Isophorone                    | ND         |           | 230 | 49  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 21:40 | 1       |
| Naphthalene                   | ND         |           | 230 | 30  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 21:40 | 1       |
| Nitrobenzene                  | ND         |           | 230 | 26  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 21:40 | 1       |
| N-Nitrosodi-n-propylamine     | ND         |           | 230 | 39  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 21:40 | 1       |
| N-Nitrosodiphenylamine        | ND         |           | 230 | 190 | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 21:40 | 1       |
| Pentachlorophenol             | ND         |           | 450 | 230 | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 21:40 | 1       |
| <b>Phenanthrene</b>           | <b>320</b> |           | 230 | 34  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 21:40 | 1       |
| <b>Phenol</b>                 | <b>41</b>  | <b>J</b>  | 230 | 35  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 21:40 | 1       |
| <b>Pyrene</b>                 | <b>530</b> |           | 230 | 27  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 21:40 | 1       |

| Surrogate            | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 2,4,6-Tribromophenol | 84        |           | 54 - 120 | 06/29/21 15:10 | 07/01/21 21:40 | 1       |
| 2-Fluorobiphenyl     | 80        |           | 60 - 120 | 06/29/21 15:10 | 07/01/21 21:40 | 1       |
| 2-Fluorophenol       | 68        |           | 52 - 120 | 06/29/21 15:10 | 07/01/21 21:40 | 1       |
| Nitrobenzene-d5      | 76        |           | 53 - 120 | 06/29/21 15:10 | 07/01/21 21:40 | 1       |
| p-Terphenyl-d14      | 82        |           | 79 - 130 | 06/29/21 15:10 | 07/01/21 21:40 | 1       |
| Phenol-d5            | 70        |           | 54 - 120 | 06/29/21 15:10 | 07/01/21 21:40 | 1       |

## Method: 8081B - Organochlorine Pesticides (GC)

| Analyte                | Result      | Qualifier    | RL  | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|------------------------|-------------|--------------|-----|------|-------|---|----------------|----------------|---------|
| 4,4'-DDD               | ND          |              | 2.3 | 0.44 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 18:47 | 1       |
| 4,4'-DDE               | ND          |              | 2.3 | 0.48 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 18:47 | 1       |
| <b>4,4'-DDT</b>        | <b>4.3</b>  | <b>J</b>     | 2.3 | 0.53 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 18:47 | 1       |
| Aldrin                 | ND          |              | 2.3 | 0.56 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 18:47 | 1       |
| alpha-BHC              | ND          |              | 2.3 | 0.41 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 18:47 | 1       |
| beta-BHC               | ND          |              | 2.3 | 0.41 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 18:47 | 1       |
| cis-Chlordane          | ND          |              | 2.3 | 1.1  | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 18:47 | 1       |
| delta-BHC              | ND          |              | 2.3 | 0.42 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 18:47 | 1       |
| <b>Dieldrin</b>        | <b>0.59</b> | <b>-J-NJ</b> | 2.3 | 0.54 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 18:47 | 1       |
| Endosulfan I           | ND          |              | 2.3 | 0.44 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 18:47 | 1       |
| Endosulfan II          | ND          |              | 2.3 | 0.41 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 18:47 | 1       |
| Endosulfan sulfate     | ND          |              | 2.3 | 0.42 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 18:47 | 1       |
| Endrin                 | ND          |              | 2.3 | 0.45 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 18:47 | 1       |
| <b>Endrin aldehyde</b> | <b>2.1</b>  | <b>-J-J</b>  | 2.3 | 0.58 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 18:47 | 1       |
| Endrin ketone          | ND          |              | 2.3 | 0.56 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 18:47 | 1       |
| gamma-BHC (Lindane)    | ND          |              | 2.3 | 0.42 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 18:47 | 1       |
| Heptachlor             | ND          |              | 2.3 | 0.49 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 18:47 | 1       |
| Heptachlor epoxide     | ND          |              | 2.3 | 0.59 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 18:47 | 1       |
| Methoxychlor           | ND          |              | 2.3 | 0.46 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 18:47 | 1       |
| <b>Mirex</b>           | <b>1.9</b>  | <b>-J-J</b>  | 2.3 | 0.56 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 18:47 | 1       |
| Toxaphene              | ND          |              | 23  | 13   | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 18:47 | 1       |
| trans-Chlordane        | ND          |              | 2.3 | 0.72 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 18:47 | 1       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

Client Sample ID: SS-20-0002

Lab Sample ID: 480-186319-29

Date Collected: 06/21/21 13:00

Matrix: Solid

Date Received: 06/21/21 16:14

Percent Solids: 71.7

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| DCB Decachlorobiphenyl | 79        |           | 45 - 120 | 06/28/21 15:10 | 06/29/21 18:47 | 1       |
| DCB Decachlorobiphenyl | 155       | S1+       | 45 - 120 | 06/28/21 15:10 | 06/29/21 18:47 | 1       |
| Tetrachloro-m-xylene   | 80        |           | 30 - 124 | 06/28/21 15:10 | 06/29/21 18:47 | 1       |
| Tetrachloro-m-xylene   | 69        |           | 30 - 124 | 06/28/21 15:10 | 06/29/21 18:47 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| PCB-1016 | ND     |           | 0.33 | 0.065 | mg/Kg | ☼ | 06/30/21 15:12 | 07/01/21 15:31 | 1       |
| PCB-1221 | ND     |           | 0.33 | 0.065 | mg/Kg | ☼ | 06/30/21 15:12 | 07/01/21 15:31 | 1       |
| PCB-1232 | ND     |           | 0.33 | 0.065 | mg/Kg | ☼ | 06/30/21 15:12 | 07/01/21 15:31 | 1       |
| PCB-1242 | ND     |           | 0.33 | 0.065 | mg/Kg | ☼ | 06/30/21 15:12 | 07/01/21 15:31 | 1       |
| PCB-1248 | ND     |           | 0.33 | 0.065 | mg/Kg | ☼ | 06/30/21 15:12 | 07/01/21 15:31 | 1       |
| PCB-1254 | ND     |           | 0.33 | 0.16  | mg/Kg | ☼ | 06/30/21 15:12 | 07/01/21 15:31 | 1       |
| PCB-1260 | ND     | UJ        | 0.33 | 0.16  | mg/Kg | ☼ | 06/30/21 15:12 | 07/01/21 15:31 | 1       |
| PCB-1262 | ND     |           | 0.33 | 0.16  | mg/Kg | ☼ | 06/30/21 15:12 | 07/01/21 15:31 | 1       |
| PCB-1268 | ND     |           | 0.33 | 0.16  | mg/Kg | ☼ | 06/30/21 15:12 | 07/01/21 15:31 | 1       |

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| Tetrachloro-m-xylene   | 99        |           | 60 - 154 | 06/30/21 15:12 | 07/01/21 15:31 | 1       |
| Tetrachloro-m-xylene   | 102       |           | 60 - 154 | 06/30/21 15:12 | 07/01/21 15:31 | 1       |
| DCB Decachlorobiphenyl | 94        |           | 65 - 174 | 06/30/21 15:12 | 07/01/21 15:31 | 1       |
| DCB Decachlorobiphenyl | 94        |           | 65 - 174 | 06/30/21 15:12 | 07/01/21 15:31 | 1       |

## Method: 6010C - Metals (ICP)

| Analyte   | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| Aluminum  | 12600  |           | 13.7 | 6.0   | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:14 | 1       |
| Antimony  | ND     |           | 20.6 | 0.55  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:14 | 1       |
| Arsenic   | 4.8    |           | 2.7  | 0.55  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:14 | 1       |
| Barium    | 76.0   | ^6+       | 0.69 | 0.15  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:14 | 1       |
| Beryllium | 0.46   |           | 0.27 | 0.038 | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:14 | 1       |
| Cadmium   | 3.7    |           | 0.27 | 0.041 | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:14 | 1       |
| Calcium   | 10700  | B         | 68.7 | 4.5   | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:14 | 1       |
| Chromium  | 25.3   |           | 0.69 | 0.27  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:14 | 1       |
| Cobalt    | 6.3    |           | 0.69 | 0.069 | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:14 | 1       |
| Copper    | 32.4   |           | 1.4  | 0.29  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:14 | 1       |
| Iron      | 22200  | B ^+      | 13.7 | 4.8   | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:14 | 1       |
| Lead      | 126    |           | 1.4  | 0.33  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:14 | 1       |
| Magnesium | 4610   | B         | 27.5 | 1.3   | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:14 | 1       |
| Manganese | 290    | B         | 0.27 | 0.044 | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:14 | 1       |
| Nickel    | 26.3   |           | 6.9  | 0.32  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:14 | 1       |
| Potassium | 1740   |           | 41.2 | 27.5  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:14 | 1       |
| Selenium  | 1.9    | J         | 5.5  | 0.55  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:14 | 1       |
| Silver    | ND     |           | 0.82 | 0.27  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:14 | 1       |
| Sodium    | 102    | J         | 192  | 17.9  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:14 | 1       |
| Thallium  | ND     |           | 8.2  | 0.41  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:14 | 1       |
| Vanadium  | 26.7   |           | 0.69 | 0.15  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:14 | 1       |
| Zinc      | 274    |           | 2.7  | 0.88  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:14 | 1       |

## Method: 7471B - Mercury (CVAA)

| Analyte | Result | Qualifier | RL    | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------|--------|-----------|-------|-------|-------|---|----------------|----------------|---------|
| Mercury | 0.12   |           | 0.079 | 0.018 | mg/Kg | ☼ | 07/01/21 13:35 | 07/01/21 15:21 | 1       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

Client Sample ID: SS-20-0212

Lab Sample ID: 480-186319-30

Date Collected: 06/21/21 13:05

Matrix: Solid

Date Received: 06/21/21 16:14

Percent Solids: 69.4

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

| Analyte                       | Result | Qualifier | RL    | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|--------|-----------|-------|-------|-------|---|----------------|----------------|---------|
| 2,4,5-Trichlorophenol         | ND     |           | 1200  | 330   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 22:04 | 5       |
| 2,4,6-Trichlorophenol         | ND     |           | 1200  | 240   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 22:04 | 5       |
| 2,4-Dichlorophenol            | ND     |           | 1200  | 130   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 22:04 | 5       |
| 2,4-Dimethylphenol            | ND     |           | 1200  | 290   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 22:04 | 5       |
| 2,4-Dinitrophenol             | ND     |           | 12000 | 5600  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 22:04 | 5       |
| 2,4-Dinitrotoluene            | ND     |           | 1200  | 250   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 22:04 | 5       |
| 2,6-Dinitrotoluene            | ND     |           | 1200  | 140   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 22:04 | 5       |
| 2-Chloronaphthalene           | ND     |           | 1200  | 200   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 22:04 | 5       |
| 2-Chlorophenol                | ND     |           | 2400  | 220   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 22:04 | 5       |
| 2-Methylnaphthalene           | ND     |           | 1200  | 240   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 22:04 | 5       |
| 2-Methylphenol                | ND     |           | 1200  | 140   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 22:04 | 5       |
| 2-Nitroaniline                | ND     |           | 2400  | 180   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 22:04 | 5       |
| 2-Nitrophenol                 | ND     |           | 1200  | 340   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 22:04 | 5       |
| 3,3'-Dichlorobenzidine        | ND     |           | 2400  | 1400  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 22:04 | 5       |
| 3-Nitroaniline                | ND     |           | 2400  | 340   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 22:04 | 5       |
| 4,6-Dinitro-2-methylphenol    | ND     |           | 2400  | 1200  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 22:04 | 5       |
| 4-Bromophenyl phenyl ether    | ND     |           | 1200  | 170   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 22:04 | 5       |
| 4-Chloro-3-methylphenol       | ND     |           | 1200  | 300   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 22:04 | 5       |
| 4-Chloroaniline               | ND     |           | 1200  | 300   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 22:04 | 5       |
| 4-Chlorophenyl phenyl ether   | ND     |           | 1200  | 150   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 22:04 | 5       |
| 4-Methylphenol                | 410    | J         | 2400  | 140   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 22:04 | 5       |
| 4-Nitroaniline                | ND     |           | 2400  | 640   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 22:04 | 5       |
| 4-Nitrophenol                 | ND     |           | 2400  | 850   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 22:04 | 5       |
| Acenaphthene                  | ND     |           | 1200  | 180   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 22:04 | 5       |
| Acenaphthylene                | ND     |           | 1200  | 160   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 22:04 | 5       |
| Acetophenone                  | 440    | J         | 1200  | 160   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 22:04 | 5       |
| Anthracene                    | ND     |           | 1200  | 300   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 22:04 | 5       |
| Atrazine                      | ND     |           | 1200  | 420   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 22:04 | 5       |
| Benzaldehyde                  | ND     |           | 1200  | 970   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 22:04 | 5       |
| Benzo(a)anthracene            | 810    | J         | 1200  | 120   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 22:04 | 5       |
| Benzo(a)pyrene                | 820    | J         | 1200  | 180   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 22:04 | 5       |
| Benzo(b)fluoranthene          | 1200   |           | 1200  | 190   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 22:04 | 5       |
| Benzo(g,h,i)perylene          | 700    | J         | 1200  | 130   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 22:04 | 5       |
| Benzo(k)fluoranthene          | 290    | J         | 1200  | 160   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 22:04 | 5       |
| Benzoic acid                  | ND     |           | 34000 | 11000 | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 22:04 | 5       |
| Biphenyl                      | ND     |           | 1200  | 180   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 22:04 | 5       |
| bis (2-chloroisopropyl) ether | ND     |           | 1200  | 240   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 22:04 | 5       |
| Bis(2-chloroethoxy)methane    | ND     |           | 1200  | 260   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 22:04 | 5       |
| Bis(2-chloroethyl)ether       | ND     |           | 1200  | 160   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 22:04 | 5       |
| Bis(2-ethylhexyl) phthalate   | ND     |           | 1200  | 420   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 22:04 | 5       |
| Butyl benzyl phthalate        | ND     |           | 1200  | 200   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 22:04 | 5       |
| Caprolactam                   | ND     |           | 1200  | 370   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 22:04 | 5       |
| Carbazole                     | 170    | J         | 1200  | 140   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 22:04 | 5       |
| Chrysene                      | 1500   |           | 1200  | 270   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 22:04 | 5       |
| Dibenz(a,h)anthracene         | 270    | J         | 1200  | 210   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 22:04 | 5       |
| Dibenzofuran                  | ND     |           | 1200  | 140   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 22:04 | 5       |
| Diethyl phthalate             | ND     |           | 1200  | 160   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 22:04 | 5       |
| Dimethyl phthalate            | ND     |           | 1200  | 140   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 22:04 | 5       |
| Di-n-butyl phthalate          | ND     |           | 1200  | 210   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 22:04 | 5       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

Client Sample ID: SS-20-0212

Lab Sample ID: 480-186319-30

Date Collected: 06/21/21 13:05

Matrix: Solid

Date Received: 06/21/21 16:14

Percent Solids: 69.4

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

| Analyte                       | Result       | Qualifier | RL   | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|--------------|-----------|------|------|-------|---|----------------|----------------|---------|
| Di-n-octyl phthalate          | ND           |           | 1200 | 140  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 22:04 | 5       |
| <b>Fluoranthene</b>           | <b>1500</b>  |           | 1200 | 130  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 22:04 | 5       |
| Fluorene                      | ND           |           | 1200 | 140  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 22:04 | 5       |
| Hexachlorobenzene             | ND           |           | 1200 | 160  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 22:04 | 5       |
| Hexachlorobutadiene           | ND           |           | 1200 | 180  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 22:04 | 5       |
| Hexachlorocyclopentadiene     | ND           |           | 1200 | 160  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 22:04 | 5       |
| Hexachloroethane              | ND           |           | 1200 | 160  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 22:04 | 5       |
| <b>Indeno(1,2,3-cd)pyrene</b> | <b>390 J</b> |           | 1200 | 150  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 22:04 | 5       |
| Isophorone                    | ND           |           | 1200 | 260  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 22:04 | 5       |
| <b>Naphthalene</b>            | <b>470 J</b> |           | 1200 | 160  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 22:04 | 5       |
| Nitrobenzene                  | ND           |           | 1200 | 140  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 22:04 | 5       |
| N-Nitrosodi-n-propylamine     | ND           |           | 1200 | 210  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 22:04 | 5       |
| N-Nitrosodiphenylamine        | ND           |           | 1200 | 990  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 22:04 | 5       |
| Pentachlorophenol             | ND           |           | 2400 | 1200 | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 22:04 | 5       |
| <b>Phenanthrene</b>           | <b>1300</b>  |           | 1200 | 180  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 22:04 | 5       |
| Phenol                        | ND           |           | 1200 | 190  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 22:04 | 5       |
| <b>Pyrene</b>                 | <b>1300</b>  |           | 1200 | 140  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 22:04 | 5       |

| Surrogate            | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 2,4,6-Tribromophenol | 93        |           | 54 - 120 | 06/29/21 15:10 | 07/01/21 22:04 | 5       |
| 2-Fluorobiphenyl     | 76        |           | 60 - 120 | 06/29/21 15:10 | 07/01/21 22:04 | 5       |
| 2-Fluorophenol       | 67        |           | 52 - 120 | 06/29/21 15:10 | 07/01/21 22:04 | 5       |
| Nitrobenzene-d5      | 73        |           | 53 - 120 | 06/29/21 15:10 | 07/01/21 22:04 | 5       |
| p-Terphenyl-d14      | 81        |           | 79 - 130 | 06/29/21 15:10 | 07/01/21 22:04 | 5       |
| Phenol-d5            | 72        |           | 54 - 120 | 06/29/21 15:10 | 07/01/21 22:04 | 5       |

## Method: 8081B - Organochlorine Pesticides (GC)

| Analyte             | Result             | Qualifier | RL  | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|--------------------|-----------|-----|-----|-------|---|----------------|----------------|---------|
| <b>4,4'-DDD</b>     | <b>34 --J--J</b>   |           | 48  | 9.3 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 19:07 | 20      |
| 4,4'-DDE            | ND                 |           | 48  | 10  | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 19:07 | 20      |
| <b>4,4'-DDT</b>     | <b>48 32--J- U</b> |           | 48  | 11  | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 19:07 | 20      |
| Aldrin              | ND                 |           | 48  | 12  | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 19:07 | 20      |
| alpha-BHC           | ND                 |           | 48  | 8.6 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 19:07 | 20      |
| beta-BHC            | ND                 |           | 48  | 8.6 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 19:07 | 20      |
| cis-Chlordane       | ND                 |           | 48  | 24  | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 19:07 | 20      |
| delta-BHC           | ND                 |           | 48  | 8.9 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 19:07 | 20      |
| Dieldrin            | ND                 |           | 48  | 12  | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 19:07 | 20      |
| Endosulfan I        | ND                 |           | 48  | 9.2 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 19:07 | 20      |
| Endosulfan II       | ND                 |           | 48  | 8.6 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 19:07 | 20      |
| Endosulfan sulfate  | ND                 |           | 48  | 8.9 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 19:07 | 20      |
| Endrin              | ND                 |           | 48  | 9.5 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 19:07 | 20      |
| Endrin aldehyde     | ND                 |           | 48  | 12  | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 19:07 | 20      |
| Endrin ketone       | ND                 |           | 48  | 12  | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 19:07 | 20      |
| gamma-BHC (Lindane) | ND                 |           | 48  | 8.8 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 19:07 | 20      |
| Heptachlor          | ND                 |           | 48  | 10  | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 19:07 | 20      |
| Heptachlor epoxide  | ND                 |           | 48  | 12  | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 19:07 | 20      |
| Methoxychlor        | ND                 |           | 48  | 9.8 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 19:07 | 20      |
| Mirex               | ND                 |           | 48  | 12  | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 19:07 | 20      |
| Toxaphene           | ND                 |           | 480 | 280 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 19:07 | 20      |
| trans-Chlordane     | ND                 |           | 48  | 15  | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 19:07 | 20      |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

Client Sample ID: SS-20-0212

Lab Sample ID: 480-186319-30

Date Collected: 06/21/21 13:05

Matrix: Solid

Date Received: 06/21/21 16:14

Percent Solids: 69.4

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| DCB Decachlorobiphenyl | 0         | S1-       | 45 - 120 | 06/28/21 15:10 | 06/29/21 19:07 | 20      |
| DCB Decachlorobiphenyl | 0         | S1-       | 45 - 120 | 06/28/21 15:10 | 06/29/21 19:07 | 20      |
| Tetrachloro-m-xylene   | 0         | S1-       | 30 - 124 | 06/28/21 15:10 | 06/29/21 19:07 | 20      |
| Tetrachloro-m-xylene   | 0         | S1-       | 30 - 124 | 06/28/21 15:10 | 06/29/21 19:07 | 20      |

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

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| PCB-1016 | ND     |           | 0.32 | 0.063 | mg/Kg | ☼ | 06/30/21 15:12 | 07/01/21 15:44 | 1       |
| PCB-1221 | ND     |           | 0.32 | 0.063 | mg/Kg | ☼ | 06/30/21 15:12 | 07/01/21 15:44 | 1       |
| PCB-1232 | ND     |           | 0.32 | 0.063 | mg/Kg | ☼ | 06/30/21 15:12 | 07/01/21 15:44 | 1       |
| PCB-1242 | ND     |           | 0.32 | 0.063 | mg/Kg | ☼ | 06/30/21 15:12 | 07/01/21 15:44 | 1       |
| PCB-1248 | ND     |           | 0.32 | 0.063 | mg/Kg | ☼ | 06/30/21 15:12 | 07/01/21 15:44 | 1       |
| PCB-1254 | 0.52   |           | 0.32 | 0.15  | mg/Kg | ☼ | 06/30/21 15:12 | 07/01/21 15:44 | 1       |
| PCB-1260 | ND     | UJ        | 0.32 | 0.15  | mg/Kg | ☼ | 06/30/21 15:12 | 07/01/21 15:44 | 1       |
| PCB-1262 | ND     |           | 0.32 | 0.15  | mg/Kg | ☼ | 06/30/21 15:12 | 07/01/21 15:44 | 1       |
| PCB-1268 | ND     |           | 0.32 | 0.15  | mg/Kg | ☼ | 06/30/21 15:12 | 07/01/21 15:44 | 1       |

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| Tetrachloro-m-xylene   | 93        |           | 60 - 154 | 06/30/21 15:12 | 07/01/21 15:44 | 1       |
| Tetrachloro-m-xylene   | 95        |           | 60 - 154 | 06/30/21 15:12 | 07/01/21 15:44 | 1       |
| DCB Decachlorobiphenyl | 93        |           | 65 - 174 | 06/30/21 15:12 | 07/01/21 15:44 | 1       |
| DCB Decachlorobiphenyl | 80        |           | 65 - 174 | 06/30/21 15:12 | 07/01/21 15:44 | 1       |

## Method: 6010C - Metals (ICP)

| Analyte   | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| Aluminum  | 11200  |           | 14.7 | 6.4   | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:18 | 1       |
| Antimony  | ND     |           | 22.0 | 0.59  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:18 | 1       |
| Arsenic   | 11.7   |           | 2.9  | 0.59  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:18 | 1       |
| Barium    | 106    | ^6+       | 0.73 | 0.16  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:18 | 1       |
| Beryllium | 0.52   |           | 0.29 | 0.041 | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:18 | 1       |
| Cadmium   | 11.9   |           | 0.29 | 0.044 | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:18 | 1       |
| Calcium   | 31300  | B         | 73.3 | 4.8   | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:18 | 1       |
| Chromium  | 44.9   |           | 0.73 | 0.29  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:18 | 1       |
| Cobalt    | 10.6   |           | 0.73 | 0.073 | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:18 | 1       |
| Copper    | 109    |           | 1.5  | 0.31  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:18 | 1       |
| Iron      | 50600  | B ^+      | 14.7 | 5.1   | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:18 | 1       |
| Lead      | 532    |           | 1.5  | 0.35  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:18 | 1       |
| Magnesium | 11100  | B         | 29.3 | 1.4   | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:18 | 1       |
| Manganese | 521    | B         | 0.29 | 0.047 | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:18 | 1       |
| Nickel    | 64.9   |           | 7.3  | 0.34  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:18 | 1       |
| Potassium | 1870   |           | 44.0 | 29.3  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:18 | 1       |
| Selenium  | 4.6    | J         | 5.9  | 0.59  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:18 | 1       |
| Silver    | 0.59   | J         | 0.88 | 0.29  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:18 | 1       |
| Sodium    | 158    | J         | 205  | 19.1  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:18 | 1       |
| Thallium  | ND     |           | 8.8  | 0.44  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:18 | 1       |
| Vanadium  | 26.1   |           | 0.73 | 0.16  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:18 | 1       |
| Zinc      | 727    |           | 2.9  | 0.94  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:18 | 1       |

## Method: 7471B - Mercury (CVAA)

| Analyte | Result | Qualifier | RL    | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------|--------|-----------|-------|-------|-------|---|----------------|----------------|---------|
| Mercury | 0.43   |           | 0.082 | 0.019 | mg/Kg | ☼ | 07/01/21 13:35 | 07/01/21 15:22 | 1       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

**Client Sample ID: SS-21-0002**

**Lab Sample ID: 480-186319-31**

**Date Collected: 06/21/21 08:25**

**Matrix: Solid**

**Date Received: 06/21/21 16:14**

**Percent Solids: 73.5**

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

| Analyte                       | Result     | Qualifier | RL    | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|------------|-----------|-------|------|-------|---|----------------|----------------|---------|
| 2,4,5-Trichlorophenol         | ND         |           | 1100  | 300  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 18:06 | 5       |
| 2,4,6-Trichlorophenol         | ND         |           | 1100  | 230  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 18:06 | 5       |
| 2,4-Dichlorophenol            | ND         |           | 1100  | 120  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 18:06 | 5       |
| 2,4-Dimethylphenol            | ND         |           | 1100  | 270  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 18:06 | 5       |
| 2,4-Dinitrophenol             | ND         |           | 11000 | 5200 | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 18:06 | 5       |
| 2,4-Dinitrotoluene            | ND         |           | 1100  | 230  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 18:06 | 5       |
| 2,6-Dinitrotoluene            | ND         |           | 1100  | 130  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 18:06 | 5       |
| 2-Chloronaphthalene           | ND         |           | 1100  | 190  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 18:06 | 5       |
| 2-Chlorophenol                | ND         |           | 2200  | 210  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 18:06 | 5       |
| 2-Methylnaphthalene           | ND         |           | 1100  | 230  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 18:06 | 5       |
| 2-Methylphenol                | ND         |           | 1100  | 130  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 18:06 | 5       |
| 2-Nitroaniline                | ND         |           | 2200  | 170  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 18:06 | 5       |
| 2-Nitrophenol                 | ND         |           | 1100  | 320  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 18:06 | 5       |
| 3,3'-Dichlorobenzidine        | ND         |           | 2200  | 1300 | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 18:06 | 5       |
| 3-Nitroaniline                | ND         |           | 2200  | 310  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 18:06 | 5       |
| 4,6-Dinitro-2-methylphenol    | ND         |           | 2200  | 1100 | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 18:06 | 5       |
| 4-Bromophenyl phenyl ether    | ND         |           | 1100  | 160  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 18:06 | 5       |
| 4-Chloro-3-methylphenol       | ND         |           | 1100  | 280  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 18:06 | 5       |
| 4-Chloroaniline               | ND         |           | 1100  | 280  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 18:06 | 5       |
| 4-Chlorophenyl phenyl ether   | ND         |           | 1100  | 140  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 18:06 | 5       |
| 4-Methylphenol                | ND         |           | 2200  | 130  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 18:06 | 5       |
| 4-Nitroaniline                | ND         |           | 2200  | 590  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 18:06 | 5       |
| 4-Nitrophenol                 | ND         |           | 2200  | 790  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 18:06 | 5       |
| Acenaphthene                  | ND         |           | 1100  | 170  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 18:06 | 5       |
| Acenaphthylene                | ND         |           | 1100  | 150  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 18:06 | 5       |
| Acetophenone                  | ND         |           | 1100  | 150  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 18:06 | 5       |
| Anthracene                    | ND         |           | 1100  | 280  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 18:06 | 5       |
| Atrazine                      | ND         |           | 1100  | 390  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 18:06 | 5       |
| Benzaldehyde                  | ND         |           | 1100  | 890  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 18:06 | 5       |
| Benzo(a)anthracene            | ND         | F1        | 1100  | 110  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 18:06 | 5       |
| <b>Benzo(a)pyrene</b>         | <b>500</b> | <b>J</b>  | 1100  | 170  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 18:06 | 5       |
| <b>Benzo(b)fluoranthene</b>   | <b>870</b> | <b>J</b>  | 1100  | 180  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 18:06 | 5       |
| <b>Benzo(g,h,i)perylene</b>   | <b>350</b> | <b>J</b>  | 1100  | 120  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 18:06 | 5       |
| Benzo(k)fluoranthene          | ND         |           | 1100  | 150  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 18:06 | 5       |
| Benzoic acid                  | ND         | F1        | 32000 | 9900 | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 18:06 | 5       |
| Biphenyl                      | ND         |           | 1100  | 170  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 18:06 | 5       |
| bis (2-chloroisopropyl) ether | ND         |           | 1100  | 230  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 18:06 | 5       |
| Bis(2-chloroethoxy)methane    | ND         |           | 1100  | 240  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 18:06 | 5       |
| Bis(2-chloroethyl)ether       | ND         |           | 1100  | 150  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 18:06 | 5       |
| Bis(2-ethylhexyl) phthalate   | ND         |           | 1100  | 380  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 18:06 | 5       |
| Butyl benzyl phthalate        | ND         |           | 1100  | 190  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 18:06 | 5       |
| Caprolactam                   | ND         |           | 1100  | 340  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 18:06 | 5       |
| Carbazole                     | ND         |           | 1100  | 130  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 18:06 | 5       |
| <b>Chrysene</b>               | <b>540</b> | <b>J</b>  | 1100  | 250  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 18:06 | 5       |
| Dibenz(a,h)anthracene         | ND         |           | 1100  | 200  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 18:06 | 5       |
| Dibenzofuran                  | ND         |           | 1100  | 130  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 18:06 | 5       |
| Diethyl phthalate             | ND         |           | 1100  | 150  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 18:06 | 5       |
| Dimethyl phthalate            | ND         |           | 1100  | 130  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 18:06 | 5       |
| Di-n-butyl phthalate          | ND         |           | 1100  | 190  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 18:06 | 5       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

**Client Sample ID: SS-21-0002**

**Lab Sample ID: 480-186319-31**

**Date Collected: 06/21/21 08:25**

**Matrix: Solid**

**Date Received: 06/21/21 16:14**

**Percent Solids: 73.5**

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

| Analyte                       | Result     | Qualifier | RL   | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|------------|-----------|------|------|-------|---|----------------|----------------|---------|
| Di-n-octyl phthalate          | ND         |           | 1100 | 130  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 18:06 | 5       |
| <b>Fluoranthene</b>           | <b>960</b> | <b>J</b>  | 1100 | 120  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 18:06 | 5       |
| Fluorene                      | ND         |           | 1100 | 130  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 18:06 | 5       |
| Hexachlorobenzene             | ND         |           | 1100 | 150  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 18:06 | 5       |
| Hexachlorobutadiene           | ND         |           | 1100 | 170  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 18:06 | 5       |
| Hexachlorocyclopentadiene     | ND         |           | 1100 | 150  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 18:06 | 5       |
| Hexachloroethane              | ND         |           | 1100 | 150  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 18:06 | 5       |
| <b>Indeno(1,2,3-cd)pyrene</b> | <b>330</b> | <b>J</b>  | 1100 | 140  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 18:06 | 5       |
| Isophorone                    | ND         |           | 1100 | 240  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 18:06 | 5       |
| Naphthalene                   | ND         |           | 1100 | 150  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 18:06 | 5       |
| Nitrobenzene                  | ND         |           | 1100 | 130  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 18:06 | 5       |
| N-Nitrosodi-n-propylamine     | ND         |           | 1100 | 190  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 18:06 | 5       |
| N-Nitrosodiphenylamine        | ND         |           | 1100 | 910  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 18:06 | 5       |
| Pentachlorophenol             | ND         |           | 2200 | 1100 | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 18:06 | 5       |
| <b>Phenanthrene</b>           | <b>560</b> | <b>J</b>  | 1100 | 170  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 18:06 | 5       |
| Phenol                        | ND         |           | 1100 | 170  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 18:06 | 5       |
| <b>Pyrene</b>                 | <b>820</b> | <b>J</b>  | 1100 | 130  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 18:06 | 5       |

| Surrogate            | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 2,4,6-Tribromophenol | 91        |           | 54 - 120 | 06/29/21 15:10 | 07/01/21 18:06 | 5       |
| 2-Fluorobiphenyl     | 89        |           | 60 - 120 | 06/29/21 15:10 | 07/01/21 18:06 | 5       |
| 2-Fluorophenol       | 83        |           | 52 - 120 | 06/29/21 15:10 | 07/01/21 18:06 | 5       |
| Nitrobenzene-d5      | 86        |           | 53 - 120 | 06/29/21 15:10 | 07/01/21 18:06 | 5       |
| p-Terphenyl-d14      | 95        |           | 79 - 130 | 06/29/21 15:10 | 07/01/21 18:06 | 5       |
| Phenol-d5            | 83        |           | 54 - 120 | 06/29/21 15:10 | 07/01/21 18:06 | 5       |

## Method: 8081B - Organochlorine Pesticides (GC)

| Analyte             | Result | Qualifier | RL  | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|--------|-----------|-----|-----|-------|---|----------------|----------------|---------|
| 4,4'-DDD            | ND     |           | 22  | 4.3 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 15:50 | 10      |
| 4,4'-DDE            | ND     |           | 22  | 4.6 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 15:50 | 10      |
| 4,4'-DDT            | ND     |           | 22  | 5.2 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 15:50 | 10      |
| Aldrin              | ND     |           | 22  | 5.4 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 15:50 | 10      |
| alpha-BHC           | ND     |           | 22  | 4.0 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 15:50 | 10      |
| beta-BHC            | ND     |           | 22  | 4.0 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 15:50 | 10      |
| cis-Chlordane       | ND     |           | 22  | 11  | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 15:50 | 10      |
| delta-BHC           | ND     |           | 22  | 4.1 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 15:50 | 10      |
| Dieldrin            | ND     | F2        | 22  | 5.3 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 15:50 | 10      |
| Endosulfan I        | ND     |           | 22  | 4.2 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 15:50 | 10      |
| Endosulfan II       | ND     |           | 22  | 4.0 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 15:50 | 10      |
| Endosulfan sulfate  | ND     |           | 22  | 4.1 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 15:50 | 10      |
| Endrin              | ND     |           | 22  | 4.4 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 15:50 | 10      |
| Endrin aldehyde     | ND     |           | 22  | 5.6 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 15:50 | 10      |
| Endrin ketone       | ND     |           | 22  | 5.4 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 15:50 | 10      |
| gamma-BHC (Lindane) | ND     |           | 22  | 4.1 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 15:50 | 10      |
| Heptachlor          | ND     |           | 22  | 4.8 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 15:50 | 10      |
| Heptachlor epoxide  | ND     |           | 22  | 5.7 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 15:50 | 10      |
| Methoxychlor        | ND     |           | 22  | 4.5 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 15:50 | 10      |
| Mirex               | ND     |           | 22  | 5.4 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 15:50 | 10      |
| Toxaphene           | ND     |           | 220 | 130 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 15:50 | 10      |
| trans-Chlordane     | ND     |           | 22  | 7.0 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 15:50 | 10      |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

**Client Sample ID: SS-21-0002**

**Lab Sample ID: 480-186319-31**

**Date Collected: 06/21/21 08:25**

**Matrix: Solid**

**Date Received: 06/21/21 16:14**

**Percent Solids: 73.5**

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| DCB Decachlorobiphenyl | 86        |           | 45 - 120 | 06/28/21 15:10 | 06/29/21 15:50 | 10      |
| DCB Decachlorobiphenyl | 71        |           | 45 - 120 | 06/28/21 15:10 | 06/29/21 15:50 | 10      |
| Tetrachloro-m-xylene   | 0         | S1-       | 30 - 124 | 06/28/21 15:10 | 06/29/21 15:50 | 10      |
| Tetrachloro-m-xylene   | 0         | S1-       | 30 - 124 | 06/28/21 15:10 | 06/29/21 15:50 | 10      |

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

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| PCB-1016 | ND     |           | 0.30 | 0.059 | mg/Kg | ☼ | 06/30/21 15:12 | 07/01/21 14:02 | 1       |
| PCB-1221 | ND     |           | 0.30 | 0.059 | mg/Kg | ☼ | 06/30/21 15:12 | 07/01/21 14:02 | 1       |
| PCB-1232 | ND     |           | 0.30 | 0.059 | mg/Kg | ☼ | 06/30/21 15:12 | 07/01/21 14:02 | 1       |
| PCB-1242 | ND     |           | 0.30 | 0.059 | mg/Kg | ☼ | 06/30/21 15:12 | 07/01/21 14:02 | 1       |
| PCB-1248 | ND     |           | 0.30 | 0.059 | mg/Kg | ☼ | 06/30/21 15:12 | 07/01/21 14:02 | 1       |
| PCB-1254 | ND     |           | 0.30 | 0.14  | mg/Kg | ☼ | 06/30/21 15:12 | 07/01/21 14:02 | 1       |
| PCB-1260 | ND     | UJ        | 0.30 | 0.14  | mg/Kg | ☼ | 06/30/21 15:12 | 07/01/21 14:02 | 1       |
| PCB-1262 | ND     |           | 0.30 | 0.14  | mg/Kg | ☼ | 06/30/21 15:12 | 07/01/21 14:02 | 1       |
| PCB-1268 | ND     |           | 0.30 | 0.14  | mg/Kg | ☼ | 06/30/21 15:12 | 07/01/21 14:02 | 1       |

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| Tetrachloro-m-xylene   | 90        |           | 60 - 154 | 06/30/21 15:12 | 07/01/21 14:02 | 1       |
| Tetrachloro-m-xylene   | 94        |           | 60 - 154 | 06/30/21 15:12 | 07/01/21 14:02 | 1       |
| DCB Decachlorobiphenyl | 90        |           | 65 - 174 | 06/30/21 15:12 | 07/01/21 14:02 | 1       |
| DCB Decachlorobiphenyl | 85        |           | 65 - 174 | 06/30/21 15:12 | 07/01/21 14:02 | 1       |

## Method: 6010C - Metals (ICP)

| Analyte   | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| Aluminum  | 12800  |           | 13.5 | 5.9   | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 14:18 | 1       |
| Antimony  | ND     | F1- UJ    | 20.2 | 0.54  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 14:18 | 1       |
| Arsenic   | 6.7    |           | 2.7  | 0.54  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 14:18 | 1       |
| Barium    | 93.4   | A6+ F1- J | 0.67 | 0.15  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 14:18 | 1       |
| Beryllium | 0.71   |           | 0.27 | 0.038 | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 14:18 | 1       |
| Cadmium   | 1.3    | J         | 0.27 | 0.040 | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 14:18 | 1       |
| Calcium   | 25700  | B         | 67.3 | 4.4   | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 14:18 | 1       |
| Chromium  | 29.7   |           | 0.67 | 0.27  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 14:18 | 1       |
| Cobalt    | 9.3    |           | 0.67 | 0.067 | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 14:18 | 1       |
| Copper    | 47.8   |           | 1.3  | 0.28  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 14:18 | 1       |
| Iron      | 27800  | B ^+      | 13.5 | 4.7   | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 14:18 | 1       |
| Lead      | 80.8   |           | 1.3  | 0.32  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 14:18 | 1       |
| Magnesium | 9670   | B         | 26.9 | 1.2   | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 14:18 | 1       |
| Manganese | 470    | B         | 0.27 | 0.043 | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 14:18 | 1       |
| Nickel    | 25.6   |           | 6.7  | 0.31  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 14:18 | 1       |
| Potassium | 2600   | F1- J     | 40.4 | 26.9  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 14:18 | 1       |
| Selenium  | 2.7    | J         | 5.4  | 0.54  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 14:18 | 1       |
| Silver    | 0.42   | J         | 0.81 | 0.27  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 14:18 | 1       |
| Sodium    | 200    |           | 188  | 17.5  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 14:18 | 1       |
| Thallium  | ND     |           | 8.1  | 0.40  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 14:18 | 1       |
| Vanadium  | 31.1   |           | 0.67 | 0.15  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 14:18 | 1       |
| Zinc      | 232    |           | 2.7  | 0.86  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 14:18 | 1       |

## Method: 7471B - Mercury (CVAA)

| Analyte | Result | Qualifier | RL    | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------|--------|-----------|-------|-------|-------|---|----------------|----------------|---------|
| Mercury | 0.26   |           | 0.080 | 0.018 | mg/Kg | ☼ | 07/01/21 13:35 | 07/01/21 15:24 | 1       |

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ALA 9/23/21



# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

**Client Sample ID: SS-21-0212**

**Lab Sample ID: 480-186319-32**

**Date Collected: 06/21/21 08:30**

**Matrix: Solid**

**Date Received: 06/21/21 16:14**

**Percent Solids: 85.9**

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

| Analyte                       | Result       | Qualifier | RL    | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|--------------|-----------|-------|------|-------|---|----------------|----------------|---------|
| 2,4,5-Trichlorophenol         | ND           |           | 960   | 260  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 22:28 | 5       |
| 2,4,6-Trichlorophenol         | ND           |           | 960   | 190  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 22:28 | 5       |
| 2,4-Dichlorophenol            | ND           |           | 960   | 100  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 22:28 | 5       |
| 2,4-Dimethylphenol            | ND           |           | 960   | 230  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 22:28 | 5       |
| 2,4-Dinitrophenol             | ND           |           | 9300  | 4400 | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 22:28 | 5       |
| 2,4-Dinitrotoluene            | ND           |           | 960   | 200  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 22:28 | 5       |
| 2,6-Dinitrotoluene            | ND           |           | 960   | 110  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 22:28 | 5       |
| 2-Chloronaphthalene           | ND           |           | 960   | 160  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 22:28 | 5       |
| 2-Chlorophenol                | ND           |           | 1900  | 170  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 22:28 | 5       |
| 2-Methylnaphthalene           | ND           |           | 960   | 190  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 22:28 | 5       |
| 2-Methylphenol                | ND           |           | 960   | 110  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 22:28 | 5       |
| 2-Nitroaniline                | ND           |           | 1900  | 140  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 22:28 | 5       |
| 2-Nitrophenol                 | ND           |           | 960   | 270  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 22:28 | 5       |
| 3,3'-Dichlorobenzidine        | ND           |           | 1900  | 1100 | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 22:28 | 5       |
| 3-Nitroaniline                | ND           |           | 1900  | 260  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 22:28 | 5       |
| 4,6-Dinitro-2-methylphenol    | ND           |           | 1900  | 960  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 22:28 | 5       |
| 4-Bromophenyl phenyl ether    | ND           |           | 960   | 140  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 22:28 | 5       |
| 4-Chloro-3-methylphenol       | ND           |           | 960   | 240  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 22:28 | 5       |
| 4-Chloroaniline               | ND           |           | 960   | 240  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 22:28 | 5       |
| 4-Chlorophenyl phenyl ether   | ND           |           | 960   | 120  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 22:28 | 5       |
| 4-Methylphenol                | ND           |           | 1900  | 110  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 22:28 | 5       |
| 4-Nitroaniline                | ND           |           | 1900  | 500  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 22:28 | 5       |
| 4-Nitrophenol                 | ND           |           | 1900  | 670  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 22:28 | 5       |
| Acenaphthene                  | ND           |           | 960   | 140  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 22:28 | 5       |
| Acenaphthylene                | ND           |           | 960   | 120  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 22:28 | 5       |
| Acetophenone                  | ND           |           | 960   | 130  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 22:28 | 5       |
| Anthracene                    | ND           |           | 960   | 240  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 22:28 | 5       |
| Atrazine                      | ND           |           | 960   | 330  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 22:28 | 5       |
| Benzaldehyde                  | ND           |           | 960   | 760  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 22:28 | 5       |
| <b>Benzo(a)anthracene</b>     | <b>510 J</b> |           | 960   | 96   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 22:28 | 5       |
| <b>Benzo(a)pyrene</b>         | <b>500 J</b> |           | 960   | 140  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 22:28 | 5       |
| <b>Benzo(b)fluoranthene</b>   | <b>740 J</b> |           | 960   | 150  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 22:28 | 5       |
| <b>Benzo(g,h,i)perylene</b>   | <b>290 J</b> |           | 960   | 100  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 22:28 | 5       |
| <b>Benzo(k)fluoranthene</b>   | <b>190 J</b> |           | 960   | 120  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 22:28 | 5       |
| Benzoic acid                  | ND           |           | 27000 | 8400 | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 22:28 | 5       |
| Biphenyl                      | ND           |           | 960   | 140  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 22:28 | 5       |
| bis (2-chloroisopropyl) ether | ND           |           | 960   | 190  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 22:28 | 5       |
| Bis(2-chloroethoxy)methane    | ND           |           | 960   | 200  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 22:28 | 5       |
| Bis(2-chloroethyl)ether       | ND           |           | 960   | 120  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 22:28 | 5       |
| Bis(2-ethylhexyl) phthalate   | ND           |           | 960   | 330  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 22:28 | 5       |
| <b>Butyl benzyl phthalate</b> | <b>500 J</b> |           | 960   | 160  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 22:28 | 5       |
| Caprolactam                   | ND           |           | 960   | 290  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 22:28 | 5       |
| Carbazole                     | ND           |           | 960   | 110  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 22:28 | 5       |
| <b>Chrysene</b>               | <b>530 J</b> |           | 960   | 210  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 22:28 | 5       |
| Dibenz(a,h)anthracene         | ND           |           | 960   | 170  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 22:28 | 5       |
| Dibenzofuran                  | ND           |           | 960   | 110  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 22:28 | 5       |
| Diethyl phthalate             | ND           |           | 960   | 120  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 22:28 | 5       |
| Dimethyl phthalate            | ND           |           | 960   | 110  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 22:28 | 5       |
| Di-n-butyl phthalate          | ND           |           | 960   | 160  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 22:28 | 5       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

Client Sample ID: SS-21-0212

Lab Sample ID: 480-186319-32

Date Collected: 06/21/21 08:30

Matrix: Solid

Date Received: 06/21/21 16:14

Percent Solids: 85.9

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

| Analyte                       | Result     | Qualifier | RL   | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|------------|-----------|------|-----|-------|---|----------------|----------------|---------|
| Di-n-octyl phthalate          | ND         |           | 960  | 110 | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 22:28 | 5       |
| <b>Fluoranthene</b>           | <b>840</b> | <b>J</b>  | 960  | 100 | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 22:28 | 5       |
| Fluorene                      | ND         |           | 960  | 110 | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 22:28 | 5       |
| Hexachlorobenzene             | ND         |           | 960  | 130 | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 22:28 | 5       |
| Hexachlorobutadiene           | ND         |           | 960  | 140 | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 22:28 | 5       |
| Hexachlorocyclopentadiene     | ND         |           | 960  | 130 | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 22:28 | 5       |
| Hexachloroethane              | ND         |           | 960  | 120 | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 22:28 | 5       |
| <b>Indeno(1,2,3-cd)pyrene</b> | <b>310</b> | <b>J</b>  | 960  | 120 | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 22:28 | 5       |
| Isophorone                    | ND         |           | 960  | 200 | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 22:28 | 5       |
| Naphthalene                   | ND         |           | 960  | 120 | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 22:28 | 5       |
| Nitrobenzene                  | ND         |           | 960  | 110 | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 22:28 | 5       |
| N-Nitrosodi-n-propylamine     | ND         |           | 960  | 160 | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 22:28 | 5       |
| N-Nitrosodiphenylamine        | ND         |           | 960  | 780 | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 22:28 | 5       |
| Pentachlorophenol             | ND         |           | 1900 | 960 | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 22:28 | 5       |
| <b>Phenanthrene</b>           | <b>540</b> | <b>J</b>  | 960  | 140 | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 22:28 | 5       |
| Phenol                        | ND         |           | 960  | 150 | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 22:28 | 5       |
| <b>Pyrene</b>                 | <b>730</b> | <b>J</b>  | 960  | 110 | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 22:28 | 5       |

| Surrogate            | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 2,4,6-Tribromophenol | 97        |           | 54 - 120 | 06/29/21 15:10 | 07/01/21 22:28 | 5       |
| 2-Fluorobiphenyl     | 78        |           | 60 - 120 | 06/29/21 15:10 | 07/01/21 22:28 | 5       |
| 2-Fluorophenol       | 72        |           | 52 - 120 | 06/29/21 15:10 | 07/01/21 22:28 | 5       |
| Nitrobenzene-d5      | 78        |           | 53 - 120 | 06/29/21 15:10 | 07/01/21 22:28 | 5       |
| p-Terphenyl-d14      | 87        |           | 79 - 130 | 06/29/21 15:10 | 07/01/21 22:28 | 5       |
| Phenol-d5            | 69        |           | 54 - 120 | 06/29/21 15:10 | 07/01/21 22:28 | 5       |

## Method: 8081B - Organochlorine Pesticides (GC)

| Analyte             | Result       | Qualifier     | RL  | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|--------------|---------------|-----|-----|-------|---|----------------|----------------|---------|
| 4,4'-DDD            | ND           |               | 38  | 7.4 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 19:27 | 20      |
| 4,4'-DDE            | ND           |               | 38  | 8.0 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 19:27 | 20      |
| <b>4,4'-DDT</b>     | <b>38 15</b> | <b>J--- U</b> | 38  | 8.9 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 19:27 | 20      |
| Aldrin              | ND           |               | 38  | 9.4 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 19:27 | 20      |
| alpha-BHC           | ND           |               | 38  | 6.8 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 19:27 | 20      |
| beta-BHC            | ND           |               | 38  | 6.8 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 19:27 | 20      |
| cis-Chlordane       | ND           |               | 38  | 19  | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 19:27 | 20      |
| delta-BHC           | ND           |               | 38  | 7.1 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 19:27 | 20      |
| Dieldrin            | ND           |               | 38  | 9.1 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 19:27 | 20      |
| Endosulfan I        | ND           |               | 38  | 7.3 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 19:27 | 20      |
| Endosulfan II       | ND           |               | 38  | 6.8 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 19:27 | 20      |
| Endosulfan sulfate  | ND           |               | 38  | 7.1 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 19:27 | 20      |
| Endrin              | ND           |               | 38  | 7.5 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 19:27 | 20      |
| Endrin aldehyde     | ND           |               | 38  | 9.7 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 19:27 | 20      |
| Endrin ketone       | ND           |               | 38  | 9.4 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 19:27 | 20      |
| gamma-BHC (Lindane) | ND           |               | 38  | 7.0 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 19:27 | 20      |
| Heptachlor          | ND           |               | 38  | 8.2 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 19:27 | 20      |
| Heptachlor epoxide  | ND           |               | 38  | 9.8 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 19:27 | 20      |
| Methoxychlor        | ND           |               | 38  | 7.8 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 19:27 | 20      |
| Mirex               | ND           |               | 38  | 9.3 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 19:27 | 20      |
| Toxaphene           | ND           |               | 380 | 220 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 19:27 | 20      |
| trans-Chlordane     | ND           |               | 38  | 12  | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 19:27 | 20      |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

**Client Sample ID: SS-21-0212**

**Lab Sample ID: 480-186319-32**

**Date Collected: 06/21/21 08:30**

**Matrix: Solid**

**Date Received: 06/21/21 16:14**

**Percent Solids: 85.9**

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| DCB Decachlorobiphenyl | 0         | S1-       | 45 - 120 | 06/28/21 15:10 | 06/29/21 19:27 | 20      |
| DCB Decachlorobiphenyl | 0         | S1-       | 45 - 120 | 06/28/21 15:10 | 06/29/21 19:27 | 20      |
| Tetrachloro-m-xylene   | 0         | S1-       | 30 - 124 | 06/28/21 15:10 | 06/29/21 19:27 | 20      |
| Tetrachloro-m-xylene   | 0         | S1-       | 30 - 124 | 06/28/21 15:10 | 06/29/21 19:27 | 20      |

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

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| PCB-1016 | ND     |           | 0.24 | 0.046 | mg/Kg | ☼ | 06/30/21 15:12 | 07/01/21 15:57 | 1       |
| PCB-1221 | ND     |           | 0.24 | 0.046 | mg/Kg | ☼ | 06/30/21 15:12 | 07/01/21 15:57 | 1       |
| PCB-1232 | ND     |           | 0.24 | 0.046 | mg/Kg | ☼ | 06/30/21 15:12 | 07/01/21 15:57 | 1       |
| PCB-1242 | ND     |           | 0.24 | 0.046 | mg/Kg | ☼ | 06/30/21 15:12 | 07/01/21 15:57 | 1       |
| PCB-1248 | ND     |           | 0.24 | 0.046 | mg/Kg | ☼ | 06/30/21 15:12 | 07/01/21 15:57 | 1       |
| PCB-1254 | ND     |           | 0.24 | 0.11  | mg/Kg | ☼ | 06/30/21 15:12 | 07/01/21 15:57 | 1       |
| PCB-1260 | ND     | UJ        | 0.24 | 0.11  | mg/Kg | ☼ | 06/30/21 15:12 | 07/01/21 15:57 | 1       |
| PCB-1262 | ND     |           | 0.24 | 0.11  | mg/Kg | ☼ | 06/30/21 15:12 | 07/01/21 15:57 | 1       |
| PCB-1268 | ND     |           | 0.24 | 0.11  | mg/Kg | ☼ | 06/30/21 15:12 | 07/01/21 15:57 | 1       |

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| Tetrachloro-m-xylene   | 99        |           | 60 - 154 | 06/30/21 15:12 | 07/01/21 15:57 | 1       |
| Tetrachloro-m-xylene   | 101       |           | 60 - 154 | 06/30/21 15:12 | 07/01/21 15:57 | 1       |
| DCB Decachlorobiphenyl | 94        |           | 65 - 174 | 06/30/21 15:12 | 07/01/21 15:57 | 1       |
| DCB Decachlorobiphenyl | 88        |           | 65 - 174 | 06/30/21 15:12 | 07/01/21 15:57 | 1       |

## Method: 6010C - Metals (ICP)

| Analyte   | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| Aluminum  | 12900  |           | 11.0 | 4.9   | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:33 | 1       |
| Antimony  | ND     |           | 16.6 | 0.44  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:33 | 1       |
| Arsenic   | 6.4    |           | 2.2  | 0.44  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:33 | 1       |
| Barium    | 100    | ^6+       | 0.55 | 0.12  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:33 | 1       |
| Beryllium | 0.76   |           | 0.22 | 0.031 | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:33 | 1       |
| Cadmium   | 0.99   |           | 0.22 | 0.033 | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:33 | 1       |
| Calcium   | 33200  | B         | 55.2 | 3.6   | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:33 | 1       |
| Chromium  | 27.4   |           | 0.55 | 0.22  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:33 | 1       |
| Cobalt    | 9.0    |           | 0.55 | 0.055 | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:33 | 1       |
| Copper    | 40.2   |           | 1.1  | 0.23  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:33 | 1       |
| Iron      | 28500  | B ^+      | 11.0 | 3.9   | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:33 | 1       |
| Lead      | 72.8   |           | 1.1  | 0.27  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:33 | 1       |
| Magnesium | 10100  | B         | 22.1 | 1.0   | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:33 | 1       |
| Manganese | 500    | B         | 0.22 | 0.035 | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:33 | 1       |
| Nickel    | 25.7   |           | 5.5  | 0.25  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:33 | 1       |
| Potassium | 2560   |           | 33.1 | 22.1  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:33 | 1       |
| Selenium  | 2.5    | J         | 4.4  | 0.44  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:33 | 1       |
| Silver    | 0.39   | J         | 0.66 | 0.22  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:33 | 1       |
| Sodium    | 223    |           | 155  | 14.4  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:33 | 1       |
| Thallium  | ND     |           | 6.6  | 0.33  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:33 | 1       |
| Vanadium  | 49.5   |           | 0.55 | 0.12  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:33 | 1       |
| Zinc      | 193    |           | 2.2  | 0.71  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:33 | 1       |

## Method: 7471B - Mercury (CVAA)

| Analyte | Result | Qualifier | RL    | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------|--------|-----------|-------|-------|-------|---|----------------|----------------|---------|
| Mercury | 0.19   |           | 0.069 | 0.016 | mg/Kg | ☼ | 07/01/21 13:35 | 07/01/21 15:32 | 1       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

Client Sample ID: SS-22-0002

Lab Sample ID: 480-186319-33

Date Collected: 06/21/21 13:45

Matrix: Solid

Date Received: 06/21/21 16:14

Percent Solids: 63.4

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

| Analyte                       | Result | Qualifier   | RL   | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|--------|-------------|------|------|-------|---|----------------|----------------|---------|
| 2,4,5-Trichlorophenol         | ND     |             | 260  | 71   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 22:52 | 1       |
| 2,4,6-Trichlorophenol         | ND     |             | 260  | 52   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 22:52 | 1       |
| 2,4-Dichlorophenol            | ND     |             | 260  | 28   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 22:52 | 1       |
| 2,4-Dimethylphenol            | ND     |             | 260  | 63   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 22:52 | 1       |
| 2,4-Dinitrophenol             | ND     |             | 2600 | 1200 | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 22:52 | 1       |
| 2,4-Dinitrotoluene            | ND     |             | 260  | 54   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 22:52 | 1       |
| 2,6-Dinitrotoluene            | ND     |             | 260  | 31   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 22:52 | 1       |
| 2-Chloronaphthalene           | ND     |             | 260  | 43   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 22:52 | 1       |
| 2-Chlorophenol                | ND     |             | 510  | 48   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 22:52 | 1       |
| 2-Methylnaphthalene           | ND     |             | 260  | 52   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 22:52 | 1       |
| 2-Methylphenol                | ND     |             | 260  | 31   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 22:52 | 1       |
| 2-Nitroaniline                | ND     |             | 510  | 39   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 22:52 | 1       |
| 2-Nitrophenol                 | ND     |             | 260  | 74   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 22:52 | 1       |
| 3,3'-Dichlorobenzidine        | ND     |             | 510  | 310  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 22:52 | 1       |
| 3-Nitroaniline                | ND     |             | 510  | 72   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 22:52 | 1       |
| 4,6-Dinitro-2-methylphenol    | ND     |             | 510  | 260  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 22:52 | 1       |
| 4-Bromophenyl phenyl ether    | ND     |             | 260  | 37   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 22:52 | 1       |
| 4-Chloro-3-methylphenol       | ND     |             | 260  | 65   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 22:52 | 1       |
| 4-Chloroaniline               | ND     |             | 260  | 65   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 22:52 | 1       |
| 4-Chlorophenyl phenyl ether   | ND     |             | 260  | 32   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 22:52 | 1       |
| 4-Methylphenol                | ND     |             | 510  | 31   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 22:52 | 1       |
| 4-Nitroaniline                | ND     |             | 510  | 140  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 22:52 | 1       |
| 4-Nitrophenol                 | ND     |             | 510  | 180  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 22:52 | 1       |
| Acenaphthene                  | ND     |             | 260  | 39   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 22:52 | 1       |
| Acenaphthylene                | ND     |             | 260  | 34   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 22:52 | 1       |
| Acetophenone                  | ND     |             | 260  | 35   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 22:52 | 1       |
| Anthracene                    | ND     |             | 260  | 65   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 22:52 | 1       |
| Atrazine                      | ND     |             | 260  | 91   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 22:52 | 1       |
| Benzaldehyde                  | ND     |             | 260  | 210  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 22:52 | 1       |
| Benzo(a)anthracene            | 110    | J           | 260  | 26   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 22:52 | 1       |
| Benzo(a)pyrene                | 110    | J           | 260  | 39   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 22:52 | 1       |
| Benzo(b)fluoranthene          | 130    | J           | 260  | 42   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 22:52 | 1       |
| Benzo(g,h,i)perylene          | 56     | J           | 260  | 28   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 22:52 | 1       |
| Benzo(k)fluoranthene          | 48     | J           | 260  | 34   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 22:52 | 1       |
| Benzoic acid                  | ND     |             | 7400 | 2300 | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 22:52 | 1       |
| Biphenyl                      | ND     |             | 260  | 39   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 22:52 | 1       |
| bis (2-chloroisopropyl) ether | ND     |             | 260  | 52   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 22:52 | 1       |
| Bis(2-chloroethoxy)methane    | ND     |             | 260  | 56   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 22:52 | 1       |
| Bis(2-chloroethyl)ether       | ND     |             | 260  | 34   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 22:52 | 1       |
| Bis(2-ethylhexyl) phthalate   | ND     |             | 260  | 89   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 22:52 | 1       |
| Butyl benzyl phthalate        | ND     |             | 260  | 43   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 22:52 | 1       |
| Caprolactam                   | ND     |             | 260  | 79   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 22:52 | 1       |
| Carbazole                     | ND     |             | 260  | 31   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 22:52 | 1       |
| Chrysene                      | 100    | J           | 260  | 59   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 22:52 | 1       |
| Dibenz(a,h)anthracene         | ND     |             | 260  | 46   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 22:52 | 1       |
| Dibenzofuran                  | ND     |             | 260  | 31   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 22:52 | 1       |
| Diethyl phthalate             | ND     |             | 260  | 34   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 22:52 | 1       |
| Dimethyl phthalate            | ND     |             | 260  | 31   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 22:52 | 1       |
| Di-n-butyl phthalate          | 260    | --64--J-B-U | 260  | 45   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 22:52 | 1       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

Client Sample ID: SS-22-0002

Lab Sample ID: 480-186319-33

Date Collected: 06/21/21 13:45

Matrix: Solid

Date Received: 06/21/21 16:14

Percent Solids: 63.4

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

| Analyte                       | Result     | Qualifier | RL  | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|------------|-----------|-----|-----|-------|---|----------------|----------------|---------|
| Di-n-octyl phthalate          | ND         |           | 260 | 31  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 22:52 | 1       |
| <b>Fluoranthene</b>           | <b>160</b> | <b>J</b>  | 260 | 28  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 22:52 | 1       |
| Fluorene                      | ND         |           | 260 | 31  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 22:52 | 1       |
| Hexachlorobenzene             | ND         |           | 260 | 35  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 22:52 | 1       |
| Hexachlorobutadiene           | ND         |           | 260 | 39  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 22:52 | 1       |
| Hexachlorocyclopentadiene     | ND         |           | 260 | 35  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 22:52 | 1       |
| Hexachloroethane              | ND         |           | 260 | 34  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 22:52 | 1       |
| <b>Indeno(1,2,3-cd)pyrene</b> | <b>59</b>  | <b>J</b>  | 260 | 32  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 22:52 | 1       |
| Isophorone                    | ND         |           | 260 | 56  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 22:52 | 1       |
| Naphthalene                   | ND         |           | 260 | 34  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 22:52 | 1       |
| Nitrobenzene                  | ND         |           | 260 | 29  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 22:52 | 1       |
| N-Nitrosodi-n-propylamine     | ND         |           | 260 | 45  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 22:52 | 1       |
| N-Nitrosodiphenylamine        | ND         |           | 260 | 210 | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 22:52 | 1       |
| Pentachlorophenol             | ND         |           | 510 | 260 | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 22:52 | 1       |
| <b>Phenanthrene</b>           | <b>52</b>  | <b>J</b>  | 260 | 39  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 22:52 | 1       |
| <b>Phenol</b>                 | <b>53</b>  | <b>J</b>  | 260 | 40  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 22:52 | 1       |
| <b>Pyrene</b>                 | <b>180</b> | <b>J</b>  | 260 | 31  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 22:52 | 1       |

| Surrogate            | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 2,4,6-Tribromophenol | 91        |           | 54 - 120 | 06/29/21 15:10 | 07/01/21 22:52 | 1       |
| 2-Fluorobiphenyl     | 83        |           | 60 - 120 | 06/29/21 15:10 | 07/01/21 22:52 | 1       |
| 2-Fluorophenol       | 73        |           | 52 - 120 | 06/29/21 15:10 | 07/01/21 22:52 | 1       |
| Nitrobenzene-d5      | 79        |           | 53 - 120 | 06/29/21 15:10 | 07/01/21 22:52 | 1       |
| p-Terphenyl-d14      | 93        |           | 79 - 130 | 06/29/21 15:10 | 07/01/21 22:52 | 1       |
| Phenol-d5            | 76        |           | 54 - 120 | 06/29/21 15:10 | 07/01/21 22:52 | 1       |

## Method: 8081B - Organochlorine Pesticides (GC)

| Analyte                | Result      | Qualifier  | RL  | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|------------------------|-------------|------------|-----|------|-------|---|----------------|----------------|---------|
| 4,4'-DDD               | ND          |            | 2.6 | 0.51 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 19:47 | 1       |
| <b>4,4'-DDE</b>        | <b>0.97</b> | <b>J</b>   | 2.6 | 0.55 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 19:47 | 1       |
| <b>4,4'-DDT</b>        | <b>2.6</b>  | <b>J-U</b> | 2.6 | 0.61 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 19:47 | 1       |
| Aldrin                 | ND          |            | 2.6 | 0.65 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 19:47 | 1       |
| alpha-BHC              | ND          |            | 2.6 | 0.47 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 19:47 | 1       |
| <b>beta-BHC</b>        | <b>0.73</b> | <b>J</b>   | 2.6 | 0.47 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 19:47 | 1       |
| cis-Chlordane          | ND          |            | 2.6 | 1.3  | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 19:47 | 1       |
| delta-BHC              | ND          |            | 2.6 | 0.49 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 19:47 | 1       |
| Dieldrin               | ND          |            | 2.6 | 0.63 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 19:47 | 1       |
| Endosulfan I           | ND          |            | 2.6 | 0.50 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 19:47 | 1       |
| Endosulfan II          | ND          |            | 2.6 | 0.47 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 19:47 | 1       |
| Endosulfan sulfate     | ND          |            | 2.6 | 0.49 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 19:47 | 1       |
| Endrin                 | ND          |            | 2.6 | 0.52 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 19:47 | 1       |
| <b>Endrin aldehyde</b> | <b>5.8</b>  | <b>J</b>   | 2.6 | 0.67 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 19:47 | 1       |
| Endrin ketone          | ND          |            | 2.6 | 0.65 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 19:47 | 1       |
| gamma-BHC (Lindane)    | ND          |            | 2.6 | 0.48 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 19:47 | 1       |
| Heptachlor             | ND          |            | 2.6 | 0.57 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 19:47 | 1       |
| Heptachlor epoxide     | ND          |            | 2.6 | 0.68 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 19:47 | 1       |
| Methoxychlor           | ND          |            | 2.6 | 0.54 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 19:47 | 1       |
| Mirex                  | ND          |            | 2.6 | 0.64 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 19:47 | 1       |
| Toxaphene              | ND          |            | 26  | 15   | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 19:47 | 1       |
| trans-Chlordane        | ND          |            | 2.6 | 0.83 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 19:47 | 1       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

**Client Sample ID: SS-22-0002**

**Lab Sample ID: 480-186319-33**

**Date Collected: 06/21/21 13:45**

**Matrix: Solid**

**Date Received: 06/21/21 16:14**

**Percent Solids: 63.4**

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| DCB Decachlorobiphenyl | 75        |           | 45 - 120 | 06/28/21 15:10 | 06/29/21 19:47 | 1       |
| DCB Decachlorobiphenyl | 79        |           | 45 - 120 | 06/28/21 15:10 | 06/29/21 19:47 | 1       |
| Tetrachloro-m-xylene   | 79        |           | 30 - 124 | 06/28/21 15:10 | 06/29/21 19:47 | 1       |
| Tetrachloro-m-xylene   | 58        |           | 30 - 124 | 06/28/21 15:10 | 06/29/21 19:47 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| PCB-1016 | ND     |           | 0.30 | 0.059 | mg/Kg | ☼ | 06/30/21 15:12 | 07/01/21 16:10 | 1       |
| PCB-1221 | ND     |           | 0.30 | 0.059 | mg/Kg | ☼ | 06/30/21 15:12 | 07/01/21 16:10 | 1       |
| PCB-1232 | ND     |           | 0.30 | 0.059 | mg/Kg | ☼ | 06/30/21 15:12 | 07/01/21 16:10 | 1       |
| PCB-1242 | ND     |           | 0.30 | 0.059 | mg/Kg | ☼ | 06/30/21 15:12 | 07/01/21 16:10 | 1       |
| PCB-1248 | ND     |           | 0.30 | 0.059 | mg/Kg | ☼ | 06/30/21 15:12 | 07/01/21 16:10 | 1       |
| PCB-1254 | ND     |           | 0.30 | 0.14  | mg/Kg | ☼ | 06/30/21 15:12 | 07/01/21 16:10 | 1       |
| PCB-1260 | ND     | UJ        | 0.30 | 0.14  | mg/Kg | ☼ | 06/30/21 15:12 | 07/01/21 16:10 | 1       |
| PCB-1262 | ND     |           | 0.30 | 0.14  | mg/Kg | ☼ | 06/30/21 15:12 | 07/01/21 16:10 | 1       |
| PCB-1268 | ND     |           | 0.30 | 0.14  | mg/Kg | ☼ | 06/30/21 15:12 | 07/01/21 16:10 | 1       |

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| Tetrachloro-m-xylene   | 86        |           | 60 - 154 | 06/30/21 15:12 | 07/01/21 16:10 | 1       |
| Tetrachloro-m-xylene   | 91        |           | 60 - 154 | 06/30/21 15:12 | 07/01/21 16:10 | 1       |
| DCB Decachlorobiphenyl | 83        |           | 65 - 174 | 06/30/21 15:12 | 07/01/21 16:10 | 1       |
| DCB Decachlorobiphenyl | 69        |           | 65 - 174 | 06/30/21 15:12 | 07/01/21 16:10 | 1       |

## Method: 6010C - Metals (ICP)

| Analyte   | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| Aluminum  | 15000  |           | 15.9 | 7.0   | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:37 | 1       |
| Antimony  | ND     |           | 23.8 | 0.64  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:37 | 1       |
| Arsenic   | 4.2    |           | 3.2  | 0.64  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:37 | 1       |
| Barium    | 93.5   | ^6+       | 0.79 | 0.17  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:37 | 1       |
| Beryllium | 0.49   |           | 0.32 | 0.045 | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:37 | 1       |
| Cadmium   | 0.70   |           | 0.32 | 0.048 | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:37 | 1       |
| Calcium   | 7350   | B         | 79.5 | 5.2   | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:37 | 1       |
| Chromium  | 19.2   |           | 0.79 | 0.32  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:37 | 1       |
| Cobalt    | 4.9    |           | 0.79 | 0.079 | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:37 | 1       |
| Copper    | 24.9   |           | 1.6  | 0.33  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:37 | 1       |
| Iron      | 16600  | B ^+      | 15.9 | 5.6   | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:37 | 1       |
| Lead      | 41.5   |           | 1.6  | 0.38  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:37 | 1       |
| Magnesium | 3470   | B         | 31.8 | 1.5   | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:37 | 1       |
| Manganese | 188    | B         | 0.32 | 0.051 | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:37 | 1       |
| Nickel    | 18.5   |           | 7.9  | 0.37  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:37 | 1       |
| Potassium | 1910   |           | 47.7 | 31.8  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:37 | 1       |
| Selenium  | 1.7    | J         | 6.4  | 0.64  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:37 | 1       |
| Silver    | 0.55   | J         | 0.95 | 0.32  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:37 | 1       |
| Sodium    | 114    | J         | 223  | 20.7  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:37 | 1       |
| Thallium  | ND     |           | 9.5  | 0.48  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:37 | 1       |
| Vanadium  | 28.0   |           | 0.79 | 0.17  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:37 | 1       |
| Zinc      | 153    |           | 3.2  | 1.0   | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:37 | 1       |

## Method: 7471B - Mercury (CVAA)

| Analyte | Result | Qualifier | RL    | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------|--------|-----------|-------|-------|-------|---|----------------|----------------|---------|
| Mercury | 0.23   |           | 0.079 | 0.018 | mg/Kg | ☼ | 07/01/21 13:35 | 07/01/21 15:33 | 1       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

**Client Sample ID: SS-22-0212**

**Lab Sample ID: 480-186319-34**

**Date Collected: 06/21/21 13:50**

**Matrix: Solid**

**Date Received: 06/21/21 16:14**

**Percent Solids: 70.1**

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

| Analyte                       | Result | Qualifier | RL    | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|--------|-----------|-------|-------|-------|---|----------------|----------------|---------|
| 2,4,5-Trichlorophenol         | ND     |           | 1200  | 320   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 23:16 | 5       |
| 2,4,6-Trichlorophenol         | ND     |           | 1200  | 240   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 23:16 | 5       |
| 2,4-Dichlorophenol            | ND     |           | 1200  | 120   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 23:16 | 5       |
| 2,4-Dimethylphenol            | ND     |           | 1200  | 280   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 23:16 | 5       |
| 2,4-Dinitrophenol             | ND     |           | 11000 | 5400  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 23:16 | 5       |
| 2,4-Dinitrotoluene            | ND     |           | 1200  | 240   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 23:16 | 5       |
| 2,6-Dinitrotoluene            | ND     |           | 1200  | 140   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 23:16 | 5       |
| 2-Chloronaphthalene           | ND     |           | 1200  | 190   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 23:16 | 5       |
| 2-Chlorophenol                | ND     |           | 2300  | 210   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 23:16 | 5       |
| 2-Methylnaphthalene           | ND     |           | 1200  | 240   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 23:16 | 5       |
| 2-Methylphenol                | ND     |           | 1200  | 140   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 23:16 | 5       |
| 2-Nitroaniline                | ND     |           | 2300  | 170   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 23:16 | 5       |
| 2-Nitrophenol                 | ND     |           | 1200  | 330   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 23:16 | 5       |
| 3,3'-Dichlorobenzidine        | ND     |           | 2300  | 1400  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 23:16 | 5       |
| 3-Nitroaniline                | ND     |           | 2300  | 330   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 23:16 | 5       |
| 4,6-Dinitro-2-methylphenol    | ND     |           | 2300  | 1200  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 23:16 | 5       |
| 4-Bromophenyl phenyl ether    | ND     |           | 1200  | 170   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 23:16 | 5       |
| 4-Chloro-3-methylphenol       | ND     |           | 1200  | 290   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 23:16 | 5       |
| 4-Chloroaniline               | ND     |           | 1200  | 290   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 23:16 | 5       |
| 4-Chlorophenyl phenyl ether   | ND     |           | 1200  | 150   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 23:16 | 5       |
| 4-Methylphenol                | ND     |           | 2300  | 140   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 23:16 | 5       |
| 4-Nitroaniline                | ND     |           | 2300  | 620   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 23:16 | 5       |
| 4-Nitrophenol                 | ND     |           | 2300  | 820   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 23:16 | 5       |
| Acenaphthene                  | 720    | J         | 1200  | 170   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 23:16 | 5       |
| Acenaphthylene                | 1600   |           | 1200  | 150   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 23:16 | 5       |
| Acetophenone                  | ND     |           | 1200  | 160   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 23:16 | 5       |
| Anthracene                    | 4000   |           | 1200  | 290   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 23:16 | 5       |
| Atrazine                      | ND     |           | 1200  | 410   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 23:16 | 5       |
| Benzaldehyde                  | ND     |           | 1200  | 930   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 23:16 | 5       |
| Benzo(a)anthracene            | 9100   |           | 1200  | 120   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 23:16 | 5       |
| Benzo(a)pyrene                | 7300   |           | 1200  | 170   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 23:16 | 5       |
| Benzo(b)fluoranthene          | 8700   |           | 1200  | 190   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 23:16 | 5       |
| Benzo(g,h,i)perylene          | 3200   |           | 1200  | 120   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 23:16 | 5       |
| Benzo(k)fluoranthene          | 3700   |           | 1200  | 150   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 23:16 | 5       |
| Benzoic acid                  | ND     |           | 33000 | 10000 | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 23:16 | 5       |
| Biphenyl                      | ND     |           | 1200  | 170   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 23:16 | 5       |
| bis (2-chloroisopropyl) ether | ND     |           | 1200  | 240   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 23:16 | 5       |
| Bis(2-chloroethoxy)methane    | ND     |           | 1200  | 250   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 23:16 | 5       |
| Bis(2-chloroethyl)ether       | ND     |           | 1200  | 150   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 23:16 | 5       |
| Bis(2-ethylhexyl) phthalate   | ND     |           | 1200  | 400   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 23:16 | 5       |
| Butyl benzyl phthalate        | ND     |           | 1200  | 190   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 23:16 | 5       |
| Caprolactam                   | ND     |           | 1200  | 350   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 23:16 | 5       |
| Carbazole                     | 300    | J         | 1200  | 140   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 23:16 | 5       |
| Chrysene                      | 8900   |           | 1200  | 260   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 23:16 | 5       |
| Dibenz(a,h)anthracene         | 1200   |           | 1200  | 210   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 23:16 | 5       |
| Dibenzofuran                  | 440    | J         | 1200  | 140   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 23:16 | 5       |
| Diethyl phthalate             | ND     |           | 1200  | 150   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 23:16 | 5       |
| Dimethyl phthalate            | ND     |           | 1200  | 140   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 23:16 | 5       |
| Di-n-butyl phthalate          | ND     |           | 1200  | 200   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 23:16 | 5       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

Client Sample ID: SS-22-0212

Lab Sample ID: 480-186319-34

Date Collected: 06/21/21 13:50

Matrix: Solid

Date Received: 06/21/21 16:14

Percent Solids: 70.1

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

| Analyte                   | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------------|--------|-----------|------|------|-------|---|----------------|----------------|---------|
| Di-n-octyl phthalate      | ND     |           | 1200 | 140  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 23:16 | 5       |
| Fluoranthene              | 19000  |           | 1200 | 120  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 23:16 | 5       |
| Fluorene                  | 1400   |           | 1200 | 140  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 23:16 | 5       |
| Hexachlorobenzene         | ND     |           | 1200 | 160  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 23:16 | 5       |
| Hexachlorobutadiene       | ND     |           | 1200 | 170  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 23:16 | 5       |
| Hexachlorocyclopentadiene | ND     |           | 1200 | 160  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 23:16 | 5       |
| Hexachloroethane          | ND     |           | 1200 | 150  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 23:16 | 5       |
| Indeno(1,2,3-cd)pyrene    | 3300   |           | 1200 | 150  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 23:16 | 5       |
| Isophorone                | ND     |           | 1200 | 250  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 23:16 | 5       |
| Naphthalene               | ND     |           | 1200 | 150  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 23:16 | 5       |
| Nitrobenzene              | ND     |           | 1200 | 130  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 23:16 | 5       |
| N-Nitrosodi-n-propylamine | ND     |           | 1200 | 200  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 23:16 | 5       |
| N-Nitrosodiphenylamine    | ND     |           | 1200 | 960  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 23:16 | 5       |
| Pentachlorophenol         | ND     |           | 2300 | 1200 | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 23:16 | 5       |
| Phenanthrene              | 12000  |           | 1200 | 170  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 23:16 | 5       |
| Phenol                    | ND     |           | 1200 | 180  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 23:16 | 5       |
| Pyrene                    | 17000  |           | 1200 | 140  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 23:16 | 5       |

| Surrogate            | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 2,4,6-Tribromophenol | 91        |           | 54 - 120 | 06/29/21 15:10 | 07/01/21 23:16 | 5       |
| 2-Fluorobiphenyl     | 77        |           | 60 - 120 | 06/29/21 15:10 | 07/01/21 23:16 | 5       |
| 2-Fluorophenol       | 72        |           | 52 - 120 | 06/29/21 15:10 | 07/01/21 23:16 | 5       |
| Nitrobenzene-d5      | 75        |           | 53 - 120 | 06/29/21 15:10 | 07/01/21 23:16 | 5       |
| p-Terphenyl-d14      | 77        | S1-       | 79 - 130 | 06/29/21 15:10 | 07/01/21 23:16 | 5       |
| Phenol-d5            | 74        |           | 54 - 120 | 06/29/21 15:10 | 07/01/21 23:16 | 5       |

## Method: 8081B - Organochlorine Pesticides (GC)

| Analyte             | Result | Qualifier | RL  | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|--------|-----------|-----|------|-------|---|----------------|----------------|---------|
| 4,4'-DDD            | ND     |           | 2.4 | 0.46 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 20:06 | 1       |
| 4,4'-DDE            | 0.87   | JJ        | 2.4 | 0.50 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 20:06 | 1       |
| 4,4'-DDT            | 2.7    |           | 2.4 | 0.55 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 20:06 | 1       |
| Aldrin              | ND     |           | 2.4 | 0.58 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 20:06 | 1       |
| alpha-BHC           | ND     |           | 2.4 | 0.42 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 20:06 | 1       |
| beta-BHC            | ND     |           | 2.4 | 0.42 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 20:06 | 1       |
| cis-Chlordane       | ND     |           | 2.4 | 1.2  | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 20:06 | 1       |
| delta-BHC           | ND     |           | 2.4 | 0.44 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 20:06 | 1       |
| Dieldrin            | 1.4    | J         | 2.4 | 0.57 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 20:06 | 1       |
| Endosulfan I        | ND     |           | 2.4 | 0.45 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 20:06 | 1       |
| Endosulfan II       | 1.4    | J--NJ     | 2.4 | 0.42 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 20:06 | 1       |
| Endosulfan sulfate  | ND     |           | 2.4 | 0.44 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 20:06 | 1       |
| Endrin              | ND     |           | 2.4 | 0.47 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 20:06 | 1       |
| Endrin aldehyde     | ND     |           | 2.4 | 0.60 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 20:06 | 1       |
| Endrin ketone       | ND     |           | 2.4 | 0.58 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 20:06 | 1       |
| gamma-BHC (Lindane) | ND     |           | 2.4 | 0.43 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 20:06 | 1       |
| Heptachlor          | ND     |           | 2.4 | 0.51 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 20:06 | 1       |
| Heptachlor epoxide  | ND     |           | 2.4 | 0.61 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 20:06 | 1       |
| Methoxychlor        | 0.53   | --J-NJ    | 2.4 | 0.48 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 20:06 | 1       |
| Mirex               | 1.3    | --J-J     | 2.4 | 0.58 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 20:06 | 1       |
| Toxaphene           | ND     |           | 24  | 14   | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 20:06 | 1       |
| trans-Chlordane     | ND     |           | 2.4 | 0.75 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 20:06 | 1       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

Client Sample ID: SS-22-0212

Lab Sample ID: 480-186319-34

Date Collected: 06/21/21 13:50

Matrix: Solid

Date Received: 06/21/21 16:14

Percent Solids: 70.1

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| DCB Decachlorobiphenyl | 78        |           | 45 - 120 | 06/28/21 15:10 | 06/29/21 20:06 | 1       |
| DCB Decachlorobiphenyl | 106       |           | 45 - 120 | 06/28/21 15:10 | 06/29/21 20:06 | 1       |
| Tetrachloro-m-xylene   | 74        |           | 30 - 124 | 06/28/21 15:10 | 06/29/21 20:06 | 1       |
| Tetrachloro-m-xylene   | 60        |           | 30 - 124 | 06/28/21 15:10 | 06/29/21 20:06 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| PCB-1016 | ND     |           | 0.33 | 0.064 | mg/Kg | ☼ | 06/30/21 15:12 | 07/01/21 16:23 | 1       |
| PCB-1221 | ND     |           | 0.33 | 0.064 | mg/Kg | ☼ | 06/30/21 15:12 | 07/01/21 16:23 | 1       |
| PCB-1232 | ND     |           | 0.33 | 0.064 | mg/Kg | ☼ | 06/30/21 15:12 | 07/01/21 16:23 | 1       |
| PCB-1242 | ND     |           | 0.33 | 0.064 | mg/Kg | ☼ | 06/30/21 15:12 | 07/01/21 16:23 | 1       |
| PCB-1248 | ND     |           | 0.33 | 0.064 | mg/Kg | ☼ | 06/30/21 15:12 | 07/01/21 16:23 | 1       |
| PCB-1254 | ND     |           | 0.33 | 0.15  | mg/Kg | ☼ | 06/30/21 15:12 | 07/01/21 16:23 | 1       |
| PCB-1260 | ND     | UJ        | 0.33 | 0.15  | mg/Kg | ☼ | 06/30/21 15:12 | 07/01/21 16:23 | 1       |
| PCB-1262 | ND     |           | 0.33 | 0.15  | mg/Kg | ☼ | 06/30/21 15:12 | 07/01/21 16:23 | 1       |
| PCB-1268 | ND     |           | 0.33 | 0.15  | mg/Kg | ☼ | 06/30/21 15:12 | 07/01/21 16:23 | 1       |

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| Tetrachloro-m-xylene   | 108       |           | 60 - 154 | 06/30/21 15:12 | 07/01/21 16:23 | 1       |
| Tetrachloro-m-xylene   | 112       |           | 60 - 154 | 06/30/21 15:12 | 07/01/21 16:23 | 1       |
| DCB Decachlorobiphenyl | 102       |           | 65 - 174 | 06/30/21 15:12 | 07/01/21 16:23 | 1       |
| DCB Decachlorobiphenyl | 84        |           | 65 - 174 | 06/30/21 15:12 | 07/01/21 16:23 | 1       |

## Method: 6010C - Metals (ICP)

| Analyte   | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| Aluminum  | 16800  |           | 15.1 | 6.6   | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:40 | 1       |
| Antimony  | ND     |           | 22.6 | 0.60  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:40 | 1       |
| Arsenic   | 4.4    |           | 3.0  | 0.60  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:40 | 1       |
| Barium    | 100    | ^6+       | 0.75 | 0.17  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:40 | 1       |
| Beryllium | 0.50   |           | 0.30 | 0.042 | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:40 | 1       |
| Cadmium   | 0.53   |           | 0.30 | 0.045 | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:40 | 1       |
| Calcium   | 5500   | B         | 75.5 | 5.0   | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:40 | 1       |
| Chromium  | 20.1   |           | 0.75 | 0.30  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:40 | 1       |
| Cobalt    | 5.0    |           | 0.75 | 0.075 | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:40 | 1       |
| Copper    | 19.7   |           | 1.5  | 0.32  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:40 | 1       |
| Iron      | 16700  | B ^+      | 15.1 | 5.3   | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:40 | 1       |
| Lead      | 34.6   |           | 1.5  | 0.36  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:40 | 1       |
| Magnesium | 3170   | B         | 30.2 | 1.4   | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:40 | 1       |
| Manganese | 203    | B         | 0.30 | 0.048 | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:40 | 1       |
| Nickel    | 18.7   |           | 7.5  | 0.35  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:40 | 1       |
| Potassium | 1820   |           | 45.3 | 30.2  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:40 | 1       |
| Selenium  | 1.2    | J         | 6.0  | 0.60  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:40 | 1       |
| Silver    | 0.32   | J         | 0.91 | 0.30  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:40 | 1       |
| Sodium    | 123    | J         | 211  | 19.6  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:40 | 1       |
| Thallium  | ND     |           | 9.1  | 0.45  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:40 | 1       |
| Vanadium  | 30.6   |           | 0.75 | 0.17  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:40 | 1       |
| Zinc      | 134    |           | 3.0  | 0.97  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:40 | 1       |

## Method: 7471B - Mercury (CVAA)

| Analyte | Result | Qualifier | RL    | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------|--------|-----------|-------|-------|-------|---|----------------|----------------|---------|
| Mercury | 0.097  |           | 0.069 | 0.016 | mg/Kg | ☼ | 07/01/21 13:35 | 07/01/21 15:34 | 1       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

Client Sample ID: SS-23-0002

Lab Sample ID: 480-186319-35

Date Collected: 06/21/21 13:35

Matrix: Solid

Date Received: 06/21/21 16:14

Percent Solids: 49.7

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

| Analyte                       | Result | Qualifier     | RL   | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|--------|---------------|------|------|-------|---|----------------|----------------|---------|
| 2,4,5-Trichlorophenol         | ND     |               | 340  | 91   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 23:40 | 1       |
| 2,4,6-Trichlorophenol         | ND     |               | 340  | 67   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 23:40 | 1       |
| 2,4-Dichlorophenol            | ND     |               | 340  | 36   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 23:40 | 1       |
| 2,4-Dimethylphenol            | ND     |               | 340  | 81   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 23:40 | 1       |
| 2,4-Dinitrophenol             | ND     |               | 3300 | 1600 | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 23:40 | 1       |
| 2,4-Dinitrotoluene            | ND     |               | 340  | 69   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 23:40 | 1       |
| 2,6-Dinitrotoluene            | ND     |               | 340  | 40   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 23:40 | 1       |
| 2-Chloronaphthalene           | ND     |               | 340  | 55   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 23:40 | 1       |
| 2-Chlorophenol                | ND     |               | 650  | 61   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 23:40 | 1       |
| 2-Methylnaphthalene           | ND     |               | 340  | 67   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 23:40 | 1       |
| 2-Methylphenol                | ND     |               | 340  | 40   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 23:40 | 1       |
| 2-Nitroaniline                | ND     |               | 650  | 50   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 23:40 | 1       |
| 2-Nitrophenol                 | ND     |               | 340  | 95   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 23:40 | 1       |
| 3,3'-Dichlorobenzidine        | ND     |               | 650  | 400  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 23:40 | 1       |
| 3-Nitroaniline                | ND     |               | 650  | 93   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 23:40 | 1       |
| 4,6-Dinitro-2-methylphenol    | ND     |               | 650  | 340  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 23:40 | 1       |
| 4-Bromophenyl phenyl ether    | ND     |               | 340  | 48   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 23:40 | 1       |
| 4-Chloro-3-methylphenol       | ND     |               | 340  | 83   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 23:40 | 1       |
| 4-Chloroaniline               | ND     |               | 340  | 83   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 23:40 | 1       |
| 4-Chlorophenyl phenyl ether   | ND     |               | 340  | 42   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 23:40 | 1       |
| 4-Methylphenol                | ND     |               | 650  | 40   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 23:40 | 1       |
| 4-Nitroaniline                | ND     |               | 650  | 180  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 23:40 | 1       |
| 4-Nitrophenol                 | ND     |               | 650  | 240  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 23:40 | 1       |
| Acenaphthene                  | ND     |               | 340  | 50   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 23:40 | 1       |
| Acenaphthylene                | ND     |               | 340  | 44   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 23:40 | 1       |
| Acetophenone                  | ND     |               | 340  | 46   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 23:40 | 1       |
| Anthracene                    | ND     |               | 340  | 83   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 23:40 | 1       |
| Atrazine                      | ND     |               | 340  | 120  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 23:40 | 1       |
| Benzaldehyde                  | ND     |               | 340  | 270  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 23:40 | 1       |
| Benzo(a)anthracene            | 210    | J             | 340  | 34   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 23:40 | 1       |
| Benzo(a)pyrene                | 170    | J             | 340  | 50   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 23:40 | 1       |
| Benzo(b)fluoranthene          | 220    | J             | 340  | 53   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 23:40 | 1       |
| Benzo(g,h,i)perylene          | 87     | J             | 340  | 36   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 23:40 | 1       |
| Benzo(k)fluoranthene          | 95     | J             | 340  | 44   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 23:40 | 1       |
| Benzoic acid                  | ND     |               | 9500 | 3000 | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 23:40 | 1       |
| Biphenyl                      | ND     |               | 340  | 50   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 23:40 | 1       |
| bis (2-chloroisopropyl) ether | ND     |               | 340  | 67   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 23:40 | 1       |
| Bis(2-chloroethoxy)methane    | ND     |               | 340  | 71   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 23:40 | 1       |
| Bis(2-chloroethyl)ether       | ND     |               | 340  | 44   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 23:40 | 1       |
| Bis(2-ethylhexyl) phthalate   | ND     |               | 340  | 110  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 23:40 | 1       |
| Butyl benzyl phthalate        | ND     |               | 340  | 55   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 23:40 | 1       |
| Caprolactam                   | ND     |               | 340  | 100  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 23:40 | 1       |
| Carbazole                     | 43     | J             | 340  | 40   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 23:40 | 1       |
| Chrysene                      | 220    | J             | 340  | 75   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 23:40 | 1       |
| Dibenz(a,h)anthracene         | ND     |               | 340  | 59   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 23:40 | 1       |
| Dibenzofuran                  | ND     |               | 340  | 40   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 23:40 | 1       |
| Diethyl phthalate             | ND     |               | 340  | 44   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 23:40 | 1       |
| Dimethyl phthalate            | ND     |               | 340  | 40   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 23:40 | 1       |
| Di-n-butyl phthalate          | 340    | ---70---J-B U | 340  | 57   | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 23:40 | 1       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

Client Sample ID: SS-23-0002

Lab Sample ID: 480-186319-35

Date Collected: 06/21/21 13:35

Matrix: Solid

Date Received: 06/21/21 16:14

Percent Solids: 49.7

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

| Analyte                       | Result      | Qualifier | RL  | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|-------------|-----------|-----|-----|-------|---|----------------|----------------|---------|
| Di-n-octyl phthalate          | ND          |           | 340 | 40  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 23:40 | 1       |
| <b>Fluoranthene</b>           | <b>460</b>  |           | 340 | 36  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 23:40 | 1       |
| Fluorene                      | ND          |           | 340 | 40  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 23:40 | 1       |
| Hexachlorobenzene             | ND          |           | 340 | 46  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 23:40 | 1       |
| Hexachlorobutadiene           | ND          |           | 340 | 50  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 23:40 | 1       |
| Hexachlorocyclopentadiene     | ND          |           | 340 | 46  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 23:40 | 1       |
| Hexachloroethane              | ND          |           | 340 | 44  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 23:40 | 1       |
| <b>Indeno(1,2,3-cd)pyrene</b> | <b>89 J</b> |           | 340 | 42  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 23:40 | 1       |
| Isophorone                    | ND          |           | 340 | 71  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 23:40 | 1       |
| Naphthalene                   | ND          |           | 340 | 44  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 23:40 | 1       |
| Nitrobenzene                  | ND          |           | 340 | 38  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 23:40 | 1       |
| N-Nitrosodi-n-propylamine     | ND          |           | 340 | 57  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 23:40 | 1       |
| N-Nitrosodiphenylamine        | ND          |           | 340 | 270 | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 23:40 | 1       |
| Pentachlorophenol             | ND          |           | 650 | 340 | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 23:40 | 1       |
| <b>Phenanthrene</b>           | <b>340</b>  |           | 340 | 50  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 23:40 | 1       |
| Phenol                        | ND          |           | 340 | 51  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 23:40 | 1       |
| <b>Pyrene</b>                 | <b>340</b>  |           | 340 | 40  | ug/Kg | ☼ | 06/29/21 15:10 | 07/01/21 23:40 | 1       |

| Surrogate            | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 2,4,6-Tribromophenol | 92        |           | 54 - 120 | 06/29/21 15:10 | 07/01/21 23:40 | 1       |
| 2-Fluorobiphenyl     | 83        |           | 60 - 120 | 06/29/21 15:10 | 07/01/21 23:40 | 1       |
| 2-Fluorophenol       | 74        |           | 52 - 120 | 06/29/21 15:10 | 07/01/21 23:40 | 1       |
| Nitrobenzene-d5      | 81        |           | 53 - 120 | 06/29/21 15:10 | 07/01/21 23:40 | 1       |
| p-Terphenyl-d14      | 89        |           | 79 - 130 | 06/29/21 15:10 | 07/01/21 23:40 | 1       |
| Phenol-d5            | 74        |           | 54 - 120 | 06/29/21 15:10 | 07/01/21 23:40 | 1       |

## Method: 8081B - Organochlorine Pesticides (GC)

| Analyte                | Result           | Qualifier | RL  | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|------------------------|------------------|-----------|-----|------|-------|---|----------------|----------------|---------|
| 4,4'-DDD               | ND               |           | 3.3 | 0.65 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 20:26 | 1       |
| <b>4,4'-DDE</b>        | <b>2.0 J--J</b>  |           | 3.3 | 0.70 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 20:26 | 1       |
| 4,4'-DDT               | ND               |           | 3.3 | 0.78 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 20:26 | 1       |
| Aldrin                 | ND               |           | 3.3 | 0.82 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 20:26 | 1       |
| alpha-BHC              | ND               |           | 3.3 | 0.60 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 20:26 | 1       |
| beta-BHC               | ND               |           | 3.3 | 0.60 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 20:26 | 1       |
| cis-Chlordane          | ND               |           | 3.3 | 1.7  | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 20:26 | 1       |
| delta-BHC              | ND               |           | 3.3 | 0.62 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 20:26 | 1       |
| Dieldrin               | ND               |           | 3.3 | 0.80 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 20:26 | 1       |
| Endosulfan I           | ND               |           | 3.3 | 0.64 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 20:26 | 1       |
| <b>Endosulfan II</b>   | <b>2.0 --J-J</b> |           | 3.3 | 0.60 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 20:26 | 1       |
| Endosulfan sulfate     | ND               |           | 3.3 | 0.62 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 20:26 | 1       |
| Endrin                 | ND               |           | 3.3 | 0.66 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 20:26 | 1       |
| <b>Endrin aldehyde</b> | <b>2.2 J--J</b>  |           | 3.3 | 0.85 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 20:26 | 1       |
| Endrin ketone          | ND               |           | 3.3 | 0.82 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 20:26 | 1       |
| gamma-BHC (Lindane)    | ND               |           | 3.3 | 0.61 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 20:26 | 1       |
| Heptachlor             | ND               |           | 3.3 | 0.72 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 20:26 | 1       |
| Heptachlor epoxide     | ND               |           | 3.3 | 0.86 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 20:26 | 1       |
| Methoxychlor           | ND               |           | 3.3 | 0.68 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 20:26 | 1       |
| <b>Mirex</b>           | <b>3.3 J</b>     |           | 3.3 | 0.81 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 20:26 | 1       |
| Toxaphene              | ND               |           | 33  | 19   | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 20:26 | 1       |
| trans-Chlordane        | ND               |           | 3.3 | 1.1  | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 20:26 | 1       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

**Client Sample ID: SS-23-0002**

**Lab Sample ID: 480-186319-35**

**Date Collected: 06/21/21 13:35**

**Matrix: Solid**

**Date Received: 06/21/21 16:14**

**Percent Solids: 49.7**

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| DCB Decachlorobiphenyl | 79        |           | 45 - 120 | 06/28/21 15:10 | 06/29/21 20:26 | 1       |
| DCB Decachlorobiphenyl | 171       | S1+       | 45 - 120 | 06/28/21 15:10 | 06/29/21 20:26 | 1       |
| Tetrachloro-m-xylene   | 74        |           | 30 - 124 | 06/28/21 15:10 | 06/29/21 20:26 | 1       |
| Tetrachloro-m-xylene   | 66        |           | 30 - 124 | 06/28/21 15:10 | 06/29/21 20:26 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| PCB-1016 | ND     |           | 0.47 | 0.092 | mg/Kg | ☼ | 06/30/21 15:12 | 07/01/21 16:36 | 1       |
| PCB-1221 | ND     |           | 0.47 | 0.092 | mg/Kg | ☼ | 06/30/21 15:12 | 07/01/21 16:36 | 1       |
| PCB-1232 | ND     |           | 0.47 | 0.092 | mg/Kg | ☼ | 06/30/21 15:12 | 07/01/21 16:36 | 1       |
| PCB-1242 | ND     |           | 0.47 | 0.092 | mg/Kg | ☼ | 06/30/21 15:12 | 07/01/21 16:36 | 1       |
| PCB-1248 | ND     |           | 0.47 | 0.092 | mg/Kg | ☼ | 06/30/21 15:12 | 07/01/21 16:36 | 1       |
| PCB-1254 | ND     |           | 0.47 | 0.22  | mg/Kg | ☼ | 06/30/21 15:12 | 07/01/21 16:36 | 1       |
| PCB-1260 | ND     | UJ        | 0.47 | 0.22  | mg/Kg | ☼ | 06/30/21 15:12 | 07/01/21 16:36 | 1       |
| PCB-1262 | ND     |           | 0.47 | 0.22  | mg/Kg | ☼ | 06/30/21 15:12 | 07/01/21 16:36 | 1       |
| PCB-1268 | ND     |           | 0.47 | 0.22  | mg/Kg | ☼ | 06/30/21 15:12 | 07/01/21 16:36 | 1       |

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| Tetrachloro-m-xylene   | 93        |           | 60 - 154 | 06/30/21 15:12 | 07/01/21 16:36 | 1       |
| Tetrachloro-m-xylene   | 99        |           | 60 - 154 | 06/30/21 15:12 | 07/01/21 16:36 | 1       |
| DCB Decachlorobiphenyl | 88        |           | 65 - 174 | 06/30/21 15:12 | 07/01/21 16:36 | 1       |
| DCB Decachlorobiphenyl | 80        |           | 65 - 174 | 06/30/21 15:12 | 07/01/21 16:36 | 1       |

## Method: 6010C - Metals (ICP)

| Analyte   | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| Aluminum  | 15800  |           | 21.0 | 9.3   | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:44 | 1       |
| Antimony  | ND     |           | 31.6 | 0.84  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:44 | 1       |
| Arsenic   | 5.1    |           | 4.2  | 0.84  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:44 | 1       |
| Barium    | 110    | ^6+       | 1.1  | 0.23  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:44 | 1       |
| Beryllium | 0.75   |           | 0.42 | 0.059 | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:44 | 1       |
| Cadmium   | 3.1    |           | 0.42 | 0.063 | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:44 | 1       |
| Calcium   | 31600  | B         | 105  | 6.9   | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:44 | 1       |
| Chromium  | 27.0   |           | 1.1  | 0.42  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:44 | 1       |
| Cobalt    | 9.5    |           | 1.1  | 0.11  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:44 | 1       |
| Copper    | 60.5   |           | 2.1  | 0.44  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:44 | 1       |
| Iron      | 26400  | B ^+      | 21.0 | 7.4   | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:44 | 1       |
| Lead      | 79.1   |           | 2.1  | 0.51  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:44 | 1       |
| Magnesium | 11100  | B         | 42.1 | 2.0   | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:44 | 1       |
| Manganese | 324    | B         | 0.42 | 0.067 | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:44 | 1       |
| Nickel    | 31.0   |           | 10.5 | 0.48  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:44 | 1       |
| Potassium | 3490   |           | 63.1 | 42.1  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:44 | 1       |
| Selenium  | 2.9    | J         | 8.4  | 0.84  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:44 | 1       |
| Silver    | 1.7    |           | 1.3  | 0.42  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:44 | 1       |
| Sodium    | 186    | J         | 295  | 27.4  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:44 | 1       |
| Thallium  | ND     |           | 12.6 | 0.63  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:44 | 1       |
| Vanadium  | 35.3   |           | 1.1  | 0.23  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:44 | 1       |
| Zinc      | 274    |           | 4.2  | 1.3   | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:44 | 1       |

## Method: 7471B - Mercury (CVAA)

| Analyte | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| Mercury | 0.52   |           | 0.10 | 0.024 | mg/Kg | ☼ | 07/01/21 13:35 | 07/01/21 15:35 | 1       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

Client Sample ID: SS-23-0212

Lab Sample ID: 480-186319-36

Date Collected: 06/21/21 13:40

Matrix: Solid

Date Received: 06/21/21 16:14

Percent Solids: 60.8

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

| Analyte                       | Result | Qualifier    | RL   | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|--------|--------------|------|------|-------|---|----------------|----------------|---------|
| 2,4,5-Trichlorophenol         | ND     |              | 280  | 75   | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 00:04 | 1       |
| 2,4,6-Trichlorophenol         | ND     |              | 280  | 55   | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 00:04 | 1       |
| 2,4-Dichlorophenol            | ND     |              | 280  | 29   | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 00:04 | 1       |
| 2,4-Dimethylphenol            | ND     |              | 280  | 66   | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 00:04 | 1       |
| 2,4-Dinitrophenol             | ND     |              | 2700 | 1300 | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 00:04 | 1       |
| 2,4-Dinitrotoluene            | ND     |              | 280  | 57   | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 00:04 | 1       |
| 2,6-Dinitrotoluene            | ND     |              | 280  | 32   | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 00:04 | 1       |
| 2-Chloronaphthalene           | ND     |              | 280  | 45   | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 00:04 | 1       |
| 2-Chlorophenol                | ND     |              | 530  | 50   | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 00:04 | 1       |
| 2-Methylnaphthalene           | ND     |              | 280  | 55   | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 00:04 | 1       |
| 2-Methylphenol                | ND     |              | 280  | 32   | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 00:04 | 1       |
| 2-Nitroaniline                | ND     |              | 530  | 40   | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 00:04 | 1       |
| 2-Nitrophenol                 | ND     |              | 280  | 78   | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 00:04 | 1       |
| 3,3'-Dichlorobenzidine        | ND     |              | 530  | 320  | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 00:04 | 1       |
| 3-Nitroaniline                | ND     |              | 530  | 76   | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 00:04 | 1       |
| 4,6-Dinitro-2-methylphenol    | ND     |              | 530  | 280  | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 00:04 | 1       |
| 4-Bromophenyl phenyl ether    | ND     |              | 280  | 39   | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 00:04 | 1       |
| 4-Chloro-3-methylphenol       | ND     |              | 280  | 68   | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 00:04 | 1       |
| 4-Chloroaniline               | ND     |              | 280  | 68   | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 00:04 | 1       |
| 4-Chlorophenyl phenyl ether   | ND     |              | 280  | 34   | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 00:04 | 1       |
| 4-Methylphenol                | ND     |              | 530  | 32   | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 00:04 | 1       |
| 4-Nitroaniline                | ND     |              | 530  | 140  | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 00:04 | 1       |
| 4-Nitrophenol                 | ND     |              | 530  | 190  | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 00:04 | 1       |
| Acenaphthene                  | ND     |              | 280  | 40   | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 00:04 | 1       |
| Acenaphthylene                | ND     |              | 280  | 36   | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 00:04 | 1       |
| Acetophenone                  | ND     |              | 280  | 37   | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 00:04 | 1       |
| Anthracene                    | ND     |              | 280  | 68   | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 00:04 | 1       |
| Atrazine                      | ND     |              | 280  | 96   | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 00:04 | 1       |
| Benzaldehyde                  | ND     |              | 280  | 220  | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 00:04 | 1       |
| Benzo(a)anthracene            | ND     |              | 280  | 28   | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 00:04 | 1       |
| Benzo(a)pyrene                | 130    | J            | 280  | 40   | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 00:04 | 1       |
| Benzo(b)fluoranthene          | 160    | J            | 280  | 44   | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 00:04 | 1       |
| Benzo(g,h,i)perylene          | 69     | J            | 280  | 29   | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 00:04 | 1       |
| Benzo(k)fluoranthene          | ND     |              | 280  | 36   | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 00:04 | 1       |
| Benzoic acid                  | ND     |              | 7800 | 2400 | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 00:04 | 1       |
| Biphenyl                      | ND     |              | 280  | 40   | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 00:04 | 1       |
| bis (2-chloroisopropyl) ether | ND     |              | 280  | 55   | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 00:04 | 1       |
| Bis(2-chloroethoxy)methane    | ND     |              | 280  | 58   | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 00:04 | 1       |
| Bis(2-chloroethyl)ether       | ND     |              | 280  | 36   | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 00:04 | 1       |
| Bis(2-ethylhexyl) phthalate   | ND     |              | 280  | 94   | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 00:04 | 1       |
| Butyl benzyl phthalate        | ND     |              | 280  | 45   | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 00:04 | 1       |
| Caprolactam                   | ND     |              | 280  | 83   | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 00:04 | 1       |
| Carbazole                     | ND     |              | 280  | 32   | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 00:04 | 1       |
| Chrysene                      | 160    | J            | 280  | 62   | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 00:04 | 1       |
| Dibenz(a,h)anthracene         | ND     |              | 280  | 49   | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 00:04 | 1       |
| Dibenzofuran                  | ND     |              | 280  | 32   | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 00:04 | 1       |
| Diethyl phthalate             | ND     |              | 280  | 36   | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 00:04 | 1       |
| Dimethyl phthalate            | ND     |              | 280  | 32   | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 00:04 | 1       |
| Di-n-butyl phthalate          | 280    | -69--J-B-- U | 280  | 47   | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 00:04 | 1       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

Client Sample ID: SS-23-0212

Lab Sample ID: 480-186319-36

Date Collected: 06/21/21 13:40

Matrix: Solid

Date Received: 06/21/21 16:14

Percent Solids: 60.8

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

| Analyte                       | Result       | Qualifier | RL  | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|--------------|-----------|-----|-----|-------|---|----------------|----------------|---------|
| Di-n-octyl phthalate          | ND           |           | 280 | 32  | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 00:04 | 1       |
| <b>Fluoranthene</b>           | <b>280</b>   |           | 280 | 29  | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 00:04 | 1       |
| Fluorene                      | ND           |           | 280 | 32  | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 00:04 | 1       |
| Hexachlorobenzene             | ND           |           | 280 | 37  | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 00:04 | 1       |
| Hexachlorobutadiene           | ND           |           | 280 | 40  | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 00:04 | 1       |
| Hexachlorocyclopentadiene     | ND           |           | 280 | 37  | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 00:04 | 1       |
| Hexachloroethane              | ND           |           | 280 | 36  | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 00:04 | 1       |
| <b>Indeno(1,2,3-cd)pyrene</b> | <b>72 J</b>  |           | 280 | 34  | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 00:04 | 1       |
| Isophorone                    | ND           |           | 280 | 58  | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 00:04 | 1       |
| Naphthalene                   | ND           |           | 280 | 36  | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 00:04 | 1       |
| Nitrobenzene                  | ND           |           | 280 | 31  | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 00:04 | 1       |
| N-Nitrosodi-n-propylamine     | ND           |           | 280 | 47  | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 00:04 | 1       |
| N-Nitrosodiphenylamine        | ND           |           | 280 | 220 | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 00:04 | 1       |
| Pentachlorophenol             | ND           |           | 530 | 280 | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 00:04 | 1       |
| <b>Phenanthrene</b>           | <b>240 J</b> |           | 280 | 40  | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 00:04 | 1       |
| Phenol                        | ND           |           | 280 | 42  | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 00:04 | 1       |
| <b>Pyrene</b>                 | <b>280</b>   |           | 280 | 32  | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 00:04 | 1       |

| Surrogate            | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 2,4,6-Tribromophenol | 97        |           | 54 - 120 | 06/29/21 15:10 | 07/02/21 00:04 | 1       |
| 2-Fluorobiphenyl     | 88        |           | 60 - 120 | 06/29/21 15:10 | 07/02/21 00:04 | 1       |
| 2-Fluorophenol       | 77        |           | 52 - 120 | 06/29/21 15:10 | 07/02/21 00:04 | 1       |
| Nitrobenzene-d5      | 82        |           | 53 - 120 | 06/29/21 15:10 | 07/02/21 00:04 | 1       |
| p-Terphenyl-d14      | 94        |           | 79 - 130 | 06/29/21 15:10 | 07/02/21 00:04 | 1       |
| Phenol-d5            | 77        |           | 54 - 120 | 06/29/21 15:10 | 07/02/21 00:04 | 1       |

## Method: 8081B - Organochlorine Pesticides (GC)

| Analyte                | Result       | Qualifier   | RL  | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|------------------------|--------------|-------------|-----|------|-------|---|----------------|----------------|---------|
| 4,4'-DDD               | ND           |             | 2.7 | 0.53 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 20:45 | 1       |
| <b>4,4'-DDE</b>        | <b>0.96</b>  | <b>J-J</b>  | 2.7 | 0.57 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 20:45 | 1       |
| <b>4,4'-DDT</b>        | <b>7.0</b>   |             | 2.7 | 0.64 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 20:45 | 1       |
| Aldrin                 | ND           |             | 2.7 | 0.67 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 20:45 | 1       |
| alpha-BHC              | ND           |             | 2.7 | 0.49 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 20:45 | 1       |
| beta-BHC               | ND           |             | 2.7 | 0.49 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 20:45 | 1       |
| cis-Chlordane          | ND           |             | 2.7 | 1.4  | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 20:45 | 1       |
| delta-BHC              | ND           |             | 2.7 | 0.50 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 20:45 | 1       |
| Dieldrin               | ND           |             | 2.7 | 0.65 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 20:45 | 1       |
| Endosulfan I           | ND           |             | 2.7 | 0.52 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 20:45 | 1       |
| Endosulfan II          | ND           |             | 2.7 | 0.49 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 20:45 | 1       |
| Endosulfan sulfate     | ND           |             | 2.7 | 0.51 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 20:45 | 1       |
| Endrin                 | ND           |             | 2.7 | 0.54 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 20:45 | 1       |
| <b>Endrin aldehyde</b> | <b>2.4 J</b> |             | 2.7 | 0.69 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 20:45 | 1       |
| Endrin ketone          | ND           |             | 2.7 | 0.67 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 20:45 | 1       |
| gamma-BHC (Lindane)    | ND           |             | 2.7 | 0.50 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 20:45 | 1       |
| Heptachlor             | ND           |             | 2.7 | 0.59 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 20:45 | 1       |
| Heptachlor epoxide     | ND           |             | 2.7 | 0.70 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 20:45 | 1       |
| Methoxychlor           | ND           |             | 2.7 | 0.55 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 20:45 | 1       |
| <b>Mirex</b>           | <b>1.0</b>   | <b>J-NJ</b> | 2.7 | 0.66 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 20:45 | 1       |
| Toxaphene              | ND           |             | 27  | 16   | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 20:45 | 1       |
| trans-Chlordane        | ND           |             | 2.7 | 0.86 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 20:45 | 1       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

**Client Sample ID: SS-23-0212**

**Lab Sample ID: 480-186319-36**

**Date Collected: 06/21/21 13:40**

**Matrix: Solid**

**Date Received: 06/21/21 16:14**

**Percent Solids: 60.8**

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| DCB Decachlorobiphenyl | 73        |           | 45 - 120 | 06/28/21 15:10 | 06/29/21 20:45 | 1       |
| DCB Decachlorobiphenyl | 93        |           | 45 - 120 | 06/28/21 15:10 | 06/29/21 20:45 | 1       |
| Tetrachloro-m-xylene   | 67        |           | 30 - 124 | 06/28/21 15:10 | 06/29/21 20:45 | 1       |
| Tetrachloro-m-xylene   | 57        |           | 30 - 124 | 06/28/21 15:10 | 06/29/21 20:45 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| PCB-1016 | ND     |           | 0.41 | 0.079 | mg/Kg | ☼ | 06/30/21 15:12 | 07/01/21 16:49 | 1       |
| PCB-1221 | ND     |           | 0.41 | 0.079 | mg/Kg | ☼ | 06/30/21 15:12 | 07/01/21 16:49 | 1       |
| PCB-1232 | ND     |           | 0.41 | 0.079 | mg/Kg | ☼ | 06/30/21 15:12 | 07/01/21 16:49 | 1       |
| PCB-1242 | ND     |           | 0.41 | 0.079 | mg/Kg | ☼ | 06/30/21 15:12 | 07/01/21 16:49 | 1       |
| PCB-1248 | ND     |           | 0.41 | 0.079 | mg/Kg | ☼ | 06/30/21 15:12 | 07/01/21 16:49 | 1       |
| PCB-1254 | ND     |           | 0.41 | 0.19  | mg/Kg | ☼ | 06/30/21 15:12 | 07/01/21 16:49 | 1       |
| PCB-1260 | ND     | UJ        | 0.41 | 0.19  | mg/Kg | ☼ | 06/30/21 15:12 | 07/01/21 16:49 | 1       |
| PCB-1262 | ND     |           | 0.41 | 0.19  | mg/Kg | ☼ | 06/30/21 15:12 | 07/01/21 16:49 | 1       |
| PCB-1268 | ND     |           | 0.41 | 0.19  | mg/Kg | ☼ | 06/30/21 15:12 | 07/01/21 16:49 | 1       |

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| Tetrachloro-m-xylene   | 115       |           | 60 - 154 | 06/30/21 15:12 | 07/01/21 16:49 | 1       |
| Tetrachloro-m-xylene   | 117       |           | 60 - 154 | 06/30/21 15:12 | 07/01/21 16:49 | 1       |
| DCB Decachlorobiphenyl | 108       |           | 65 - 174 | 06/30/21 15:12 | 07/01/21 16:49 | 1       |
| DCB Decachlorobiphenyl | 94        |           | 65 - 174 | 06/30/21 15:12 | 07/01/21 16:49 | 1       |

## Method: 6010C - Metals (ICP)

| Analyte   | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| Aluminum  | 16200  |           | 16.5 | 7.3   | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:48 | 1       |
| Antimony  | ND     |           | 24.8 | 0.66  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:48 | 1       |
| Arsenic   | 6.8    |           | 3.3  | 0.66  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:48 | 1       |
| Barium    | 117    | ^6+       | 0.83 | 0.18  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:48 | 1       |
| Beryllium | 0.77   |           | 0.33 | 0.046 | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:48 | 1       |
| Cadmium   | 2.1    |           | 0.33 | 0.050 | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:48 | 1       |
| Calcium   | 39800  | B         | 82.6 | 5.5   | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:48 | 1       |
| Chromium  | 28.4   |           | 0.83 | 0.33  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:48 | 1       |
| Cobalt    | 10.6   |           | 0.83 | 0.083 | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:48 | 1       |
| Copper    | 69.1   |           | 1.7  | 0.35  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:48 | 1       |
| Iron      | 28300  | B ^+      | 16.5 | 5.8   | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:48 | 1       |
| Lead      | 84.8   |           | 1.7  | 0.40  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:48 | 1       |
| Magnesium | 15300  | B         | 33.0 | 1.5   | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:48 | 1       |
| Manganese | 394    | B         | 0.33 | 0.053 | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:48 | 1       |
| Nickel    | 34.2   |           | 8.3  | 0.38  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:48 | 1       |
| Potassium | 3310   |           | 49.5 | 33.0  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:48 | 1       |
| Selenium  | 2.9    | J         | 6.6  | 0.66  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:48 | 1       |
| Silver    | 1.9    |           | 0.99 | 0.33  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:48 | 1       |
| Sodium    | 203    | J         | 231  | 21.5  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:48 | 1       |
| Thallium  | ND     |           | 9.9  | 0.50  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:48 | 1       |
| Vanadium  | 38.1   |           | 0.83 | 0.18  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:48 | 1       |
| Zinc      | 233    |           | 3.3  | 1.1   | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:48 | 1       |

## Method: 7471B - Mercury (CVAA)

| Analyte | Result | Qualifier | RL    | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------|--------|-----------|-------|-------|-------|---|----------------|----------------|---------|
| Mercury | 0.46   |           | 0.097 | 0.022 | mg/Kg | ☼ | 07/01/21 13:35 | 07/01/21 15:37 | 1       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

**Client Sample ID: SS-24-0002**

**Lab Sample ID: 480-186319-37**

**Date Collected: 06/21/21 13:35**

**Matrix: Solid**

**Date Received: 06/21/21 16:14**

**Percent Solids: 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           |           | 1500  | 410   | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 00:28 | 5       |
| 2,4,6-Trichlorophenol         | ND           |           | 1500  | 300   | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 00:28 | 5       |
| 2,4-Dichlorophenol            | ND           |           | 1500  | 160   | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 00:28 | 5       |
| 2,4-Dimethylphenol            | ND           |           | 1500  | 360   | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 00:28 | 5       |
| 2,4-Dinitrophenol             | ND           |           | 15000 | 6900  | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 00:28 | 5       |
| 2,4-Dinitrotoluene            | ND           |           | 1500  | 310   | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 00:28 | 5       |
| 2,6-Dinitrotoluene            | ND           |           | 1500  | 180   | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 00:28 | 5       |
| 2-Chloronaphthalene           | ND           |           | 1500  | 250   | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 00:28 | 5       |
| 2-Chlorophenol                | ND           |           | 2900  | 270   | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 00:28 | 5       |
| 2-Methylnaphthalene           | ND           |           | 1500  | 300   | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 00:28 | 5       |
| 2-Methylphenol                | ND           |           | 1500  | 180   | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 00:28 | 5       |
| 2-Nitroaniline                | ND           |           | 2900  | 220   | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 00:28 | 5       |
| 2-Nitrophenol                 | ND           |           | 1500  | 420   | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 00:28 | 5       |
| 3,3'-Dichlorobenzidine        | ND           |           | 2900  | 1800  | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 00:28 | 5       |
| 3-Nitroaniline                | ND           |           | 2900  | 420   | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 00:28 | 5       |
| 4,6-Dinitro-2-methylphenol    | ND           |           | 2900  | 1500  | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 00:28 | 5       |
| 4-Bromophenyl phenyl ether    | ND           |           | 1500  | 210   | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 00:28 | 5       |
| 4-Chloro-3-methylphenol       | ND           |           | 1500  | 370   | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 00:28 | 5       |
| 4-Chloroaniline               | ND           |           | 1500  | 370   | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 00:28 | 5       |
| 4-Chlorophenyl phenyl ether   | ND           |           | 1500  | 190   | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 00:28 | 5       |
| 4-Methylphenol                | ND           |           | 2900  | 180   | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 00:28 | 5       |
| 4-Nitroaniline                | ND           |           | 2900  | 790   | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 00:28 | 5       |
| 4-Nitrophenol                 | ND           |           | 2900  | 1100  | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 00:28 | 5       |
| Acenaphthene                  | ND           |           | 1500  | 220   | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 00:28 | 5       |
| Acenaphthylene                | ND           |           | 1500  | 190   | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 00:28 | 5       |
| Acetophenone                  | ND           |           | 1500  | 200   | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 00:28 | 5       |
| Anthracene                    | ND           |           | 1500  | 370   | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 00:28 | 5       |
| Atrazine                      | ND           |           | 1500  | 520   | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 00:28 | 5       |
| Benzaldehyde                  | ND           |           | 1500  | 1200  | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 00:28 | 5       |
| <b>Benzo(a)anthracene</b>     | <b>540 J</b> |           | 1500  | 150   | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 00:28 | 5       |
| <b>Benzo(a)pyrene</b>         | <b>620 J</b> |           | 1500  | 220   | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 00:28 | 5       |
| <b>Benzo(b)fluoranthene</b>   | <b>910 J</b> |           | 1500  | 240   | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 00:28 | 5       |
| <b>Benzo(g,h,i)perylene</b>   | <b>320 J</b> |           | 1500  | 160   | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 00:28 | 5       |
| <b>Benzo(k)fluoranthene</b>   | <b>410 J</b> |           | 1500  | 190   | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 00:28 | 5       |
| Benzoic acid                  | ND           |           | 42000 | 13000 | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 00:28 | 5       |
| Biphenyl                      | ND           |           | 1500  | 220   | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 00:28 | 5       |
| bis (2-chloroisopropyl) ether | ND           |           | 1500  | 300   | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 00:28 | 5       |
| Bis(2-chloroethoxy)methane    | ND           |           | 1500  | 320   | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 00:28 | 5       |
| Bis(2-chloroethyl)ether       | ND           |           | 1500  | 190   | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 00:28 | 5       |
| Bis(2-ethylhexyl) phthalate   | ND           |           | 1500  | 510   | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 00:28 | 5       |
| Butyl benzyl phthalate        | ND           |           | 1500  | 250   | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 00:28 | 5       |
| Caprolactam                   | ND           |           | 1500  | 450   | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 00:28 | 5       |
| Carbazole                     | ND           |           | 1500  | 180   | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 00:28 | 5       |
| <b>Chrysene</b>               | <b>600 J</b> |           | 1500  | 340   | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 00:28 | 5       |
| Dibenz(a,h)anthracene         | ND           |           | 1500  | 270   | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 00:28 | 5       |
| Dibenzofuran                  | ND           |           | 1500  | 180   | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 00:28 | 5       |
| Diethyl phthalate             | ND           |           | 1500  | 190   | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 00:28 | 5       |
| Dimethyl phthalate            | ND           |           | 1500  | 180   | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 00:28 | 5       |
| Di-n-butyl phthalate          | ND           |           | 1500  | 260   | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 00:28 | 5       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

Client Sample ID: SS-24-0002

Lab Sample ID: 480-186319-37

Date Collected: 06/21/21 13:35

Matrix: Solid

Date Received: 06/21/21 16:14

Percent Solids: 55.4

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

| Analyte                       | Result     | Qualifier | RL   | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|------------|-----------|------|------|-------|---|----------------|----------------|---------|
| Di-n-octyl phthalate          | ND         |           | 1500 | 180  | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 00:28 | 5       |
| <b>Fluoranthene</b>           | <b>710</b> | <b>J</b>  | 1500 | 160  | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 00:28 | 5       |
| Fluorene                      | ND         |           | 1500 | 180  | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 00:28 | 5       |
| Hexachlorobenzene             | ND         |           | 1500 | 200  | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 00:28 | 5       |
| Hexachlorobutadiene           | ND         |           | 1500 | 220  | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 00:28 | 5       |
| Hexachlorocyclopentadiene     | ND         |           | 1500 | 200  | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 00:28 | 5       |
| Hexachloroethane              | ND         |           | 1500 | 190  | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 00:28 | 5       |
| <b>Indeno(1,2,3-cd)pyrene</b> | <b>350</b> | <b>J</b>  | 1500 | 190  | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 00:28 | 5       |
| Isophorone                    | ND         |           | 1500 | 320  | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 00:28 | 5       |
| Naphthalene                   | ND         |           | 1500 | 190  | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 00:28 | 5       |
| Nitrobenzene                  | ND         |           | 1500 | 170  | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 00:28 | 5       |
| N-Nitrosodi-n-propylamine     | ND         |           | 1500 | 260  | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 00:28 | 5       |
| N-Nitrosodiphenylamine        | ND         |           | 1500 | 1200 | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 00:28 | 5       |
| Pentachlorophenol             | ND         |           | 2900 | 1500 | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 00:28 | 5       |
| <b>Phenanthrene</b>           | <b>350</b> | <b>J</b>  | 1500 | 220  | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 00:28 | 5       |
| Phenol                        | ND         |           | 1500 | 230  | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 00:28 | 5       |
| <b>Pyrene</b>                 | <b>810</b> | <b>J</b>  | 1500 | 180  | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 00:28 | 5       |

| Surrogate            | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 2,4,6-Tribromophenol | 100       |           | 54 - 120 | 06/29/21 15:10 | 07/02/21 00:28 | 5       |
| 2-Fluorobiphenyl     | 73        |           | 60 - 120 | 06/29/21 15:10 | 07/02/21 00:28 | 5       |
| 2-Fluorophenol       | 62        |           | 52 - 120 | 06/29/21 15:10 | 07/02/21 00:28 | 5       |
| Nitrobenzene-d5      | 64        |           | 53 - 120 | 06/29/21 15:10 | 07/02/21 00:28 | 5       |
| p-Terphenyl-d14      | 95        |           | 79 - 130 | 06/29/21 15:10 | 07/02/21 00:28 | 5       |
| Phenol-d5            | 65        |           | 54 - 120 | 06/29/21 15:10 | 07/02/21 00:28 | 5       |

## Method: 8081B - Organochlorine Pesticides (GC)

| Analyte                | Result     | Qualifier   | RL  | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|------------------------|------------|-------------|-----|------|-------|---|----------------|----------------|---------|
| 4,4'-DDD               | ND         |             | 3.0 | 0.58 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 21:24 | 1       |
| 4,4'-DDE               | ND         |             | 3.0 | 0.62 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 21:24 | 1       |
| <b>4,4'-DDT</b>        | <b>15</b>  | <b>J</b>    | 3.0 | 0.69 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 21:24 | 1       |
| Aldrin                 | ND         |             | 3.0 | 0.73 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 21:24 | 1       |
| alpha-BHC              | ND         |             | 3.0 | 0.53 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 21:24 | 1       |
| beta-BHC               | ND         |             | 3.0 | 0.53 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 21:24 | 1       |
| cis-Chlordane          | ND         |             | 3.0 | 1.5  | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 21:24 | 1       |
| delta-BHC              | ND         |             | 3.0 | 0.55 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 21:24 | 1       |
| <b>Dieldrin</b>        | <b>2.0</b> | <b>-JJ</b>  | 3.0 | 0.71 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 21:24 | 1       |
| Endosulfan I           | ND         |             | 3.0 | 0.57 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 21:24 | 1       |
| Endosulfan II          | ND         |             | 3.0 | 0.53 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 21:24 | 1       |
| Endosulfan sulfate     | ND         |             | 3.0 | 0.55 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 21:24 | 1       |
| Endrin                 | ND         |             | 3.0 | 0.59 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 21:24 | 1       |
| <b>Endrin aldehyde</b> | <b>1.6</b> | <b>-JNJ</b> | 3.0 | 0.76 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 21:24 | 1       |
| Endrin ketone          | ND         |             | 3.0 | 0.73 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 21:24 | 1       |
| gamma-BHC (Lindane)    | ND         |             | 3.0 | 0.54 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 21:24 | 1       |
| Heptachlor             | ND         |             | 3.0 | 0.64 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 21:24 | 1       |
| Heptachlor epoxide     | ND         |             | 3.0 | 0.76 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 21:24 | 1       |
| <b>Methoxychlor</b>    | <b>4.6</b> | <b>NJ</b>   | 3.0 | 0.60 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 21:24 | 1       |
| <b>Mirex</b>           | <b>2.4</b> | <b>-JNJ</b> | 3.0 | 0.73 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 21:24 | 1       |
| Toxaphene              | ND         |             | 30  | 17   | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 21:24 | 1       |
| trans-Chlordane        | ND         |             | 3.0 | 0.94 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 21:24 | 1       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

**Client Sample ID: SS-24-0002**

**Lab Sample ID: 480-186319-37**

**Date Collected: 06/21/21 13:35**

**Matrix: Solid**

**Date Received: 06/21/21 16:14**

**Percent Solids: 55.4**

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| DCB Decachlorobiphenyl | 1965      | S1+       | 45 - 120 | 06/28/21 15:10 | 06/29/21 21:24 | 1       |
| DCB Decachlorobiphenyl | 1903      | S1+       | 45 - 120 | 06/28/21 15:10 | 06/29/21 21:24 | 1       |
| Tetrachloro-m-xylene   | 84        |           | 30 - 124 | 06/28/21 15:10 | 06/29/21 21:24 | 1       |
| Tetrachloro-m-xylene   | 71        |           | 30 - 124 | 06/28/21 15:10 | 06/29/21 21:24 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| PCB-1016 | ND     |           | 0.39 | 0.076 | mg/Kg | ☼ | 06/30/21 15:12 | 07/01/21 17:01 | 1       |
| PCB-1221 | ND     |           | 0.39 | 0.076 | mg/Kg | ☼ | 06/30/21 15:12 | 07/01/21 17:01 | 1       |
| PCB-1232 | ND     |           | 0.39 | 0.076 | mg/Kg | ☼ | 06/30/21 15:12 | 07/01/21 17:01 | 1       |
| PCB-1242 | ND     |           | 0.39 | 0.076 | mg/Kg | ☼ | 06/30/21 15:12 | 07/01/21 17:01 | 1       |
| PCB-1248 | ND     |           | 0.39 | 0.076 | mg/Kg | ☼ | 06/30/21 15:12 | 07/01/21 17:01 | 1       |
| PCB-1254 | ND     |           | 0.39 | 0.18  | mg/Kg | ☼ | 06/30/21 15:12 | 07/01/21 17:01 | 1       |
| PCB-1260 | ND     | UJ        | 0.39 | 0.18  | mg/Kg | ☼ | 06/30/21 15:12 | 07/01/21 17:01 | 1       |
| PCB-1262 | ND     |           | 0.39 | 0.18  | mg/Kg | ☼ | 06/30/21 15:12 | 07/01/21 17:01 | 1       |
| PCB-1268 | ND     |           | 0.39 | 0.18  | mg/Kg | ☼ | 06/30/21 15:12 | 07/01/21 17:01 | 1       |

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| Tetrachloro-m-xylene   | 99        |           | 60 - 154 | 06/30/21 15:12 | 07/01/21 17:01 | 1       |
| Tetrachloro-m-xylene   | 102       |           | 60 - 154 | 06/30/21 15:12 | 07/01/21 17:01 | 1       |
| DCB Decachlorobiphenyl | 91        |           | 65 - 174 | 06/30/21 15:12 | 07/01/21 17:01 | 1       |
| DCB Decachlorobiphenyl | 81        |           | 65 - 174 | 06/30/21 15:12 | 07/01/21 17:01 | 1       |

## Method: 6010C - Metals (ICP)

| Analyte   | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| Aluminum  | 14700  |           | 18.8 | 8.3   | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:51 | 1       |
| Antimony  | ND     |           | 28.3 | 0.75  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:51 | 1       |
| Arsenic   | 4.9    |           | 3.8  | 0.75  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:51 | 1       |
| Barium    | 99.3   | ^6+       | 0.94 | 0.21  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:51 | 1       |
| Beryllium | 0.74   |           | 0.38 | 0.053 | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:51 | 1       |
| Cadmium   | 3.1    |           | 0.38 | 0.057 | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:51 | 1       |
| Calcium   | 23700  | B         | 94.2 | 6.2   | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:51 | 1       |
| Chromium  | 28.6   |           | 0.94 | 0.38  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:51 | 1       |
| Cobalt    | 8.7    |           | 0.94 | 0.094 | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:51 | 1       |
| Copper    | 81.9   |           | 1.9  | 0.40  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:51 | 1       |
| Iron      | 24600  | B ^+      | 18.8 | 6.6   | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:51 | 1       |
| Lead      | 241    |           | 1.9  | 0.45  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:51 | 1       |
| Magnesium | 11400  | B         | 37.7 | 1.7   | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:51 | 1       |
| Manganese | 252    | B         | 0.38 | 0.060 | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:51 | 1       |
| Nickel    | 29.6   |           | 9.4  | 0.43  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:51 | 1       |
| Potassium | 2740   |           | 56.5 | 37.7  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:51 | 1       |
| Selenium  | 2.4    | J         | 7.5  | 0.75  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:51 | 1       |
| Silver    | 1.2    |           | 1.1  | 0.38  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:51 | 1       |
| Sodium    | 182    | J         | 264  | 24.5  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:51 | 1       |
| Thallium  | ND     |           | 11.3 | 0.57  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:51 | 1       |
| Vanadium  | 33.7   |           | 0.94 | 0.21  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:51 | 1       |
| Zinc      | 226    |           | 3.8  | 1.2   | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:51 | 1       |

## Method: 7471B - Mercury (CVAA)

| Analyte | Result | Qualifier | RL    | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------|--------|-----------|-------|-------|-------|---|----------------|----------------|---------|
| Mercury | 0.36   |           | 0.090 | 0.021 | mg/Kg | ☼ | 07/01/21 13:35 | 07/01/21 15:38 | 1       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

**Client Sample ID: SS-24-0212**

**Lab Sample ID: 480-186319-38**

**Date Collected: 06/21/21 13:30**

**Matrix: Solid**

**Date Received: 06/21/21 16:14**

**Percent Solids: 67.8**

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

| Analyte                       | Result | Qualifier | RL    | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|--------|-----------|-------|-------|-------|---|----------------|----------------|---------|
| 2,4,5-Trichlorophenol         | ND     |           | 1200  | 330   | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 00:51 | 5       |
| 2,4,6-Trichlorophenol         | ND     |           | 1200  | 250   | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 00:51 | 5       |
| 2,4-Dichlorophenol            | ND     |           | 1200  | 130   | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 00:51 | 5       |
| 2,4-Dimethylphenol            | ND     |           | 1200  | 300   | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 00:51 | 5       |
| 2,4-Dinitrophenol             | ND     |           | 12000 | 5700  | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 00:51 | 5       |
| 2,4-Dinitrotoluene            | ND     |           | 1200  | 250   | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 00:51 | 5       |
| 2,6-Dinitrotoluene            | ND     |           | 1200  | 140   | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 00:51 | 5       |
| 2-Chloronaphthalene           | ND     |           | 1200  | 200   | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 00:51 | 5       |
| 2-Chlorophenol                | ND     |           | 2400  | 220   | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 00:51 | 5       |
| 2-Methylnaphthalene           | ND     |           | 1200  | 250   | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 00:51 | 5       |
| 2-Methylphenol                | ND     |           | 1200  | 140   | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 00:51 | 5       |
| 2-Nitroaniline                | ND     |           | 2400  | 180   | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 00:51 | 5       |
| 2-Nitrophenol                 | ND     |           | 1200  | 350   | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 00:51 | 5       |
| 3,3'-Dichlorobenzidine        | ND     |           | 2400  | 1400  | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 00:51 | 5       |
| 3-Nitroaniline                | ND     |           | 2400  | 340   | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 00:51 | 5       |
| 4,6-Dinitro-2-methylphenol    | ND     |           | 2400  | 1200  | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 00:51 | 5       |
| 4-Bromophenyl phenyl ether    | ND     |           | 1200  | 170   | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 00:51 | 5       |
| 4-Chloro-3-methylphenol       | ND     |           | 1200  | 300   | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 00:51 | 5       |
| 4-Chloroaniline               | ND     |           | 1200  | 300   | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 00:51 | 5       |
| 4-Chlorophenyl phenyl ether   | ND     |           | 1200  | 150   | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 00:51 | 5       |
| 4-Methylphenol                | ND     |           | 2400  | 140   | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 00:51 | 5       |
| 4-Nitroaniline                | ND     |           | 2400  | 640   | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 00:51 | 5       |
| 4-Nitrophenol                 | ND     |           | 2400  | 860   | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 00:51 | 5       |
| Acenaphthene                  | ND     |           | 1200  | 180   | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 00:51 | 5       |
| Acenaphthylene                | ND     |           | 1200  | 160   | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 00:51 | 5       |
| Acetophenone                  | ND     |           | 1200  | 170   | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 00:51 | 5       |
| Anthracene                    | ND     |           | 1200  | 300   | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 00:51 | 5       |
| Atrazine                      | ND     |           | 1200  | 430   | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 00:51 | 5       |
| Benzaldehyde                  | ND     |           | 1200  | 980   | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 00:51 | 5       |
| Benzo(a)anthracene            | ND     |           | 1200  | 120   | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 00:51 | 5       |
| Benzo(a)pyrene                | 500    | J         | 1200  | 180   | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 00:51 | 5       |
| Benzo(b)fluoranthene          | 990    | J         | 1200  | 200   | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 00:51 | 5       |
| Benzo(g,h,i)perylene          | 240    | J         | 1200  | 130   | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 00:51 | 5       |
| Benzo(k)fluoranthene          | ND     |           | 1200  | 160   | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 00:51 | 5       |
| Benzoic acid                  | ND     |           | 35000 | 11000 | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 00:51 | 5       |
| Biphenyl                      | ND     |           | 1200  | 180   | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 00:51 | 5       |
| bis (2-chloroisopropyl) ether | ND     |           | 1200  | 250   | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 00:51 | 5       |
| Bis(2-chloroethoxy)methane    | ND     |           | 1200  | 260   | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 00:51 | 5       |
| Bis(2-chloroethyl)ether       | ND     |           | 1200  | 160   | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 00:51 | 5       |
| Bis(2-ethylhexyl) phthalate   | ND     |           | 1200  | 420   | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 00:51 | 5       |
| Butyl benzyl phthalate        | ND     |           | 1200  | 200   | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 00:51 | 5       |
| Caprolactam                   | ND     |           | 1200  | 370   | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 00:51 | 5       |
| Carbazole                     | ND     |           | 1200  | 140   | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 00:51 | 5       |
| Chrysene                      | 420    | J         | 1200  | 270   | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 00:51 | 5       |
| Dibenz(a,h)anthracene         | ND     |           | 1200  | 220   | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 00:51 | 5       |
| Dibenzofuran                  | ND     |           | 1200  | 140   | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 00:51 | 5       |
| Diethyl phthalate             | ND     |           | 1200  | 160   | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 00:51 | 5       |
| Dimethyl phthalate            | ND     |           | 1200  | 140   | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 00:51 | 5       |
| Di-n-butyl phthalate          | ND     |           | 1200  | 210   | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 00:51 | 5       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

**Client Sample ID: SS-24-0212**

**Lab Sample ID: 480-186319-38**

**Date Collected: 06/21/21 13:30**

**Matrix: Solid**

**Date Received: 06/21/21 16:14**

**Percent Solids: 67.8**

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

| Analyte                       | Result     | Qualifier | RL   | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|------------|-----------|------|------|-------|---|----------------|----------------|---------|
| Di-n-octyl phthalate          | ND         |           | 1200 | 140  | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 00:51 | 5       |
| <b>Fluoranthene</b>           | <b>530</b> | <b>J</b>  | 1200 | 130  | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 00:51 | 5       |
| Fluorene                      | ND         |           | 1200 | 140  | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 00:51 | 5       |
| Hexachlorobenzene             | ND         |           | 1200 | 170  | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 00:51 | 5       |
| Hexachlorobutadiene           | ND         |           | 1200 | 180  | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 00:51 | 5       |
| Hexachlorocyclopentadiene     | ND         |           | 1200 | 170  | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 00:51 | 5       |
| Hexachloroethane              | ND         |           | 1200 | 160  | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 00:51 | 5       |
| <b>Indeno(1,2,3-cd)pyrene</b> | <b>280</b> | <b>J</b>  | 1200 | 150  | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 00:51 | 5       |
| Isophorone                    | ND         |           | 1200 | 260  | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 00:51 | 5       |
| Naphthalene                   | ND         |           | 1200 | 160  | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 00:51 | 5       |
| Nitrobenzene                  | ND         |           | 1200 | 140  | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 00:51 | 5       |
| N-Nitrosodi-n-propylamine     | ND         |           | 1200 | 210  | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 00:51 | 5       |
| N-Nitrosodiphenylamine        | ND         |           | 1200 | 1000 | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 00:51 | 5       |
| Pentachlorophenol             | ND         |           | 2400 | 1200 | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 00:51 | 5       |
| <b>Phenanthrene</b>           | <b>200</b> | <b>J</b>  | 1200 | 180  | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 00:51 | 5       |
| Phenol                        | ND         |           | 1200 | 190  | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 00:51 | 5       |
| <b>Pyrene</b>                 | <b>570</b> | <b>J</b>  | 1200 | 140  | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 00:51 | 5       |

| Surrogate            | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 2,4,6-Tribromophenol | 77        |           | 54 - 120 | 06/29/21 15:10 | 07/02/21 00:51 | 5       |
| 2-Fluorobiphenyl     | 60        |           | 60 - 120 | 06/29/21 15:10 | 07/02/21 00:51 | 5       |
| 2-Fluorophenol       | 55        |           | 52 - 120 | 06/29/21 15:10 | 07/02/21 00:51 | 5       |
| Nitrobenzene-d5      | 59        |           | 53 - 120 | 06/29/21 15:10 | 07/02/21 00:51 | 5       |
| p-Terphenyl-d14      | 78        | S1-       | 79 - 130 | 06/29/21 15:10 | 07/02/21 00:51 | 5       |
| Phenol-d5            | 58        |           | 54 - 120 | 06/29/21 15:10 | 07/02/21 00:51 | 5       |

## Method: 8081B - Organochlorine Pesticides (GC)

| Analyte             | Result | Qualifier | RL   | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|--------|-----------|------|-----|-------|---|----------------|----------------|---------|
| 4,4'-DDD            | ND     |           | 120  | 23  | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 21:44 | 50      |
| 4,4'-DDE            | ND     |           | 120  | 25  | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 21:44 | 50      |
| 4,4'-DDT            | ND     |           | 120  | 28  | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 21:44 | 50      |
| Aldrin              | ND     |           | 120  | 30  | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 21:44 | 50      |
| alpha-BHC           | ND     |           | 120  | 22  | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 21:44 | 50      |
| beta-BHC            | ND     |           | 120  | 22  | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 21:44 | 50      |
| cis-Chlordane       | ND     |           | 120  | 60  | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 21:44 | 50      |
| delta-BHC           | ND     |           | 120  | 22  | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 21:44 | 50      |
| Dieldrin            | ND     |           | 120  | 29  | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 21:44 | 50      |
| Endosulfan I        | ND     |           | 120  | 23  | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 21:44 | 50      |
| Endosulfan II       | ND     |           | 120  | 22  | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 21:44 | 50      |
| Endosulfan sulfate  | ND     |           | 120  | 22  | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 21:44 | 50      |
| Endrin              | ND     |           | 120  | 24  | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 21:44 | 50      |
| Endrin aldehyde     | ND     |           | 120  | 31  | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 21:44 | 50      |
| Endrin ketone       | ND     |           | 120  | 30  | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 21:44 | 50      |
| gamma-BHC (Lindane) | ND     |           | 120  | 22  | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 21:44 | 50      |
| Heptachlor          | ND     |           | 120  | 26  | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 21:44 | 50      |
| Heptachlor epoxide  | ND     |           | 120  | 31  | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 21:44 | 50      |
| Methoxychlor        | ND     |           | 120  | 25  | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 21:44 | 50      |
| Mirex               | ND     |           | 120  | 29  | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 21:44 | 50      |
| Toxaphene           | ND     |           | 1200 | 700 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 21:44 | 50      |
| trans-Chlordane     | ND     |           | 120  | 38  | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 21:44 | 50      |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

Client Sample ID: SS-24-0212

Lab Sample ID: 480-186319-38

Date Collected: 06/21/21 13:30

Matrix: Solid

Date Received: 06/21/21 16:14

Percent Solids: 67.8

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| DCB Decachlorobiphenyl | 0         | S1-       | 45 - 120 | 06/28/21 15:10 | 06/29/21 21:44 | 50      |
| DCB Decachlorobiphenyl | 0         | S1-       | 45 - 120 | 06/28/21 15:10 | 06/29/21 21:44 | 50      |
| Tetrachloro-m-xylene   | 0         | S1-       | 30 - 124 | 06/28/21 15:10 | 06/29/21 21:44 | 50      |
| Tetrachloro-m-xylene   | 0         | S1-       | 30 - 124 | 06/28/21 15:10 | 06/29/21 21:44 | 50      |

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

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| PCB-1016 | ND     |           | 0.34 | 0.067 | mg/Kg | ☼ | 06/30/21 15:12 | 07/01/21 17:40 | 1       |
| PCB-1221 | ND     |           | 0.34 | 0.067 | mg/Kg | ☼ | 06/30/21 15:12 | 07/01/21 17:40 | 1       |
| PCB-1232 | ND     |           | 0.34 | 0.067 | mg/Kg | ☼ | 06/30/21 15:12 | 07/01/21 17:40 | 1       |
| PCB-1242 | ND     |           | 0.34 | 0.067 | mg/Kg | ☼ | 06/30/21 15:12 | 07/01/21 17:40 | 1       |
| PCB-1248 | ND     |           | 0.34 | 0.067 | mg/Kg | ☼ | 06/30/21 15:12 | 07/01/21 17:40 | 1       |
| PCB-1254 | 0.17   | J,J       | 0.34 | 0.16  | mg/Kg | ☼ | 06/30/21 15:12 | 07/01/21 17:40 | 1       |
| PCB-1260 | ND     | UJ        | 0.34 | 0.16  | mg/Kg | ☼ | 06/30/21 15:12 | 07/01/21 17:40 | 1       |
| PCB-1262 | ND     |           | 0.34 | 0.16  | mg/Kg | ☼ | 06/30/21 15:12 | 07/01/21 17:40 | 1       |
| PCB-1268 | ND     |           | 0.34 | 0.16  | mg/Kg | ☼ | 06/30/21 15:12 | 07/01/21 17:40 | 1       |

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| Tetrachloro-m-xylene   | 110       |           | 60 - 154 | 06/30/21 15:12 | 07/01/21 17:40 | 1       |
| Tetrachloro-m-xylene   | 114       |           | 60 - 154 | 06/30/21 15:12 | 07/01/21 17:40 | 1       |
| DCB Decachlorobiphenyl | 99        |           | 65 - 174 | 06/30/21 15:12 | 07/01/21 17:40 | 1       |
| DCB Decachlorobiphenyl | 103       |           | 65 - 174 | 06/30/21 15:12 | 07/01/21 17:40 | 1       |

## Method: 6010C - Metals (ICP)

| Analyte   | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| Aluminum  | 12800  |           | 14.5 | 6.4   | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:55 | 1       |
| Antimony  | ND     |           | 21.8 | 0.58  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:55 | 1       |
| Arsenic   | 4.2    |           | 2.9  | 0.58  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:55 | 1       |
| Barium    | 83.9   | ^6+       | 0.73 | 0.16  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:55 | 1       |
| Beryllium | 0.61   |           | 0.29 | 0.041 | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:55 | 1       |
| Cadmium   | 3.1    |           | 0.29 | 0.044 | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:55 | 1       |
| Calcium   | 15000  | B         | 72.6 | 4.8   | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:55 | 1       |
| Chromium  | 25.7   |           | 0.73 | 0.29  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:55 | 1       |
| Cobalt    | 7.5    |           | 0.73 | 0.073 | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:55 | 1       |
| Copper    | 81.8   |           | 1.5  | 0.31  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:55 | 1       |
| Iron      | 20400  | B ^+      | 14.5 | 5.1   | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:55 | 1       |
| Lead      | 75.0   |           | 1.5  | 0.35  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:55 | 1       |
| Magnesium | 7820   | B         | 29.1 | 1.3   | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:55 | 1       |
| Manganese | 180    | B         | 0.29 | 0.046 | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:55 | 1       |
| Nickel    | 29.0   |           | 7.3  | 0.33  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:55 | 1       |
| Potassium | 2370   |           | 43.6 | 29.1  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:55 | 1       |
| Selenium  | 2.4    | J         | 5.8  | 0.58  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:55 | 1       |
| Silver    | 1.5    |           | 0.87 | 0.29  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:55 | 1       |
| Sodium    | 150    | J         | 203  | 18.9  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:55 | 1       |
| Thallium  | ND     |           | 8.7  | 0.44  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:55 | 1       |
| Vanadium  | 28.9   |           | 0.73 | 0.16  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:55 | 1       |
| Zinc      | 224    |           | 2.9  | 0.93  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:55 | 1       |

## Method: 7471B - Mercury (CVAA)

| Analyte | Result | Qualifier | RL    | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------|--------|-----------|-------|-------|-------|---|----------------|----------------|---------|
| Mercury | 0.42   |           | 0.075 | 0.017 | mg/Kg | ☼ | 07/01/21 13:35 | 07/01/21 15:39 | 1       |

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ALH 9/23/21

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

**Client Sample ID: SS-25-0002**

**Lab Sample ID: 480-186319-39**

**Date Collected: 06/21/21 13:15**

**Matrix: Solid**

**Date Received: 06/21/21 16:14**

**Percent Solids: 60.9**

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

| Analyte                       | Result | Qualifier | RL    | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|--------|-----------|-------|-------|-------|---|----------------|----------------|---------|
| 2,4,5-Trichlorophenol         | ND     |           | 1400  | 370   | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 01:15 | 5       |
| 2,4,6-Trichlorophenol         | ND     |           | 1400  | 270   | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 01:15 | 5       |
| 2,4-Dichlorophenol            | ND     |           | 1400  | 140   | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 01:15 | 5       |
| 2,4-Dimethylphenol            | ND     |           | 1400  | 330   | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 01:15 | 5       |
| 2,4-Dinitrophenol             | ND     |           | 13000 | 6300  | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 01:15 | 5       |
| 2,4-Dinitrotoluene            | ND     |           | 1400  | 280   | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 01:15 | 5       |
| 2,6-Dinitrotoluene            | ND     |           | 1400  | 160   | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 01:15 | 5       |
| 2-Chloronaphthalene           | ND     |           | 1400  | 220   | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 01:15 | 5       |
| 2-Chlorophenol                | ND     |           | 2600  | 250   | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 01:15 | 5       |
| 2-Methylnaphthalene           | ND     |           | 1400  | 270   | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 01:15 | 5       |
| 2-Methylphenol                | ND     |           | 1400  | 160   | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 01:15 | 5       |
| 2-Nitroaniline                | ND     |           | 2600  | 200   | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 01:15 | 5       |
| 2-Nitrophenol                 | ND     |           | 1400  | 390   | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 01:15 | 5       |
| 3,3'-Dichlorobenzidine        | ND     |           | 2600  | 1600  | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 01:15 | 5       |
| 3-Nitroaniline                | ND     |           | 2600  | 380   | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 01:15 | 5       |
| 4,6-Dinitro-2-methylphenol    | ND     |           | 2600  | 1400  | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 01:15 | 5       |
| 4-Bromophenyl phenyl ether    | ND     |           | 1400  | 190   | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 01:15 | 5       |
| 4-Chloro-3-methylphenol       | ND     |           | 1400  | 340   | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 01:15 | 5       |
| 4-Chloroaniline               | ND     |           | 1400  | 340   | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 01:15 | 5       |
| 4-Chlorophenyl phenyl ether   | ND     |           | 1400  | 170   | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 01:15 | 5       |
| 4-Methylphenol                | ND     |           | 2600  | 160   | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 01:15 | 5       |
| 4-Nitroaniline                | ND     |           | 2600  | 710   | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 01:15 | 5       |
| 4-Nitrophenol                 | ND     |           | 2600  | 950   | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 01:15 | 5       |
| Acenaphthene                  | ND     |           | 1400  | 200   | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 01:15 | 5       |
| Acenaphthylene                | ND     |           | 1400  | 180   | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 01:15 | 5       |
| Acetophenone                  | ND     |           | 1400  | 180   | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 01:15 | 5       |
| Anthracene                    | ND     |           | 1400  | 340   | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 01:15 | 5       |
| Atrazine                      | ND     |           | 1400  | 470   | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 01:15 | 5       |
| Benzaldehyde                  | ND     |           | 1400  | 1100  | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 01:15 | 5       |
| Benzo(a)anthracene            | 660    | J         | 1400  | 140   | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 01:15 | 5       |
| Benzo(a)pyrene                | 550    | J         | 1400  | 200   | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 01:15 | 5       |
| Benzo(b)fluoranthene          | 790    | J         | 1400  | 220   | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 01:15 | 5       |
| Benzo(g,h,i)perylene          | 240    | J         | 1400  | 140   | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 01:15 | 5       |
| Benzo(k)fluoranthene          | 300    | J         | 1400  | 180   | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 01:15 | 5       |
| Benzoic acid                  | ND     |           | 39000 | 12000 | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 01:15 | 5       |
| Biphenyl                      | ND     |           | 1400  | 200   | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 01:15 | 5       |
| bis (2-chloroisopropyl) ether | ND     |           | 1400  | 270   | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 01:15 | 5       |
| Bis(2-chloroethoxy)methane    | ND     |           | 1400  | 290   | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 01:15 | 5       |
| Bis(2-chloroethyl)ether       | ND     |           | 1400  | 180   | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 01:15 | 5       |
| Bis(2-ethylhexyl) phthalate   | ND     |           | 1400  | 470   | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 01:15 | 5       |
| Butyl benzyl phthalate        | ND     |           | 1400  | 220   | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 01:15 | 5       |
| Caprolactam                   | ND     |           | 1400  | 410   | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 01:15 | 5       |
| Carbazole                     | ND     |           | 1400  | 160   | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 01:15 | 5       |
| Chrysene                      | 640    | J         | 1400  | 300   | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 01:15 | 5       |
| Dibenz(a,h)anthracene         | ND     |           | 1400  | 240   | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 01:15 | 5       |
| Dibenzofuran                  | ND     |           | 1400  | 160   | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 01:15 | 5       |
| Diethyl phthalate             | ND     |           | 1400  | 180   | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 01:15 | 5       |
| Dimethyl phthalate            | ND     |           | 1400  | 160   | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 01:15 | 5       |
| Di-n-butyl phthalate          | ND     |           | 1400  | 230   | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 01:15 | 5       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

Client Sample ID: SS-25-0002

Lab Sample ID: 480-186319-39

Date Collected: 06/21/21 13:15

Matrix: Solid

Date Received: 06/21/21 16:14

Percent Solids: 60.9

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

| Analyte                       | Result      | Qualifier | RL   | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|-------------|-----------|------|------|-------|---|----------------|----------------|---------|
| Di-n-octyl phthalate          | ND          |           | 1400 | 160  | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 01:15 | 5       |
| <b>Fluoranthene</b>           | <b>1300</b> | <b>J</b>  | 1400 | 140  | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 01:15 | 5       |
| Fluorene                      | ND          |           | 1400 | 160  | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 01:15 | 5       |
| Hexachlorobenzene             | ND          |           | 1400 | 180  | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 01:15 | 5       |
| Hexachlorobutadiene           | ND          |           | 1400 | 200  | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 01:15 | 5       |
| Hexachlorocyclopentadiene     | ND          |           | 1400 | 180  | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 01:15 | 5       |
| Hexachloroethane              | ND          |           | 1400 | 180  | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 01:15 | 5       |
| <b>Indeno(1,2,3-cd)pyrene</b> | <b>320</b>  | <b>J</b>  | 1400 | 170  | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 01:15 | 5       |
| Isophorone                    | ND          |           | 1400 | 290  | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 01:15 | 5       |
| Naphthalene                   | ND          |           | 1400 | 180  | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 01:15 | 5       |
| Nitrobenzene                  | ND          |           | 1400 | 150  | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 01:15 | 5       |
| N-Nitrosodi-n-propylamine     | ND          |           | 1400 | 230  | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 01:15 | 5       |
| N-Nitrosodiphenylamine        | ND          |           | 1400 | 1100 | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 01:15 | 5       |
| Pentachlorophenol             | ND          |           | 2600 | 1400 | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 01:15 | 5       |
| <b>Phenanthrene</b>           | <b>570</b>  | <b>J</b>  | 1400 | 200  | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 01:15 | 5       |
| Phenol                        | ND          |           | 1400 | 210  | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 01:15 | 5       |
| <b>Pyrene</b>                 | <b>920</b>  | <b>J</b>  | 1400 | 160  | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 01:15 | 5       |

| Surrogate            | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 2,4,6-Tribromophenol | 94        |           | 54 - 120 | 06/29/21 15:10 | 07/02/21 01:15 | 5       |
| 2-Fluorobiphenyl     | 77        |           | 60 - 120 | 06/29/21 15:10 | 07/02/21 01:15 | 5       |
| 2-Fluorophenol       | 71        |           | 52 - 120 | 06/29/21 15:10 | 07/02/21 01:15 | 5       |
| Nitrobenzene-d5      | 72        |           | 53 - 120 | 06/29/21 15:10 | 07/02/21 01:15 | 5       |
| p-Terphenyl-d14      | 96        |           | 79 - 130 | 06/29/21 15:10 | 07/02/21 01:15 | 5       |
| Phenol-d5            | 72        |           | 54 - 120 | 06/29/21 15:10 | 07/02/21 01:15 | 5       |

## Method: 8081B - Organochlorine Pesticides (GC)

| Analyte             | Result    | Qualifier           | RL  | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|-----------|---------------------|-----|-----|-------|---|----------------|----------------|---------|
| 4,4'-DDD            | ND        |                     | 13  | 2.6 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 22:04 | 5       |
| 4,4'-DDE            | ND        |                     | 13  | 2.8 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 22:04 | 5       |
| <b>4,4'-DDT</b>     | <b>13</b> | <b>--9.0--J-- U</b> | 13  | 3.1 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 22:04 | 5       |
| Aldrin              | ND        |                     | 13  | 3.3 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 22:04 | 5       |
| alpha-BHC           | ND        |                     | 13  | 2.4 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 22:04 | 5       |
| beta-BHC            | ND        |                     | 13  | 2.4 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 22:04 | 5       |
| cis-Chlordane       | ND        |                     | 13  | 6.7 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 22:04 | 5       |
| delta-BHC           | ND        |                     | 13  | 2.5 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 22:04 | 5       |
| Dieldrin            | ND        |                     | 13  | 3.2 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 22:04 | 5       |
| Endosulfan I        | ND        |                     | 13  | 2.6 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 22:04 | 5       |
| Endosulfan II       | ND        |                     | 13  | 2.4 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 22:04 | 5       |
| Endosulfan sulfate  | ND        |                     | 13  | 2.5 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 22:04 | 5       |
| Endrin              | ND        |                     | 13  | 2.7 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 22:04 | 5       |
| Endrin aldehyde     | ND        |                     | 13  | 3.4 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 22:04 | 5       |
| Endrin ketone       | ND        |                     | 13  | 3.3 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 22:04 | 5       |
| gamma-BHC (Lindane) | ND        |                     | 13  | 2.5 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 22:04 | 5       |
| Heptachlor          | ND        |                     | 13  | 2.9 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 22:04 | 5       |
| Heptachlor epoxide  | ND        |                     | 13  | 3.5 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 22:04 | 5       |
| Methoxychlor        | ND        |                     | 13  | 2.7 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 22:04 | 5       |
| Mirex               | ND        |                     | 13  | 3.3 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 22:04 | 5       |
| Toxaphene           | ND        |                     | 130 | 78  | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 22:04 | 5       |
| trans-Chlordane     | ND        |                     | 13  | 4.3 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 22:04 | 5       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

**Client Sample ID: SS-25-0002**

**Lab Sample ID: 480-186319-39**

**Date Collected: 06/21/21 13:15**

**Matrix: Solid**

**Date Received: 06/21/21 16:14**

**Percent Solids: 60.9**

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| DCB Decachlorobiphenyl | 85        |           | 45 - 120 | 06/28/21 15:10 | 06/29/21 22:04 | 5       |
| DCB Decachlorobiphenyl | 158       | S1+       | 45 - 120 | 06/28/21 15:10 | 06/29/21 22:04 | 5       |
| Tetrachloro-m-xylene   | 60        |           | 30 - 124 | 06/28/21 15:10 | 06/29/21 22:04 | 5       |
| Tetrachloro-m-xylene   | 50        |           | 30 - 124 | 06/28/21 15:10 | 06/29/21 22:04 | 5       |

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

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| PCB-1016 | ND     |           | 0.39 | 0.076 | mg/Kg | ☼ | 06/30/21 15:12 | 07/01/21 17:53 | 1       |
| PCB-1221 | ND     |           | 0.39 | 0.076 | mg/Kg | ☼ | 06/30/21 15:12 | 07/01/21 17:53 | 1       |
| PCB-1232 | ND     |           | 0.39 | 0.076 | mg/Kg | ☼ | 06/30/21 15:12 | 07/01/21 17:53 | 1       |
| PCB-1242 | ND     |           | 0.39 | 0.076 | mg/Kg | ☼ | 06/30/21 15:12 | 07/01/21 17:53 | 1       |
| PCB-1248 | ND     |           | 0.39 | 0.076 | mg/Kg | ☼ | 06/30/21 15:12 | 07/01/21 17:53 | 1       |
| PCB-1254 | ND     |           | 0.39 | 0.18  | mg/Kg | ☼ | 06/30/21 15:12 | 07/01/21 17:53 | 1       |
| PCB-1260 | ND     | UJ        | 0.39 | 0.18  | mg/Kg | ☼ | 06/30/21 15:12 | 07/01/21 17:53 | 1       |
| PCB-1262 | ND     |           | 0.39 | 0.18  | mg/Kg | ☼ | 06/30/21 15:12 | 07/01/21 17:53 | 1       |
| PCB-1268 | ND     |           | 0.39 | 0.18  | mg/Kg | ☼ | 06/30/21 15:12 | 07/01/21 17:53 | 1       |

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| Tetrachloro-m-xylene   | 121       |           | 60 - 154 | 06/30/21 15:12 | 07/01/21 17:53 | 1       |
| Tetrachloro-m-xylene   | 129       |           | 60 - 154 | 06/30/21 15:12 | 07/01/21 17:53 | 1       |
| DCB Decachlorobiphenyl | 124       |           | 65 - 174 | 06/30/21 15:12 | 07/01/21 17:53 | 1       |
| DCB Decachlorobiphenyl | 114       |           | 65 - 174 | 06/30/21 15:12 | 07/01/21 17:53 | 1       |

## Method: 6010C - Metals (ICP)

| Analyte   | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| Aluminum  | 16700  |           | 16.6 | 7.3   | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:59 | 1       |
| Antimony  | ND     |           | 24.8 | 0.66  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:59 | 1       |
| Arsenic   | 5.0    |           | 3.3  | 0.66  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:59 | 1       |
| Barium    | 104    | ^6+       | 0.83 | 0.18  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:59 | 1       |
| Beryllium | 0.81   |           | 0.33 | 0.046 | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:59 | 1       |
| Cadmium   | 1.6    |           | 0.33 | 0.050 | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:59 | 1       |
| Calcium   | 20400  | B         | 82.8 | 5.5   | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:59 | 1       |
| Chromium  | 26.9   |           | 0.83 | 0.33  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:59 | 1       |
| Cobalt    | 8.3    |           | 0.83 | 0.083 | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:59 | 1       |
| Copper    | 66.1   |           | 1.7  | 0.35  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:59 | 1       |
| Iron      | 21100  | B ^+      | 16.6 | 5.8   | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:59 | 1       |
| Lead      | 77.2   |           | 1.7  | 0.40  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:59 | 1       |
| Magnesium | 9460   | B         | 33.1 | 1.5   | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:59 | 1       |
| Manganese | 284    | B         | 0.33 | 0.053 | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:59 | 1       |
| Nickel    | 29.5   |           | 8.3  | 0.38  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:59 | 1       |
| Potassium | 3080   |           | 49.7 | 33.1  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:59 | 1       |
| Selenium  | 1.8    | J         | 6.6  | 0.66  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:59 | 1       |
| Silver    | 1.6    |           | 0.99 | 0.33  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:59 | 1       |
| Sodium    | 176    | J         | 232  | 21.5  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:59 | 1       |
| Thallium  | ND     |           | 9.9  | 0.50  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:59 | 1       |
| Vanadium  | 31.9   |           | 0.83 | 0.18  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:59 | 1       |
| Zinc      | 208    |           | 3.3  | 1.1   | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 15:59 | 1       |

## Method: 7471B - Mercury (CVAA)

| Analyte | Result | Qualifier | RL    | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------|--------|-----------|-------|-------|-------|---|----------------|----------------|---------|
| Mercury | 0.33   |           | 0.091 | 0.021 | mg/Kg | ☼ | 07/01/21 13:35 | 07/01/21 15:41 | 1       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

Client Sample ID: SS-25-0212

Lab Sample ID: 480-186319-40

Date Collected: 06/21/21 13:20

Matrix: Solid

Date Received: 06/21/21 16:14

Percent Solids: 76.4

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

| Analyte                       | Result | Qualifier  | RL   | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|--------|------------|------|------|-------|---|----------------|----------------|---------|
| 2,4,5-Trichlorophenol         | ND     |            | 220  | 59   | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 01:39 | 1       |
| 2,4,6-Trichlorophenol         | ND     |            | 220  | 44   | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 01:39 | 1       |
| 2,4-Dichlorophenol            | ND     |            | 220  | 23   | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 01:39 | 1       |
| 2,4-Dimethylphenol            | ND     |            | 220  | 53   | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 01:39 | 1       |
| 2,4-Dinitrophenol             | ND     |            | 2100 | 1000 | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 01:39 | 1       |
| 2,4-Dinitrotoluene            | ND     |            | 220  | 45   | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 01:39 | 1       |
| 2,6-Dinitrotoluene            | ND     |            | 220  | 26   | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 01:39 | 1       |
| 2-Chloronaphthalene           | ND     |            | 220  | 36   | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 01:39 | 1       |
| 2-Chlorophenol                | ND     |            | 430  | 40   | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 01:39 | 1       |
| 2-Methylnaphthalene           | ND     |            | 220  | 44   | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 01:39 | 1       |
| 2-Methylphenol                | ND     |            | 220  | 26   | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 01:39 | 1       |
| 2-Nitroaniline                | ND     |            | 430  | 32   | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 01:39 | 1       |
| 2-Nitrophenol                 | ND     |            | 220  | 62   | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 01:39 | 1       |
| 3,3'-Dichlorobenzidine        | ND     |            | 430  | 260  | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 01:39 | 1       |
| 3-Nitroaniline                | ND     |            | 430  | 61   | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 01:39 | 1       |
| 4,6-Dinitro-2-methylphenol    | ND     |            | 430  | 220  | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 01:39 | 1       |
| 4-Bromophenyl phenyl ether    | ND     |            | 220  | 31   | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 01:39 | 1       |
| 4-Chloro-3-methylphenol       | ND     |            | 220  | 54   | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 01:39 | 1       |
| 4-Chloroaniline               | ND     |            | 220  | 54   | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 01:39 | 1       |
| 4-Chlorophenyl phenyl ether   | ND     |            | 220  | 27   | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 01:39 | 1       |
| 4-Methylphenol                | ND     |            | 430  | 26   | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 01:39 | 1       |
| 4-Nitroaniline                | ND     |            | 430  | 110  | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 01:39 | 1       |
| 4-Nitrophenol                 | ND     |            | 430  | 150  | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 01:39 | 1       |
| Acenaphthene                  | ND     |            | 220  | 32   | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 01:39 | 1       |
| Acenaphthylene                | 70     | J          | 220  | 28   | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 01:39 | 1       |
| Acetophenone                  | ND     |            | 220  | 30   | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 01:39 | 1       |
| Anthracene                    | 110    | J          | 220  | 54   | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 01:39 | 1       |
| Atrazine                      | ND     |            | 220  | 76   | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 01:39 | 1       |
| Benzaldehyde                  | ND     |            | 220  | 170  | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 01:39 | 1       |
| Benzo(a)anthracene            | 480    |            | 220  | 22   | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 01:39 | 1       |
| Benzo(a)pyrene                | 380    |            | 220  | 32   | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 01:39 | 1       |
| Benzo(b)fluoranthene          | 510    |            | 220  | 35   | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 01:39 | 1       |
| Benzo(g,h,i)perylene          | 160    | J          | 220  | 23   | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 01:39 | 1       |
| Benzo(k)fluoranthene          | 210    | J          | 220  | 28   | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 01:39 | 1       |
| Benzoic acid                  | ND     |            | 6200 | 1900 | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 01:39 | 1       |
| Biphenyl                      | ND     |            | 220  | 32   | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 01:39 | 1       |
| bis (2-chloroisopropyl) ether | ND     |            | 220  | 44   | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 01:39 | 1       |
| Bis(2-chloroethoxy)methane    | ND     |            | 220  | 46   | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 01:39 | 1       |
| Bis(2-chloroethyl)ether       | ND     |            | 220  | 28   | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 01:39 | 1       |
| Bis(2-ethylhexyl) phthalate   | ND     |            | 220  | 75   | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 01:39 | 1       |
| Butyl benzyl phthalate        | ND     |            | 220  | 36   | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 01:39 | 1       |
| Caprolactam                   | ND     |            | 220  | 66   | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 01:39 | 1       |
| Carbazole                     | 45     | J          | 220  | 26   | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 01:39 | 1       |
| Chrysene                      | 460    |            | 220  | 49   | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 01:39 | 1       |
| Dibenz(a,h)anthracene         | 83     | J          | 220  | 39   | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 01:39 | 1       |
| Dibenzofuran                  | ND     |            | 220  | 26   | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 01:39 | 1       |
| Diethyl phthalate             | ND     |            | 220  | 28   | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 01:39 | 1       |
| Dimethyl phthalate            | ND     |            | 220  | 26   | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 01:39 | 1       |
| Di-n-butyl phthalate          | 220    | -46 J B- U | 220  | 37   | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 01:39 | 1       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

Client Sample ID: SS-25-0212

Lab Sample ID: 480-186319-40

Date Collected: 06/21/21 13:20

Matrix: Solid

Date Received: 06/21/21 16:14

Percent Solids: 76.4

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

| Analyte                   | Result | Qualifier | RL  | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------------|--------|-----------|-----|-----|-------|---|----------------|----------------|---------|
| Di-n-octyl phthalate      | ND     |           | 220 | 26  | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 01:39 | 1       |
| Fluoranthene              | 980    |           | 220 | 23  | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 01:39 | 1       |
| Fluorene                  | 56     | J         | 220 | 26  | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 01:39 | 1       |
| Hexachlorobenzene         | ND     |           | 220 | 30  | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 01:39 | 1       |
| Hexachlorobutadiene       | ND     |           | 220 | 32  | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 01:39 | 1       |
| Hexachlorocyclopentadiene | ND     |           | 220 | 30  | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 01:39 | 1       |
| Hexachloroethane          | ND     |           | 220 | 28  | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 01:39 | 1       |
| Indeno(1,2,3-cd)pyrene    | 180    | J         | 220 | 27  | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 01:39 | 1       |
| Isophorone                | ND     |           | 220 | 46  | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 01:39 | 1       |
| Naphthalene               | ND     |           | 220 | 28  | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 01:39 | 1       |
| Nitrobenzene              | ND     |           | 220 | 25  | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 01:39 | 1       |
| N-Nitrosodi-n-propylamine | ND     |           | 220 | 37  | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 01:39 | 1       |
| N-Nitrosodiphenylamine    | ND     |           | 220 | 180 | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 01:39 | 1       |
| Pentachlorophenol         | ND     |           | 430 | 220 | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 01:39 | 1       |
| Phenanthrene              | 500    |           | 220 | 32  | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 01:39 | 1       |
| Phenol                    | ND     |           | 220 | 34  | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 01:39 | 1       |
| Pyrene                    | 720    |           | 220 | 26  | ug/Kg | ☼ | 06/29/21 15:10 | 07/02/21 01:39 | 1       |

| Surrogate            | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 2,4,6-Tribromophenol | 86        |           | 54 - 120 | 06/29/21 15:10 | 07/02/21 01:39 | 1       |
| 2-Fluorobiphenyl     | 73        |           | 60 - 120 | 06/29/21 15:10 | 07/02/21 01:39 | 1       |
| 2-Fluorophenol       | 65        |           | 52 - 120 | 06/29/21 15:10 | 07/02/21 01:39 | 1       |
| Nitrobenzene-d5      | 68        |           | 53 - 120 | 06/29/21 15:10 | 07/02/21 01:39 | 1       |
| p-Terphenyl-d14      | 85        |           | 79 - 130 | 06/29/21 15:10 | 07/02/21 01:39 | 1       |
| Phenol-d5            | 71        |           | 54 - 120 | 06/29/21 15:10 | 07/02/21 01:39 | 1       |

## Method: 8081B - Organochlorine Pesticides (GC)

| Analyte             | Result | Qualifier | RL  | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|--------|-----------|-----|-----|-------|---|----------------|----------------|---------|
| 4,4'-DDD            | ND     |           | 11  | 2.1 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 22:23 | 5       |
| 4,4'-DDE            | ND     |           | 11  | 2.2 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 22:23 | 5       |
| 4,4'-DDT            | 11     | 9.2 J U   | 11  | 2.5 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 22:23 | 5       |
| Aldrin              | ND     |           | 11  | 2.6 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 22:23 | 5       |
| alpha-BHC           | ND     |           | 11  | 1.9 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 22:23 | 5       |
| beta-BHC            | ND     |           | 11  | 1.9 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 22:23 | 5       |
| cis-Chlordane       | ND     |           | 11  | 5.3 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 22:23 | 5       |
| delta-BHC           | ND     |           | 11  | 2.0 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 22:23 | 5       |
| Dieldrin            | ND     |           | 11  | 2.6 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 22:23 | 5       |
| Endosulfan I        | ND     |           | 11  | 2.1 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 22:23 | 5       |
| Endosulfan II       | ND     |           | 11  | 1.9 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 22:23 | 5       |
| Endosulfan sulfate  | ND     |           | 11  | 2.0 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 22:23 | 5       |
| Endrin              | ND     |           | 11  | 2.1 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 22:23 | 5       |
| Endrin aldehyde     | ND     |           | 11  | 2.7 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 22:23 | 5       |
| Endrin ketone       | ND     |           | 11  | 2.6 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 22:23 | 5       |
| gamma-BHC (Lindane) | ND     |           | 11  | 2.0 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 22:23 | 5       |
| Heptachlor          | ND     |           | 11  | 2.3 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 22:23 | 5       |
| Heptachlor epoxide  | 3.7    | J         | 11  | 2.8 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 22:23 | 5       |
| Methoxychlor        | ND     |           | 11  | 2.2 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 22:23 | 5       |
| Mirex               | ND     |           | 11  | 2.6 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 22:23 | 5       |
| Toxaphene           | ND     |           | 110 | 62  | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 22:23 | 5       |
| trans-Chlordane     | ND     |           | 11  | 3.4 | ug/Kg | ☼ | 06/28/21 15:10 | 06/29/21 22:23 | 5       |

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ALH 9/23/21

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

**Client Sample ID: SS-25-0212**

**Lab Sample ID: 480-186319-40**

**Date Collected: 06/21/21 13:20**

**Matrix: Solid**

**Date Received: 06/21/21 16:14**

**Percent Solids: 76.4**

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| DCB Decachlorobiphenyl | 85        |           | 45 - 120 | 06/28/21 15:10 | 06/29/21 22:23 | 5       |
| DCB Decachlorobiphenyl | 137       | S1+       | 45 - 120 | 06/28/21 15:10 | 06/29/21 22:23 | 5       |
| Tetrachloro-m-xylene   | 61        |           | 30 - 124 | 06/28/21 15:10 | 06/29/21 22:23 | 5       |
| Tetrachloro-m-xylene   | 51        |           | 30 - 124 | 06/28/21 15:10 | 06/29/21 22:23 | 5       |

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

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| PCB-1016 | ND     |           | 0.26 | 0.050 | mg/Kg | ☼ | 06/30/21 15:12 | 07/01/21 18:06 | 1       |
| PCB-1221 | ND     |           | 0.26 | 0.050 | mg/Kg | ☼ | 06/30/21 15:12 | 07/01/21 18:06 | 1       |
| PCB-1232 | ND     |           | 0.26 | 0.050 | mg/Kg | ☼ | 06/30/21 15:12 | 07/01/21 18:06 | 1       |
| PCB-1242 | ND     |           | 0.26 | 0.050 | mg/Kg | ☼ | 06/30/21 15:12 | 07/01/21 18:06 | 1       |
| PCB-1248 | ND     |           | 0.26 | 0.050 | mg/Kg | ☼ | 06/30/21 15:12 | 07/01/21 18:06 | 1       |
| PCB-1254 | ND     |           | 0.26 | 0.12  | mg/Kg | ☼ | 06/30/21 15:12 | 07/01/21 18:06 | 1       |
| PCB-1260 | ND     |           | 0.26 | 0.12  | mg/Kg | ☼ | 06/30/21 15:12 | 07/01/21 18:06 | 1       |
| PCB-1262 | ND     |           | 0.26 | 0.12  | mg/Kg | ☼ | 06/30/21 15:12 | 07/01/21 18:06 | 1       |
| PCB-1268 | ND     |           | 0.26 | 0.12  | mg/Kg | ☼ | 06/30/21 15:12 | 07/01/21 18:06 | 1       |

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| Tetrachloro-m-xylene   | 111       |           | 60 - 154 | 06/30/21 15:12 | 07/01/21 18:06 | 1       |
| Tetrachloro-m-xylene   | 119       |           | 60 - 154 | 06/30/21 15:12 | 07/01/21 18:06 | 1       |
| DCB Decachlorobiphenyl | 119       |           | 65 - 174 | 06/30/21 15:12 | 07/01/21 18:06 | 1       |
| DCB Decachlorobiphenyl | 104       |           | 65 - 174 | 06/30/21 15:12 | 07/01/21 18:06 | 1       |

## Method: 6010C - Metals (ICP)

| Analyte   | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| Aluminum  | 14300  |           | 12.7 | 5.6   | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 16:02 | 1       |
| Antimony  | ND     |           | 19.0 | 0.51  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 16:02 | 1       |
| Arsenic   | 4.4    |           | 2.5  | 0.51  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 16:02 | 1       |
| Barium    | 84.5   | ^6+       | 0.63 | 0.14  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 16:02 | 1       |
| Beryllium | 0.64   |           | 0.25 | 0.036 | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 16:02 | 1       |
| Cadmium   | 1.1    |           | 0.25 | 0.038 | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 16:02 | 1       |
| Calcium   | 24200  | B         | 63.4 | 4.2   | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 16:02 | 1       |
| Chromium  | 20.3   |           | 0.63 | 0.25  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 16:02 | 1       |
| Cobalt    | 7.1    |           | 0.63 | 0.063 | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 16:02 | 1       |
| Copper    | 90.3   |           | 1.3  | 0.27  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 16:02 | 1       |
| Iron      | 18100  | B ^+      | 12.7 | 4.4   | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 16:02 | 1       |
| Lead      | 47.0   |           | 1.3  | 0.30  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 16:02 | 1       |
| Magnesium | 9960   | B         | 25.4 | 1.2   | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 16:02 | 1       |
| Manganese | 273    | B         | 0.25 | 0.041 | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 16:02 | 1       |
| Nickel    | 23.5   |           | 6.3  | 0.29  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 16:02 | 1       |
| Potassium | 2430   |           | 38.1 | 25.4  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 16:02 | 1       |
| Selenium  | 1.9    | J         | 5.1  | 0.51  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 16:02 | 1       |
| Silver    | 1.0    |           | 0.76 | 0.25  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 16:02 | 1       |
| Sodium    | 156    | J         | 178  | 16.5  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 16:02 | 1       |
| Thallium  | ND     |           | 7.6  | 0.38  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 16:02 | 1       |
| Vanadium  | 27.3   |           | 0.63 | 0.14  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 16:02 | 1       |
| Zinc      | 119    |           | 2.5  | 0.81  | mg/Kg | ☼ | 06/24/21 11:32 | 06/25/21 16:02 | 1       |

## Method: 7471B - Mercury (CVAA)

| Analyte | Result | Qualifier | RL    | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------|--------|-----------|-------|-------|-------|---|----------------|----------------|---------|
| Mercury | 0.45   |           | 0.062 | 0.014 | mg/Kg | ☼ | 07/01/21 13:35 | 07/01/21 15:42 | 1       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

**Client Sample ID: FBSS-01-210621**

**Lab Sample ID: 480-186319-41**

**Date Collected: 06/21/21 14:10**

**Matrix: Water**

**Date Received: 06/21/21 16:14**

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

| Analyte                       | Result | Qualifier | RL  | MDL  | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|--------|-----------|-----|------|------|---|----------------|----------------|---------|
| Biphenyl                      | ND     |           | 5.0 | 0.65 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:10 | 1       |
| bis (2-chloroisopropyl) ether | ND     |           | 5.0 | 0.52 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:10 | 1       |
| 2,4,5-Trichlorophenol         | ND     |           | 5.0 | 0.48 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:10 | 1       |
| 2,4,6-Trichlorophenol         | ND     |           | 5.0 | 0.61 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:10 | 1       |
| 2,4-Dichlorophenol            | ND     |           | 5.0 | 0.51 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:10 | 1       |
| 2,4-Dimethylphenol            | ND     |           | 5.0 | 0.50 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:10 | 1       |
| 2,4-Dinitrophenol             | ND     |           | 10  | 2.2  | ug/L |   | 06/24/21 14:49 | 07/02/21 09:10 | 1       |
| 2,4-Dinitrotoluene            | ND     |           | 5.0 | 0.45 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:10 | 1       |
| 2,6-Dinitrotoluene            | ND     |           | 5.0 | 0.40 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:10 | 1       |
| 2-Chloronaphthalene           | ND     |           | 5.0 | 0.46 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:10 | 1       |
| 2-Chlorophenol                | ND     |           | 5.0 | 0.53 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:10 | 1       |
| 2-Methylnaphthalene           | ND     |           | 5.0 | 0.60 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:10 | 1       |
| 2-Methylphenol                | ND     |           | 5.0 | 0.40 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:10 | 1       |
| 2-Nitroaniline                | ND     |           | 10  | 0.42 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:10 | 1       |
| 2-Nitrophenol                 | ND     |           | 5.0 | 0.48 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:10 | 1       |
| 3,3'-Dichlorobenzidine        | ND     |           | 5.0 | 0.40 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:10 | 1       |
| 3-Nitroaniline                | ND     |           | 10  | 0.48 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:10 | 1       |
| 4,6-Dinitro-2-methylphenol    | ND     |           | 10  | 2.2  | ug/L |   | 06/24/21 14:49 | 07/02/21 09:10 | 1       |
| 4-Bromophenyl phenyl ether    | ND     |           | 5.0 | 0.45 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:10 | 1       |
| 4-Chloro-3-methylphenol       | ND     |           | 5.0 | 0.45 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:10 | 1       |
| 4-Chloroaniline               | ND     |           | 5.0 | 0.59 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:10 | 1       |
| 4-Chlorophenyl phenyl ether   | ND     |           | 5.0 | 0.35 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:10 | 1       |
| 4-Methylphenol                | ND     |           | 10  | 0.36 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:10 | 1       |
| 4-Nitroaniline                | ND     |           | 10  | 0.25 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:10 | 1       |
| 4-Nitrophenol                 | ND     |           | 10  | 1.5  | ug/L |   | 06/24/21 14:49 | 07/02/21 09:10 | 1       |
| Acenaphthene                  | ND     |           | 5.0 | 0.41 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:10 | 1       |
| Acenaphthylene                | ND     |           | 5.0 | 0.38 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:10 | 1       |
| Acetophenone                  | ND     |           | 5.0 | 0.54 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:10 | 1       |
| Anthracene                    | ND     |           | 5.0 | 0.28 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:10 | 1       |
| Atrazine                      | ND     |           | 5.0 | 0.46 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:10 | 1       |
| Benzaldehyde                  | ND     |           | 5.0 | 0.27 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:10 | 1       |
| Benzo(a)anthracene            | ND     |           | 5.0 | 0.36 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:10 | 1       |
| Benzo(a)pyrene                | ND     |           | 5.0 | 0.47 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:10 | 1       |
| Benzo(b)fluoranthene          | ND     |           | 5.0 | 0.34 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:10 | 1       |
| Benzo(g,h,i)perylene          | ND     |           | 5.0 | 0.35 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:10 | 1       |
| Benzo(k)fluoranthene          | ND     |           | 5.0 | 0.73 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:10 | 1       |
| Bis(2-chloroethoxy)methane    | ND     |           | 5.0 | 0.35 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:10 | 1       |
| Bis(2-chloroethyl)ether       | ND     |           | 5.0 | 0.40 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:10 | 1       |
| Bis(2-ethylhexyl) phthalate   | ND     |           | 5.0 | 2.2  | ug/L |   | 06/24/21 14:49 | 07/02/21 09:10 | 1       |
| Butyl benzyl phthalate        | ND     |           | 5.0 | 1.0  | ug/L |   | 06/24/21 14:49 | 07/02/21 09:10 | 1       |
| Caprolactam                   | ND     |           | 5.0 | 2.2  | ug/L |   | 06/24/21 14:49 | 07/02/21 09:10 | 1       |
| Carbazole                     | ND     |           | 5.0 | 0.30 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:10 | 1       |
| Chrysene                      | ND     |           | 5.0 | 0.33 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:10 | 1       |
| Di-n-butyl phthalate          | 25 B   |           | 5.0 | 0.31 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:10 | 1       |
| Di-n-octyl phthalate          | ND     |           | 5.0 | 0.47 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:10 | 1       |
| Dibenz(a,h)anthracene         | ND     |           | 5.0 | 0.42 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:10 | 1       |
| Dibenzofuran                  | ND     |           | 10  | 0.51 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:10 | 1       |
| Diethyl phthalate             | ND     |           | 5.0 | 0.22 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:10 | 1       |
| Dimethyl phthalate            | ND     |           | 5.0 | 0.36 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:10 | 1       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

Client Sample ID: FBSS-01-210621

Lab Sample ID: 480-186319-41

Date Collected: 06/21/21 14:10

Matrix: Water

Date Received: 06/21/21 16:14

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

| Analyte                   | Result | Qualifier | RL  | MDL  | Unit | D | Prepared       | Analyzed       | Dil Fac |
|---------------------------|--------|-----------|-----|------|------|---|----------------|----------------|---------|
| Fluoranthene              | ND     |           | 5.0 | 0.40 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:10 | 1       |
| Fluorene                  | ND     |           | 5.0 | 0.36 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:10 | 1       |
| Hexachlorobenzene         | ND     |           | 5.0 | 0.51 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:10 | 1       |
| Hexachlorobutadiene       | ND     |           | 5.0 | 0.68 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:10 | 1       |
| Hexachlorocyclopentadiene | ND     |           | 5.0 | 0.59 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:10 | 1       |
| Hexachloroethane          | ND     |           | 5.0 | 0.59 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:10 | 1       |
| Indeno(1,2,3-cd)pyrene    | ND     |           | 5.0 | 0.47 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:10 | 1       |
| Isophorone                | ND     |           | 5.0 | 0.43 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:10 | 1       |
| N-Nitrosodi-n-propylamine | ND     |           | 5.0 | 0.54 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:10 | 1       |
| N-Nitrosodiphenylamine    | ND     |           | 5.0 | 0.51 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:10 | 1       |
| Naphthalene               | ND     |           | 5.0 | 0.76 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:10 | 1       |
| Nitrobenzene              | ND     |           | 5.0 | 0.29 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:10 | 1       |
| Pentachlorophenol         | ND     |           | 10  | 2.2  | ug/L |   | 06/24/21 14:49 | 07/02/21 09:10 | 1       |
| Phenanthrene              | ND     |           | 5.0 | 0.44 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:10 | 1       |
| Phenol                    | ND     |           | 5.0 | 0.39 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:10 | 1       |
| Pyrene                    | ND     |           | 5.0 | 0.34 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:10 | 1       |
| Benzoic acid              | ND     |           | 150 | 100  | ug/L |   | 06/24/21 14:49 | 07/02/21 09:10 | 1       |

| Surrogate            | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 2,4,6-Tribromophenol | 104       |           | 41 - 120 | 06/24/21 14:49 | 07/02/21 09:10 | 1       |
| 2-Fluorobiphenyl     | 100       |           | 48 - 120 | 06/24/21 14:49 | 07/02/21 09:10 | 1       |
| 2-Fluorophenol       | 64        |           | 35 - 120 | 06/24/21 14:49 | 07/02/21 09:10 | 1       |
| Nitrobenzene-d5      | 95        |           | 46 - 120 | 06/24/21 14:49 | 07/02/21 09:10 | 1       |
| p-Terphenyl-d14      | 104       |           | 60 - 148 | 06/24/21 14:49 | 07/02/21 09:10 | 1       |
| Phenol-d5            | 47        |           | 22 - 120 | 06/24/21 14:49 | 07/02/21 09:10 | 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 |   | 06/24/21 06:56 | 06/24/21 16:38 | 1       |
| 4,4'-DDE            | ND     |           | 0.050 | 0.012  | ug/L |   | 06/24/21 06:56 | 06/24/21 16:38 | 1       |
| 4,4'-DDT            | 0.028  | --J- J    | 0.050 | 0.011  | ug/L |   | 06/24/21 06:56 | 06/24/21 16:38 | 1       |
| Aldrin              | ND     |           | 0.050 | 0.0081 | ug/L |   | 06/24/21 06:56 | 06/24/21 16:38 | 1       |
| alpha-BHC           | ND     |           | 0.050 | 0.0077 | ug/L |   | 06/24/21 06:56 | 06/24/21 16:38 | 1       |
| cis-Chlordane       | ND     |           | 0.050 | 0.015  | ug/L |   | 06/24/21 06:56 | 06/24/21 16:38 | 1       |
| beta-BHC            | ND     |           | 0.050 | 0.025  | ug/L |   | 06/24/21 06:56 | 06/24/21 16:38 | 1       |
| delta-BHC           | ND     |           | 0.050 | 0.010  | ug/L |   | 06/24/21 06:56 | 06/24/21 16:38 | 1       |
| Dieldrin            | ND     |           | 0.050 | 0.0098 | ug/L |   | 06/24/21 06:56 | 06/24/21 16:38 | 1       |
| Endosulfan I        | ND     |           | 0.050 | 0.011  | ug/L |   | 06/24/21 06:56 | 06/24/21 16:38 | 1       |
| Endosulfan II       | ND     |           | 0.050 | 0.012  | ug/L |   | 06/24/21 06:56 | 06/24/21 16:38 | 1       |
| Endosulfan sulfate  | ND     |           | 0.050 | 0.016  | ug/L |   | 06/24/21 06:56 | 06/24/21 16:38 | 1       |
| Endrin              | ND     |           | 0.050 | 0.014  | ug/L |   | 06/24/21 06:56 | 06/24/21 16:38 | 1       |
| Endrin aldehyde     | ND     |           | 0.050 | 0.016  | ug/L |   | 06/24/21 06:56 | 06/24/21 16:38 | 1       |
| Endrin ketone       | ND     |           | 0.050 | 0.012  | ug/L |   | 06/24/21 06:56 | 06/24/21 16:38 | 1       |
| gamma-BHC (Lindane) | 0.013  | J B       | 0.050 | 0.0080 | ug/L |   | 06/24/21 06:56 | 06/24/21 16:38 | 1       |
| trans-Chlordane     | ND     |           | 0.050 | 0.011  | ug/L |   | 06/24/21 06:56 | 06/24/21 16:38 | 1       |
| Heptachlor          | ND     |           | 0.050 | 0.0085 | ug/L |   | 06/24/21 06:56 | 06/24/21 16:38 | 1       |
| Heptachlor epoxide  | ND     |           | 0.050 | 0.0074 | ug/L |   | 06/24/21 06:56 | 06/24/21 16:38 | 1       |
| Methoxychlor        | ND     |           | 0.050 | 0.014  | ug/L |   | 06/24/21 06:56 | 06/24/21 16:38 | 1       |
| Toxaphene           | ND     |           | 0.50  | 0.12   | ug/L |   | 06/24/21 06:56 | 06/24/21 16:38 | 1       |
| Mirex               | ND     |           | 0.050 | 0.0096 | ug/L |   | 06/24/21 06:56 | 06/24/21 16:38 | 1       |

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ALH 9/23/21

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

Client Sample ID: FBSS-01-210621

Lab Sample ID: 480-186319-41

Date Collected: 06/21/21 14:10

Matrix: Water

Date Received: 06/21/21 16:14

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| DCB Decachlorobiphenyl | 28        |           | 20 - 120 | 06/24/21 06:56 | 06/24/21 16:38 | 1       |
| DCB Decachlorobiphenyl | 34        |           | 20 - 120 | 06/24/21 06:56 | 06/24/21 16:38 | 1       |
| Tetrachloro-m-xylene   | 87        |           | 44 - 120 | 06/24/21 06:56 | 06/24/21 16:38 | 1       |
| Tetrachloro-m-xylene   | 59        |           | 44 - 120 | 06/24/21 06:56 | 06/24/21 16:38 | 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 |   | 07/03/21 08:36 | 07/05/21 22:11 | 1       |
| PCB-1221 | ND     |           | 0.52 | 0.18 | ug/L |   | 07/03/21 08:36 | 07/05/21 22:11 | 1       |
| PCB-1232 | ND     |           | 0.52 | 0.18 | ug/L |   | 07/03/21 08:36 | 07/05/21 22:11 | 1       |
| PCB-1242 | ND     |           | 0.52 | 0.18 | ug/L |   | 07/03/21 08:36 | 07/05/21 22:11 | 1       |
| PCB-1248 | ND     |           | 0.52 | 0.18 | ug/L |   | 07/03/21 08:36 | 07/05/21 22:11 | 1       |
| PCB-1254 | ND     |           | 0.52 | 0.26 | ug/L |   | 07/03/21 08:36 | 07/05/21 22:11 | 1       |
| PCB-1260 | ND     | UJ        | 0.52 | 0.26 | ug/L |   | 07/03/21 08:36 | 07/05/21 22:11 | 1       |
| PCB-1262 | ND     |           | 0.52 | 0.26 | ug/L |   | 07/03/21 08:36 | 07/05/21 22:11 | 1       |
| PCB-1268 | ND     |           | 0.52 | 0.26 | ug/L |   | 07/03/21 08:36 | 07/05/21 22:11 | 1       |

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| Tetrachloro-m-xylene   | 120       |           | 39 - 121 | 07/03/21 08:36 | 07/05/21 22:11 | 1       |
| Tetrachloro-m-xylene   | 117       |           | 39 - 121 | 07/03/21 08:36 | 07/05/21 22:11 | 1       |
| DCB Decachlorobiphenyl | 65        |           | 19 - 120 | 07/03/21 08:36 | 07/05/21 22:11 | 1       |
| DCB Decachlorobiphenyl | 67        |           | 19 - 120 | 07/03/21 08:36 | 07/05/21 22:11 | 1       |

## Method: 6010C - Metals (ICP) - Total Recoverable

| Analyte   | Result | Qualifier | RL     | MDL     | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-----------|--------|-----------|--------|---------|------|---|----------------|----------------|---------|
| Aluminum  | ND     |           | 0.20   | 0.060   | mg/L |   | 06/23/21 08:43 | 06/23/21 23:38 | 1       |
| Antimony  | ND     |           | 0.020  | 0.0068  | mg/L |   | 06/23/21 08:43 | 06/23/21 23:38 | 1       |
| Arsenic   | ND     |           | 0.015  | 0.0056  | mg/L |   | 06/23/21 08:43 | 06/23/21 23:38 | 1       |
| Barium    | ND     |           | 0.0020 | 0.00070 | mg/L |   | 06/23/21 08:43 | 06/23/21 23:38 | 1       |
| Beryllium | ND     |           | 0.0020 | 0.00030 | mg/L |   | 06/23/21 08:43 | 06/23/21 23:38 | 1       |
| Cadmium   | ND     |           | 0.0020 | 0.00050 | mg/L |   | 06/23/21 08:43 | 06/23/21 23:38 | 1       |
| Calcium   | ND     |           | 0.50   | 0.10    | mg/L |   | 06/23/21 08:43 | 06/23/21 23:38 | 1       |
| Chromium  | ND     |           | 0.0040 | 0.0010  | mg/L |   | 06/23/21 08:43 | 06/23/21 23:38 | 1       |
| Cobalt    | ND     |           | 0.0040 | 0.00063 | mg/L |   | 06/23/21 08:43 | 06/23/21 23:38 | 1       |
| Copper    | ND     |           | 0.010  | 0.0016  | mg/L |   | 06/23/21 08:43 | 06/23/21 23:38 | 1       |
| Iron      | ND     |           | 0.050  | 0.019   | mg/L |   | 06/23/21 08:43 | 06/23/21 23:38 | 1       |
| Lead      | ND     |           | 0.010  | 0.0030  | mg/L |   | 06/23/21 08:43 | 06/23/21 23:38 | 1       |
| Magnesium | ND     |           | 0.20   | 0.043   | mg/L |   | 06/23/21 08:43 | 06/23/21 23:38 | 1       |
| Manganese | ND     |           | 0.0030 | 0.00040 | mg/L |   | 06/23/21 08:43 | 06/23/21 23:38 | 1       |
| Nickel    | ND     |           | 0.010  | 0.0013  | mg/L |   | 06/23/21 08:43 | 06/23/21 23:38 | 1       |
| Potassium | ND     |           | 0.50   | 0.10    | mg/L |   | 06/23/21 08:43 | 06/23/21 23:38 | 1       |
| Selenium  | ND     |           | 0.025  | 0.0087  | mg/L |   | 06/23/21 08:43 | 06/23/21 23:38 | 1       |
| Silver    | ND     |           | 0.0060 | 0.0017  | mg/L |   | 06/23/21 08:43 | 06/23/21 23:38 | 1       |
| Sodium    | ND     |           | 1.0    | 0.32    | mg/L |   | 06/23/21 08:43 | 06/23/21 23:38 | 1       |
| Thallium  | ND     |           | 0.020  | 0.010   | mg/L |   | 06/23/21 08:43 | 06/23/21 23:38 | 1       |
| Vanadium  | ND     |           | 0.0050 | 0.0015  | mg/L |   | 06/23/21 08:43 | 06/23/21 23:38 | 1       |
| Zinc      | ND     |           | 0.010  | 0.0015  | mg/L |   | 06/23/21 08:43 | 06/23/21 23:38 | 1       |

## Method: 7470A - Mercury (CVAA)

| Analyte | Result | Qualifier | RL      | MDL      | Unit | D | Prepared       | Analyzed       | Dil Fac |
|---------|--------|-----------|---------|----------|------|---|----------------|----------------|---------|
| Mercury | ND     |           | 0.00020 | 0.000043 | mg/L |   | 06/25/21 14:02 | 06/25/21 17:56 | 1       |

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ALH 9/23/21

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

**Client Sample ID: FBSS-02-210621**

**Lab Sample ID: 480-186319-42**

**Date Collected: 06/21/21 14:20**

**Matrix: Water**

**Date Received: 06/21/21 16:14**

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

| Analyte                       | Result | Qualifier | RL  | MDL  | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|--------|-----------|-----|------|------|---|----------------|----------------|---------|
| Biphenyl                      | ND     |           | 5.0 | 0.65 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:37 | 1       |
| bis (2-chloroisopropyl) ether | ND     |           | 5.0 | 0.52 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:37 | 1       |
| 2,4,5-Trichlorophenol         | ND     |           | 5.0 | 0.48 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:37 | 1       |
| 2,4,6-Trichlorophenol         | ND     |           | 5.0 | 0.61 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:37 | 1       |
| 2,4-Dichlorophenol            | ND     |           | 5.0 | 0.51 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:37 | 1       |
| 2,4-Dimethylphenol            | ND     |           | 5.0 | 0.50 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:37 | 1       |
| 2,4-Dinitrophenol             | ND     |           | 10  | 2.2  | ug/L |   | 06/24/21 14:49 | 07/02/21 09:37 | 1       |
| 2,4-Dinitrotoluene            | ND     |           | 5.0 | 0.45 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:37 | 1       |
| 2,6-Dinitrotoluene            | ND     |           | 5.0 | 0.40 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:37 | 1       |
| 2-Chloronaphthalene           | ND     |           | 5.0 | 0.46 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:37 | 1       |
| 2-Chlorophenol                | ND     |           | 5.0 | 0.53 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:37 | 1       |
| 2-Methylnaphthalene           | ND     |           | 5.0 | 0.60 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:37 | 1       |
| 2-Methylphenol                | ND     |           | 5.0 | 0.40 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:37 | 1       |
| 2-Nitroaniline                | ND     |           | 10  | 0.42 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:37 | 1       |
| 2-Nitrophenol                 | ND     |           | 5.0 | 0.48 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:37 | 1       |
| 3,3'-Dichlorobenzidine        | ND     |           | 5.0 | 0.40 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:37 | 1       |
| 3-Nitroaniline                | ND     |           | 10  | 0.48 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:37 | 1       |
| 4,6-Dinitro-2-methylphenol    | ND     |           | 10  | 2.2  | ug/L |   | 06/24/21 14:49 | 07/02/21 09:37 | 1       |
| 4-Bromophenyl phenyl ether    | ND     |           | 5.0 | 0.45 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:37 | 1       |
| 4-Chloro-3-methylphenol       | ND     |           | 5.0 | 0.45 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:37 | 1       |
| 4-Chloroaniline               | ND     |           | 5.0 | 0.59 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:37 | 1       |
| 4-Chlorophenyl phenyl ether   | ND     |           | 5.0 | 0.35 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:37 | 1       |
| 4-Methylphenol                | ND     |           | 10  | 0.36 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:37 | 1       |
| 4-Nitroaniline                | ND     |           | 10  | 0.25 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:37 | 1       |
| 4-Nitrophenol                 | ND     |           | 10  | 1.5  | ug/L |   | 06/24/21 14:49 | 07/02/21 09:37 | 1       |
| Acenaphthene                  | ND     |           | 5.0 | 0.41 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:37 | 1       |
| Acenaphthylene                | ND     |           | 5.0 | 0.38 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:37 | 1       |
| Acetophenone                  | ND     |           | 5.0 | 0.54 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:37 | 1       |
| Anthracene                    | ND     |           | 5.0 | 0.28 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:37 | 1       |
| Atrazine                      | ND     |           | 5.0 | 0.46 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:37 | 1       |
| Benzaldehyde                  | ND     |           | 5.0 | 0.27 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:37 | 1       |
| Benzo(a)anthracene            | ND     |           | 5.0 | 0.36 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:37 | 1       |
| Benzo(a)pyrene                | ND     |           | 5.0 | 0.47 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:37 | 1       |
| Benzo(b)fluoranthene          | ND     |           | 5.0 | 0.34 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:37 | 1       |
| Benzo(g,h,i)perylene          | ND     |           | 5.0 | 0.35 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:37 | 1       |
| Benzo(k)fluoranthene          | ND     |           | 5.0 | 0.73 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:37 | 1       |
| Bis(2-chloroethoxy)methane    | ND     |           | 5.0 | 0.35 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:37 | 1       |
| Bis(2-chloroethyl)ether       | ND     |           | 5.0 | 0.40 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:37 | 1       |
| Bis(2-ethylhexyl) phthalate   | ND     |           | 5.0 | 2.2  | ug/L |   | 06/24/21 14:49 | 07/02/21 09:37 | 1       |
| Butyl benzyl phthalate        | ND     |           | 5.0 | 1.0  | ug/L |   | 06/24/21 14:49 | 07/02/21 09:37 | 1       |
| Caprolactam                   | ND     |           | 5.0 | 2.2  | ug/L |   | 06/24/21 14:49 | 07/02/21 09:37 | 1       |
| Carbazole                     | ND     |           | 5.0 | 0.30 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:37 | 1       |
| Chrysene                      | ND     |           | 5.0 | 0.33 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:37 | 1       |
| Di-n-butyl phthalate          | 3.1    | J B       | 5.0 | 0.31 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:37 | 1       |
| Di-n-octyl phthalate          | ND     |           | 5.0 | 0.47 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:37 | 1       |
| Dibenz(a,h)anthracene         | ND     |           | 5.0 | 0.42 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:37 | 1       |
| Dibenzofuran                  | ND     |           | 10  | 0.51 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:37 | 1       |
| Diethyl phthalate             | ND     |           | 5.0 | 0.22 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:37 | 1       |
| Dimethyl phthalate            | ND     |           | 5.0 | 0.36 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:37 | 1       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

**Client Sample ID: FBSS-02-210621**

**Lab Sample ID: 480-186319-42**

**Date Collected: 06/21/21 14:20**

**Matrix: Water**

**Date Received: 06/21/21 16:14**

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

| Analyte                   | Result | Qualifier | RL  | MDL  | Unit | D | Prepared       | Analyzed       | Dil Fac |
|---------------------------|--------|-----------|-----|------|------|---|----------------|----------------|---------|
| Fluoranthene              | ND     |           | 5.0 | 0.40 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:37 | 1       |
| Fluorene                  | ND     |           | 5.0 | 0.36 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:37 | 1       |
| Hexachlorobenzene         | ND     |           | 5.0 | 0.51 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:37 | 1       |
| Hexachlorobutadiene       | ND     |           | 5.0 | 0.68 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:37 | 1       |
| Hexachlorocyclopentadiene | ND     |           | 5.0 | 0.59 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:37 | 1       |
| Hexachloroethane          | ND     |           | 5.0 | 0.59 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:37 | 1       |
| Indeno(1,2,3-cd)pyrene    | ND     |           | 5.0 | 0.47 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:37 | 1       |
| Isophorone                | ND     |           | 5.0 | 0.43 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:37 | 1       |
| N-Nitrosodi-n-propylamine | ND     |           | 5.0 | 0.54 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:37 | 1       |
| N-Nitrosodiphenylamine    | ND     |           | 5.0 | 0.51 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:37 | 1       |
| Naphthalene               | ND     |           | 5.0 | 0.76 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:37 | 1       |
| Nitrobenzene              | ND     |           | 5.0 | 0.29 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:37 | 1       |
| Pentachlorophenol         | ND     |           | 10  | 2.2  | ug/L |   | 06/24/21 14:49 | 07/02/21 09:37 | 1       |
| Phenanthrene              | ND     |           | 5.0 | 0.44 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:37 | 1       |
| Phenol                    | ND     |           | 5.0 | 0.39 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:37 | 1       |
| Pyrene                    | ND     |           | 5.0 | 0.34 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:37 | 1       |
| Benzoic acid              | ND     |           | 150 | 100  | ug/L |   | 06/24/21 14:49 | 07/02/21 09:37 | 1       |

| Surrogate            | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 2,4,6-Tribromophenol | 98        |           | 41 - 120 | 06/24/21 14:49 | 07/02/21 09:37 | 1       |
| 2-Fluorobiphenyl     | 96        |           | 48 - 120 | 06/24/21 14:49 | 07/02/21 09:37 | 1       |
| 2-Fluorophenol       | 60        |           | 35 - 120 | 06/24/21 14:49 | 07/02/21 09:37 | 1       |
| Nitrobenzene-d5      | 91        |           | 46 - 120 | 06/24/21 14:49 | 07/02/21 09:37 | 1       |
| p-Terphenyl-d14      | 101       |           | 60 - 148 | 06/24/21 14:49 | 07/02/21 09:37 | 1       |
| Phenol-d5            | 45        |           | 22 - 120 | 06/24/21 14:49 | 07/02/21 09:37 | 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 |   | 06/24/21 06:56 | 06/24/21 16:57 | 1       |
| 4,4'-DDE            | ND     |           | 0.050 | 0.012  | ug/L |   | 06/24/21 06:56 | 06/24/21 16:57 | 1       |
| 4,4'-DDT            | ND     |           | 0.050 | 0.011  | ug/L |   | 06/24/21 06:56 | 06/24/21 16:57 | 1       |
| Aldrin              | ND     |           | 0.050 | 0.0081 | ug/L |   | 06/24/21 06:56 | 06/24/21 16:57 | 1       |
| alpha-BHC           | ND     |           | 0.050 | 0.0077 | ug/L |   | 06/24/21 06:56 | 06/24/21 16:57 | 1       |
| cis-Chlordane       | ND     |           | 0.050 | 0.015  | ug/L |   | 06/24/21 06:56 | 06/24/21 16:57 | 1       |
| beta-BHC            | ND     |           | 0.050 | 0.025  | ug/L |   | 06/24/21 06:56 | 06/24/21 16:57 | 1       |
| delta-BHC           | ND     |           | 0.050 | 0.010  | ug/L |   | 06/24/21 06:56 | 06/24/21 16:57 | 1       |
| Dieldrin            | ND     |           | 0.050 | 0.0098 | ug/L |   | 06/24/21 06:56 | 06/24/21 16:57 | 1       |
| Endosulfan I        | ND     |           | 0.050 | 0.011  | ug/L |   | 06/24/21 06:56 | 06/24/21 16:57 | 1       |
| Endosulfan II       | ND     |           | 0.050 | 0.012  | ug/L |   | 06/24/21 06:56 | 06/24/21 16:57 | 1       |
| Endosulfan sulfate  | ND     |           | 0.050 | 0.016  | ug/L |   | 06/24/21 06:56 | 06/24/21 16:57 | 1       |
| Endrin              | ND     |           | 0.050 | 0.014  | ug/L |   | 06/24/21 06:56 | 06/24/21 16:57 | 1       |
| Endrin aldehyde     | ND     |           | 0.050 | 0.016  | ug/L |   | 06/24/21 06:56 | 06/24/21 16:57 | 1       |
| Endrin ketone       | ND     |           | 0.050 | 0.012  | ug/L |   | 06/24/21 06:56 | 06/24/21 16:57 | 1       |
| gamma-BHC (Lindane) | 0.013  | J B       | 0.050 | 0.0080 | ug/L |   | 06/24/21 06:56 | 06/24/21 16:57 | 1       |
| trans-Chlordane     | ND     |           | 0.050 | 0.011  | ug/L |   | 06/24/21 06:56 | 06/24/21 16:57 | 1       |
| Heptachlor          | ND     |           | 0.050 | 0.0085 | ug/L |   | 06/24/21 06:56 | 06/24/21 16:57 | 1       |
| Heptachlor epoxide  | ND     |           | 0.050 | 0.0074 | ug/L |   | 06/24/21 06:56 | 06/24/21 16:57 | 1       |
| Methoxychlor        | ND     |           | 0.050 | 0.014  | ug/L |   | 06/24/21 06:56 | 06/24/21 16:57 | 1       |
| Toxaphene           | ND     |           | 0.50  | 0.12   | ug/L |   | 06/24/21 06:56 | 06/24/21 16:57 | 1       |
| Mirex               | ND     |           | 0.050 | 0.0096 | ug/L |   | 06/24/21 06:56 | 06/24/21 16:57 | 1       |

Eurofins TestAmerica, Buffalo

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

Client Sample ID: FBSS-02-210621

Lab Sample ID: 480-186319-42

Date Collected: 06/21/21 14:20

Matrix: Water

Date Received: 06/21/21 16:14

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| DCB Decachlorobiphenyl | 37        |           | 20 - 120 | 06/24/21 06:56 | 06/24/21 16:57 | 1       |
| DCB Decachlorobiphenyl | 39        |           | 20 - 120 | 06/24/21 06:56 | 06/24/21 16:57 | 1       |
| Tetrachloro-m-xylene   | 92        |           | 44 - 120 | 06/24/21 06:56 | 06/24/21 16:57 | 1       |
| Tetrachloro-m-xylene   | 63        |           | 44 - 120 | 06/24/21 06:56 | 06/24/21 16:57 | 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 |   | 07/03/21 08:36 | 07/06/21 13:59 | 1       |
| PCB-1221 | ND     |           | 0.50 | 0.18 | ug/L |   | 07/03/21 08:36 | 07/06/21 13:59 | 1       |
| PCB-1232 | ND     |           | 0.50 | 0.18 | ug/L |   | 07/03/21 08:36 | 07/06/21 13:59 | 1       |
| PCB-1242 | ND     |           | 0.50 | 0.18 | ug/L |   | 07/03/21 08:36 | 07/06/21 13:59 | 1       |
| PCB-1248 | ND     |           | 0.50 | 0.18 | ug/L |   | 07/03/21 08:36 | 07/06/21 13:59 | 1       |
| PCB-1254 | ND     |           | 0.50 | 0.25 | ug/L |   | 07/03/21 08:36 | 07/06/21 13:59 | 1       |
| PCB-1260 | ND     | UJ        | 0.50 | 0.25 | ug/L |   | 07/03/21 08:36 | 07/06/21 13:59 | 1       |
| PCB-1262 | ND     |           | 0.50 | 0.25 | ug/L |   | 07/03/21 08:36 | 07/06/21 13:59 | 1       |
| PCB-1268 | ND     |           | 0.50 | 0.25 | ug/L |   | 07/03/21 08:36 | 07/06/21 13:59 | 1       |

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| Tetrachloro-m-xylene   | 77        |           | 39 - 121 | 07/03/21 08:36 | 07/06/21 13:59 | 1       |
| Tetrachloro-m-xylene   | 82        |           | 39 - 121 | 07/03/21 08:36 | 07/06/21 13:59 | 1       |
| DCB Decachlorobiphenyl | 58        |           | 19 - 120 | 07/03/21 08:36 | 07/06/21 13:59 | 1       |
| DCB Decachlorobiphenyl | 54        |           | 19 - 120 | 07/03/21 08:36 | 07/06/21 13:59 | 1       |

## Method: 6010C - Metals (ICP) - Total Recoverable

| Analyte   | Result | Qualifier | RL     | MDL     | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-----------|--------|-----------|--------|---------|------|---|----------------|----------------|---------|
| Aluminum  | ND     |           | 0.20   | 0.060   | mg/L |   | 06/23/21 08:43 | 06/24/21 00:08 | 1       |
| Antimony  | ND     |           | 0.020  | 0.0068  | mg/L |   | 06/23/21 08:43 | 06/24/21 00:08 | 1       |
| Arsenic   | ND     |           | 0.015  | 0.0056  | mg/L |   | 06/23/21 08:43 | 06/24/21 00:08 | 1       |
| Barium    | ND     |           | 0.0020 | 0.00070 | mg/L |   | 06/23/21 08:43 | 06/24/21 00:08 | 1       |
| Beryllium | ND     |           | 0.0020 | 0.00030 | mg/L |   | 06/23/21 08:43 | 06/24/21 00:08 | 1       |
| Cadmium   | ND     |           | 0.0020 | 0.00050 | mg/L |   | 06/23/21 08:43 | 06/24/21 00:08 | 1       |
| Calcium   | ND     |           | 0.50   | 0.10    | mg/L |   | 06/23/21 08:43 | 06/24/21 00:08 | 1       |
| Chromium  | ND     |           | 0.0040 | 0.0010  | mg/L |   | 06/23/21 08:43 | 06/24/21 00:08 | 1       |
| Cobalt    | ND     |           | 0.0040 | 0.00063 | mg/L |   | 06/23/21 08:43 | 06/24/21 00:08 | 1       |
| Copper    | ND     |           | 0.010  | 0.0016  | mg/L |   | 06/23/21 08:43 | 06/24/21 00:08 | 1       |
| Iron      | ND     |           | 0.050  | 0.019   | mg/L |   | 06/23/21 08:43 | 06/24/21 00:08 | 1       |
| Lead      | ND     |           | 0.010  | 0.0030  | mg/L |   | 06/23/21 08:43 | 06/24/21 00:08 | 1       |
| Magnesium | ND     |           | 0.20   | 0.043   | mg/L |   | 06/23/21 08:43 | 06/24/21 00:08 | 1       |
| Manganese | ND     |           | 0.0030 | 0.00040 | mg/L |   | 06/23/21 08:43 | 06/24/21 00:08 | 1       |
| Nickel    | ND     |           | 0.010  | 0.0013  | mg/L |   | 06/23/21 08:43 | 06/24/21 00:08 | 1       |
| Potassium | ND     |           | 0.50   | 0.10    | mg/L |   | 06/23/21 08:43 | 06/24/21 00:08 | 1       |
| Selenium  | ND     |           | 0.025  | 0.0087  | mg/L |   | 06/23/21 08:43 | 06/24/21 00:08 | 1       |
| Silver    | ND     |           | 0.0060 | 0.0017  | mg/L |   | 06/23/21 08:43 | 06/24/21 00:08 | 1       |
| Sodium    | ND     |           | 1.0    | 0.32    | mg/L |   | 06/23/21 08:43 | 06/24/21 00:08 | 1       |
| Thallium  | ND     |           | 0.020  | 0.010   | mg/L |   | 06/23/21 08:43 | 06/24/21 00:08 | 1       |
| Vanadium  | ND     |           | 0.0050 | 0.0015  | mg/L |   | 06/23/21 08:43 | 06/24/21 00:08 | 1       |
| Zinc      | ND     |           | 0.010  | 0.0015  | mg/L |   | 06/23/21 08:43 | 06/24/21 00:08 | 1       |

## Method: 7470A - Mercury (CVAA)

| Analyte | Result | Qualifier | RL      | MDL      | Unit | D | Prepared       | Analyzed       | Dil Fac |
|---------|--------|-----------|---------|----------|------|---|----------------|----------------|---------|
| Mercury | ND     |           | 0.00020 | 0.000043 | mg/L |   | 06/25/21 14:02 | 06/25/21 18:02 | 1       |

Eurofins TestAmerica, Buffalo



# VALIDATA

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## DATA USABILITY SUMMARY REPORT

COMPANY: AECOM Technical Services Northeast, Inc.  
PROJECT NAME: Niagara Sanitation Wheatfield #932054  
CONTRACTED LAB: Eurofins Test America, Buffalo  
QA/QC LEVEL: DUSR  
ANALYTICAL METHOD(S): SW846 and EPA Methods  
VALIDATION GUIDELINES: USEPA Region II data validation SOPs (VOA HW-24 Rev.4, SVOC HW-22 Rev.5, PEST-HW-44, Rev 1.1, PCB HW-37a Rev. 0, METALS\_SOP\_HW3a-ICP-AES Rev 1.1 and HW3c-Hg-CN, Rev. 1), USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review, **2008**; USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Data Review, **2010**; NYDEC Guidelines for Sampling and Analysis of PFAS, January 2020, Professional Judgment  
SAMPLE MATRICES: Soil & Water  
TYPES OF ANALYSES: Semivolatile Organic Compounds (SVOC), Pesticides (Pest), Polychlorinated Hydrocarbons (PCBs), Total Metals, Total Mercury  
DATA REVIEWER(S): Amy L. Hogan  
SDG NUMBER: 480-185711-1  
SAMPLING DATE(S): June 7, 2021

### SAMPLES:

| <u>Client Sample ID</u> | <u>Laboratory ID</u> | <u>SVOC</u> | <u>PEST</u> |
|-------------------------|----------------------|-------------|-------------|
| SS-58-0212              | 480-186368-1         | X           | X           |
| SS-04-0002              | 480-186368-3         | X           | X           |
| SS-04-0212              | 480-186368-4         | X           | X           |
| SS-05-0002              | 480-186368-5         | X           | X           |
| SS-05-0212              | 480-186368-6         | X           | X           |
| SS-06-0002              | 480-186368-7         | X           | X           |
| SS-06-0212              | 480-186368-8         | X           | X           |
| SS-07-0002              | 480-186368-9         | X           | X           |
| SS-07-0212              | 480-186368-10        | X           | X           |
| SS-08-0002              | 480-186368-11        | X           | X           |
| SS-08-0212              | 480-186368-12        | X           | X           |
| SS-13-0002              | 480-186368-13        | X           | X           |
| SS-13-0212              | 480-186368-14        | X           | X           |

| <u>Client Sample ID</u> | <u>Laboratory ID</u> | <u>SVOC</u> | <u>PEST</u> |
|-------------------------|----------------------|-------------|-------------|
| FB-22-03-210622         | 480-186368-15        | X           | X           |
| FB-22-03-210622RE       | 480-186368-15RE      | X           |             |

| <u>Client Sample ID</u> | <u>Laboratory ID</u> | <u>PCB</u> | <u>T. Met.</u> |
|-------------------------|----------------------|------------|----------------|
| SS-58-0212              | 480-186368-1         | X          | X              |
| SS-02-0002              | 480-186368-2         |            | X              |
| SS-04-0002              | 480-186368-3         | X          | X              |
| SS-04-0212              | 480-186368-4         | X          | X              |
| SS-05-0002              | 480-186368-5         | X          | X              |
| SS-05-0212              | 480-186368-6         | X          | X              |
| SS-06-0002              | 480-186368-7         | X          | X              |
| SS-06-0212              | 480-186368-8         | X          | X              |
| SS-07-0002              | 480-186368-9         | X          | X              |
| SS-07-0212              | 480-186368-10        | X          | X              |
| SS-08-0002              | 480-186368-11        | X          | X              |
| SS-08-0212              | 480-186368-12        | X          | X              |
| SS-13-0002              | 480-186368-13        | X          | X              |
| SS-13-0212              | 480-186368-14        | X          | X              |
| FB-SS-03-210622         | 480-186368-15        | X          | X              |

| <u>Client Sample ID</u> | <u>Laboratory ID</u> | <u>T. Mer.</u> |
|-------------------------|----------------------|----------------|
| SS-58-0212              | 480-186368-1         | X              |
| SS-02-0002              | 480-186368-2         | X              |
| SS-04-0002              | 480-186368-3         | X              |
| SS-04-0212              | 480-186368-4         | X              |
| SS-05-0002              | 480-186368-5         | X              |
| SS-05-0212              | 480-186368-6         | X              |
| SS-06-0002              | 480-186368-7         | X              |
| SS-06-0212              | 480-186368-8         | X              |
| SS-07-0002              | 480-186368-9         | X              |
| SS-07-0212              | 480-186368-10        | X              |
| SS-08-0002              | 480-186368-11        | X              |
| SS-08-0212              | 480-186368-12        | X              |
| SS-13-0002              | 480-186368-13        | X              |
| SS-13-0212              | 480-186368-14        | X              |
| FB-SS-03-210622         | 480-186368-15        | X              |

Suffix Codes: DL= DILUTION, MS = MATRIX SPIKE,  
MSD = MATRIX SPIKE DUPLICATE, RE = REANALYSIS



| Qualifier | Definition                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|-----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>U</b>  | The analyte was not detected and was reported as less than the LOD or as defined by the customer. The LOD has been adjusted for any dilution or concentration of the sample.                                                                                                                                                                                                                                                                |
| <b>J</b>  | The reported result was an estimated value with an unknown bias.                                                                                                                                                                                                                                                                                                                                                                            |
| <b>J+</b> | The result was an estimated quantity, but the result may be biased high.                                                                                                                                                                                                                                                                                                                                                                    |
| <b>J-</b> | The result was an estimated quantity, but the result may be biased low.                                                                                                                                                                                                                                                                                                                                                                     |
| <b>N</b>  | The analysis indicates the presence of an analyte for which there was presumptive evidence to make a "tentative identification."                                                                                                                                                                                                                                                                                                            |
| <b>NJ</b> | The analyte has been “tentatively identified” or “presumptively” as present and the associated numerical value was the estimated concentration in the sample.                                                                                                                                                                                                                                                                               |
| <b>UJ</b> | The analyte was not detected and was reported as less than the LOD or as defined by the customer. However, the associated numerical value is approximate.                                                                                                                                                                                                                                                                                   |
| <b>X</b>  | The sample results (including non-detects) were affected by serious deficiencies in the ability to analyze the sample and to meet published method and project quality control criteria. The presence or absence of the analyte cannot be substantiated by the data provided. Acceptance or rejection of the data should be decided by the project team (which should include a project chemist), but exclusion of the data is recommended. |

## DATA USABILITY SUMMARY

Eurofins Test America, Buffalo – 480-186368-1

### ***SEMIVOLATILE ORGANICS***

#### SUMMARY

##### I.) General:

The analyses for Semivolatile Organics were performed per SW846 Method 8270D.

##### II.) Overall Assessment of Data:

All laboratory data were acceptable with qualifications.

##### II.) Holding Times:

The 15 days between sample collection and extraction for FB-SS-03-210622RE exceeded the 7-day QC limit for water samples. All positive and non-detect results for this sample were qualified as estimated (J) and (UJ).

##### IV.) GC/MS Tuning:

All GC/MS Tuning criteria were met. No data qualification was necessary.

##### V.) Calibration:

###### Initial Calibration:

All Initial Calibration criteria were met. No data qualification was necessary.

###### Initial Calibration Verification:

All Initial Calibration Verification criteria were met. No data qualification was necessary.

###### Continuing Calibration:

The Percent Difference (%D) for the standards run on 7/2/21 at 01:52 on instrument HP5973W was 21.7% for carbazole, which exceeded the 20% QC limit. The non-detect carbazole result for associated sample FB-SS-03-210622 was qualified as estimated (UJ).

The Percent Difference (%D) for the standards run on 7/9/21 at 15:44 on instrument HP5973W was -24.4% for benzidine, which exceeded the 20% QC limit. The non-detect benzidine result for

associated sample FB-SS-03-210622RE was qualified as estimated (UJ).

#### VI.) Blanks:

##### Method Blanks:

Di-n-butylphthalate (18.8 ug/L) was detected in method blank 480-587140/1-A. Since the associated sample was a field QC sample, no data qualification was necessary.

Di-n-butylphthalate (59.5 ug/kg) was detected in method blank 480-587525/1-A. Since the blank result was less than the RL, all positive results for this compound in the soil samples, which were less than the RL, were qualified as undetected (U) with the result being raised to the RL.

Di-n-butylphthalate (0.616 ug/L), naphthalene (1.23 ug/L) and phenanthrene (0.543 ug/L) were detected in method blank 480-588327/1-A. Since the associated sample was a field QC sample, no data qualification was necessary.

##### Equipment Blanks:

There was no equipment blank submitted in association with this SDG. No data qualification was necessary.

##### Field Blanks:

Di-n-butylphthalate was detected in associated field blank FB-SS-03-210622 (19 ug/L) and FB-SS-03-210622RE (0.043 ug/L). Since the blank result for the initial analysis of the sample was greater than the RL, the positive results for this compound in the samples, which were all less than the RL, were qualified as undetected (U) with the result being raised to the RL.

#### VII.) Surrogate Recoveries:

The Surrogate compounds were diluted out of sample SS-13-0212. All other Surrogate Recovery criteria were met. No data qualification was necessary.

#### VIII.) Laboratory Control Samples (LCS):

Three LCS were analyzed by the laboratory for this SDG. The Percent Recoveries (%Rs) for caprolactam (129%) and di-n-butylphthalate (142%) for a water LCS and benzoic acid (142%) for the soil LCS exceeded the QC limits. Data qualification based on LCS criteria alone was not required. No data qualification was necessary.

#### IX.) Matrix Spike / Matrix Spike Duplicate (MS / MSD):

MS / MSD analyses were performed using SDG sample SS-13-0002. The Percent Recoveries (%Rs) for 2,4-dinitrophenol (0%, 0%) and benzoic acid (0%, 0%) were below the QC limits. Data qualification based on MS / MSD criteria alone was not required.

X.) Field Duplicates:

One set of field duplicate samples (SS-08-0212 / SS-58-0212) was identified as part of this SDG. There were no calculable results. No data qualification was necessary.

XI.) TCL Compound Identification:

All TCL Compound Identification criteria were met. No data qualification was necessary.

XII.) Internal Standards Performance (ISTD):

All ISTD area count criteria were met. No data qualification was necessary.

XIII.) Compound Quantitation and Reported Contract Required Quantitation Limits (CRQL):

The lab reanalyzed sample FB-SS-03-2106022 based on method blank contamination and LCS recovery issues. Since the re-extraction of the sample exceeded the QC limits and method blank contamination was documented for the re-extracted sample, citing professional judgment, the validator has determined that the initial analysis results for the sample are of preferable data quality to the re-extraction results for the sample.

Samples SS-04-0212 and SS-13-0212 were diluted due to the color and appearance of the extracts, which resulted in elevated reporting limits. Data qualification was not necessary.

All other CRQL criteria were met. No data qualification was necessary.

## ***PESTICIDES***

### **SUMMARY**

I.) General:

The analyses for Pesticides were performed per SW846 Method 8081B.

II.) Overall Assessment of Data:

Based on Compound Identification criteria, the results for trans-chlordane for SS-05-0002, beta BHC for SS-05-0212, dieldrin for SS-07-0002, endrin aldehyde for SS-07-0212 and beta BHC and 4,4'-DDT for SS-08-0212 were qualified as rejected (R).

All other laboratory data were acceptable with qualifications.

II.) Holding Times:

All Holding Time criteria were met. No data qualification was necessary.

#### IV.) Instrument Performance:

All Instrument Performance criteria were met. No data qualification was necessary.

#### V.) Calibration:

##### Initial Calibration:

All Initial Calibration criteria were met. No data qualification was necessary.

##### Continuing Calibration:

The Percent Difference (%D) for the standards run on 6/30/21 at 08:29 on instrument HP6890-5 on column I was 25.6% for DCB, which exceeded the 20% QC limit. Since DCB is a surrogate compound, no data qualification was necessary.

A review of the run log indicates that the CCV was not analyzed after every 10 samples as recommended by the guidance and that a closing CCV was also not analyzed. It was noted that the lab did analyze a CCV every 20 samples as recommended by the method. Since the samples were all analyzed within the 12-hour analytical clock of the submitted calibration and citing professional judgment, the validator determined that data qualification based on the closing calibration standard absence was not necessary.

#### VI.) Blanks:

##### Method Blanks:

The following compounds were detected in method blank 480-586730/1-A:

|                 |             |
|-----------------|-------------|
| delta BHC       | 0.0138 ug/L |
| endrin aldehyde | 0.0305 ug/L |
| gamma BHC       | 0.0138 ug/L |

Since the associated sample was a field QC sample, no data qualification was necessary.

##### Equipment Blanks:

There was no equipment blank submitted in association with this SDG. No data qualification was necessary.

##### Field Blanks:

Endrin aldehyde (0.029 ug/L) and gamma BHC (0.012 ug/L) were detected in field blank FB-SS-03-210622. Since the blank concentration was less than the RL, the positive results for this compound in the SDG samples, which were less than the RL, were qualified as undetected (U) with the results being raised to the RL.

VII.) Surrogate Recoveries:

The surrogates were diluted out of samples SS-04-0212, SS-13-0002 and SS-13-0212. Data qualification was not necessary. All other surrogate recovery criteria were met.

VIII.) Laboratory Control Samples (LCS):

Two LCS were analyzed by the laboratory for this SDG. All criteria were met. No data qualification was necessary.

IX.) Matrix Spike / Matrix Spike Duplicate (MS / MSD):

MS / MSD analyses were performed using SDG sample SS-13-0002. TT02-3.5-4.0-210607. Since the parent sample and the MS / MSD samples were all analyzed at a significant dilution, the results were not considered meaningful. No data qualification was necessary.

X.) Field Duplicates:

One set of field duplicate samples (SS-08-0212 / SS-58-0212) was identified as part of this SDG. The calculable Relative Percent Difference (RPD) for beta BHC at 26% was within the QC limit. No data qualification was necessary.

XI.) TCL Compound Identification:

The Column Relative Percent Difference (RPD) exceeded the 25% QC limit for the following samples and compounds:

|            |                 |        |
|------------|-----------------|--------|
| SS-58-0212 | beta BHC        | 27.1%  |
| SS-05-0002 | trans-chlordane | 166.9% |
| SS-05-0212 | beta BHC        | 124.6% |
|            | heptachlor      | 44.5%  |
| SS-07-0002 | dieldrin        | 126.6% |
|            | 4,4'-DDT        | 32.4%  |
|            | methoxychlor    | 30.9%  |
|            | Mirex           | 31.5%  |
| SS-07-0212 | beta BHC        | 31.4%  |
|            | endrin aldehyde | 163.6% |
| SS-08-0002 | 4,4'-DDE        | 27.2%  |
|            | dieldrin        | 28.6%  |
|            | 4,4'-DDT        | 85.5%  |
| SS-08-0212 | beta BHC        | 115%   |
|            | 4,4'-DDT        | 100.1% |

The results for trans-chlordane for SS-05-0002, beta BHC for SS-05-0212, dieldrin for SS-07-0002, endrin aldehyde for SS-07-0212 and beta BHC and 4,4'-DDT for SS-08-0212 were qualified as rejected (R) since the RPDs were greater than 100% and interference was not identified. The 4,4'-DDT result for sample SS-08-0002 was qualified as estimated (NJ) since the

RPD was greater than 70% and the results for the other listed compounds were qualified as estimated (J).

XII.) Internal Standards Performance (ISTD):

All ISTD area count criteria were met. No data qualification was necessary.

XIII.) Compound Quantitation and Reported Contract Required Quantitation Limits (CRQL):

Samples SS-04-0002, SS-04-0212, SS-13-0002 and SS-03-0212 -210607 were analyzed at dilutions due to the nature of the matrix or the high concentration of target compounds, which resulted in elevated reporting limits. No data qualification was necessary.

All other CRQL criteria were met. No data qualification was necessary.

***POLYCHLORINATED BIPHENYLS (PCB)***

SUMMARY

I.) General:

The analyses for Polychlorinated Biphenyls (PCB) were performed per SW846 Method 8082A.

II.) Overall Assessment of Data:

All laboratory data were acceptable with qualifications.

II.) Holding Times:

All Holding Time criteria were met. No data qualification was necessary.

IV.) Instrument Performance:

All Instrument Performance criteria were met. No data qualification was necessary.

V.) Calibration:

Initial Calibration:

All Initial Calibration criteria were met. No data qualification was necessary.

Continuing Calibration:

The Percent Differences (%Ds) for the standards run on 7/6/21 at 17:36 on instrument HP6890-6 was 25.8% for Aroclor 1260 (1), which exceeded the 25% opening CCV QC limit. The non-detect result for Aroclor 1260 for associated sample FB-SS-03-210622 was qualified as estimated

(UJ).

A review of the run log indicates that the CCV was not analyzed after every 10 samples as recommended by the guidance and that a closing CCV was also not analyzed. It was noted that the lab did analyze a CCV every 20 samples as recommended by the method. Since the samples were all analyzed within the 12-hour analytical clock of the submitted calibration and citing professional judgment, the validator determined that data qualification based on the closing calibration standard absence was not necessary.

VI.) Blanks:

Method Blanks:

There were no detections in the associated method blank. No data qualification was necessary.

Equipment Blanks:

There was no equipment blank submitted in association with this SDG. No data qualification was necessary.

Field Blanks:

There were no detections in the field blank submitted in association with this SDG. No data qualification was necessary.

VII.) Surrogate Recoveries:

The Percent Recovery (%R) for TCMX (160%) for sample SS-08-0212 exceeded the QC limits. Since there were no positive results for this sample, no data qualification was necessary.

VIII.) Laboratory Control Samples (LCS):

Two LCS were analyzed by the laboratory for this SDG. All criteria were met. No data qualification was necessary.

IX.) Matrix Spike / Matrix Spike Duplicate (MS / MSD):

MS / MSD analyses were performed using SDG sample SS-13-0002. All criteria were met. No data qualification was necessary.

X.) Field Duplicates:

One set of field duplicate samples (SS-08-0212 / SS-58-0212) was identified as part of this SDG. There were no calculable results. No data qualification was necessary.



XI.) TCL Compound Identification:

The Column Relative Percent Difference (RPD) exceeded the 25% QC limit for Aroclor 1260 (31.2%) for SS-13-0002. The positive result for this compound in the sample was qualified as estimated (J).

XII.) Internal Standards Performance (ISTD):

All ISTD area count criteria were met. No data qualification was necessary.

XIII.) Compound Quantitation and Reported Contract Required Quantitation Limits (CRQL):

Sample SS-13-0212 was diluted due to the matrix, which resulted in elevated reporting limits. No data qualification was necessary.

All other CRQL criteria were met. No data qualification was necessary.

***TOTAL METALS***

**SUMMARY**

I.) General:

The analyses for Total Metals were performed per SW846 Method 6010C.

II.) Overall Assessment of Data:

All laboratory data were acceptable with qualifications.

III.) Holding Times:

All Holding Time criteria were met. No data qualification was necessary.

IV.) Calibration:

The Percent Recoveries (%Rs) for the LLCCVs for total iron (156%) exceeded the QC limit. Since the associated sample results were greater than the RL, no data qualification was necessary.

V.) CRDL standards:

All CRDL standards criteria were met. No data qualification was required.

## VI.) Blanks:

### Calibration Blanks:

Iron (0.0355 mg/L, 0.181 mg/L), potassium (0.123 mg/L) and sodium (0.453 mg/L) were detected in associated calibration blanks. Since the associated sample results were either non-detect or greater than the RL or the blank concentration, no data qualification was necessary.

### Preparation Blanks:

Calcium (0.131 mg/L) and manganese (0.000630 mg/L) were detected in method blank 480-586695/1-A. Since the associated sample results were both non-detect, no data qualification was necessary.

The following analytes were detected in associated method blank 480-587621/1-A:

|           |             |
|-----------|-------------|
| calcium   | 5.50 mg/kg  |
| lead      | 1.74 mg/kg  |
| manganese | 0.204 mg/kg |

Since the blank results for calcium and manganese were less than the RL and all positive sample results were greater than the RL, no data qualification was necessary for these analytes. Since the blank result for lead was greater than the RL and all positive lead results for the samples were greater than the RL and the blank concentration, no data qualification was necessary for this analyte.

### Equipment Blanks:

There was no associated equipment blank submitted with this SDG. No data qualification was necessary.

### Field Blank:

Manganese (0.00052 mg/L) was detected in associated field blank FB-SS-03-210622. Since the blank result was less than the RL and all positive manganese results for the samples were greater than the RL, no data qualification was necessary.

## VII.) Interference Check Sample (ICS) Results:

All ICS criteria were met. It was noted by the lab that barium was detected in the ICSA sample above the MDL but at the level that the vendor has identified as trace contamination. Citing professional judgment, the validator determined that no data qualification was necessary.

## VIII.) Matrix Spike / Matrix Spike Duplicates (MS / MSD):

MS / MSD analyses were performed using SDG sample SS-13-0002. The parent sample results for calcium, lead and zinc were greater than 4X the spike concentration, so the results for these

analytes were not considered meaningful. The Percent Recoveries (%Rs) exceeded the QC limits for the following analytes:

| <u>Analyte</u> | <u>MS %R</u> | <u>MSD %R</u> |
|----------------|--------------|---------------|
| aluminum       | 330%         | 302%          |
| barium         | 153%         | 146%          |
| iron           | 188%         | 169%          |
| magnesium      | 152%         | 132%          |
| manganese      | 152%         | 146%          |
| potassium      | 174%         | 169%          |

The post spike %R for iron (79%) was below the QC limits. All other post spike criteria were met. The results for the listed analytes in the parent sample, which were all positive, were qualified as estimated (J).

IX.) Laboratory Control Samples (LCS):

All LCS Recovery criteria were met. No data qualification was necessary.

X.) Serial Dilution Analysis:

Serial Dilution Analysis was performed using SDG sample SS-13-0002. The Percent Differences (%Ds) exceeded the QC limit for the following analytes:

|          |     |
|----------|-----|
| aluminum | 23% |
| barium   | 21% |
| calcium  | 21% |

The positive results for these analytes in the parent sample were qualified as estimated (J).

XI.) Field Duplicates:

One set of field duplicate samples (SS-08-0212 / SS-58-0212) was identified for this SDG. The calculable Relative Percent Differences (RPDs) for the first set were:

|           |      |
|-----------|------|
| aluminum  | 2.3% |
| arsenic   | 5.1% |
| barium    | 3.9% |
| beryllium | 5.0% |
| cadmium   | 37%  |
| calcium   | 23%  |
| chromium  | 9.8% |
| cobalt    | 3.3% |
| copper    | 6.0% |
| iron      | 10%  |
| lead      | 12%  |

|           |      |
|-----------|------|
| magnesium | 12%  |
| manganese | 7.4% |
| nickel    | 7.8% |
| potassium | 4.0% |
| selenium  | 40%  |
| sodium    | 5.1% |
| vanadium  | 1.9% |
| zinc      | 15%  |

All RPDs were within the 50% QC limit for solid samples, so no data qualification was necessary.

## XII.) Compound Quantitation and Reported Contract Required Quantitation Limits (CRQL):

All CRQL criteria were met. No data qualification was necessary.

## ***TOTAL MERCURY***

### **SUMMARY**

#### I.) General:

The analyses for Total Mercury were performed per SW846 Method 7470A.

#### II.) Overall Assessment of Data:

All laboratory data were acceptable with qualifications.

#### III.) Holding Times:

All Holding Time criteria were met. No data qualification was necessary.

#### IV.) Calibration:

All Initial and Continuing Calibration criteria were met. No data qualification was necessary.

#### V.) CRDL standards:

All CRDL standards criteria were met. No data qualification was required.

#### VI.) Blanks:

##### Calibration Blanks:

There were no detections in the associated calibration blanks. No data qualification was necessary.

#### Preparation Blanks:

There was no detection in the associated preparation blanks. No data qualification was necessary.

#### Equipment Blanks:

There was no equipment blank submitted in associated with this SDG. No data qualification was necessary.

#### Field Blank:

There was no detection reported in the field blank submitted in association with this SDG. No data qualification was necessary.

#### VII.) Matrix Spike / Matrix Spike Duplicates (MS / MSD):

MS / MSD analyses were performed using SDG sample SS-13-0002. All criteria were met. No data qualification was necessary.

#### VIII.) Laboratory Control Samples (LCS):

All LCS Recovery criteria were met. No data qualification was necessary.

#### IX.) Serial Dilution Analysis:

Serial Dilution Analysis was performed using SDG sample SS-13-0002. The Percent Difference (%D) of 24% exceeded the QC limit. The positive mercury result for the parent sample was qualified as estimated (J).

#### X.) Field Duplicates:

One set of field duplicate samples (SS-08-0212 / SS-58-0212) was identified for this fraction of the SDG. The calculable Relative Percent Difference (RPD) at 5.1% was within the 50% QC limit for solid samples. No data qualification was necessary.

#### XI.) Compound Quantitation and Reported Contract Required Quantitation Limits (CRQL):

All CRQL criteria were met. No data qualification was necessary.

## **Attachment A**

**Sample Result Forms (FORM Is) Corrected for Validation Qualifiers**

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186368-1

Client Sample ID: SS-58-0212

Lab Sample ID: 480-186368-1

Date Collected: 06/22/21 08:00

Matrix: Solid

Date Received: 06/22/21 12:15

Percent Solids: 84.7

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

| Analyte                       | Result | Qualifier | RL   | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|--------|-----------|------|-----|-------|---|----------------|----------------|---------|
| Biphenyl                      | ND     |           | 200  | 29  | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 21:46 | 1       |
| bis (2-chloroisopropyl) ether | ND     |           | 200  | 39  | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 21:46 | 1       |
| 2,4,5-Trichlorophenol         | ND     |           | 200  | 53  | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 21:46 | 1       |
| 2,4,6-Trichlorophenol         | ND     |           | 200  | 39  | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 21:46 | 1       |
| 2,4-Dichlorophenol            | ND     |           | 200  | 21  | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 21:46 | 1       |
| 2,4-Dimethylphenol            | ND     |           | 200  | 48  | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 21:46 | 1       |
| 2,4-Dinitrophenol             | ND     |           | 1900 | 910 | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 21:46 | 1       |
| 2,4-Dinitrotoluene            | ND     |           | 200  | 41  | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 21:46 | 1       |
| 2,6-Dinitrotoluene            | ND     |           | 200  | 23  | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 21:46 | 1       |
| 2-Chloronaphthalene           | ND     |           | 200  | 32  | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 21:46 | 1       |
| 2-Chlorophenol                | ND     |           | 380  | 36  | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 21:46 | 1       |
| 2-Methylnaphthalene           | ND     |           | 200  | 39  | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 21:46 | 1       |
| 2-Methylphenol                | ND     |           | 200  | 23  | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 21:46 | 1       |
| 2-Nitroaniline                | ND     |           | 380  | 29  | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 21:46 | 1       |
| 2-Nitrophenol                 | ND     |           | 200  | 56  | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 21:46 | 1       |
| 3,3'-Dichlorobenzidine        | ND     |           | 380  | 230 | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 21:46 | 1       |
| 3-Nitroaniline                | ND     |           | 380  | 55  | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 21:46 | 1       |
| 4,6-Dinitro-2-methylphenol    | ND     |           | 380  | 200 | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 21:46 | 1       |
| 4-Bromophenyl phenyl ether    | ND     |           | 200  | 28  | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 21:46 | 1       |
| 4-Chloro-3-methylphenol       | ND     |           | 200  | 49  | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 21:46 | 1       |
| 4-Chloroaniline               | ND     |           | 200  | 49  | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 21:46 | 1       |
| 4-Chlorophenyl phenyl ether   | ND     |           | 200  | 24  | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 21:46 | 1       |
| 4-Methylphenol                | ND     |           | 380  | 23  | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 21:46 | 1       |
| 4-Nitroaniline                | ND     |           | 380  | 100 | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 21:46 | 1       |
| 4-Nitrophenol                 | ND     |           | 380  | 140 | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 21:46 | 1       |
| Acenaphthene                  | ND     |           | 200  | 29  | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 21:46 | 1       |
| Acenaphthylene                | ND     |           | 200  | 26  | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 21:46 | 1       |
| Acetophenone                  | ND     |           | 200  | 27  | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 21:46 | 1       |
| Anthracene                    | ND     |           | 200  | 49  | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 21:46 | 1       |
| Atrazine                      | ND     |           | 200  | 68  | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 21:46 | 1       |
| Benzaldehyde                  | ND     |           | 200  | 160 | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 21:46 | 1       |
| Benzo(a)anthracene            | ND     |           | 200  | 20  | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 21:46 | 1       |
| Benzo(a)pyrene                | ND     |           | 200  | 29  | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 21:46 | 1       |
| Benzo(b)fluoranthene          | ND     |           | 200  | 31  | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 21:46 | 1       |
| Benzo(g,h,i)perylene          | ND     |           | 200  | 21  | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 21:46 | 1       |
| Benzo(k)fluoranthene          | ND     |           | 200  | 26  | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 21:46 | 1       |
| Bis(2-chloroethoxy)methane    | ND     |           | 200  | 42  | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 21:46 | 1       |
| Bis(2-chloroethyl)ether       | ND     |           | 200  | 26  | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 21:46 | 1       |
| Bis(2-ethylhexyl) phthalate   | ND     |           | 200  | 67  | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 21:46 | 1       |
| Butyl benzyl phthalate        | ND     |           | 200  | 32  | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 21:46 | 1       |
| Caprolactam                   | ND     |           | 200  | 59  | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 21:46 | 1       |
| Carbazole                     | ND     |           | 200  | 23  | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 21:46 | 1       |
| Chrysene                      | ND     |           | 200  | 44  | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 21:46 | 1       |
| Di-n-butyl phthalate          | 200    | 93--J-B U | 200  | 34  | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 21:46 | 1       |
| Di-n-octyl phthalate          | ND     |           | 200  | 23  | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 21:46 | 1       |
| Dibenz(a,h)anthracene         | ND     |           | 200  | 35  | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 21:46 | 1       |
| Dibenzofuran                  | ND     |           | 200  | 23  | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 21:46 | 1       |
| Diethyl phthalate             | ND     |           | 200  | 26  | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 21:46 | 1       |
| Dimethyl phthalate            | ND     |           | 200  | 23  | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 21:46 | 1       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186368-1

Client Sample ID: SS-58-0212

Lab Sample ID: 480-186368-1

Date Collected: 06/22/21 08:00

Matrix: Solid

Date Received: 06/22/21 12:15

Percent Solids: 84.7

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

| Analyte                   | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------------|--------|-----------|------|------|-------|---|----------------|----------------|---------|
| Fluoranthene              | ND     |           | 200  | 21   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 21:46 | 1       |
| Fluorene                  | ND     |           | 200  | 23   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 21:46 | 1       |
| Hexachlorobenzene         | ND     |           | 200  | 27   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 21:46 | 1       |
| Hexachlorobutadiene       | ND     |           | 200  | 29   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 21:46 | 1       |
| Hexachlorocyclopentadiene | ND     |           | 200  | 27   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 21:46 | 1       |
| Hexachloroethane          | ND     |           | 200  | 26   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 21:46 | 1       |
| Indeno(1,2,3-cd)pyrene    | ND     |           | 200  | 24   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 21:46 | 1       |
| Isophorone                | ND     |           | 200  | 42   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 21:46 | 1       |
| N-Nitrosodi-n-propylamine | ND     |           | 200  | 34   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 21:46 | 1       |
| N-Nitrosodiphenylamine    | ND     |           | 200  | 160  | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 21:46 | 1       |
| Naphthalene               | ND     |           | 200  | 26   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 21:46 | 1       |
| Nitrobenzene              | ND     |           | 200  | 22   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 21:46 | 1       |
| Pentachlorophenol         | ND     |           | 380  | 200  | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 21:46 | 1       |
| Phenanthrene              | ND     |           | 200  | 29   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 21:46 | 1       |
| Phenol                    | ND     |           | 200  | 30   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 21:46 | 1       |
| Pyrene                    | ND     |           | 200  | 23   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 21:46 | 1       |
| Benzoic acid              | ND     | *+        | 5600 | 1700 | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 21:46 | 1       |

| Surrogate            | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 2,4,6-Tribromophenol | 98        |           | 54 - 120 | 06/30/21 07:50 | 07/06/21 21:46 | 1       |
| 2-Fluorobiphenyl     | 68        |           | 60 - 120 | 06/30/21 07:50 | 07/06/21 21:46 | 1       |
| 2-Fluorophenol       | 52        |           | 52 - 120 | 06/30/21 07:50 | 07/06/21 21:46 | 1       |
| Nitrobenzene-d5      | 61        |           | 53 - 120 | 06/30/21 07:50 | 07/06/21 21:46 | 1       |
| p-Terphenyl-d14      | 105       |           | 79 - 130 | 06/30/21 07:50 | 07/06/21 21:46 | 1       |
| Phenol-d5            | 57        |           | 54 - 120 | 06/30/21 07:50 | 07/06/21 21:46 | 1       |

## Method: 8081B - Organochlorine Pesticides (GC)

| Analyte             | Result | Qualifier | RL  | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|--------|-----------|-----|------|-------|---|----------------|----------------|---------|
| 4,4'-DDD            | ND     |           | 1.9 | 0.38 | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 12:24 | 1       |
| 4,4'-DDE            | ND     |           | 1.9 | 0.41 | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 12:24 | 1       |
| 4,4'-DDT            | ND     |           | 1.9 | 0.45 | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 12:24 | 1       |
| Aldrin              | ND     |           | 1.9 | 0.48 | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 12:24 | 1       |
| alpha-BHC           | ND     |           | 1.9 | 0.35 | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 12:24 | 1       |
| cis-Chlordane       | ND     |           | 1.9 | 0.97 | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 12:24 | 1       |
| beta-BHC            | 1.7    | J J       | 1.9 | 0.35 | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 12:24 | 1       |
| delta-BHC           | ND     |           | 1.9 | 0.36 | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 12:24 | 1       |
| Dieldrin            | ND     |           | 1.9 | 0.47 | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 12:24 | 1       |
| Endosulfan I        | ND     |           | 1.9 | 0.37 | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 12:24 | 1       |
| Endosulfan II       | ND     |           | 1.9 | 0.35 | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 12:24 | 1       |
| Endosulfan sulfate  | ND     |           | 1.9 | 0.36 | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 12:24 | 1       |
| Endrin              | ND     |           | 1.9 | 0.38 | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 12:24 | 1       |
| Endrin aldehyde     | ND     |           | 1.9 | 0.50 | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 12:24 | 1       |
| Endrin ketone       | ND     |           | 1.9 | 0.48 | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 12:24 | 1       |
| gamma-BHC (Lindane) | ND     |           | 1.9 | 0.36 | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 12:24 | 1       |
| trans-Chlordane     | ND     |           | 1.9 | 0.62 | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 12:24 | 1       |
| Heptachlor          | ND     |           | 1.9 | 0.42 | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 12:24 | 1       |
| Heptachlor epoxide  | ND     |           | 1.9 | 0.50 | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 12:24 | 1       |
| Methoxychlor        | ND     |           | 1.9 | 0.40 | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 12:24 | 1       |
| Toxaphene           | ND     |           | 19  | 11   | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 12:24 | 1       |
| Mirex               | ND     |           | 1.9 | 0.47 | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 12:24 | 1       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186368-1

Client Sample ID: SS-58-0212

Lab Sample ID: 480-186368-1

Date Collected: 06/22/21 08:00

Matrix: Solid

Date Received: 06/22/21 12:15

Percent Solids: 84.7

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| DCB Decachlorobiphenyl | 86        |           | 45 - 120 | 06/29/21 07:46 | 06/30/21 12:24 | 1       |
| DCB Decachlorobiphenyl | 68        |           | 45 - 120 | 06/29/21 07:46 | 06/30/21 12:24 | 1       |
| Tetrachloro-m-xylene   | 80        |           | 30 - 124 | 06/29/21 07:46 | 06/30/21 12:24 | 1       |
| Tetrachloro-m-xylene   | 58        |           | 30 - 124 | 06/29/21 07:46 | 06/30/21 12:24 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| PCB-1016 | ND     |           | 0.21 | 0.042 | mg/Kg | ☼ | 07/01/21 15:01 | 07/05/21 22:28 | 1       |
| PCB-1221 | ND     |           | 0.21 | 0.042 | mg/Kg | ☼ | 07/01/21 15:01 | 07/05/21 22:28 | 1       |
| PCB-1232 | ND     |           | 0.21 | 0.042 | mg/Kg | ☼ | 07/01/21 15:01 | 07/05/21 22:28 | 1       |
| PCB-1242 | ND     |           | 0.21 | 0.042 | mg/Kg | ☼ | 07/01/21 15:01 | 07/05/21 22:28 | 1       |
| PCB-1248 | ND     |           | 0.21 | 0.042 | mg/Kg | ☼ | 07/01/21 15:01 | 07/05/21 22:28 | 1       |
| PCB-1254 | ND     |           | 0.21 | 0.10  | mg/Kg | ☼ | 07/01/21 15:01 | 07/05/21 22:28 | 1       |
| PCB-1260 | ND     |           | 0.21 | 0.10  | mg/Kg | ☼ | 07/01/21 15:01 | 07/05/21 22:28 | 1       |
| PCB-1262 | ND     |           | 0.21 | 0.10  | mg/Kg | ☼ | 07/01/21 15:01 | 07/05/21 22:28 | 1       |
| PCB-1268 | ND     |           | 0.21 | 0.10  | mg/Kg | ☼ | 07/01/21 15:01 | 07/05/21 22:28 | 1       |

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| Tetrachloro-m-xylene   | 131       |           | 60 - 154 | 07/01/21 15:01 | 07/05/21 22:28 | 1       |
| Tetrachloro-m-xylene   | 138       |           | 60 - 154 | 07/01/21 15:01 | 07/05/21 22:28 | 1       |
| DCB Decachlorobiphenyl | 133       |           | 65 - 174 | 07/01/21 15:01 | 07/05/21 22:28 | 1       |
| DCB Decachlorobiphenyl | 123       |           | 65 - 174 | 07/01/21 15:01 | 07/05/21 22:28 | 1       |

## Method: 6010C - Metals (ICP)

| Analyte   | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| Aluminum  | 12900  |           | 11.5 | 5.1   | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 18:38 | 1       |
| Antimony  | ND     |           | 17.3 | 0.46  | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 18:38 | 1       |
| Arsenic   | 3.8    |           | 2.3  | 0.46  | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 18:38 | 1       |
| Barium    | 76.5   | ^6+       | 0.58 | 0.13  | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 18:38 | 1       |
| Beryllium | 0.58   |           | 0.23 | 0.032 | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 18:38 | 1       |
| Cadmium   | 0.29   |           | 0.23 | 0.035 | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 18:38 | 1       |
| Calcium   | 52700  | B         | 57.7 | 3.8   | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 18:38 | 1       |
| Chromium  | 17.5   |           | 0.58 | 0.23  | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 18:38 | 1       |
| Cobalt    | 8.9    |           | 0.58 | 0.058 | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 18:38 | 1       |
| Copper    | 17.8   |           | 1.2  | 0.24  | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 18:38 | 1       |
| Iron      | 17000  | ^+        | 11.5 | 4.0   | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 18:38 | 1       |
| Lead      | 19.7   | B         | 1.2  | 0.28  | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 18:38 | 1       |
| Magnesium | 15200  |           | 23.1 | 1.1   | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 18:38 | 1       |
| Manganese | 447    | B         | 0.23 | 0.037 | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 18:38 | 1       |
| Nickel    | 20.9   |           | 5.8  | 0.27  | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 18:38 | 1       |
| Potassium | 3290   |           | 34.6 | 23.1  | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 18:38 | 1       |
| Selenium  | 1.0    | J         | 4.6  | 0.46  | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 18:38 | 1       |
| Silver    | ND     |           | 0.69 | 0.23  | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 18:38 | 1       |
| Sodium    | 221    |           | 162  | 15.0  | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 18:38 | 1       |
| Thallium  | ND     |           | 6.9  | 0.35  | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 18:38 | 1       |
| Vanadium  | 26.8   |           | 0.58 | 0.13  | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 18:38 | 1       |
| Zinc      | 62.4   |           | 2.3  | 0.74  | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 18:38 | 1       |

## Method: 7471B - Mercury (CVAA)

| Analyte | Result | Qualifier | RL    | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------|--------|-----------|-------|-------|-------|---|----------------|----------------|---------|
| Mercury | 0.057  |           | 0.050 | 0.012 | mg/Kg | ☼ | 07/01/21 13:35 | 07/01/21 15:43 | 1       |

Eurofins TestAmerica, Buffalo

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186368-1

**Client Sample ID: SS-02-0002**

**Date Collected: 06/22/21 10:32**

**Date Received: 06/22/21 12:15**

**Lab Sample ID: 480-186368-2**

**Matrix: Solid**

**Percent Solids: 42.6**

## Method: 6010C - Metals (ICP)

| Analyte   | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| Aluminum  | 24800  |           | 23.9 | 10.5  | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 18:42 | 1       |
| Antimony  | ND     |           | 35.8 | 0.96  | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 18:42 | 1       |
| Arsenic   | 7.7    |           | 4.8  | 0.96  | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 18:42 | 1       |
| Barium    | 142    | ^6+       | 1.2  | 0.26  | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 18:42 | 1       |
| Beryllium | 1.2    |           | 0.48 | 0.067 | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 18:42 | 1       |
| Cadmium   | 0.78   |           | 0.48 | 0.072 | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 18:42 | 1       |
| Calcium   | 90000  | B         | 119  | 7.9   | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 18:42 | 1       |
| Chromium  | 34.6   |           | 1.2  | 0.48  | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 18:42 | 1       |
| Cobalt    | 17.2   |           | 1.2  | 0.12  | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 18:42 | 1       |
| Copper    | 34.5   |           | 2.4  | 0.50  | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 18:42 | 1       |
| Iron      | 34300  | ^+        | 23.9 | 8.4   | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 18:42 | 1       |
| Lead      | 27.8   |           | 2.3  | 0.56  | mg/Kg | ☼ | 07/07/21 09:52 | 07/08/21 02:39 | 1       |
| Magnesium | 29100  |           | 47.8 | 2.2   | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 18:42 | 1       |
| Manganese | 1090   | B         | 0.48 | 0.076 | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 18:42 | 1       |
| Nickel    | 41.1   |           | 11.9 | 0.55  | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 18:42 | 1       |
| Potassium | 7150   |           | 71.7 | 47.8  | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 18:42 | 1       |
| Selenium  | 1.8    | J         | 9.6  | 0.96  | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 18:42 | 1       |
| Silver    | ND     |           | 1.4  | 0.48  | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 18:42 | 1       |
| Sodium    | 452    |           | 334  | 31.1  | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 18:42 | 1       |
| Thallium  | ND     |           | 14.3 | 0.72  | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 18:42 | 1       |
| Vanadium  | 52.9   |           | 1.2  | 0.26  | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 18:42 | 1       |
| Zinc      | 113    |           | 4.8  | 1.5   | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 18:42 | 1       |

## Method: 7471B - Mercury (CVAA)

| Analyte | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| Mercury | 0.90   |           | 0.12 | 0.028 | mg/Kg | ☼ | 07/01/21 13:35 | 07/01/21 15:47 | 1       |

**Client Sample ID: SS-04-0002**

**Date Collected: 06/22/21 10:15**

**Date Received: 06/22/21 12:15**

**Lab Sample ID: 480-186368-3**

**Matrix: Solid**

**Percent Solids: 68.2**

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

| Analyte                       | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|--------|-----------|------|------|-------|---|----------------|----------------|---------|
| Biphenyl                      | ND     |           | 240  | 36   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 22:10 | 1       |
| bis (2-chloroisopropyl) ether | ND     |           | 240  | 49   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 22:10 | 1       |
| 2,4,5-Trichlorophenol         | ND     |           | 240  | 66   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 22:10 | 1       |
| 2,4,6-Trichlorophenol         | ND     |           | 240  | 49   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 22:10 | 1       |
| 2,4-Dichlorophenol            | ND     |           | 240  | 26   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 22:10 | 1       |
| 2,4-Dimethylphenol            | ND     |           | 240  | 59   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 22:10 | 1       |
| 2,4-Dinitrophenol             | ND     |           | 2400 | 1100 | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 22:10 | 1       |
| 2,4-Dinitrotoluene            | ND     |           | 240  | 50   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 22:10 | 1       |
| 2,6-Dinitrotoluene            | ND     |           | 240  | 29   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 22:10 | 1       |
| 2-Chloronaphthalene           | ND     |           | 240  | 40   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 22:10 | 1       |
| 2-Chlorophenol                | ND     |           | 470  | 44   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 22:10 | 1       |
| 2-Methylnaphthalene           | ND     |           | 240  | 49   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 22:10 | 1       |
| 2-Methylphenol                | ND     |           | 240  | 29   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 22:10 | 1       |
| 2-Nitroaniline                | ND     |           | 470  | 36   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 22:10 | 1       |
| 2-Nitrophenol                 | ND     |           | 240  | 69   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 22:10 | 1       |
| 3,3'-Dichlorobenzidine        | ND     |           | 470  | 290  | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 22:10 | 1       |
| 3-Nitroaniline                | ND     |           | 470  | 67   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 22:10 | 1       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186368-1

Client Sample ID: SS-04-0002

Lab Sample ID: 480-186368-3

Date Collected: 06/22/21 10:15

Matrix: Solid

Date Received: 06/22/21 12:15

Percent Solids: 68.2

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

| Analyte                     | Result | Qualifier            | RL   | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|--------|----------------------|------|------|-------|---|----------------|----------------|---------|
| 4,6-Dinitro-2-methylphenol  | ND     |                      | 470  | 240  | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 22:10 | 1       |
| 4-Bromophenyl phenyl ether  | ND     |                      | 240  | 34   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 22:10 | 1       |
| 4-Chloro-3-methylphenol     | ND     |                      | 240  | 60   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 22:10 | 1       |
| 4-Chloroaniline             | ND     |                      | 240  | 60   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 22:10 | 1       |
| 4-Chlorophenyl phenyl ether | ND     |                      | 240  | 30   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 22:10 | 1       |
| 4-Methylphenol              | ND     |                      | 470  | 29   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 22:10 | 1       |
| 4-Nitroaniline              | ND     |                      | 470  | 130  | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 22:10 | 1       |
| 4-Nitrophenol               | ND     |                      | 470  | 170  | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 22:10 | 1       |
| Acenaphthene                | ND     |                      | 240  | 36   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 22:10 | 1       |
| Acenaphthylene              | ND     |                      | 240  | 31   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 22:10 | 1       |
| Acetophenone                | ND     |                      | 240  | 33   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 22:10 | 1       |
| Anthracene                  | ND     |                      | 240  | 60   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 22:10 | 1       |
| Atrazine                    | ND     |                      | 240  | 84   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 22:10 | 1       |
| Benzaldehyde                | ND     |                      | 240  | 190  | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 22:10 | 1       |
| Benzo(a)anthracene          | 140    | J                    | 240  | 24   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 22:10 | 1       |
| Benzo(a)pyrene              | 150    | J                    | 240  | 36   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 22:10 | 1       |
| Benzo(b)fluoranthene        | 190    | J                    | 240  | 39   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 22:10 | 1       |
| Benzo(g,h,i)perylene        | 110    | J                    | 240  | 26   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 22:10 | 1       |
| Benzo(k)fluoranthene        | 87     | J                    | 240  | 31   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 22:10 | 1       |
| Bis(2-chloroethoxy)methane  | ND     |                      | 240  | 52   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 22:10 | 1       |
| Bis(2-chloroethyl)ether     | ND     |                      | 240  | 31   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 22:10 | 1       |
| Bis(2-ethylhexyl) phthalate | 180    | J                    | 240  | 83   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 22:10 | 1       |
| Butyl benzyl phthalate      | ND     |                      | 240  | 40   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 22:10 | 1       |
| Caprolactam                 | ND     |                      | 240  | 73   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 22:10 | 1       |
| Carbazole                   | ND     |                      | 240  | 29   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 22:10 | 1       |
| Chrysene                    | 160    | J                    | 240  | 54   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 22:10 | 1       |
| Di-n-butyl phthalate        | 240    | <del>190</del> J-B U | 240  | 42   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 22:10 | 1       |
| Di-n-octyl phthalate        | ND     |                      | 240  | 29   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 22:10 | 1       |
| Dibenz(a,h)anthracene       | 44     | J                    | 240  | 43   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 22:10 | 1       |
| Dibenzofuran                | ND     |                      | 240  | 29   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 22:10 | 1       |
| Diethyl phthalate           | ND     |                      | 240  | 31   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 22:10 | 1       |
| Dimethyl phthalate          | ND     |                      | 240  | 29   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 22:10 | 1       |
| Fluoranthene                | 210    | J                    | 240  | 26   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 22:10 | 1       |
| Fluorene                    | ND     |                      | 240  | 29   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 22:10 | 1       |
| Hexachlorobenzene           | ND     |                      | 240  | 33   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 22:10 | 1       |
| Hexachlorobutadiene         | ND     |                      | 240  | 36   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 22:10 | 1       |
| Hexachlorocyclopentadiene   | ND     |                      | 240  | 33   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 22:10 | 1       |
| Hexachloroethane            | ND     |                      | 240  | 31   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 22:10 | 1       |
| Indeno(1,2,3-cd)pyrene      | 97     | J                    | 240  | 30   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 22:10 | 1       |
| Isophorone                  | ND     |                      | 240  | 52   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 22:10 | 1       |
| N-Nitrosodi-n-propylamine   | ND     |                      | 240  | 42   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 22:10 | 1       |
| N-Nitrosodiphenylamine      | ND     |                      | 240  | 200  | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 22:10 | 1       |
| Naphthalene                 | ND     |                      | 240  | 31   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 22:10 | 1       |
| Nitrobenzene                | ND     |                      | 240  | 27   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 22:10 | 1       |
| Pentachlorophenol           | ND     |                      | 470  | 240  | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 22:10 | 1       |
| Phenanthrene                | 96     | J                    | 240  | 36   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 22:10 | 1       |
| Phenol                      | ND     |                      | 240  | 37   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 22:10 | 1       |
| Pyrene                      | 180    | J                    | 240  | 29   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 22:10 | 1       |
| Benzoic acid                | ND     | *+                   | 6900 | 2100 | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 22:10 | 1       |

Eurofins TestAmerica, Buffalo

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186368-1

Client Sample ID: SS-04-0002

Lab Sample ID: 480-186368-3

Date Collected: 06/22/21 10:15

Matrix: Solid

Date Received: 06/22/21 12:15

Percent Solids: 68.2

| Surrogate            | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 2,4,6-Tribromophenol | 110       |           | 54 - 120 | 06/30/21 07:50 | 07/06/21 22:10 | 1       |
| 2-Fluorobiphenyl     | 87        |           | 60 - 120 | 06/30/21 07:50 | 07/06/21 22:10 | 1       |
| 2-Fluorophenol       | 67        |           | 52 - 120 | 06/30/21 07:50 | 07/06/21 22:10 | 1       |
| Nitrobenzene-d5      | 74        |           | 53 - 120 | 06/30/21 07:50 | 07/06/21 22:10 | 1       |
| p-Terphenyl-d14      | 115       |           | 79 - 130 | 06/30/21 07:50 | 07/06/21 22:10 | 1       |
| Phenol-d5            | 74        |           | 54 - 120 | 06/30/21 07:50 | 07/06/21 22:10 | 1       |

## Method: 8081B - Organochlorine Pesticides (GC)

| Analyte             | Result | Qualifier | RL  | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|--------|-----------|-----|-----|-------|---|----------------|----------------|---------|
| 4,4'-DDD            | 16     | J         | 24  | 4.7 | ug/Kg | ☼ | 06/29/21 07:46 | 07/01/21 08:54 | 10      |
| 4,4'-DDE            | 170    |           | 24  | 5.1 | ug/Kg | ☼ | 06/29/21 07:46 | 07/01/21 08:54 | 10      |
| 4,4'-DDT            | 150    |           | 24  | 5.7 | ug/Kg | ☼ | 06/29/21 07:46 | 07/01/21 08:54 | 10      |
| Aldrin              | ND     |           | 24  | 6.0 | ug/Kg | ☼ | 06/29/21 07:46 | 07/01/21 08:54 | 10      |
| alpha-BHC           | ND     |           | 24  | 4.4 | ug/Kg | ☼ | 06/29/21 07:46 | 07/01/21 08:54 | 10      |
| cis-Chlordane       | ND     |           | 24  | 12  | ug/Kg | ☼ | 06/29/21 07:46 | 07/01/21 08:54 | 10      |
| beta-BHC            | ND     |           | 24  | 4.4 | ug/Kg | ☼ | 06/29/21 07:46 | 07/01/21 08:54 | 10      |
| delta-BHC           | ND     |           | 24  | 4.5 | ug/Kg | ☼ | 06/29/21 07:46 | 07/01/21 08:54 | 10      |
| Dieldrin            | ND     |           | 24  | 5.8 | ug/Kg | ☼ | 06/29/21 07:46 | 07/01/21 08:54 | 10      |
| Endosulfan I        | ND     |           | 24  | 4.7 | ug/Kg | ☼ | 06/29/21 07:46 | 07/01/21 08:54 | 10      |
| Endosulfan II       | ND     |           | 24  | 4.4 | ug/Kg | ☼ | 06/29/21 07:46 | 07/01/21 08:54 | 10      |
| Endosulfan sulfate  | ND     |           | 24  | 4.5 | ug/Kg | ☼ | 06/29/21 07:46 | 07/01/21 08:54 | 10      |
| Endrin              | ND     |           | 24  | 4.8 | ug/Kg | ☼ | 06/29/21 07:46 | 07/01/21 08:54 | 10      |
| Endrin aldehyde     | ND     |           | 24  | 6.2 | ug/Kg | ☼ | 06/29/21 07:46 | 07/01/21 08:54 | 10      |
| Endrin ketone       | ND     |           | 24  | 6.0 | ug/Kg | ☼ | 06/29/21 07:46 | 07/01/21 08:54 | 10      |
| gamma-BHC (Lindane) | ND     |           | 24  | 4.5 | ug/Kg | ☼ | 06/29/21 07:46 | 07/01/21 08:54 | 10      |
| trans-Chlordane     | 15     | J         | 24  | 7.7 | ug/Kg | ☼ | 06/29/21 07:46 | 07/01/21 08:54 | 10      |
| Heptachlor          | ND     |           | 24  | 5.3 | ug/Kg | ☼ | 06/29/21 07:46 | 07/01/21 08:54 | 10      |
| Heptachlor epoxide  | ND     |           | 24  | 6.3 | ug/Kg | ☼ | 06/29/21 07:46 | 07/01/21 08:54 | 10      |
| Methoxychlor        | ND     |           | 24  | 4.9 | ug/Kg | ☼ | 06/29/21 07:46 | 07/01/21 08:54 | 10      |
| Toxaphene           | ND     |           | 240 | 140 | ug/Kg | ☼ | 06/29/21 07:46 | 07/01/21 08:54 | 10      |
| Mirex               | ND     |           | 24  | 5.9 | ug/Kg | ☼ | 06/29/21 07:46 | 07/01/21 08:54 | 10      |

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| DCB Decachlorobiphenyl | 98        |           | 45 - 120 | 06/29/21 07:46 | 07/01/21 08:54 | 10      |
| DCB Decachlorobiphenyl | 72        |           | 45 - 120 | 06/29/21 07:46 | 07/01/21 08:54 | 10      |
| Tetrachloro-m-xylene   | 0         | S1-       | 30 - 124 | 06/29/21 07:46 | 07/01/21 08:54 | 10      |
| Tetrachloro-m-xylene   | 0         | S1-       | 30 - 124 | 06/29/21 07:46 | 07/01/21 08:54 | 10      |

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

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| PCB-1016 | ND     |           | 0.31 | 0.061 | mg/Kg | ☼ | 07/01/21 15:01 | 07/05/21 22:41 | 1       |
| PCB-1221 | ND     |           | 0.31 | 0.061 | mg/Kg | ☼ | 07/01/21 15:01 | 07/05/21 22:41 | 1       |
| PCB-1232 | ND     |           | 0.31 | 0.061 | mg/Kg | ☼ | 07/01/21 15:01 | 07/05/21 22:41 | 1       |
| PCB-1242 | ND     |           | 0.31 | 0.061 | mg/Kg | ☼ | 07/01/21 15:01 | 07/05/21 22:41 | 1       |
| PCB-1248 | ND     |           | 0.31 | 0.061 | mg/Kg | ☼ | 07/01/21 15:01 | 07/05/21 22:41 | 1       |
| PCB-1254 | 0.28   | J         | 0.31 | 0.15  | mg/Kg | ☼ | 07/01/21 15:01 | 07/05/21 22:41 | 1       |
| PCB-1260 | ND     |           | 0.31 | 0.15  | mg/Kg | ☼ | 07/01/21 15:01 | 07/05/21 22:41 | 1       |
| PCB-1262 | ND     |           | 0.31 | 0.15  | mg/Kg | ☼ | 07/01/21 15:01 | 07/05/21 22:41 | 1       |
| PCB-1268 | ND     |           | 0.31 | 0.15  | mg/Kg | ☼ | 07/01/21 15:01 | 07/05/21 22:41 | 1       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186368-1

**Client Sample ID: SS-04-0002**

**Lab Sample ID: 480-186368-3**

**Date Collected: 06/22/21 10:15**

**Matrix: Solid**

**Date Received: 06/22/21 12:15**

**Percent Solids: 68.2**

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| Tetrachloro-m-xylene   | 117       |           | 60 - 154 | 07/01/21 15:01 | 07/05/21 22:41 | 1       |
| Tetrachloro-m-xylene   | 121       |           | 60 - 154 | 07/01/21 15:01 | 07/05/21 22:41 | 1       |
| DCB Decachlorobiphenyl | 111       |           | 65 - 174 | 07/01/21 15:01 | 07/05/21 22:41 | 1       |
| DCB Decachlorobiphenyl | 101       |           | 65 - 174 | 07/01/21 15:01 | 07/05/21 22:41 | 1       |

## Method: 6010C - Metals (ICP)

| Analyte   | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| Aluminum  | 10700  |           | 14.9 | 6.6   | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 18:57 | 1       |
| Antimony  | ND     |           | 22.4 | 0.60  | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 18:57 | 1       |
| Arsenic   | 5.8    |           | 3.0  | 0.60  | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 18:57 | 1       |
| Barium    | 95.7   | ^6+       | 0.75 | 0.16  | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 18:57 | 1       |
| Beryllium | 0.48   |           | 0.30 | 0.042 | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 18:57 | 1       |
| Cadmium   | 4.6    |           | 0.30 | 0.045 | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 18:57 | 1       |
| Calcium   | 31100  | B         | 74.6 | 4.9   | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 18:57 | 1       |
| Chromium  | 32.5   |           | 0.75 | 0.30  | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 18:57 | 1       |
| Cobalt    | 8.6    |           | 0.75 | 0.075 | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 18:57 | 1       |
| Copper    | 64.4   |           | 1.5  | 0.31  | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 18:57 | 1       |
| Iron      | 34700  | ^+        | 14.9 | 5.2   | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 18:57 | 1       |
| Lead      | 85.5   | B         | 1.5  | 0.36  | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 18:57 | 1       |
| Magnesium | 11600  |           | 29.8 | 1.4   | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 18:57 | 1       |
| Manganese | 461    | B         | 0.30 | 0.048 | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 18:57 | 1       |
| Nickel    | 32.3   |           | 7.5  | 0.34  | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 18:57 | 1       |
| Potassium | 2350   |           | 44.7 | 29.8  | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 18:57 | 1       |
| Selenium  | 3.2    | J         | 6.0  | 0.60  | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 18:57 | 1       |
| Silver    | 2.0    |           | 0.89 | 0.30  | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 18:57 | 1       |
| Sodium    | 160    | J         | 209  | 19.4  | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 18:57 | 1       |
| Thallium  | ND     |           | 8.9  | 0.45  | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 18:57 | 1       |
| Vanadium  | 24.6   |           | 0.75 | 0.16  | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 18:57 | 1       |
| Zinc      | 190    |           | 3.0  | 0.95  | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 18:57 | 1       |

## Method: 7471B - Mercury (CVAA)

| Analyte | Result | Qualifier | RL    | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------|--------|-----------|-------|-------|-------|---|----------------|----------------|---------|
| Mercury | 0.37   |           | 0.065 | 0.015 | mg/Kg | ☼ | 07/01/21 13:35 | 07/01/21 15:49 | 1       |

**Client Sample ID: SS-04-0212**

**Lab Sample ID: 480-186368-4**

**Date Collected: 06/22/21 10:20**

**Matrix: Solid**

**Date Received: 06/22/21 12:15**

**Percent Solids: 77.4**

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

| Analyte                       | Result | Qualifier | RL    | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|--------|-----------|-------|------|-------|---|----------------|----------------|---------|
| Biphenyl                      | ND     |           | 1100  | 160  | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 22:33 | 5       |
| bis (2-chloroisopropyl) ether | ND     |           | 1100  | 220  | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 22:33 | 5       |
| 2,4,5-Trichlorophenol         | ND     |           | 1100  | 300  | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 22:33 | 5       |
| 2,4,6-Trichlorophenol         | ND     |           | 1100  | 220  | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 22:33 | 5       |
| 2,4-Dichlorophenol            | ND     |           | 1100  | 120  | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 22:33 | 5       |
| 2,4-Dimethylphenol            | ND     |           | 1100  | 260  | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 22:33 | 5       |
| 2,4-Dinitrophenol             | ND     |           | 11000 | 5000 | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 22:33 | 5       |
| 2,4-Dinitrotoluene            | ND     |           | 1100  | 230  | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 22:33 | 5       |
| 2,6-Dinitrotoluene            | ND     |           | 1100  | 130  | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 22:33 | 5       |
| 2-Chloronaphthalene           | ND     |           | 1100  | 180  | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 22:33 | 5       |
| 2-Chlorophenol                | ND     |           | 2100  | 200  | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 22:33 | 5       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186368-1

Client Sample ID: SS-04-0212

Lab Sample ID: 480-186368-4

Date Collected: 06/22/21 10:20

Matrix: Solid

Date Received: 06/22/21 12:15

Percent Solids: 77.4

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

| Analyte                     | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|--------|-----------|------|------|-------|---|----------------|----------------|---------|
| 2-Methylnaphthalene         | ND     |           | 1100 | 220  | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 22:33 | 5       |
| 2-Methylphenol              | ND     |           | 1100 | 130  | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 22:33 | 5       |
| 2-Nitroaniline              | ND     |           | 2100 | 160  | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 22:33 | 5       |
| 2-Nitrophenol               | ND     |           | 1100 | 310  | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 22:33 | 5       |
| 3,3'-Dichlorobenzidine      | ND     |           | 2100 | 1300 | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 22:33 | 5       |
| 3-Nitroaniline              | ND     |           | 2100 | 300  | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 22:33 | 5       |
| 4,6-Dinitro-2-methylphenol  | ND     |           | 2100 | 1100 | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 22:33 | 5       |
| 4-Bromophenyl phenyl ether  | ND     |           | 1100 | 150  | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 22:33 | 5       |
| 4-Chloro-3-methylphenol     | ND     |           | 1100 | 270  | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 22:33 | 5       |
| 4-Chloroaniline             | ND     |           | 1100 | 270  | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 22:33 | 5       |
| 4-Chlorophenyl phenyl ether | ND     |           | 1100 | 140  | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 22:33 | 5       |
| 4-Methylphenol              | ND     |           | 2100 | 130  | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 22:33 | 5       |
| 4-Nitroaniline              | ND     |           | 2100 | 570  | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 22:33 | 5       |
| 4-Nitrophenol               | ND     |           | 2100 | 770  | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 22:33 | 5       |
| Acenaphthene                | ND     |           | 1100 | 160  | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 22:33 | 5       |
| Acenaphthylene              | ND     |           | 1100 | 140  | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 22:33 | 5       |
| Acetophenone                | ND     |           | 1100 | 150  | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 22:33 | 5       |
| Anthracene                  | ND     |           | 1100 | 270  | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 22:33 | 5       |
| Atrazine                    | ND     |           | 1100 | 380  | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 22:33 | 5       |
| Benzaldehyde                | ND     |           | 1100 | 870  | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 22:33 | 5       |
| Benzo(a)anthracene          | 260    | J         | 1100 | 110  | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 22:33 | 5       |
| Benzo(a)pyrene              | 250    | J         | 1100 | 160  | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 22:33 | 5       |
| Benzo(b)fluoranthene        | 320    | J         | 1100 | 170  | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 22:33 | 5       |
| Benzo(g,h,i)perylene        | 170    | J         | 1100 | 120  | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 22:33 | 5       |
| Benzo(k)fluoranthene        | 140    | J         | 1100 | 140  | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 22:33 | 5       |
| Bis(2-chloroethoxy)methane  | ND     |           | 1100 | 230  | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 22:33 | 5       |
| Bis(2-chloroethyl)ether     | ND     |           | 1100 | 140  | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 22:33 | 5       |
| Bis(2-ethylhexyl) phthalate | 490    | J         | 1100 | 370  | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 22:33 | 5       |
| Butyl benzyl phthalate      | ND     |           | 1100 | 180  | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 22:33 | 5       |
| Caprolactam                 | ND     |           | 1100 | 330  | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 22:33 | 5       |
| Carbazole                   | ND     |           | 1100 | 130  | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 22:33 | 5       |
| Chrysene                    | 330    | J         | 1100 | 240  | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 22:33 | 5       |
| Di-n-butyl phthalate        | ND     |           | 1100 | 190  | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 22:33 | 5       |
| Di-n-octyl phthalate        | ND     |           | 1100 | 130  | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 22:33 | 5       |
| Dibenz(a,h)anthracene       | ND     |           | 1100 | 190  | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 22:33 | 5       |
| Dibenzofuran                | ND     |           | 1100 | 130  | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 22:33 | 5       |
| Diethyl phthalate           | ND     |           | 1100 | 140  | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 22:33 | 5       |
| Dimethyl phthalate          | ND     |           | 1100 | 130  | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 22:33 | 5       |
| Fluoranthene                | 570    | J         | 1100 | 120  | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 22:33 | 5       |
| Fluorene                    | ND     |           | 1100 | 130  | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 22:33 | 5       |
| Hexachlorobenzene           | ND     |           | 1100 | 150  | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 22:33 | 5       |
| Hexachlorobutadiene         | ND     |           | 1100 | 160  | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 22:33 | 5       |
| Hexachlorocyclopentadiene   | ND     |           | 1100 | 150  | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 22:33 | 5       |
| Hexachloroethane            | ND     |           | 1100 | 140  | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 22:33 | 5       |
| Indeno(1,2,3-cd)pyrene      | 160    | J         | 1100 | 140  | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 22:33 | 5       |
| Isophorone                  | ND     |           | 1100 | 230  | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 22:33 | 5       |
| N-Nitrosodi-n-propylamine   | ND     |           | 1100 | 190  | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 22:33 | 5       |
| N-Nitrosodiphenylamine      | ND     |           | 1100 | 890  | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 22:33 | 5       |
| Naphthalene                 | ND     |           | 1100 | 140  | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 22:33 | 5       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186368-1

Client Sample ID: SS-04-0212

Lab Sample ID: 480-186368-4

Date Collected: 06/22/21 10:20

Matrix: Solid

Date Received: 06/22/21 12:15

Percent Solids: 77.4

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

| Analyte           | Result | Qualifier | RL    | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-------------------|--------|-----------|-------|------|-------|---|----------------|----------------|---------|
| Nitrobenzene      | ND     |           | 1100  | 120  | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 22:33 | 5       |
| Pentachlorophenol | ND     |           | 2100  | 1100 | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 22:33 | 5       |
| Phenanthrene      | 540    | J         | 1100  | 160  | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 22:33 | 5       |
| Phenol            | ND     |           | 1100  | 170  | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 22:33 | 5       |
| Pyrene            | 480    | J         | 1100  | 130  | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 22:33 | 5       |
| Benzoic acid      | ND     | *+        | 31000 | 9700 | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 22:33 | 5       |

| Surrogate            | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 2,4,6-Tribromophenol | 74        |           | 54 - 120 | 06/30/21 07:50 | 07/06/21 22:33 | 5       |
| 2-Fluorobiphenyl     | 75        |           | 60 - 120 | 06/30/21 07:50 | 07/06/21 22:33 | 5       |
| 2-Fluorophenol       | 63        |           | 52 - 120 | 06/30/21 07:50 | 07/06/21 22:33 | 5       |
| Nitrobenzene-d5      | 69        |           | 53 - 120 | 06/30/21 07:50 | 07/06/21 22:33 | 5       |
| p-Terphenyl-d14      | 82        |           | 79 - 130 | 06/30/21 07:50 | 07/06/21 22:33 | 5       |
| Phenol-d5            | 63        |           | 54 - 120 | 06/30/21 07:50 | 07/06/21 22:33 | 5       |

## Method: 8081B - Organochlorine Pesticides (GC)

| Analyte             | Result | Qualifier | RL   | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|--------|-----------|------|-----|-------|---|----------------|----------------|---------|
| 4,4'-DDD            | ND     |           | 110  | 20  | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 13:03 | 50      |
| 4,4'-DDE            | 200    |           | 110  | 22  | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 13:03 | 50      |
| 4,4'-DDT            | 230    |           | 110  | 25  | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 13:03 | 50      |
| Aldrin              | ND     |           | 110  | 26  | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 13:03 | 50      |
| alpha-BHC           | ND     |           | 110  | 19  | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 13:03 | 50      |
| cis-Chlordane       | ND     |           | 110  | 52  | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 13:03 | 50      |
| beta-BHC            | ND     |           | 110  | 19  | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 13:03 | 50      |
| delta-BHC           | ND     |           | 110  | 20  | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 13:03 | 50      |
| Dieldrin            | ND     |           | 110  | 25  | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 13:03 | 50      |
| Endosulfan I        | ND     |           | 110  | 20  | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 13:03 | 50      |
| Endosulfan II       | ND     |           | 110  | 19  | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 13:03 | 50      |
| Endosulfan sulfate  | ND     |           | 110  | 20  | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 13:03 | 50      |
| Endrin              | ND     |           | 110  | 21  | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 13:03 | 50      |
| Endrin aldehyde     | ND     |           | 110  | 27  | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 13:03 | 50      |
| Endrin ketone       | ND     |           | 110  | 26  | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 13:03 | 50      |
| gamma-BHC (Lindane) | ND     |           | 110  | 19  | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 13:03 | 50      |
| trans-Chlordane     | ND     |           | 110  | 33  | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 13:03 | 50      |
| Heptachlor          | ND     |           | 110  | 23  | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 13:03 | 50      |
| Heptachlor epoxide  | ND     |           | 110  | 27  | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 13:03 | 50      |
| Methoxychlor        | ND     |           | 110  | 21  | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 13:03 | 50      |
| Toxaphene           | ND     |           | 1100 | 610 | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 13:03 | 50      |
| Mirex               | ND     |           | 110  | 26  | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 13:03 | 50      |

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| DCB Decachlorobiphenyl | 0         | S1-       | 45 - 120 | 06/29/21 07:46 | 06/30/21 13:03 | 50      |
| DCB Decachlorobiphenyl | 0         | S1-       | 45 - 120 | 06/29/21 07:46 | 06/30/21 13:03 | 50      |
| Tetrachloro-m-xylene   | 0         | S1-       | 30 - 124 | 06/29/21 07:46 | 06/30/21 13:03 | 50      |
| Tetrachloro-m-xylene   | 0         | S1-       | 30 - 124 | 06/29/21 07:46 | 06/30/21 13:03 | 50      |

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

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| PCB-1016 | ND     |           | 0.26 | 0.051 | mg/Kg | ☼ | 07/01/21 15:01 | 07/05/21 22:54 | 1       |
| PCB-1221 | ND     |           | 0.26 | 0.051 | mg/Kg | ☼ | 07/01/21 15:01 | 07/05/21 22:54 | 1       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186368-1

Client Sample ID: SS-04-0212

Lab Sample ID: 480-186368-4

Date Collected: 06/22/21 10:20

Matrix: Solid

Date Received: 06/22/21 12:15

Percent Solids: 77.4

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

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| PCB-1232 | ND     |           | 0.26 | 0.051 | mg/Kg | ☼ | 07/01/21 15:01 | 07/05/21 22:54 | 1       |
| PCB-1242 | ND     |           | 0.26 | 0.051 | mg/Kg | ☼ | 07/01/21 15:01 | 07/05/21 22:54 | 1       |
| PCB-1248 | ND     |           | 0.26 | 0.051 | mg/Kg | ☼ | 07/01/21 15:01 | 07/05/21 22:54 | 1       |
| PCB-1254 | 0.43   |           | 0.26 | 0.12  | mg/Kg | ☼ | 07/01/21 15:01 | 07/05/21 22:54 | 1       |
| PCB-1260 | ND     |           | 0.26 | 0.12  | mg/Kg | ☼ | 07/01/21 15:01 | 07/05/21 22:54 | 1       |
| PCB-1262 | ND     |           | 0.26 | 0.12  | mg/Kg | ☼ | 07/01/21 15:01 | 07/05/21 22:54 | 1       |
| PCB-1268 | ND     |           | 0.26 | 0.12  | mg/Kg | ☼ | 07/01/21 15:01 | 07/05/21 22:54 | 1       |

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| Tetrachloro-m-xylene   | 129       |           | 60 - 154 | 07/01/21 15:01 | 07/05/21 22:54 | 1       |
| Tetrachloro-m-xylene   | 134       |           | 60 - 154 | 07/01/21 15:01 | 07/05/21 22:54 | 1       |
| DCB Decachlorobiphenyl | 131       |           | 65 - 174 | 07/01/21 15:01 | 07/05/21 22:54 | 1       |
| DCB Decachlorobiphenyl | 120       |           | 65 - 174 | 07/01/21 15:01 | 07/05/21 22:54 | 1       |

## Method: 6010C - Metals (ICP)

| Analyte   | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| Aluminum  | 15300  |           | 12.6 | 5.6   | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 19:01 | 1       |
| Antimony  | ND     |           | 19.0 | 0.51  | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 19:01 | 1       |
| Arsenic   | 4.7    |           | 2.5  | 0.51  | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 19:01 | 1       |
| Barium    | 116    | ^6+       | 0.63 | 0.14  | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 19:01 | 1       |
| Beryllium | 0.68   |           | 0.25 | 0.035 | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 19:01 | 1       |
| Cadmium   | 5.0    |           | 0.25 | 0.038 | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 19:01 | 1       |
| Calcium   | 39700  | B         | 63.2 | 4.2   | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 19:01 | 1       |
| Chromium  | 31.8   |           | 0.63 | 0.25  | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 19:01 | 1       |
| Cobalt    | 11.0   |           | 0.63 | 0.063 | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 19:01 | 1       |
| Copper    | 57.0   |           | 1.3  | 0.27  | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 19:01 | 1       |
| Iron      | 25800  | ^+        | 12.6 | 4.4   | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 19:01 | 1       |
| Lead      | 74.6   | B         | 1.3  | 0.30  | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 19:01 | 1       |
| Magnesium | 12300  |           | 25.3 | 1.2   | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 19:01 | 1       |
| Manganese | 480    | B         | 0.25 | 0.040 | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 19:01 | 1       |
| Nickel    | 37.3   |           | 6.3  | 0.29  | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 19:01 | 1       |
| Potassium | 3720   |           | 37.9 | 25.3  | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 19:01 | 1       |
| Selenium  | 2.1    | J         | 5.1  | 0.51  | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 19:01 | 1       |
| Silver    | 1.4    |           | 0.76 | 0.25  | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 19:01 | 1       |
| Sodium    | 209    |           | 177  | 16.4  | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 19:01 | 1       |
| Thallium  | ND     |           | 7.6  | 0.38  | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 19:01 | 1       |
| Vanadium  | 32.0   |           | 0.63 | 0.14  | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 19:01 | 1       |
| Zinc      | 157    |           | 2.5  | 0.81  | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 19:01 | 1       |

## Method: 7471B - Mercury (CVAA)

| Analyte | Result | Qualifier | RL    | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------|--------|-----------|-------|-------|-------|---|----------------|----------------|---------|
| Mercury | 0.47   |           | 0.061 | 0.014 | mg/Kg | ☼ | 07/01/21 13:35 | 07/01/21 15:50 | 1       |

Client Sample ID: SS-05-0002

Lab Sample ID: 480-186368-5

Date Collected: 06/22/21 10:00

Matrix: Solid

Date Received: 06/22/21 12:15

Percent Solids: 43.0

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

| Analyte                       | Result | Qualifier | RL  | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|--------|-----------|-----|-----|-------|---|----------------|----------------|---------|
| Biphenyl                      | ND     |           | 390 | 57  | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 22:57 | 1       |
| bis (2-chloroisopropyl) ether | ND     |           | 390 | 78  | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 22:57 | 1       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186368-1

Client Sample ID: SS-05-0002

Lab Sample ID: 480-186368-5

Date Collected: 06/22/21 10:00

Matrix: Solid

Date Received: 06/22/21 12:15

Percent Solids: 43.0

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

| Analyte                     | Result | Qualifier            | RL   | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|--------|----------------------|------|------|-------|---|----------------|----------------|---------|
| 2,4,5-Trichlorophenol       | ND     |                      | 390  | 110  | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 22:57 | 1       |
| 2,4,6-Trichlorophenol       | ND     |                      | 390  | 78   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 22:57 | 1       |
| 2,4-Dichlorophenol          | ND     |                      | 390  | 41   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 22:57 | 1       |
| 2,4-Dimethylphenol          | ND     |                      | 390  | 94   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 22:57 | 1       |
| 2,4-Dinitrophenol           | ND     |                      | 3800 | 1800 | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 22:57 | 1       |
| 2,4-Dinitrotoluene          | ND     |                      | 390  | 80   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 22:57 | 1       |
| 2,6-Dinitrotoluene          | ND     |                      | 390  | 46   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 22:57 | 1       |
| 2-Chloronaphthalene         | ND     |                      | 390  | 64   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 22:57 | 1       |
| 2-Chlorophenol              | ND     |                      | 750  | 71   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 22:57 | 1       |
| 2-Methylnaphthalene         | ND     |                      | 390  | 78   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 22:57 | 1       |
| 2-Methylphenol              | ND     |                      | 390  | 46   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 22:57 | 1       |
| 2-Nitroaniline              | ND     |                      | 750  | 57   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 22:57 | 1       |
| 2-Nitrophenol               | ND     |                      | 390  | 110  | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 22:57 | 1       |
| 3,3'-Dichlorobenzidine      | ND     |                      | 750  | 460  | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 22:57 | 1       |
| 3-Nitroaniline              | ND     |                      | 750  | 110  | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 22:57 | 1       |
| 4,6-Dinitro-2-methylphenol  | ND     |                      | 750  | 390  | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 22:57 | 1       |
| 4-Bromophenyl phenyl ether  | ND     |                      | 390  | 55   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 22:57 | 1       |
| 4-Chloro-3-methylphenol     | ND     |                      | 390  | 96   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 22:57 | 1       |
| 4-Chloroaniline             | ND     |                      | 390  | 96   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 22:57 | 1       |
| 4-Chlorophenyl phenyl ether | ND     |                      | 390  | 48   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 22:57 | 1       |
| 4-Methylphenol              | ND     |                      | 750  | 46   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 22:57 | 1       |
| 4-Nitroaniline              | ND     |                      | 750  | 200  | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 22:57 | 1       |
| 4-Nitrophenol               | ND     |                      | 750  | 270  | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 22:57 | 1       |
| Acenaphthene                | ND     |                      | 390  | 57   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 22:57 | 1       |
| Acenaphthylene              | ND     |                      | 390  | 50   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 22:57 | 1       |
| Acetophenone                | ND     |                      | 390  | 53   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 22:57 | 1       |
| Anthracene                  | ND     |                      | 390  | 96   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 22:57 | 1       |
| Atrazine                    | ND     |                      | 390  | 130  | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 22:57 | 1       |
| Benzaldehyde                | ND     |                      | 390  | 310  | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 22:57 | 1       |
| Benzo(a)anthracene          | ND     |                      | 390  | 39   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 22:57 | 1       |
| Benzo(a)pyrene              | ND     |                      | 390  | 57   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 22:57 | 1       |
| Benzo(b)fluoranthene        | ND     |                      | 390  | 62   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 22:57 | 1       |
| Benzo(g,h,i)perylene        | ND     |                      | 390  | 41   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 22:57 | 1       |
| Benzo(k)fluoranthene        | ND     |                      | 390  | 50   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 22:57 | 1       |
| Bis(2-chloroethoxy)methane  | ND     |                      | 390  | 82   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 22:57 | 1       |
| Bis(2-chloroethyl)ether     | ND     |                      | 390  | 50   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 22:57 | 1       |
| Bis(2-ethylhexyl) phthalate | ND     |                      | 390  | 130  | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 22:57 | 1       |
| Butyl benzyl phthalate      | ND     |                      | 390  | 64   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 22:57 | 1       |
| Caprolactam                 | ND     |                      | 390  | 120  | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 22:57 | 1       |
| Carbazole                   | ND     |                      | 390  | 46   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 22:57 | 1       |
| Chrysene                    | ND     |                      | 390  | 87   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 22:57 | 1       |
| Di-n-butyl phthalate        | 390    | <del>190</del> J-B U | 390  | 66   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 22:57 | 1       |
| Di-n-octyl phthalate        | ND     |                      | 390  | 46   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 22:57 | 1       |
| Dibenz(a,h)anthracene       | ND     |                      | 390  | 69   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 22:57 | 1       |
| Dibenzofuran                | ND     |                      | 390  | 46   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 22:57 | 1       |
| Diethyl phthalate           | ND     |                      | 390  | 50   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 22:57 | 1       |
| Dimethyl phthalate          | ND     |                      | 390  | 46   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 22:57 | 1       |
| Fluoranthene                | 56 J   |                      | 390  | 41   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 22:57 | 1       |
| Fluorene                    | ND     |                      | 390  | 46   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 22:57 | 1       |

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ALH 8/3/21

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186368-1

Client Sample ID: SS-05-0002

Lab Sample ID: 480-186368-5

Date Collected: 06/22/21 10:00

Matrix: Solid

Date Received: 06/22/21 12:15

Percent Solids: 43.0

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

| Analyte                   | Result | Qualifier | RL    | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------------|--------|-----------|-------|------|-------|---|----------------|----------------|---------|
| Hexachlorobenzene         | ND     |           | 390   | 53   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 22:57 | 1       |
| Hexachlorobutadiene       | ND     |           | 390   | 57   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 22:57 | 1       |
| Hexachlorocyclopentadiene | ND     |           | 390   | 53   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 22:57 | 1       |
| Hexachloroethane          | ND     |           | 390   | 50   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 22:57 | 1       |
| Indeno(1,2,3-cd)pyrene    | ND     |           | 390   | 48   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 22:57 | 1       |
| Isophorone                | ND     |           | 390   | 82   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 22:57 | 1       |
| N-Nitrosodi-n-propylamine | ND     |           | 390   | 66   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 22:57 | 1       |
| N-Nitrosodiphenylamine    | ND     |           | 390   | 320  | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 22:57 | 1       |
| Naphthalene               | ND     |           | 390   | 50   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 22:57 | 1       |
| Nitrobenzene              | ND     |           | 390   | 43   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 22:57 | 1       |
| Pentachlorophenol         | ND     |           | 750   | 390  | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 22:57 | 1       |
| Phenanthrene              | ND     |           | 390   | 57   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 22:57 | 1       |
| Phenol                    | ND     |           | 390   | 59   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 22:57 | 1       |
| Pyrene                    | 56     | J         | 390   | 46   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 22:57 | 1       |
| Benzoic acid              | ND     | *+        | 11000 | 3400 | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 22:57 | 1       |

| Surrogate            | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 2,4,6-Tribromophenol | 103       |           | 54 - 120 | 06/30/21 07:50 | 07/06/21 22:57 | 1       |
| 2-Fluorobiphenyl     | 84        |           | 60 - 120 | 06/30/21 07:50 | 07/06/21 22:57 | 1       |
| 2-Fluorophenol       | 71        |           | 52 - 120 | 06/30/21 07:50 | 07/06/21 22:57 | 1       |
| Nitrobenzene-d5      | 76        |           | 53 - 120 | 06/30/21 07:50 | 07/06/21 22:57 | 1       |
| p-Terphenyl-d14      | 107       |           | 79 - 130 | 06/30/21 07:50 | 07/06/21 22:57 | 1       |
| Phenol-d5            | 79        |           | 54 - 120 | 06/30/21 07:50 | 07/06/21 22:57 | 1       |

## Method: 8081B - Organochlorine Pesticides (GC)

| Analyte             | Result | Qualifier | RL  | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|--------|-----------|-----|------|-------|---|----------------|----------------|---------|
| 4,4'-DDD            | ND     |           | 3.8 | 0.74 | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 13:23 | 1       |
| 4,4'-DDE            | ND     |           | 3.8 | 0.80 | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 13:23 | 1       |
| 4,4'-DDT            | ND     |           | 3.8 | 0.89 | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 13:23 | 1       |
| Aldrin              | ND     |           | 3.8 | 0.94 | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 13:23 | 1       |
| alpha-BHC           | ND     |           | 3.8 | 0.69 | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 13:23 | 1       |
| cis-Chlordane       | ND     |           | 3.8 | 1.9  | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 13:23 | 1       |
| beta-BHC            | 3.5    | J         | 3.8 | 0.69 | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 13:23 | 1       |
| delta-BHC           | ND     |           | 3.8 | 0.71 | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 13:23 | 1       |
| Dieldrin            | ND     |           | 3.8 | 0.91 | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 13:23 | 1       |
| Endosulfan I        | ND     |           | 3.8 | 0.73 | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 13:23 | 1       |
| Endosulfan II       | ND     |           | 3.8 | 0.69 | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 13:23 | 1       |
| Endosulfan sulfate  | ND     |           | 3.8 | 0.71 | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 13:23 | 1       |
| Endrin              | ND     |           | 3.8 | 0.75 | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 13:23 | 1       |
| Endrin aldehyde     | 4.3    |           | 3.8 | 0.97 | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 13:23 | 1       |
| Endrin ketone       | ND     |           | 3.8 | 0.94 | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 13:23 | 1       |
| gamma-BHC (Lindane) | ND     |           | 3.8 | 0.70 | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 13:23 | 1       |
| trans-Chlordane     | 1.2    | J R       | 3.8 | 1.2  | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 13:23 | 1       |
| Heptachlor          | ND     |           | 3.8 | 0.82 | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 13:23 | 1       |
| Heptachlor epoxide  | ND     |           | 3.8 | 0.98 | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 13:23 | 1       |
| Methoxychlor        | ND     |           | 3.8 | 0.78 | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 13:23 | 1       |
| Toxaphene           | ND     |           | 38  | 22   | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 13:23 | 1       |
| Mirex               | ND     |           | 3.8 | 0.93 | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 13:23 | 1       |

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ALH 8/3/21

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186368-1

**Client Sample ID: SS-05-0002**

**Lab Sample ID: 480-186368-5**

**Date Collected: 06/22/21 10:00**

**Matrix: Solid**

**Date Received: 06/22/21 12:15**

**Percent Solids: 43.0**

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| DCB Decachlorobiphenyl | 92        |           | 45 - 120 | 06/29/21 07:46 | 06/30/21 13:23 | 1       |
| DCB Decachlorobiphenyl | 108       |           | 45 - 120 | 06/29/21 07:46 | 06/30/21 13:23 | 1       |
| Tetrachloro-m-xylene   | 86        |           | 30 - 124 | 06/29/21 07:46 | 06/30/21 13:23 | 1       |
| Tetrachloro-m-xylene   | 78        |           | 30 - 124 | 06/29/21 07:46 | 06/30/21 13:23 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| PCB-1016 | ND     |           | 0.47 | 0.092 | mg/Kg | ☼ | 07/01/21 15:01 | 07/05/21 23:07 | 1       |
| PCB-1221 | ND     |           | 0.47 | 0.092 | mg/Kg | ☼ | 07/01/21 15:01 | 07/05/21 23:07 | 1       |
| PCB-1232 | ND     |           | 0.47 | 0.092 | mg/Kg | ☼ | 07/01/21 15:01 | 07/05/21 23:07 | 1       |
| PCB-1242 | ND     |           | 0.47 | 0.092 | mg/Kg | ☼ | 07/01/21 15:01 | 07/05/21 23:07 | 1       |
| PCB-1248 | ND     |           | 0.47 | 0.092 | mg/Kg | ☼ | 07/01/21 15:01 | 07/05/21 23:07 | 1       |
| PCB-1254 | ND     |           | 0.47 | 0.22  | mg/Kg | ☼ | 07/01/21 15:01 | 07/05/21 23:07 | 1       |
| PCB-1260 | ND     |           | 0.47 | 0.22  | mg/Kg | ☼ | 07/01/21 15:01 | 07/05/21 23:07 | 1       |
| PCB-1262 | ND     |           | 0.47 | 0.22  | mg/Kg | ☼ | 07/01/21 15:01 | 07/05/21 23:07 | 1       |
| PCB-1268 | ND     |           | 0.47 | 0.22  | mg/Kg | ☼ | 07/01/21 15:01 | 07/05/21 23:07 | 1       |

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| Tetrachloro-m-xylene   | 129       |           | 60 - 154 | 07/01/21 15:01 | 07/05/21 23:07 | 1       |
| Tetrachloro-m-xylene   | 131       |           | 60 - 154 | 07/01/21 15:01 | 07/05/21 23:07 | 1       |
| DCB Decachlorobiphenyl | 113       |           | 65 - 174 | 07/01/21 15:01 | 07/05/21 23:07 | 1       |
| DCB Decachlorobiphenyl | 109       |           | 65 - 174 | 07/01/21 15:01 | 07/05/21 23:07 | 1       |

## Method: 6010C - Metals (ICP)

| Analyte   | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| Aluminum  | 4280   |           | 24.7 | 10.9  | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 19:04 | 1       |
| Antimony  | ND     |           | 37.1 | 0.99  | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 19:04 | 1       |
| Arsenic   | 2.4    | J         | 4.9  | 0.99  | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 19:04 | 1       |
| Barium    | 62.7   | ^6+       | 1.2  | 0.27  | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 19:04 | 1       |
| Beryllium | 0.21   | J         | 0.49 | 0.069 | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 19:04 | 1       |
| Cadmium   | 3.4    |           | 0.49 | 0.074 | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 19:04 | 1       |
| Calcium   | 64100  | B         | 124  | 8.2   | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 19:04 | 1       |
| Chromium  | 21.6   |           | 1.2  | 0.49  | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 19:04 | 1       |
| Cobalt    | 6.1    |           | 1.2  | 0.12  | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 19:04 | 1       |
| Copper    | 28.3   |           | 2.5  | 0.52  | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 19:04 | 1       |
| Iron      | 17500  | ^+        | 24.7 | 8.7   | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 19:04 | 1       |
| Lead      | 45.7   | B         | 2.5  | 0.59  | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 19:04 | 1       |
| Magnesium | 6680   |           | 49.4 | 2.3   | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 19:04 | 1       |
| Manganese | 255    | B         | 0.49 | 0.079 | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 19:04 | 1       |
| Nickel    | 23.3   |           | 12.4 | 0.57  | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 19:04 | 1       |
| Potassium | 1460   |           | 74.1 | 49.4  | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 19:04 | 1       |
| Selenium  | 1.4    | J         | 9.9  | 0.99  | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 19:04 | 1       |
| Silver    | 0.75   | J         | 1.5  | 0.49  | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 19:04 | 1       |
| Sodium    | 221    | J         | 346  | 32.1  | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 19:04 | 1       |
| Thallium  | ND     |           | 14.8 | 0.74  | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 19:04 | 1       |
| Vanadium  | 11.8   |           | 1.2  | 0.27  | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 19:04 | 1       |
| Zinc      | 272    |           | 4.9  | 1.6   | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 19:04 | 1       |

## Method: 7471B - Mercury (CVAA)

| Analyte | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| Mercury | 0.21   |           | 0.13 | 0.030 | mg/Kg | ☼ | 07/01/21 13:35 | 07/01/21 15:51 | 1       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186368-1

Client Sample ID: SS-05-0212

Lab Sample ID: 480-186368-6

Date Collected: 06/22/21 10:05

Matrix: Solid

Date Received: 06/22/21 12:15

Percent Solids: 68.3

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

| Analyte                       | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|--------|-----------|------|------|-------|---|----------------|----------------|---------|
| Biphenyl                      | ND     |           | 250  | 36   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 23:21 | 1       |
| bis (2-chloroisopropyl) ether | ND     |           | 250  | 50   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 23:21 | 1       |
| 2,4,5-Trichlorophenol         | ND     |           | 250  | 67   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 23:21 | 1       |
| 2,4,6-Trichlorophenol         | ND     |           | 250  | 50   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 23:21 | 1       |
| 2,4-Dichlorophenol            | ND     |           | 250  | 26   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 23:21 | 1       |
| 2,4-Dimethylphenol            | ND     |           | 250  | 60   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 23:21 | 1       |
| 2,4-Dinitrophenol             | ND     |           | 2400 | 1100 | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 23:21 | 1       |
| 2,4-Dinitrotoluene            | ND     |           | 250  | 51   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 23:21 | 1       |
| 2,6-Dinitrotoluene            | ND     |           | 250  | 29   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 23:21 | 1       |
| 2-Chloronaphthalene           | ND     |           | 250  | 41   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 23:21 | 1       |
| 2-Chlorophenol                | ND     |           | 480  | 45   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 23:21 | 1       |
| 2-Methylnaphthalene           | ND     |           | 250  | 50   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 23:21 | 1       |
| 2-Methylphenol                | ND     |           | 250  | 29   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 23:21 | 1       |
| 2-Nitroaniline                | ND     |           | 480  | 36   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 23:21 | 1       |
| 2-Nitrophenol                 | ND     |           | 250  | 70   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 23:21 | 1       |
| 3,3'-Dichlorobenzidine        | ND     |           | 480  | 290  | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 23:21 | 1       |
| 3-Nitroaniline                | ND     |           | 480  | 69   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 23:21 | 1       |
| 4,6-Dinitro-2-methylphenol    | ND     |           | 480  | 250  | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 23:21 | 1       |
| 4-Bromophenyl phenyl ether    | ND     |           | 250  | 35   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 23:21 | 1       |
| 4-Chloro-3-methylphenol       | ND     |           | 250  | 61   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 23:21 | 1       |
| 4-Chloroaniline               | ND     |           | 250  | 61   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 23:21 | 1       |
| 4-Chlorophenyl phenyl ether   | ND     |           | 250  | 31   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 23:21 | 1       |
| 4-Methylphenol                | ND     |           | 480  | 29   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 23:21 | 1       |
| 4-Nitroaniline                | ND     |           | 480  | 130  | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 23:21 | 1       |
| 4-Nitrophenol                 | ND     |           | 480  | 170  | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 23:21 | 1       |
| Acenaphthene                  | ND     |           | 250  | 36   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 23:21 | 1       |
| Acenaphthylene                | ND     |           | 250  | 32   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 23:21 | 1       |
| Acetophenone                  | ND     |           | 250  | 34   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 23:21 | 1       |
| Anthracene                    | ND     |           | 250  | 61   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 23:21 | 1       |
| Atrazine                      | ND     |           | 250  | 86   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 23:21 | 1       |
| Benzaldehyde                  | ND     |           | 250  | 200  | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 23:21 | 1       |
| Benzo(a)anthracene            | ND     |           | 250  | 25   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 23:21 | 1       |
| Benzo(a)pyrene                | ND     |           | 250  | 36   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 23:21 | 1       |
| Benzo(b)fluoranthene          | ND     |           | 250  | 39   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 23:21 | 1       |
| Benzo(g,h,i)perylene          | ND     |           | 250  | 26   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 23:21 | 1       |
| Benzo(k)fluoranthene          | ND     |           | 250  | 32   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 23:21 | 1       |
| Bis(2-chloroethoxy)methane    | ND     |           | 250  | 52   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 23:21 | 1       |
| Bis(2-chloroethyl)ether       | ND     |           | 250  | 32   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 23:21 | 1       |
| Bis(2-ethylhexyl) phthalate   | ND     |           | 250  | 85   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 23:21 | 1       |
| Butyl benzyl phthalate        | ND     |           | 250  | 41   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 23:21 | 1       |
| Caprolactam                   | ND     |           | 250  | 74   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 23:21 | 1       |
| Carbazole                     | ND     |           | 250  | 29   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 23:21 | 1       |
| Chrysene                      | ND     |           | 250  | 55   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 23:21 | 1       |
| Di-n-butyl phthalate          | 250    | J-B- U    | 250  | 42   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 23:21 | 1       |
| Di-n-octyl phthalate          | ND     |           | 250  | 29   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 23:21 | 1       |
| Dibenz(a,h)anthracene         | ND     |           | 250  | 44   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 23:21 | 1       |
| Dibenzofuran                  | ND     |           | 250  | 29   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 23:21 | 1       |
| Diethyl phthalate             | ND     |           | 250  | 32   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 23:21 | 1       |
| Dimethyl phthalate            | ND     |           | 250  | 29   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 23:21 | 1       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186368-1

Client Sample ID: SS-05-0212

Lab Sample ID: 480-186368-6

Date Collected: 06/22/21 10:05

Matrix: Solid

Date Received: 06/22/21 12:15

Percent Solids: 68.3

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

| Analyte                   | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------------|--------|-----------|------|------|-------|---|----------------|----------------|---------|
| Fluoranthene              | ND     |           | 250  | 26   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 23:21 | 1       |
| Fluorene                  | ND     |           | 250  | 29   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 23:21 | 1       |
| Hexachlorobenzene         | ND     |           | 250  | 34   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 23:21 | 1       |
| Hexachlorobutadiene       | ND     |           | 250  | 36   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 23:21 | 1       |
| Hexachlorocyclopentadiene | ND     |           | 250  | 34   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 23:21 | 1       |
| Hexachloroethane          | ND     |           | 250  | 32   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 23:21 | 1       |
| Indeno(1,2,3-cd)pyrene    | ND     |           | 250  | 31   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 23:21 | 1       |
| Isophorone                | ND     |           | 250  | 52   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 23:21 | 1       |
| N-Nitrosodi-n-propylamine | ND     |           | 250  | 42   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 23:21 | 1       |
| N-Nitrosodiphenylamine    | ND     |           | 250  | 200  | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 23:21 | 1       |
| Naphthalene               | ND     |           | 250  | 32   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 23:21 | 1       |
| Nitrobenzene              | ND     |           | 250  | 28   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 23:21 | 1       |
| Pentachlorophenol         | ND     |           | 480  | 250  | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 23:21 | 1       |
| Phenanthrene              | ND     |           | 250  | 36   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 23:21 | 1       |
| Phenol                    | ND     |           | 250  | 38   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 23:21 | 1       |
| Pyrene                    | ND     |           | 250  | 29   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 23:21 | 1       |
| Benzoic acid              | ND     | *+        | 7000 | 2200 | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 23:21 | 1       |

| Surrogate            | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 2,4,6-Tribromophenol | 85        |           | 54 - 120 | 06/30/21 07:50 | 07/06/21 23:21 | 1       |
| 2-Fluorobiphenyl     | 71        |           | 60 - 120 | 06/30/21 07:50 | 07/06/21 23:21 | 1       |
| 2-Fluorophenol       | 64        |           | 52 - 120 | 06/30/21 07:50 | 07/06/21 23:21 | 1       |
| Nitrobenzene-d5      | 67        |           | 53 - 120 | 06/30/21 07:50 | 07/06/21 23:21 | 1       |
| p-Terphenyl-d14      | 92        |           | 79 - 130 | 06/30/21 07:50 | 07/06/21 23:21 | 1       |
| Phenol-d5            | 67        |           | 54 - 120 | 06/30/21 07:50 | 07/06/21 23:21 | 1       |

## Method: 8081B - Organochlorine Pesticides (GC)

| Analyte             | Result | Qualifier | RL  | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|--------|-----------|-----|------|-------|---|----------------|----------------|---------|
| 4,4'-DDD            | ND     |           | 2.4 | 0.46 | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 13:43 | 1       |
| 4,4'-DDE            | 0.93   | J         | 2.4 | 0.50 | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 13:43 | 1       |
| 4,4'-DDT            | ND     |           | 2.4 | 0.56 | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 13:43 | 1       |
| Aldrin              | ND     |           | 2.4 | 0.59 | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 13:43 | 1       |
| alpha-BHC           | ND     |           | 2.4 | 0.43 | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 13:43 | 1       |
| cis-Chlordane       | ND     |           | 2.4 | 1.2  | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 13:43 | 1       |
| beta-BHC            | 1.5    | J R       | 2.4 | 0.43 | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 13:43 | 1       |
| delta-BHC           | ND     |           | 2.4 | 0.44 | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 13:43 | 1       |
| Dieldrin            | ND     |           | 2.4 | 0.57 | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 13:43 | 1       |
| Endosulfan I        | ND     |           | 2.4 | 0.46 | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 13:43 | 1       |
| Endosulfan II       | ND     |           | 2.4 | 0.43 | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 13:43 | 1       |
| Endosulfan sulfate  | ND     |           | 2.4 | 0.45 | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 13:43 | 1       |
| Endrin              | ND     |           | 2.4 | 0.47 | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 13:43 | 1       |
| Endrin aldehyde     | 2.6    |           | 2.4 | 0.61 | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 13:43 | 1       |
| Endrin ketone       | ND     |           | 2.4 | 0.59 | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 13:43 | 1       |
| gamma-BHC (Lindane) | ND     |           | 2.4 | 0.44 | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 13:43 | 1       |
| trans-Chlordane     | ND     |           | 2.4 | 0.76 | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 13:43 | 1       |
| Heptachlor          | 4.9    | J         | 2.4 | 0.52 | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 13:43 | 1       |
| Heptachlor epoxide  | ND     |           | 2.4 | 0.62 | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 13:43 | 1       |
| Methoxychlor        | ND     |           | 2.4 | 0.49 | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 13:43 | 1       |
| Toxaphene           | ND     |           | 24  | 14   | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 13:43 | 1       |
| Mirex               | ND     |           | 2.4 | 0.59 | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 13:43 | 1       |

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ALH 8/3/21

07/20/2021



# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186368-1

Client Sample ID: SS-05-0212

Lab Sample ID: 480-186368-6

Date Collected: 06/22/21 10:05

Matrix: Solid

Date Received: 06/22/21 12:15

Percent Solids: 68.3

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| DCB Decachlorobiphenyl | 86        |           | 45 - 120 | 06/29/21 07:46 | 06/30/21 13:43 | 1       |
| DCB Decachlorobiphenyl | 79        |           | 45 - 120 | 06/29/21 07:46 | 06/30/21 13:43 | 1       |
| Tetrachloro-m-xylene   | 71        |           | 30 - 124 | 06/29/21 07:46 | 06/30/21 13:43 | 1       |
| Tetrachloro-m-xylene   | 68        |           | 30 - 124 | 06/29/21 07:46 | 06/30/21 13:43 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| PCB-1016 | ND     |           | 0.35 | 0.068 | mg/Kg | ☼ | 07/01/21 15:01 | 07/05/21 23:19 | 1       |
| PCB-1221 | ND     |           | 0.35 | 0.068 | mg/Kg | ☼ | 07/01/21 15:01 | 07/05/21 23:19 | 1       |
| PCB-1232 | ND     |           | 0.35 | 0.068 | mg/Kg | ☼ | 07/01/21 15:01 | 07/05/21 23:19 | 1       |
| PCB-1242 | ND     |           | 0.35 | 0.068 | mg/Kg | ☼ | 07/01/21 15:01 | 07/05/21 23:19 | 1       |
| PCB-1248 | ND     |           | 0.35 | 0.068 | mg/Kg | ☼ | 07/01/21 15:01 | 07/05/21 23:19 | 1       |
| PCB-1254 | ND     |           | 0.35 | 0.16  | mg/Kg | ☼ | 07/01/21 15:01 | 07/05/21 23:19 | 1       |
| PCB-1260 | ND     |           | 0.35 | 0.16  | mg/Kg | ☼ | 07/01/21 15:01 | 07/05/21 23:19 | 1       |
| PCB-1262 | ND     |           | 0.35 | 0.16  | mg/Kg | ☼ | 07/01/21 15:01 | 07/05/21 23:19 | 1       |
| PCB-1268 | ND     |           | 0.35 | 0.16  | mg/Kg | ☼ | 07/01/21 15:01 | 07/05/21 23:19 | 1       |

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| Tetrachloro-m-xylene   | 130       |           | 60 - 154 | 07/01/21 15:01 | 07/05/21 23:19 | 1       |
| Tetrachloro-m-xylene   | 133       |           | 60 - 154 | 07/01/21 15:01 | 07/05/21 23:19 | 1       |
| DCB Decachlorobiphenyl | 123       |           | 65 - 174 | 07/01/21 15:01 | 07/05/21 23:19 | 1       |
| DCB Decachlorobiphenyl | 119       |           | 65 - 174 | 07/01/21 15:01 | 07/05/21 23:19 | 1       |

## Method: 6010C - Metals (ICP)

| Analyte   | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| Aluminum  | 6350   |           | 15.3 | 6.7   | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 19:08 | 1       |
| Antimony  | ND     |           | 22.9 | 0.61  | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 19:08 | 1       |
| Arsenic   | 1.9    | J         | 3.1  | 0.61  | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 19:08 | 1       |
| Barium    | 57.5   | ^6+       | 0.76 | 0.17  | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 19:08 | 1       |
| Beryllium | 0.31   |           | 0.31 | 0.043 | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 19:08 | 1       |
| Cadmium   | 0.75   |           | 0.31 | 0.046 | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 19:08 | 1       |
| Calcium   | 46200  | B         | 76.3 | 5.0   | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 19:08 | 1       |
| Chromium  | 12.8   |           | 0.76 | 0.31  | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 19:08 | 1       |
| Cobalt    | 5.4    |           | 0.76 | 0.076 | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 19:08 | 1       |
| Copper    | 12.6   |           | 1.5  | 0.32  | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 19:08 | 1       |
| Iron      | 16000  | ^+        | 15.3 | 5.3   | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 19:08 | 1       |
| Lead      | 30.0   |           | 1.4  | 0.34  | mg/Kg | ☼ | 07/07/21 09:52 | 07/08/21 02:43 | 1       |
| Magnesium | 12100  |           | 30.5 | 1.4   | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 19:08 | 1       |
| Manganese | 340    | B         | 0.31 | 0.049 | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 19:08 | 1       |
| Nickel    | 14.4   |           | 7.6  | 0.35  | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 19:08 | 1       |
| Potassium | 1350   |           | 45.8 | 30.5  | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 19:08 | 1       |
| Selenium  | 0.82   | J         | 6.1  | 0.61  | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 19:08 | 1       |
| Silver    | ND     |           | 0.92 | 0.31  | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 19:08 | 1       |
| Sodium    | 164    | J         | 214  | 19.8  | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 19:08 | 1       |
| Thallium  | ND     |           | 9.2  | 0.46  | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 19:08 | 1       |
| Vanadium  | 15.2   |           | 0.76 | 0.17  | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 19:08 | 1       |
| Zinc      | 82.4   |           | 3.1  | 0.98  | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 19:08 | 1       |

## Method: 7471B - Mercury (CVAA)

| Analyte | Result | Qualifier | RL    | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------|--------|-----------|-------|-------|-------|---|----------------|----------------|---------|
| Mercury | ND     |           | 0.070 | 0.016 | mg/Kg | ☼ | 07/01/21 13:35 | 07/01/21 15:52 | 1       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186368-1

Client Sample ID: SS-06-0002

Lab Sample ID: 480-186368-7

Date Collected: 06/22/21 09:45

Matrix: Solid

Date Received: 06/22/21 12:15

Percent Solids: 70.7

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

| Analyte                       | Result | Qualifier   | RL   | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|--------|-------------|------|------|-------|---|----------------|----------------|---------|
| Biphenyl                      | ND     |             | 230  | 34   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 23:44 | 1       |
| bis (2-chloroisopropyl) ether | ND     |             | 230  | 47   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 23:44 | 1       |
| 2,4,5-Trichlorophenol         | ND     |             | 230  | 63   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 23:44 | 1       |
| 2,4,6-Trichlorophenol         | ND     |             | 230  | 47   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 23:44 | 1       |
| 2,4-Dichlorophenol            | ND     |             | 230  | 25   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 23:44 | 1       |
| 2,4-Dimethylphenol            | ND     |             | 230  | 56   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 23:44 | 1       |
| 2,4-Dinitrophenol             | ND     |             | 2300 | 1100 | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 23:44 | 1       |
| 2,4-Dinitrotoluene            | ND     |             | 230  | 48   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 23:44 | 1       |
| 2,6-Dinitrotoluene            | ND     |             | 230  | 28   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 23:44 | 1       |
| 2-Chloronaphthalene           | ND     |             | 230  | 39   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 23:44 | 1       |
| 2-Chlorophenol                | ND     |             | 450  | 43   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 23:44 | 1       |
| 2-Methylnaphthalene           | ND     |             | 230  | 47   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 23:44 | 1       |
| 2-Methylphenol                | ND     |             | 230  | 28   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 23:44 | 1       |
| 2-Nitroaniline                | ND     |             | 450  | 34   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 23:44 | 1       |
| 2-Nitrophenol                 | ND     |             | 230  | 66   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 23:44 | 1       |
| 3,3'-Dichlorobenzidine        | ND     |             | 450  | 280  | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 23:44 | 1       |
| 3-Nitroaniline                | ND     |             | 450  | 65   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 23:44 | 1       |
| 4,6-Dinitro-2-methylphenol    | ND     |             | 450  | 230  | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 23:44 | 1       |
| 4-Bromophenyl phenyl ether    | ND     |             | 230  | 33   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 23:44 | 1       |
| 4-Chloro-3-methylphenol       | ND     |             | 230  | 58   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 23:44 | 1       |
| 4-Chloroaniline               | ND     |             | 230  | 58   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 23:44 | 1       |
| 4-Chlorophenyl phenyl ether   | ND     |             | 230  | 29   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 23:44 | 1       |
| 4-Methylphenol                | ND     |             | 450  | 28   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 23:44 | 1       |
| 4-Nitroaniline                | ND     |             | 450  | 120  | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 23:44 | 1       |
| 4-Nitrophenol                 | ND     |             | 450  | 160  | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 23:44 | 1       |
| Acenaphthene                  | ND     |             | 230  | 34   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 23:44 | 1       |
| Acenaphthylene                | ND     |             | 230  | 30   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 23:44 | 1       |
| Acetophenone                  | ND     |             | 230  | 32   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 23:44 | 1       |
| Anthracene                    | ND     |             | 230  | 58   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 23:44 | 1       |
| Atrazine                      | ND     |             | 230  | 81   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 23:44 | 1       |
| Benzaldehyde                  | ND     |             | 230  | 190  | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 23:44 | 1       |
| Benzo(a)anthracene            | ND     |             | 230  | 23   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 23:44 | 1       |
| Benzo(a)pyrene                | ND     |             | 230  | 34   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 23:44 | 1       |
| Benzo(b)fluoranthene          | ND     |             | 230  | 37   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 23:44 | 1       |
| Benzo(g,h,i)perylene          | ND     |             | 230  | 25   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 23:44 | 1       |
| Benzo(k)fluoranthene          | ND     |             | 230  | 30   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 23:44 | 1       |
| Bis(2-chloroethoxy)methane    | ND     |             | 230  | 50   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 23:44 | 1       |
| Bis(2-chloroethyl)ether       | ND     |             | 230  | 30   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 23:44 | 1       |
| Bis(2-ethylhexyl) phthalate   | ND     |             | 230  | 80   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 23:44 | 1       |
| Butyl benzyl phthalate        | ND     |             | 230  | 39   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 23:44 | 1       |
| Caprolactam                   | ND     |             | 230  | 70   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 23:44 | 1       |
| Carbazole                     | ND     |             | 230  | 28   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 23:44 | 1       |
| Chrysene                      | ND     |             | 230  | 52   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 23:44 | 1       |
| Di-n-butyl phthalate          | 230    | 420--J-B- U | 230  | 40   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 23:44 | 1       |
| Di-n-octyl phthalate          | ND     |             | 230  | 28   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 23:44 | 1       |
| Dibenz(a,h)anthracene         | ND     |             | 230  | 41   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 23:44 | 1       |
| Dibenzofuran                  | ND     |             | 230  | 28   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 23:44 | 1       |
| Diethyl phthalate             | ND     |             | 230  | 30   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 23:44 | 1       |
| Dimethyl phthalate            | ND     |             | 230  | 28   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 23:44 | 1       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186368-1

**Client Sample ID: SS-06-0002**

**Lab Sample ID: 480-186368-7**

**Date Collected: 06/22/21 09:45**

**Matrix: Solid**

**Date Received: 06/22/21 12:15**

**Percent Solids: 70.7**

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

| Analyte                   | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------------|--------|-----------|------|------|-------|---|----------------|----------------|---------|
| Fluoranthene              | 31     | J         | 230  | 25   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 23:44 | 1       |
| Fluorene                  | ND     |           | 230  | 28   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 23:44 | 1       |
| Hexachlorobenzene         | ND     |           | 230  | 32   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 23:44 | 1       |
| Hexachlorobutadiene       | ND     |           | 230  | 34   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 23:44 | 1       |
| Hexachlorocyclopentadiene | ND     |           | 230  | 32   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 23:44 | 1       |
| Hexachloroethane          | ND     |           | 230  | 30   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 23:44 | 1       |
| Indeno(1,2,3-cd)pyrene    | ND     |           | 230  | 29   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 23:44 | 1       |
| Isophorone                | ND     |           | 230  | 50   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 23:44 | 1       |
| N-Nitrosodi-n-propylamine | ND     |           | 230  | 40   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 23:44 | 1       |
| N-Nitrosodiphenylamine    | ND     |           | 230  | 190  | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 23:44 | 1       |
| Naphthalene               | ND     |           | 230  | 30   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 23:44 | 1       |
| Nitrobenzene              | ND     |           | 230  | 26   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 23:44 | 1       |
| Pentachlorophenol         | ND     |           | 450  | 230  | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 23:44 | 1       |
| Phenanthrene              | ND     |           | 230  | 34   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 23:44 | 1       |
| Phenol                    | ND     |           | 230  | 36   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 23:44 | 1       |
| Pyrene                    | ND     |           | 230  | 28   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 23:44 | 1       |
| Benzoic acid              | ND     | *+        | 6600 | 2100 | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 23:44 | 1       |

| Surrogate            | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 2,4,6-Tribromophenol | 87        |           | 54 - 120 | 06/30/21 07:50 | 07/06/21 23:44 | 1       |
| 2-Fluorobiphenyl     | 72        |           | 60 - 120 | 06/30/21 07:50 | 07/06/21 23:44 | 1       |
| 2-Fluorophenol       | 74        |           | 52 - 120 | 06/30/21 07:50 | 07/06/21 23:44 | 1       |
| Nitrobenzene-d5      | 69        |           | 53 - 120 | 06/30/21 07:50 | 07/06/21 23:44 | 1       |
| p-Terphenyl-d14      | 92        |           | 79 - 130 | 06/30/21 07:50 | 07/06/21 23:44 | 1       |
| Phenol-d5            | 77        |           | 54 - 120 | 06/30/21 07:50 | 07/06/21 23:44 | 1       |

## Method: 8081B - Organochlorine Pesticides (GC)

| Analyte             | Result | Qualifier | RL  | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|--------|-----------|-----|------|-------|---|----------------|----------------|---------|
| 4,4'-DDD            | ND     |           | 2.3 | 0.45 | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 14:02 | 1       |
| 4,4'-DDE            | ND     |           | 2.3 | 0.48 | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 14:02 | 1       |
| 4,4'-DDT            | ND     |           | 2.3 | 0.54 | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 14:02 | 1       |
| Aldrin              | ND     |           | 2.3 | 0.56 | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 14:02 | 1       |
| alpha-BHC           | ND     |           | 2.3 | 0.41 | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 14:02 | 1       |
| cis-Chlordane       | ND     |           | 2.3 | 1.1  | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 14:02 | 1       |
| beta-BHC            | 2.6    |           | 2.3 | 0.41 | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 14:02 | 1       |
| delta-BHC           | ND     |           | 2.3 | 0.43 | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 14:02 | 1       |
| Dieldrin            | ND     |           | 2.3 | 0.55 | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 14:02 | 1       |
| Endosulfan I        | ND     |           | 2.3 | 0.44 | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 14:02 | 1       |
| Endosulfan II       | ND     |           | 2.3 | 0.41 | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 14:02 | 1       |
| Endosulfan sulfate  | ND     |           | 2.3 | 0.43 | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 14:02 | 1       |
| Endrin              | ND     |           | 2.3 | 0.45 | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 14:02 | 1       |
| Endrin aldehyde     | ND     |           | 2.3 | 0.59 | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 14:02 | 1       |
| Endrin ketone       | ND     |           | 2.3 | 0.56 | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 14:02 | 1       |
| gamma-BHC (Lindane) | ND     |           | 2.3 | 0.42 | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 14:02 | 1       |
| trans-Chlordane     | ND     |           | 2.3 | 0.73 | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 14:02 | 1       |
| Heptachlor          | ND     |           | 2.3 | 0.50 | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 14:02 | 1       |
| Heptachlor epoxide  | ND     |           | 2.3 | 0.59 | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 14:02 | 1       |
| Methoxychlor        | ND     |           | 2.3 | 0.47 | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 14:02 | 1       |
| Toxaphene           | ND     |           | 23  | 13   | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 14:02 | 1       |
| Mirex               | ND     |           | 2.3 | 0.56 | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 14:02 | 1       |

Eurofins TestAmerica, Buffalo



# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186368-1

**Client Sample ID: SS-06-0002**

**Lab Sample ID: 480-186368-7**

**Date Collected: 06/22/21 09:45**

**Matrix: Solid**

**Date Received: 06/22/21 12:15**

**Percent Solids: 70.7**

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| DCB Decachlorobiphenyl | 87        |           | 45 - 120 | 06/29/21 07:46 | 06/30/21 14:02 | 1       |
| DCB Decachlorobiphenyl | 79        |           | 45 - 120 | 06/29/21 07:46 | 06/30/21 14:02 | 1       |
| Tetrachloro-m-xylene   | 81        |           | 30 - 124 | 06/29/21 07:46 | 06/30/21 14:02 | 1       |
| Tetrachloro-m-xylene   | 64        |           | 30 - 124 | 06/29/21 07:46 | 06/30/21 14:02 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| PCB-1016 | ND     |           | 0.26 | 0.052 | mg/Kg | ☼ | 07/01/21 15:01 | 07/05/21 23:32 | 1       |
| PCB-1221 | ND     |           | 0.26 | 0.052 | mg/Kg | ☼ | 07/01/21 15:01 | 07/05/21 23:32 | 1       |
| PCB-1232 | ND     |           | 0.26 | 0.052 | mg/Kg | ☼ | 07/01/21 15:01 | 07/05/21 23:32 | 1       |
| PCB-1242 | ND     |           | 0.26 | 0.052 | mg/Kg | ☼ | 07/01/21 15:01 | 07/05/21 23:32 | 1       |
| PCB-1248 | ND     |           | 0.26 | 0.052 | mg/Kg | ☼ | 07/01/21 15:01 | 07/05/21 23:32 | 1       |
| PCB-1254 | ND     |           | 0.26 | 0.12  | mg/Kg | ☼ | 07/01/21 15:01 | 07/05/21 23:32 | 1       |
| PCB-1260 | ND     |           | 0.26 | 0.12  | mg/Kg | ☼ | 07/01/21 15:01 | 07/05/21 23:32 | 1       |
| PCB-1262 | ND     |           | 0.26 | 0.12  | mg/Kg | ☼ | 07/01/21 15:01 | 07/05/21 23:32 | 1       |
| PCB-1268 | ND     |           | 0.26 | 0.12  | mg/Kg | ☼ | 07/01/21 15:01 | 07/05/21 23:32 | 1       |

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| Tetrachloro-m-xylene   | 143       |           | 60 - 154 | 07/01/21 15:01 | 07/05/21 23:32 | 1       |
| Tetrachloro-m-xylene   | 147       |           | 60 - 154 | 07/01/21 15:01 | 07/05/21 23:32 | 1       |
| DCB Decachlorobiphenyl | 140       |           | 65 - 174 | 07/01/21 15:01 | 07/05/21 23:32 | 1       |
| DCB Decachlorobiphenyl | 133       |           | 65 - 174 | 07/01/21 15:01 | 07/05/21 23:32 | 1       |

## Method: 6010C - Metals (ICP)

| Analyte   | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| Aluminum  | 14400  |           | 14.3 | 6.3   | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 19:12 | 1       |
| Antimony  | ND     |           | 21.4 | 0.57  | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 19:12 | 1       |
| Arsenic   | 3.3    |           | 2.9  | 0.57  | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 19:12 | 1       |
| Barium    | 76.7   | ^6+       | 0.71 | 0.16  | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 19:12 | 1       |
| Beryllium | 0.61   |           | 0.29 | 0.040 | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 19:12 | 1       |
| Cadmium   | 0.28   | J         | 0.29 | 0.043 | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 19:12 | 1       |
| Calcium   | 6600   | B         | 71.3 | 4.7   | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 19:12 | 1       |
| Chromium  | 19.9   |           | 0.71 | 0.29  | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 19:12 | 1       |
| Cobalt    | 5.8    |           | 0.71 | 0.071 | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 19:12 | 1       |
| Copper    | 10.7   |           | 1.4  | 0.30  | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 19:12 | 1       |
| Iron      | 15200  | ^+        | 14.3 | 5.0   | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 19:12 | 1       |
| Lead      | 20.0   |           | 1.4  | 0.34  | mg/Kg | ☼ | 07/07/21 09:52 | 07/08/21 02:46 | 1       |
| Magnesium | 4300   |           | 28.5 | 1.3   | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 19:12 | 1       |
| Manganese | 180    | B         | 0.29 | 0.046 | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 19:12 | 1       |
| Nickel    | 18.4   |           | 7.1  | 0.33  | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 19:12 | 1       |
| Potassium | 1270   |           | 42.8 | 28.5  | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 19:12 | 1       |
| Selenium  | 0.61   | J         | 5.7  | 0.57  | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 19:12 | 1       |
| Silver    | ND     |           | 0.86 | 0.29  | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 19:12 | 1       |
| Sodium    | 82.9   | J         | 200  | 18.5  | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 19:12 | 1       |
| Thallium  | ND     |           | 8.6  | 0.43  | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 19:12 | 1       |
| Vanadium  | 27.8   |           | 0.71 | 0.16  | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 19:12 | 1       |
| Zinc      | 63.4   |           | 2.9  | 0.91  | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 19:12 | 1       |

## Method: 7471B - Mercury (CVAA)

| Analyte | Result | Qualifier | RL    | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------|--------|-----------|-------|-------|-------|---|----------------|----------------|---------|
| Mercury | ND     |           | 0.094 | 0.022 | mg/Kg | ☼ | 07/01/21 13:35 | 07/01/21 15:56 | 1       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186368-1

Client Sample ID: SS-06-0212

Lab Sample ID: 480-186368-8

Date Collected: 06/22/21 09:50

Matrix: Solid

Date Received: 06/22/21 12:15

Percent Solids: 75.5

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

| Analyte                       | Result | Qualifier  | RL   | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|--------|------------|------|------|-------|---|----------------|----------------|---------|
| Biphenyl                      | ND     |            | 220  | 33   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 00:08 | 1       |
| bis (2-chloroisopropyl) ether | ND     |            | 220  | 44   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 00:08 | 1       |
| 2,4,5-Trichlorophenol         | ND     |            | 220  | 60   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 00:08 | 1       |
| 2,4,6-Trichlorophenol         | ND     |            | 220  | 44   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 00:08 | 1       |
| 2,4-Dichlorophenol            | ND     |            | 220  | 23   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 00:08 | 1       |
| 2,4-Dimethylphenol            | ND     |            | 220  | 53   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 00:08 | 1       |
| 2,4-Dinitrophenol             | ND     |            | 2200 | 1000 | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 00:08 | 1       |
| 2,4-Dinitrotoluene            | ND     |            | 220  | 46   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 00:08 | 1       |
| 2,6-Dinitrotoluene            | ND     |            | 220  | 26   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 00:08 | 1       |
| 2-Chloronaphthalene           | ND     |            | 220  | 36   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 00:08 | 1       |
| 2-Chlorophenol                | ND     |            | 430  | 40   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 00:08 | 1       |
| 2-Methylnaphthalene           | ND     |            | 220  | 44   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 00:08 | 1       |
| 2-Methylphenol                | ND     |            | 220  | 26   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 00:08 | 1       |
| 2-Nitroaniline                | ND     |            | 430  | 33   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 00:08 | 1       |
| 2-Nitrophenol                 | ND     |            | 220  | 63   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 00:08 | 1       |
| 3,3'-Dichlorobenzidine        | ND     |            | 430  | 260  | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 00:08 | 1       |
| 3-Nitroaniline                | ND     |            | 430  | 61   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 00:08 | 1       |
| 4,6-Dinitro-2-methylphenol    | ND     |            | 430  | 220  | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 00:08 | 1       |
| 4-Bromophenyl phenyl ether    | ND     |            | 220  | 31   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 00:08 | 1       |
| 4-Chloro-3-methylphenol       | ND     |            | 220  | 55   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 00:08 | 1       |
| 4-Chloroaniline               | ND     |            | 220  | 55   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 00:08 | 1       |
| 4-Chlorophenyl phenyl ether   | ND     |            | 220  | 27   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 00:08 | 1       |
| 4-Methylphenol                | ND     |            | 430  | 26   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 00:08 | 1       |
| 4-Nitroaniline                | ND     |            | 430  | 120  | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 00:08 | 1       |
| 4-Nitrophenol                 | ND     |            | 430  | 150  | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 00:08 | 1       |
| Acenaphthene                  | ND     |            | 220  | 33   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 00:08 | 1       |
| Acenaphthylene                | ND     |            | 220  | 29   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 00:08 | 1       |
| Acetophenone                  | ND     |            | 220  | 30   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 00:08 | 1       |
| Anthracene                    | ND     |            | 220  | 55   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 00:08 | 1       |
| Atrazine                      | ND     |            | 220  | 77   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 00:08 | 1       |
| Benzaldehyde                  | ND     |            | 220  | 180  | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 00:08 | 1       |
| Benzo(a)anthracene            | ND     |            | 220  | 22   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 00:08 | 1       |
| Benzo(a)pyrene                | ND     |            | 220  | 33   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 00:08 | 1       |
| Benzo(b)fluoranthene          | ND     |            | 220  | 35   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 00:08 | 1       |
| Benzo(g,h,i)perylene          | ND     |            | 220  | 23   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 00:08 | 1       |
| Benzo(k)fluoranthene          | ND     |            | 220  | 29   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 00:08 | 1       |
| Bis(2-chloroethoxy)methane    | ND     |            | 220  | 47   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 00:08 | 1       |
| Bis(2-chloroethyl)ether       | ND     |            | 220  | 29   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 00:08 | 1       |
| Bis(2-ethylhexyl) phthalate   | ND     |            | 220  | 76   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 00:08 | 1       |
| Butyl benzyl phthalate        | ND     |            | 220  | 36   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 00:08 | 1       |
| Caprolactam                   | ND     |            | 220  | 66   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 00:08 | 1       |
| Carbazole                     | ND     |            | 220  | 26   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 00:08 | 1       |
| Chrysene                      | ND     |            | 220  | 49   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 00:08 | 1       |
| Di-n-butyl phthalate          | 220    | -110-J-B-U | 220  | 38   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 00:08 | 1       |
| Di-n-octyl phthalate          | ND     |            | 220  | 26   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 00:08 | 1       |
| Dibenz(a,h)anthracene         | ND     |            | 220  | 39   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 00:08 | 1       |
| Dibenzofuran                  | ND     |            | 220  | 26   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 00:08 | 1       |
| Diethyl phthalate             | ND     |            | 220  | 29   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 00:08 | 1       |
| Dimethyl phthalate            | ND     |            | 220  | 26   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 00:08 | 1       |

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ALH 8/3/21

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186368-1

**Client Sample ID: SS-06-0212**

**Lab Sample ID: 480-186368-8**

**Date Collected: 06/22/21 09:50**

**Matrix: Solid**

**Date Received: 06/22/21 12:15**

**Percent Solids: 75.5**

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

| Analyte                   | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------------|--------|-----------|------|------|-------|---|----------------|----------------|---------|
| Fluoranthene              | ND     |           | 220  | 23   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 00:08 | 1       |
| Fluorene                  | ND     |           | 220  | 26   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 00:08 | 1       |
| Hexachlorobenzene         | ND     |           | 220  | 30   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 00:08 | 1       |
| Hexachlorobutadiene       | ND     |           | 220  | 33   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 00:08 | 1       |
| Hexachlorocyclopentadiene | ND     |           | 220  | 30   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 00:08 | 1       |
| Hexachloroethane          | ND     |           | 220  | 29   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 00:08 | 1       |
| Indeno(1,2,3-cd)pyrene    | ND     |           | 220  | 27   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 00:08 | 1       |
| Isophorone                | ND     |           | 220  | 47   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 00:08 | 1       |
| N-Nitrosodi-n-propylamine | ND     |           | 220  | 38   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 00:08 | 1       |
| N-Nitrosodiphenylamine    | ND     |           | 220  | 180  | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 00:08 | 1       |
| Naphthalene               | ND     |           | 220  | 29   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 00:08 | 1       |
| Nitrobenzene              | ND     |           | 220  | 25   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 00:08 | 1       |
| Pentachlorophenol         | ND     |           | 430  | 220  | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 00:08 | 1       |
| Phenanthrene              | ND     |           | 220  | 33   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 00:08 | 1       |
| Phenol                    | ND     |           | 220  | 34   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 00:08 | 1       |
| Pyrene                    | ND     |           | 220  | 26   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 00:08 | 1       |
| Benzoic acid              | ND     | *+        | 6300 | 2000 | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 00:08 | 1       |

| Surrogate            | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 2,4,6-Tribromophenol | 103       |           | 54 - 120 | 06/30/21 07:50 | 07/07/21 00:08 | 1       |
| 2-Fluorobiphenyl     | 86        |           | 60 - 120 | 06/30/21 07:50 | 07/07/21 00:08 | 1       |
| 2-Fluorophenol       | 79        |           | 52 - 120 | 06/30/21 07:50 | 07/07/21 00:08 | 1       |
| Nitrobenzene-d5      | 82        |           | 53 - 120 | 06/30/21 07:50 | 07/07/21 00:08 | 1       |
| p-Terphenyl-d14      | 108       |           | 79 - 130 | 06/30/21 07:50 | 07/07/21 00:08 | 1       |
| Phenol-d5            | 80        |           | 54 - 120 | 06/30/21 07:50 | 07/07/21 00:08 | 1       |

## Method: 8081B - Organochlorine Pesticides (GC)

| Analyte             | Result | Qualifier | RL  | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|--------|-----------|-----|------|-------|---|----------------|----------------|---------|
| 4,4'-DDD            | ND     |           | 2.2 | 0.43 | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 14:22 | 1       |
| 4,4'-DDE            | ND     |           | 2.2 | 0.46 | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 14:22 | 1       |
| 4,4'-DDT            | ND     |           | 2.2 | 0.51 | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 14:22 | 1       |
| Aldrin              | ND     |           | 2.2 | 0.54 | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 14:22 | 1       |
| alpha-BHC           | ND     |           | 2.2 | 0.40 | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 14:22 | 1       |
| cis-Chlordane       | ND     |           | 2.2 | 1.1  | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 14:22 | 1       |
| beta-BHC            | ND     |           | 2.2 | 0.40 | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 14:22 | 1       |
| delta-BHC           | ND     |           | 2.2 | 0.41 | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 14:22 | 1       |
| Dieldrin            | ND     |           | 2.2 | 0.53 | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 14:22 | 1       |
| Endosulfan I        | ND     |           | 2.2 | 0.42 | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 14:22 | 1       |
| Endosulfan II       | ND     |           | 2.2 | 0.40 | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 14:22 | 1       |
| Endosulfan sulfate  | ND     |           | 2.2 | 0.41 | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 14:22 | 1       |
| Endrin              | ND     |           | 2.2 | 0.44 | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 14:22 | 1       |
| Endrin aldehyde     | ND     |           | 2.2 | 0.56 | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 14:22 | 1       |
| Endrin ketone       | ND     |           | 2.2 | 0.54 | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 14:22 | 1       |
| gamma-BHC (Lindane) | ND     |           | 2.2 | 0.40 | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 14:22 | 1       |
| trans-Chlordane     | ND     |           | 2.2 | 0.70 | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 14:22 | 1       |
| Heptachlor          | ND     |           | 2.2 | 0.48 | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 14:22 | 1       |
| Heptachlor epoxide  | ND     |           | 2.2 | 0.57 | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 14:22 | 1       |
| Methoxychlor        | ND     |           | 2.2 | 0.45 | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 14:22 | 1       |
| Toxaphene           | ND     |           | 22  | 13   | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 14:22 | 1       |
| Mirex               | ND     |           | 2.2 | 0.54 | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 14:22 | 1       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186368-1

**Client Sample ID: SS-06-0212**

**Lab Sample ID: 480-186368-8**

**Date Collected: 06/22/21 09:50**

**Matrix: Solid**

**Date Received: 06/22/21 12:15**

**Percent Solids: 75.5**

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| DCB Decachlorobiphenyl | 111       |           | 45 - 120 | 06/29/21 07:46 | 06/30/21 14:22 | 1       |
| DCB Decachlorobiphenyl | 89        |           | 45 - 120 | 06/29/21 07:46 | 06/30/21 14:22 | 1       |
| Tetrachloro-m-xylene   | 85        |           | 30 - 124 | 06/29/21 07:46 | 06/30/21 14:22 | 1       |
| Tetrachloro-m-xylene   | 81        |           | 30 - 124 | 06/29/21 07:46 | 06/30/21 14:22 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| PCB-1016 | ND     |           | 0.29 | 0.056 | mg/Kg | ☼ | 07/01/21 15:01 | 07/05/21 23:45 | 1       |
| PCB-1221 | ND     |           | 0.29 | 0.056 | mg/Kg | ☼ | 07/01/21 15:01 | 07/05/21 23:45 | 1       |
| PCB-1232 | ND     |           | 0.29 | 0.056 | mg/Kg | ☼ | 07/01/21 15:01 | 07/05/21 23:45 | 1       |
| PCB-1242 | ND     |           | 0.29 | 0.056 | mg/Kg | ☼ | 07/01/21 15:01 | 07/05/21 23:45 | 1       |
| PCB-1248 | ND     |           | 0.29 | 0.056 | mg/Kg | ☼ | 07/01/21 15:01 | 07/05/21 23:45 | 1       |
| PCB-1254 | ND     |           | 0.29 | 0.13  | mg/Kg | ☼ | 07/01/21 15:01 | 07/05/21 23:45 | 1       |
| PCB-1260 | ND     |           | 0.29 | 0.13  | mg/Kg | ☼ | 07/01/21 15:01 | 07/05/21 23:45 | 1       |
| PCB-1262 | ND     |           | 0.29 | 0.13  | mg/Kg | ☼ | 07/01/21 15:01 | 07/05/21 23:45 | 1       |
| PCB-1268 | ND     |           | 0.29 | 0.13  | mg/Kg | ☼ | 07/01/21 15:01 | 07/05/21 23:45 | 1       |

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| Tetrachloro-m-xylene   | 144       |           | 60 - 154 | 07/01/21 15:01 | 07/05/21 23:45 | 1       |
| Tetrachloro-m-xylene   | 148       |           | 60 - 154 | 07/01/21 15:01 | 07/05/21 23:45 | 1       |
| DCB Decachlorobiphenyl | 139       |           | 65 - 174 | 07/01/21 15:01 | 07/05/21 23:45 | 1       |
| DCB Decachlorobiphenyl | 134       |           | 65 - 174 | 07/01/21 15:01 | 07/05/21 23:45 | 1       |

## Method: 6010C - Metals (ICP)

| Analyte   | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| Aluminum  | 14800  |           | 14.0 | 6.2   | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 19:15 | 1       |
| Antimony  | ND     |           | 21.0 | 0.56  | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 19:15 | 1       |
| Arsenic   | 4.1    |           | 2.8  | 0.56  | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 19:15 | 1       |
| Barium    | 82.1   | ^6+       | 0.70 | 0.15  | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 19:15 | 1       |
| Beryllium | 0.69   |           | 0.28 | 0.039 | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 19:15 | 1       |
| Cadmium   | 0.24   | J         | 0.28 | 0.042 | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 19:15 | 1       |
| Calcium   | 5150   | B         | 70.0 | 4.6   | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 19:15 | 1       |
| Chromium  | 19.0   |           | 0.70 | 0.28  | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 19:15 | 1       |
| Cobalt    | 10.8   |           | 0.70 | 0.070 | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 19:15 | 1       |
| Copper    | 14.7   |           | 1.4  | 0.29  | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 19:15 | 1       |
| Iron      | 19100  | ^+        | 14.0 | 4.9   | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 19:15 | 1       |
| Lead      | 15.0   |           | 1.4  | 0.34  | mg/Kg | ☼ | 07/07/21 09:52 | 07/08/21 02:50 | 1       |
| Magnesium | 3330   |           | 28.0 | 1.3   | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 19:15 | 1       |
| Manganese | 440    | B         | 0.28 | 0.045 | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 19:15 | 1       |
| Nickel    | 22.7   |           | 7.0  | 0.32  | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 19:15 | 1       |
| Potassium | 1270   |           | 42.0 | 28.0  | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 19:15 | 1       |
| Selenium  | 1.2    | J         | 5.6  | 0.56  | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 19:15 | 1       |
| Silver    | ND     |           | 0.84 | 0.28  | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 19:15 | 1       |
| Sodium    | 85.2   | J         | 196  | 18.2  | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 19:15 | 1       |
| Thallium  | ND     |           | 8.4  | 0.42  | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 19:15 | 1       |
| Vanadium  | 31.3   |           | 0.70 | 0.15  | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 19:15 | 1       |
| Zinc      | 49.0   |           | 2.8  | 0.90  | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 19:15 | 1       |

## Method: 7471B - Mercury (CVAA)

| Analyte | Result | Qualifier | RL    | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------|--------|-----------|-------|-------|-------|---|----------------|----------------|---------|
| Mercury | 0.020  | J         | 0.059 | 0.014 | mg/Kg | ☼ | 07/01/21 13:35 | 07/01/21 15:58 | 1       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186368-1

Client Sample ID: SS-07-0002

Lab Sample ID: 480-186368-9

Date Collected: 06/22/21 09:20

Matrix: Solid

Date Received: 06/22/21 12:15

Percent Solids: 77.1

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

| Analyte                       | Result        | Qualifier | RL   | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|---------------|-----------|------|------|-------|---|----------------|----------------|---------|
| Biphenyl                      | ND            |           | 220  | 32   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 00:32 | 1       |
| bis (2-chloroisopropyl) ether | ND            |           | 220  | 44   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 00:32 | 1       |
| 2,4,5-Trichlorophenol         | ND            |           | 220  | 59   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 00:32 | 1       |
| 2,4,6-Trichlorophenol         | ND            |           | 220  | 44   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 00:32 | 1       |
| 2,4-Dichlorophenol            | ND            |           | 220  | 23   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 00:32 | 1       |
| 2,4-Dimethylphenol            | ND            |           | 220  | 53   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 00:32 | 1       |
| 2,4-Dinitrophenol             | ND            |           | 2100 | 1000 | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 00:32 | 1       |
| 2,4-Dinitrotoluene            | ND            |           | 220  | 45   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 00:32 | 1       |
| 2,6-Dinitrotoluene            | ND            |           | 220  | 26   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 00:32 | 1       |
| 2-Chloronaphthalene           | ND            |           | 220  | 36   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 00:32 | 1       |
| 2-Chlorophenol                | ND            |           | 420  | 40   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 00:32 | 1       |
| 2-Methylnaphthalene           | ND            |           | 220  | 44   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 00:32 | 1       |
| 2-Methylphenol                | ND            |           | 220  | 26   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 00:32 | 1       |
| 2-Nitroaniline                | ND            |           | 420  | 32   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 00:32 | 1       |
| 2-Nitrophenol                 | ND            |           | 220  | 62   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 00:32 | 1       |
| 3,3'-Dichlorobenzidine        | ND            |           | 420  | 260  | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 00:32 | 1       |
| 3-Nitroaniline                | ND            |           | 420  | 60   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 00:32 | 1       |
| 4,6-Dinitro-2-methylphenol    | ND            |           | 420  | 220  | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 00:32 | 1       |
| 4-Bromophenyl phenyl ether    | ND            |           | 220  | 31   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 00:32 | 1       |
| 4-Chloro-3-methylphenol       | ND            |           | 220  | 54   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 00:32 | 1       |
| 4-Chloroaniline               | ND            |           | 220  | 54   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 00:32 | 1       |
| 4-Chlorophenyl phenyl ether   | ND            |           | 220  | 27   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 00:32 | 1       |
| 4-Methylphenol                | ND            |           | 420  | 26   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 00:32 | 1       |
| 4-Nitroaniline                | ND            |           | 420  | 110  | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 00:32 | 1       |
| 4-Nitrophenol                 | ND            |           | 420  | 150  | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 00:32 | 1       |
| Acenaphthene                  | ND            |           | 220  | 32   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 00:32 | 1       |
| Acenaphthylene                | ND            |           | 220  | 28   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 00:32 | 1       |
| Acetophenone                  | ND            |           | 220  | 29   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 00:32 | 1       |
| Anthracene                    | ND            |           | 220  | 54   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 00:32 | 1       |
| Atrazine                      | ND            |           | 220  | 76   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 00:32 | 1       |
| Benzaldehyde                  | ND            |           | 220  | 170  | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 00:32 | 1       |
| Benzo(a)anthracene            | ND            |           | 220  | 22   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 00:32 | 1       |
| Benzo(a)pyrene                | 32 J          |           | 220  | 32   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 00:32 | 1       |
| Benzo(b)fluoranthene          | 48 J          |           | 220  | 35   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 00:32 | 1       |
| Benzo(g,h,i)perylene          | 34 J          |           | 220  | 23   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 00:32 | 1       |
| Benzo(k)fluoranthene          | ND            |           | 220  | 28   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 00:32 | 1       |
| Bis(2-chloroethoxy)methane    | ND            |           | 220  | 46   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 00:32 | 1       |
| Bis(2-chloroethyl)ether       | ND            |           | 220  | 28   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 00:32 | 1       |
| Bis(2-ethylhexyl) phthalate   | 110 J         |           | 220  | 74   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 00:32 | 1       |
| Butyl benzyl phthalate        | ND            |           | 220  | 36   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 00:32 | 1       |
| Caprolactam                   | ND            |           | 220  | 65   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 00:32 | 1       |
| Carbazole                     | ND            |           | 220  | 26   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 00:32 | 1       |
| Chrysene                      | ND            |           | 220  | 49   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 00:32 | 1       |
| Di-n-butyl phthalate          | 220 170 J-B U |           | 220  | 37   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 00:32 | 1       |
| Di-n-octyl phthalate          | ND            |           | 220  | 26   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 00:32 | 1       |
| Dibenz(a,h)anthracene         | ND            |           | 220  | 38   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 00:32 | 1       |
| Dibenzofuran                  | ND            |           | 220  | 26   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 00:32 | 1       |
| Diethyl phthalate             | ND            |           | 220  | 28   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 00:32 | 1       |
| Dimethyl phthalate            | ND            |           | 220  | 26   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 00:32 | 1       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186368-1

Client Sample ID: SS-07-0002

Lab Sample ID: 480-186368-9

Date Collected: 06/22/21 09:20

Matrix: Solid

Date Received: 06/22/21 12:15

Percent Solids: 77.1

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

| Analyte                   | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------------|--------|-----------|------|------|-------|---|----------------|----------------|---------|
| Fluoranthene              | 55     | J         | 220  | 23   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 00:32 | 1       |
| Fluorene                  | ND     |           | 220  | 26   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 00:32 | 1       |
| Hexachlorobenzene         | ND     |           | 220  | 29   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 00:32 | 1       |
| Hexachlorobutadiene       | ND     |           | 220  | 32   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 00:32 | 1       |
| Hexachlorocyclopentadiene | ND     |           | 220  | 29   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 00:32 | 1       |
| Hexachloroethane          | ND     |           | 220  | 28   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 00:32 | 1       |
| Indeno(1,2,3-cd)pyrene    | ND     |           | 220  | 27   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 00:32 | 1       |
| Isophorone                | ND     |           | 220  | 46   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 00:32 | 1       |
| N-Nitrosodi-n-propylamine | ND     |           | 220  | 37   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 00:32 | 1       |
| N-Nitrosodiphenylamine    | ND     |           | 220  | 180  | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 00:32 | 1       |
| Naphthalene               | ND     |           | 220  | 28   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 00:32 | 1       |
| Nitrobenzene              | ND     |           | 220  | 24   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 00:32 | 1       |
| Pentachlorophenol         | ND     |           | 420  | 220  | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 00:32 | 1       |
| Phenanthrene              | ND     |           | 220  | 32   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 00:32 | 1       |
| Phenol                    | ND     |           | 220  | 33   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 00:32 | 1       |
| Pyrene                    | 46     | J         | 220  | 26   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 00:32 | 1       |
| Benzoic acid              | ND     | *+        | 6200 | 1900 | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 00:32 | 1       |

| Surrogate            | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 2,4,6-Tribromophenol | 108       |           | 54 - 120 | 06/30/21 07:50 | 07/07/21 00:32 | 1       |
| 2-Fluorobiphenyl     | 93        |           | 60 - 120 | 06/30/21 07:50 | 07/07/21 00:32 | 1       |
| 2-Fluorophenol       | 84        |           | 52 - 120 | 06/30/21 07:50 | 07/07/21 00:32 | 1       |
| Nitrobenzene-d5      | 90        |           | 53 - 120 | 06/30/21 07:50 | 07/07/21 00:32 | 1       |
| p-Terphenyl-d14      | 106       |           | 79 - 130 | 06/30/21 07:50 | 07/07/21 00:32 | 1       |
| Phenol-d5            | 88        |           | 54 - 120 | 06/30/21 07:50 | 07/07/21 00:32 | 1       |

## Method: 8081B - Organochlorine Pesticides (GC)

| Analyte             | Result | Qualifier | RL  | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|--------|-----------|-----|------|-------|---|----------------|----------------|---------|
| 4,4'-DDD            | 1.6    | J         | 2.1 | 0.41 | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 14:42 | 1       |
| 4,4'-DDE            | 9.2    |           | 2.1 | 0.44 | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 14:42 | 1       |
| 4,4'-DDT            | 11     | J         | 2.1 | 0.49 | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 14:42 | 1       |
| Aldrin              | ND     |           | 2.1 | 0.52 | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 14:42 | 1       |
| alpha-BHC           | ND     |           | 2.1 | 0.38 | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 14:42 | 1       |
| cis-Chlordane       | ND     |           | 2.1 | 1.0  | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 14:42 | 1       |
| beta-BHC            | 2.2    |           | 2.1 | 0.38 | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 14:42 | 1       |
| delta-BHC           | ND     |           | 2.1 | 0.39 | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 14:42 | 1       |
| Dieldrin            | 0.51   | J R       | 2.1 | 0.50 | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 14:42 | 1       |
| Endosulfan I        | ND     |           | 2.1 | 0.40 | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 14:42 | 1       |
| Endosulfan II       | ND     |           | 2.1 | 0.38 | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 14:42 | 1       |
| Endosulfan sulfate  | ND     |           | 2.1 | 0.39 | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 14:42 | 1       |
| Endrin              | ND     |           | 2.1 | 0.42 | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 14:42 | 1       |
| Endrin aldehyde     | 2.1    | 1.4 J-- U | 2.1 | 0.54 | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 14:42 | 1       |
| Endrin ketone       | ND     |           | 2.1 | 0.52 | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 14:42 | 1       |
| gamma-BHC (Lindane) | ND     |           | 2.1 | 0.39 | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 14:42 | 1       |
| trans-Chlordane     | ND     |           | 2.1 | 0.67 | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 14:42 | 1       |
| Heptachlor          | ND     |           | 2.1 | 0.45 | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 14:42 | 1       |
| Heptachlor epoxide  | ND     |           | 2.1 | 0.54 | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 14:42 | 1       |
| Methoxychlor        | 0.52   | J J       | 2.1 | 0.43 | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 14:42 | 1       |
| Toxaphene           | ND     |           | 21  | 12   | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 14:42 | 1       |
| Mirex               | 1.9    | J J       | 2.1 | 0.51 | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 14:42 | 1       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186368-1

**Client Sample ID: SS-07-0002**

**Lab Sample ID: 480-186368-9**

**Date Collected: 06/22/21 09:20**

**Matrix: Solid**

**Date Received: 06/22/21 12:15**

**Percent Solids: 77.1**

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| DCB Decachlorobiphenyl | 71        |           | 45 - 120 | 06/29/21 07:46 | 06/30/21 14:42 | 1       |
| DCB Decachlorobiphenyl | 76        |           | 45 - 120 | 06/29/21 07:46 | 06/30/21 14:42 | 1       |
| Tetrachloro-m-xylene   | 84        |           | 30 - 124 | 06/29/21 07:46 | 06/30/21 14:42 | 1       |
| Tetrachloro-m-xylene   | 61        |           | 30 - 124 | 06/29/21 07:46 | 06/30/21 14:42 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| PCB-1016 | ND     |           | 0.31 | 0.061 | mg/Kg | ☼ | 07/01/21 15:01 | 07/05/21 23:58 | 1       |
| PCB-1221 | ND     |           | 0.31 | 0.061 | mg/Kg | ☼ | 07/01/21 15:01 | 07/05/21 23:58 | 1       |
| PCB-1232 | ND     |           | 0.31 | 0.061 | mg/Kg | ☼ | 07/01/21 15:01 | 07/05/21 23:58 | 1       |
| PCB-1242 | ND     |           | 0.31 | 0.061 | mg/Kg | ☼ | 07/01/21 15:01 | 07/05/21 23:58 | 1       |
| PCB-1248 | ND     |           | 0.31 | 0.061 | mg/Kg | ☼ | 07/01/21 15:01 | 07/05/21 23:58 | 1       |
| PCB-1254 | ND     |           | 0.31 | 0.15  | mg/Kg | ☼ | 07/01/21 15:01 | 07/05/21 23:58 | 1       |
| PCB-1260 | ND     |           | 0.31 | 0.15  | mg/Kg | ☼ | 07/01/21 15:01 | 07/05/21 23:58 | 1       |
| PCB-1262 | ND     |           | 0.31 | 0.15  | mg/Kg | ☼ | 07/01/21 15:01 | 07/05/21 23:58 | 1       |
| PCB-1268 | ND     |           | 0.31 | 0.15  | mg/Kg | ☼ | 07/01/21 15:01 | 07/05/21 23:58 | 1       |

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| Tetrachloro-m-xylene   | 140       |           | 60 - 154 | 07/01/21 15:01 | 07/05/21 23:58 | 1       |
| Tetrachloro-m-xylene   | 148       |           | 60 - 154 | 07/01/21 15:01 | 07/05/21 23:58 | 1       |
| DCB Decachlorobiphenyl | 139       |           | 65 - 174 | 07/01/21 15:01 | 07/05/21 23:58 | 1       |
| DCB Decachlorobiphenyl | 130       |           | 65 - 174 | 07/01/21 15:01 | 07/05/21 23:58 | 1       |

## Method: 6010C - Metals (ICP)

| Analyte   | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| Aluminum  | 15500  |           | 13.4 | 5.9   | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 19:19 | 1       |
| Antimony  | ND     |           | 20.1 | 0.54  | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 19:19 | 1       |
| Arsenic   | 4.6    |           | 2.7  | 0.54  | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 19:19 | 1       |
| Barium    | 84.4   | ^6+       | 0.67 | 0.15  | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 19:19 | 1       |
| Beryllium | 0.68   |           | 0.27 | 0.038 | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 19:19 | 1       |
| Cadmium   | 0.64   |           | 0.27 | 0.040 | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 19:19 | 1       |
| Calcium   | 34300  | B         | 67.0 | 4.4   | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 19:19 | 1       |
| Chromium  | 20.9   |           | 0.67 | 0.27  | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 19:19 | 1       |
| Cobalt    | 9.1    |           | 0.67 | 0.067 | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 19:19 | 1       |
| Copper    | 20.4   |           | 1.3  | 0.28  | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 19:19 | 1       |
| Iron      | 19500  | ^+        | 13.4 | 4.7   | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 19:19 | 1       |
| Lead      | 35.0   | B         | 1.3  | 0.32  | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 19:19 | 1       |
| Magnesium | 11400  |           | 26.8 | 1.2   | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 19:19 | 1       |
| Manganese | 380    | B         | 0.27 | 0.043 | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 19:19 | 1       |
| Nickel    | 23.2   |           | 6.7  | 0.31  | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 19:19 | 1       |
| Potassium | 3800   |           | 40.2 | 26.8  | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 19:19 | 1       |
| Selenium  | 1.3    | J         | 5.4  | 0.54  | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 19:19 | 1       |
| Silver    | 19.3   |           | 0.80 | 0.27  | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 19:19 | 1       |
| Sodium    | 213    |           | 188  | 17.4  | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 19:19 | 1       |
| Thallium  | ND     |           | 8.0  | 0.40  | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 19:19 | 1       |
| Vanadium  | 30.0   |           | 0.67 | 0.15  | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 19:19 | 1       |
| Zinc      | 111    |           | 2.7  | 0.86  | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 19:19 | 1       |

## Method: 7471B - Mercury (CVAA)

| Analyte | Result | Qualifier | RL    | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------|--------|-----------|-------|-------|-------|---|----------------|----------------|---------|
| Mercury | 0.098  |           | 0.061 | 0.014 | mg/Kg | ☼ | 07/01/21 13:35 | 07/01/21 15:59 | 1       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186368-1

Client Sample ID: SS-07-0212

Lab Sample ID: 480-186368-10

Date Collected: 06/22/21 09:25

Matrix: Solid

Date Received: 06/22/21 12:15

Percent Solids: 79.8

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

| Analyte                       | Result | Qualifier    | RL   | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|--------|--------------|------|-----|-------|---|----------------|----------------|---------|
| Biphenyl                      | ND     |              | 210  | 31  | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 00:55 | 1       |
| bis (2-chloroisopropyl) ether | ND     |              | 210  | 42  | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 00:55 | 1       |
| 2,4,5-Trichlorophenol         | ND     |              | 210  | 57  | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 00:55 | 1       |
| 2,4,6-Trichlorophenol         | ND     |              | 210  | 42  | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 00:55 | 1       |
| 2,4-Dichlorophenol            | ND     |              | 210  | 22  | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 00:55 | 1       |
| 2,4-Dimethylphenol            | ND     |              | 210  | 51  | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 00:55 | 1       |
| 2,4-Dinitrophenol             | ND     |              | 2100 | 970 | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 00:55 | 1       |
| 2,4-Dinitrotoluene            | ND     |              | 210  | 44  | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 00:55 | 1       |
| 2,6-Dinitrotoluene            | ND     |              | 210  | 25  | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 00:55 | 1       |
| 2-Chloronaphthalene           | ND     |              | 210  | 35  | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 00:55 | 1       |
| 2-Chlorophenol                | ND     |              | 410  | 39  | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 00:55 | 1       |
| 2-Methylnaphthalene           | ND     |              | 210  | 42  | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 00:55 | 1       |
| 2-Methylphenol                | ND     |              | 210  | 25  | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 00:55 | 1       |
| 2-Nitroaniline                | ND     |              | 410  | 31  | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 00:55 | 1       |
| 2-Nitrophenol                 | ND     |              | 210  | 60  | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 00:55 | 1       |
| 3,3'-Dichlorobenzidine        | ND     |              | 410  | 250 | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 00:55 | 1       |
| 3-Nitroaniline                | ND     |              | 410  | 58  | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 00:55 | 1       |
| 4,6-Dinitro-2-methylphenol    | ND     |              | 410  | 210 | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 00:55 | 1       |
| 4-Bromophenyl phenyl ether    | ND     |              | 210  | 30  | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 00:55 | 1       |
| 4-Chloro-3-methylphenol       | ND     |              | 210  | 52  | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 00:55 | 1       |
| 4-Chloroaniline               | ND     |              | 210  | 52  | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 00:55 | 1       |
| 4-Chlorophenyl phenyl ether   | ND     |              | 210  | 26  | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 00:55 | 1       |
| 4-Methylphenol                | ND     |              | 410  | 25  | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 00:55 | 1       |
| 4-Nitroaniline                | ND     |              | 410  | 110 | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 00:55 | 1       |
| 4-Nitrophenol                 | ND     |              | 410  | 150 | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 00:55 | 1       |
| Acenaphthene                  | ND     |              | 210  | 31  | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 00:55 | 1       |
| Acenaphthylene                | ND     |              | 210  | 27  | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 00:55 | 1       |
| Acetophenone                  | ND     |              | 210  | 29  | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 00:55 | 1       |
| Anthracene                    | ND     |              | 210  | 52  | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 00:55 | 1       |
| Atrazine                      | ND     |              | 210  | 73  | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 00:55 | 1       |
| Benzaldehyde                  | ND     |              | 210  | 170 | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 00:55 | 1       |
| Benzo(a)anthracene            | ND     |              | 210  | 21  | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 00:55 | 1       |
| Benzo(a)pyrene                | 32     | J            | 210  | 31  | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 00:55 | 1       |
| Benzo(b)fluoranthene          | 52     | J            | 210  | 34  | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 00:55 | 1       |
| Benzo(g,h,i)perylene          | ND     |              | 210  | 22  | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 00:55 | 1       |
| Benzo(k)fluoranthene          | ND     |              | 210  | 27  | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 00:55 | 1       |
| Bis(2-chloroethoxy)methane    | ND     |              | 210  | 45  | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 00:55 | 1       |
| Bis(2-chloroethyl)ether       | ND     |              | 210  | 27  | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 00:55 | 1       |
| Bis(2-ethylhexyl) phthalate   | 120    | J            | 210  | 72  | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 00:55 | 1       |
| Butyl benzyl phthalate        | 53     | J            | 210  | 35  | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 00:55 | 1       |
| Caprolactam                   | ND     |              | 210  | 63  | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 00:55 | 1       |
| Carbazole                     | ND     |              | 210  | 25  | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 00:55 | 1       |
| Chrysene                      | ND     |              | 210  | 47  | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 00:55 | 1       |
| Di-n-butyl phthalate          | 210    | 150--J-B-- U | 210  | 36  | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 00:55 | 1       |
| Di-n-octyl phthalate          | ND     |              | 210  | 25  | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 00:55 | 1       |
| Dibenz(a,h)anthracene         | ND     |              | 210  | 37  | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 00:55 | 1       |
| Dibenzofuran                  | ND     |              | 210  | 25  | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 00:55 | 1       |
| Diethyl phthalate             | ND     |              | 210  | 27  | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 00:55 | 1       |
| Dimethyl phthalate            | ND     |              | 210  | 25  | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 00:55 | 1       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186368-1

Client Sample ID: SS-07-0212

Lab Sample ID: 480-186368-10

Date Collected: 06/22/21 09:25

Matrix: Solid

Date Received: 06/22/21 12:15

Percent Solids: 79.8

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

| Analyte                   | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------------|--------|-----------|------|------|-------|---|----------------|----------------|---------|
| Fluoranthene              | 53     | J         | 210  | 22   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 00:55 | 1       |
| Fluorene                  | ND     |           | 210  | 25   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 00:55 | 1       |
| Hexachlorobenzene         | ND     |           | 210  | 29   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 00:55 | 1       |
| Hexachlorobutadiene       | ND     |           | 210  | 31   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 00:55 | 1       |
| Hexachlorocyclopentadiene | ND     |           | 210  | 29   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 00:55 | 1       |
| Hexachloroethane          | ND     |           | 210  | 27   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 00:55 | 1       |
| Indeno(1,2,3-cd)pyrene    | 26     | J         | 210  | 26   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 00:55 | 1       |
| Isophorone                | ND     |           | 210  | 45   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 00:55 | 1       |
| N-Nitrosodi-n-propylamine | ND     |           | 210  | 36   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 00:55 | 1       |
| N-Nitrosodiphenylamine    | ND     |           | 210  | 170  | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 00:55 | 1       |
| Naphthalene               | ND     |           | 210  | 27   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 00:55 | 1       |
| Nitrobenzene              | ND     |           | 210  | 24   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 00:55 | 1       |
| Pentachlorophenol         | ND     |           | 410  | 210  | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 00:55 | 1       |
| Phenanthrene              | ND     |           | 210  | 31   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 00:55 | 1       |
| Phenol                    | ND     |           | 210  | 32   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 00:55 | 1       |
| Pyrene                    | 42     | J         | 210  | 25   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 00:55 | 1       |
| Benzoic acid              | ND     | *+        | 6000 | 1900 | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 00:55 | 1       |

| Surrogate            | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 2,4,6-Tribromophenol | 101       |           | 54 - 120 | 06/30/21 07:50 | 07/07/21 00:55 | 1       |
| 2-Fluorobiphenyl     | 84        |           | 60 - 120 | 06/30/21 07:50 | 07/07/21 00:55 | 1       |
| 2-Fluorophenol       | 76        |           | 52 - 120 | 06/30/21 07:50 | 07/07/21 00:55 | 1       |
| Nitrobenzene-d5      | 81        |           | 53 - 120 | 06/30/21 07:50 | 07/07/21 00:55 | 1       |
| p-Terphenyl-d14      | 100       |           | 79 - 130 | 06/30/21 07:50 | 07/07/21 00:55 | 1       |
| Phenol-d5            | 81        |           | 54 - 120 | 06/30/21 07:50 | 07/07/21 00:55 | 1       |

## Method: 8081B - Organochlorine Pesticides (GC)

| Analyte             | Result | Qualifier | RL  | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|--------|-----------|-----|------|-------|---|----------------|----------------|---------|
| 4,4'-DDD            | 1.7    | J         | 2.1 | 0.41 | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 15:01 | 1       |
| 4,4'-DDE            | 7.8    |           | 2.1 | 0.44 | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 15:01 | 1       |
| 4,4'-DDT            | 26     |           | 2.1 | 0.49 | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 15:01 | 1       |
| Aldrin              | ND     |           | 2.1 | 0.51 | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 15:01 | 1       |
| alpha-BHC           | ND     |           | 2.1 | 0.38 | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 15:01 | 1       |
| cis-Chlordane       | ND     |           | 2.1 | 1.0  | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 15:01 | 1       |
| beta-BHC            | 2.4    | J         | 2.1 | 0.38 | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 15:01 | 1       |
| delta-BHC           | ND     |           | 2.1 | 0.39 | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 15:01 | 1       |
| Dieldrin            | ND     |           | 2.1 | 0.50 | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 15:01 | 1       |
| Endosulfan I        | ND     |           | 2.1 | 0.40 | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 15:01 | 1       |
| Endosulfan II       | ND     |           | 2.1 | 0.38 | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 15:01 | 1       |
| Endosulfan sulfate  | ND     |           | 2.1 | 0.39 | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 15:01 | 1       |
| Endrin              | ND     |           | 2.1 | 0.41 | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 15:01 | 1       |
| Endrin aldehyde     | 20     | R         | 2.1 | 0.53 | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 15:01 | 1       |
| Endrin ketone       | ND     |           | 2.1 | 0.51 | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 15:01 | 1       |
| gamma-BHC (Lindane) | ND     |           | 2.1 | 0.38 | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 15:01 | 1       |
| trans-Chlordane     | ND     |           | 2.1 | 0.66 | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 15:01 | 1       |
| Heptachlor          | ND     |           | 2.1 | 0.45 | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 15:01 | 1       |
| Heptachlor epoxide  | ND     |           | 2.1 | 0.54 | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 15:01 | 1       |
| Methoxychlor        | ND     |           | 2.1 | 0.43 | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 15:01 | 1       |
| Toxaphene           | ND     |           | 21  | 12   | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 15:01 | 1       |
| Mirex               | ND     |           | 2.1 | 0.51 | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 15:01 | 1       |

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ALH 8/3/21

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186368-1

**Client Sample ID: SS-07-0212**

**Lab Sample ID: 480-186368-10**

**Date Collected: 06/22/21 09:25**

**Matrix: Solid**

**Date Received: 06/22/21 12:15**

**Percent Solids: 79.8**

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| DCB Decachlorobiphenyl | 81        |           | 45 - 120 | 06/29/21 07:46 | 06/30/21 15:01 | 1       |
| DCB Decachlorobiphenyl | 80        |           | 45 - 120 | 06/29/21 07:46 | 06/30/21 15:01 | 1       |
| Tetrachloro-m-xylene   | 91        |           | 30 - 124 | 06/29/21 07:46 | 06/30/21 15:01 | 1       |
| Tetrachloro-m-xylene   | 66        |           | 30 - 124 | 06/29/21 07:46 | 06/30/21 15:01 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| PCB-1016 | ND     |           | 0.30 | 0.058 | mg/Kg | ☼ | 07/01/21 15:01 | 07/06/21 00:11 | 1       |
| PCB-1221 | ND     |           | 0.30 | 0.058 | mg/Kg | ☼ | 07/01/21 15:01 | 07/06/21 00:11 | 1       |
| PCB-1232 | ND     |           | 0.30 | 0.058 | mg/Kg | ☼ | 07/01/21 15:01 | 07/06/21 00:11 | 1       |
| PCB-1242 | ND     |           | 0.30 | 0.058 | mg/Kg | ☼ | 07/01/21 15:01 | 07/06/21 00:11 | 1       |
| PCB-1248 | ND     |           | 0.30 | 0.058 | mg/Kg | ☼ | 07/01/21 15:01 | 07/06/21 00:11 | 1       |
| PCB-1254 | ND     |           | 0.30 | 0.14  | mg/Kg | ☼ | 07/01/21 15:01 | 07/06/21 00:11 | 1       |
| PCB-1260 | ND     |           | 0.30 | 0.14  | mg/Kg | ☼ | 07/01/21 15:01 | 07/06/21 00:11 | 1       |
| PCB-1262 | ND     |           | 0.30 | 0.14  | mg/Kg | ☼ | 07/01/21 15:01 | 07/06/21 00:11 | 1       |
| PCB-1268 | ND     |           | 0.30 | 0.14  | mg/Kg | ☼ | 07/01/21 15:01 | 07/06/21 00:11 | 1       |

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| Tetrachloro-m-xylene   | 129       |           | 60 - 154 | 07/01/21 15:01 | 07/06/21 00:11 | 1       |
| Tetrachloro-m-xylene   | 140       |           | 60 - 154 | 07/01/21 15:01 | 07/06/21 00:11 | 1       |
| DCB Decachlorobiphenyl | 135       |           | 65 - 174 | 07/01/21 15:01 | 07/06/21 00:11 | 1       |
| DCB Decachlorobiphenyl | 129       |           | 65 - 174 | 07/01/21 15:01 | 07/06/21 00:11 | 1       |

## Method: 6010C - Metals (ICP)

| Analyte   | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| Aluminum  | 15100  |           | 12.7 | 5.6   | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 19:23 | 1       |
| Antimony  | ND     |           | 19.1 | 0.51  | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 19:23 | 1       |
| Arsenic   | 4.5    |           | 2.5  | 0.51  | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 19:23 | 1       |
| Barium    | 90.6   | ^6+       | 0.64 | 0.14  | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 19:23 | 1       |
| Beryllium | 0.66   |           | 0.25 | 0.036 | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 19:23 | 1       |
| Cadmium   | 0.60   |           | 0.25 | 0.038 | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 19:23 | 1       |
| Calcium   | 36300  | B         | 63.7 | 4.2   | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 19:23 | 1       |
| Chromium  | 21.1   |           | 0.64 | 0.25  | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 19:23 | 1       |
| Cobalt    | 9.2    |           | 0.64 | 0.064 | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 19:23 | 1       |
| Copper    | 21.6   |           | 1.3  | 0.27  | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 19:23 | 1       |
| Iron      | 20300  | ^+        | 12.7 | 4.5   | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 19:23 | 1       |
| Lead      | 36.5   | B         | 1.3  | 0.31  | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 19:23 | 1       |
| Magnesium | 12200  |           | 25.5 | 1.2   | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 19:23 | 1       |
| Manganese | 409    | B         | 0.25 | 0.041 | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 19:23 | 1       |
| Nickel    | 23.6   |           | 6.4  | 0.29  | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 19:23 | 1       |
| Potassium | 3500   |           | 38.2 | 25.5  | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 19:23 | 1       |
| Selenium  | 1.3    | J         | 5.1  | 0.51  | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 19:23 | 1       |
| Silver    | 9.2    |           | 0.76 | 0.25  | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 19:23 | 1       |
| Sodium    | 202    |           | 178  | 16.6  | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 19:23 | 1       |
| Thallium  | ND     |           | 7.6  | 0.38  | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 19:23 | 1       |
| Vanadium  | 30.2   |           | 0.64 | 0.14  | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 19:23 | 1       |
| Zinc      | 110    |           | 2.5  | 0.82  | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 19:23 | 1       |

## Method: 7471B - Mercury (CVAA)

| Analyte | Result | Qualifier | RL    | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------|--------|-----------|-------|-------|-------|---|----------------|----------------|---------|
| Mercury | 0.090  |           | 0.075 | 0.017 | mg/Kg | ☼ | 07/01/21 13:35 | 07/01/21 16:03 | 1       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186368-1

Client Sample ID: SS-08-0002

Lab Sample ID: 480-186368-11

Date Collected: 06/22/21 09:00

Matrix: Solid

Date Received: 06/22/21 12:15

Percent Solids: 60.3

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

| Analyte                       | Result   | Qualifier | RL   | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|----------|-----------|------|------|-------|---|----------------|----------------|---------|
| Biphenyl                      | ND       |           | 280  | 41   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 01:19 | 1       |
| bis (2-chloroisopropyl) ether | ND       |           | 280  | 55   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 01:19 | 1       |
| 2,4,5-Trichlorophenol         | ND       |           | 280  | 75   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 01:19 | 1       |
| 2,4,6-Trichlorophenol         | ND       |           | 280  | 55   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 01:19 | 1       |
| 2,4-Dichlorophenol            | ND       |           | 280  | 29   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 01:19 | 1       |
| 2,4-Dimethylphenol            | ND       |           | 280  | 67   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 01:19 | 1       |
| 2,4-Dinitrophenol             | ND       |           | 2700 | 1300 | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 01:19 | 1       |
| 2,4-Dinitrotoluene            | ND       |           | 280  | 57   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 01:19 | 1       |
| 2,6-Dinitrotoluene            | ND       |           | 280  | 33   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 01:19 | 1       |
| 2-Chloronaphthalene           | ND       |           | 280  | 46   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 01:19 | 1       |
| 2-Chlorophenol                | ND       |           | 540  | 50   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 01:19 | 1       |
| 2-Methylnaphthalene           | ND       |           | 280  | 55   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 01:19 | 1       |
| 2-Methylphenol                | ND       |           | 280  | 33   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 01:19 | 1       |
| 2-Nitroaniline                | ND       |           | 540  | 41   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 01:19 | 1       |
| 2-Nitrophenol                 | ND       |           | 280  | 78   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 01:19 | 1       |
| 3,3'-Dichlorobenzidine        | ND       |           | 540  | 330  | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 01:19 | 1       |
| 3-Nitroaniline                | ND       |           | 540  | 76   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 01:19 | 1       |
| 4,6-Dinitro-2-methylphenol    | ND       |           | 540  | 280  | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 01:19 | 1       |
| 4-Bromophenyl phenyl ether    | ND       |           | 280  | 39   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 01:19 | 1       |
| 4-Chloro-3-methylphenol       | ND       |           | 280  | 68   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 01:19 | 1       |
| 4-Chloroaniline               | ND       |           | 280  | 68   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 01:19 | 1       |
| 4-Chlorophenyl phenyl ether   | ND       |           | 280  | 34   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 01:19 | 1       |
| 4-Methylphenol                | ND       |           | 540  | 33   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 01:19 | 1       |
| 4-Nitroaniline                | ND       |           | 540  | 140  | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 01:19 | 1       |
| 4-Nitrophenol                 | ND       |           | 540  | 190  | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 01:19 | 1       |
| Acenaphthene                  | ND       |           | 280  | 41   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 01:19 | 1       |
| Acenaphthylene                | ND       |           | 280  | 36   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 01:19 | 1       |
| Acetophenone                  | ND       |           | 280  | 37   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 01:19 | 1       |
| Anthracene                    | ND       |           | 280  | 68   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 01:19 | 1       |
| Atrazine                      | ND       |           | 280  | 96   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 01:19 | 1       |
| Benzaldehyde                  | ND       |           | 280  | 220  | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 01:19 | 1       |
| Benzo(a)anthracene            | ND       |           | 280  | 28   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 01:19 | 1       |
| Benzo(a)pyrene                | ND       |           | 280  | 41   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 01:19 | 1       |
| Benzo(b)fluoranthene          | ND       |           | 280  | 44   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 01:19 | 1       |
| Benzo(g,h,i)perylene          | 39 J     |           | 280  | 29   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 01:19 | 1       |
| Benzo(k)fluoranthene          | ND       |           | 280  | 36   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 01:19 | 1       |
| Bis(2-chloroethoxy)methane    | ND       |           | 280  | 59   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 01:19 | 1       |
| Bis(2-chloroethyl)ether       | ND       |           | 280  | 36   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 01:19 | 1       |
| Bis(2-ethylhexyl) phthalate   | ND       |           | 280  | 94   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 01:19 | 1       |
| Butyl benzyl phthalate        | ND       |           | 280  | 46   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 01:19 | 1       |
| Caprolactam                   | ND       |           | 280  | 83   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 01:19 | 1       |
| Carbazole                     | ND       |           | 280  | 33   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 01:19 | 1       |
| Chrysene                      | ND       |           | 280  | 62   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 01:19 | 1       |
| Di-n-butyl phthalate          | 280 -260 | J-B U     | 280  | 47   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 01:19 | 1       |
| Di-n-octyl phthalate          | ND       |           | 280  | 33   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 01:19 | 1       |
| Dibenz(a,h)anthracene         | ND       |           | 280  | 49   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 01:19 | 1       |
| Dibenzofuran                  | ND       |           | 280  | 33   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 01:19 | 1       |
| Diethyl phthalate             | ND       |           | 280  | 36   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 01:19 | 1       |
| Dimethyl phthalate            | ND       |           | 280  | 33   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 01:19 | 1       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186368-1

Client Sample ID: SS-08-0002

Lab Sample ID: 480-186368-11

Date Collected: 06/22/21 09:00

Matrix: Solid

Date Received: 06/22/21 12:15

Percent Solids: 60.3

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

| Analyte                   | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------------|--------|-----------|------|------|-------|---|----------------|----------------|---------|
| Fluoranthene              | 61     | J         | 280  | 29   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 01:19 | 1       |
| Fluorene                  | ND     |           | 280  | 33   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 01:19 | 1       |
| Hexachlorobenzene         | ND     |           | 280  | 37   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 01:19 | 1       |
| Hexachlorobutadiene       | ND     |           | 280  | 41   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 01:19 | 1       |
| Hexachlorocyclopentadiene | ND     |           | 280  | 37   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 01:19 | 1       |
| Hexachloroethane          | ND     |           | 280  | 36   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 01:19 | 1       |
| Indeno(1,2,3-cd)pyrene    | 34     | J         | 280  | 34   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 01:19 | 1       |
| Isophorone                | ND     |           | 280  | 59   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 01:19 | 1       |
| N-Nitrosodi-n-propylamine | ND     |           | 280  | 47   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 01:19 | 1       |
| N-Nitrosodiphenylamine    | ND     |           | 280  | 220  | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 01:19 | 1       |
| Naphthalene               | ND     |           | 280  | 36   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 01:19 | 1       |
| Nitrobenzene              | ND     |           | 280  | 31   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 01:19 | 1       |
| Pentachlorophenol         | ND     |           | 540  | 280  | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 01:19 | 1       |
| Phenanthrene              | ND     |           | 280  | 41   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 01:19 | 1       |
| Phenol                    | ND     |           | 280  | 42   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 01:19 | 1       |
| Pyrene                    | 46     | J         | 280  | 33   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 01:19 | 1       |
| Benzoic acid              | ND     | *+        | 7800 | 2400 | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 01:19 | 1       |

| Surrogate            | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 2,4,6-Tribromophenol | 87        |           | 54 - 120 | 06/30/21 07:50 | 07/07/21 01:19 | 1       |
| 2-Fluorobiphenyl     | 78        |           | 60 - 120 | 06/30/21 07:50 | 07/07/21 01:19 | 1       |
| 2-Fluorophenol       | 71        |           | 52 - 120 | 06/30/21 07:50 | 07/07/21 01:19 | 1       |
| Nitrobenzene-d5      | 75        |           | 53 - 120 | 06/30/21 07:50 | 07/07/21 01:19 | 1       |
| p-Terphenyl-d14      | 82        |           | 79 - 130 | 06/30/21 07:50 | 07/07/21 01:19 | 1       |
| Phenol-d5            | 71        |           | 54 - 120 | 06/30/21 07:50 | 07/07/21 01:19 | 1       |

## Method: 8081B - Organochlorine Pesticides (GC)

| Analyte             | Result | Qualifier | RL  | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|--------|-----------|-----|------|-------|---|----------------|----------------|---------|
| 4,4'-DDD            | ND     |           | 2.7 | 0.53 | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 15:21 | 1       |
| 4,4'-DDE            | 4.1    | J         | 2.7 | 0.57 | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 15:21 | 1       |
| 4,4'-DDT            | 3.8    | NJ        | 2.7 | 0.64 | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 15:21 | 1       |
| Aldrin              | ND     |           | 2.7 | 0.67 | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 15:21 | 1       |
| alpha-BHC           | 0.54   | J         | 2.7 | 0.49 | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 15:21 | 1       |
| cis-Chlordane       | ND     |           | 2.7 | 1.4  | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 15:21 | 1       |
| beta-BHC            | ND     |           | 2.7 | 0.49 | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 15:21 | 1       |
| delta-BHC           | ND     |           | 2.7 | 0.51 | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 15:21 | 1       |
| Dieldrin            | 1.2    | J J       | 2.7 | 0.65 | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 15:21 | 1       |
| Endosulfan I        | ND     |           | 2.7 | 0.52 | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 15:21 | 1       |
| Endosulfan II       | ND     |           | 2.7 | 0.49 | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 15:21 | 1       |
| Endosulfan sulfate  | ND     |           | 2.7 | 0.51 | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 15:21 | 1       |
| Endrin              | ND     |           | 2.7 | 0.54 | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 15:21 | 1       |
| Endrin aldehyde     | 2.7    | 0.79--J U | 2.7 | 0.70 | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 15:21 | 1       |
| Endrin ketone       | ND     |           | 2.7 | 0.67 | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 15:21 | 1       |
| gamma-BHC (Lindane) | ND     |           | 2.7 | 0.50 | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 15:21 | 1       |
| trans-Chlordane     | ND     |           | 2.7 | 0.87 | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 15:21 | 1       |
| Heptachlor          | ND     |           | 2.7 | 0.59 | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 15:21 | 1       |
| Heptachlor epoxide  | ND     |           | 2.7 | 0.70 | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 15:21 | 1       |
| Methoxychlor        | 1.4    | J         | 2.7 | 0.56 | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 15:21 | 1       |
| Toxaphene           | ND     |           | 27  | 16   | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 15:21 | 1       |
| Mirex               | ND     |           | 2.7 | 0.67 | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 15:21 | 1       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186368-1

**Client Sample ID: SS-08-0002**

**Lab Sample ID: 480-186368-11**

**Date Collected: 06/22/21 09:00**

**Matrix: Solid**

**Date Received: 06/22/21 12:15**

**Percent Solids: 60.3**

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| DCB Decachlorobiphenyl | 73        |           | 45 - 120 | 06/29/21 07:46 | 06/30/21 15:21 | 1       |
| DCB Decachlorobiphenyl | 91        |           | 45 - 120 | 06/29/21 07:46 | 06/30/21 15:21 | 1       |
| Tetrachloro-m-xylene   | 80        |           | 30 - 124 | 06/29/21 07:46 | 06/30/21 15:21 | 1       |
| Tetrachloro-m-xylene   | 75        |           | 30 - 124 | 06/29/21 07:46 | 06/30/21 15:21 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| PCB-1016 | ND     |           | 0.36 | 0.070 | mg/Kg | ☼ | 07/01/21 15:01 | 07/06/21 00:24 | 1       |
| PCB-1221 | ND     |           | 0.36 | 0.070 | mg/Kg | ☼ | 07/01/21 15:01 | 07/06/21 00:24 | 1       |
| PCB-1232 | ND     |           | 0.36 | 0.070 | mg/Kg | ☼ | 07/01/21 15:01 | 07/06/21 00:24 | 1       |
| PCB-1242 | ND     |           | 0.36 | 0.070 | mg/Kg | ☼ | 07/01/21 15:01 | 07/06/21 00:24 | 1       |
| PCB-1248 | ND     |           | 0.36 | 0.070 | mg/Kg | ☼ | 07/01/21 15:01 | 07/06/21 00:24 | 1       |
| PCB-1254 | ND     |           | 0.36 | 0.17  | mg/Kg | ☼ | 07/01/21 15:01 | 07/06/21 00:24 | 1       |
| PCB-1260 | ND     |           | 0.36 | 0.17  | mg/Kg | ☼ | 07/01/21 15:01 | 07/06/21 00:24 | 1       |
| PCB-1262 | ND     |           | 0.36 | 0.17  | mg/Kg | ☼ | 07/01/21 15:01 | 07/06/21 00:24 | 1       |
| PCB-1268 | ND     |           | 0.36 | 0.17  | mg/Kg | ☼ | 07/01/21 15:01 | 07/06/21 00:24 | 1       |

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| Tetrachloro-m-xylene   | 126       |           | 60 - 154 | 07/01/21 15:01 | 07/06/21 00:24 | 1       |
| Tetrachloro-m-xylene   | 128       |           | 60 - 154 | 07/01/21 15:01 | 07/06/21 00:24 | 1       |
| DCB Decachlorobiphenyl | 111       |           | 65 - 174 | 07/01/21 15:01 | 07/06/21 00:24 | 1       |
| DCB Decachlorobiphenyl | 104       |           | 65 - 174 | 07/01/21 15:01 | 07/06/21 00:24 | 1       |

## Method: 6010C - Metals (ICP)

| Analyte   | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| Aluminum  | 12000  |           | 17.3 | 7.6   | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 19:27 | 1       |
| Antimony  | ND     |           | 26.0 | 0.69  | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 19:27 | 1       |
| Arsenic   | 2.2    | J         | 3.5  | 0.69  | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 19:27 | 1       |
| Barium    | 71.0   | ^6+       | 0.87 | 0.19  | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 19:27 | 1       |
| Beryllium | 0.57   |           | 0.35 | 0.048 | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 19:27 | 1       |
| Cadmium   | 0.86   |           | 0.35 | 0.052 | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 19:27 | 1       |
| Calcium   | 25900  | B         | 86.6 | 5.7   | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 19:27 | 1       |
| Chromium  | 17.6   |           | 0.87 | 0.35  | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 19:27 | 1       |
| Cobalt    | 7.2    |           | 0.87 | 0.087 | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 19:27 | 1       |
| Copper    | 20.3   |           | 1.7  | 0.36  | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 19:27 | 1       |
| Iron      | 16300  | ^+        | 17.3 | 6.1   | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 19:27 | 1       |
| Lead      | 29.4   | B         | 1.7  | 0.42  | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 19:27 | 1       |
| Magnesium | 11500  |           | 34.6 | 1.6   | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 19:27 | 1       |
| Manganese | 270    | B         | 0.35 | 0.055 | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 19:27 | 1       |
| Nickel    | 19.8   |           | 8.7  | 0.40  | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 19:27 | 1       |
| Potassium | 3270   |           | 51.9 | 34.6  | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 19:27 | 1       |
| Selenium  | 1.0    | J         | 6.9  | 0.69  | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 19:27 | 1       |
| Silver    | 0.39   | J         | 1.0  | 0.35  | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 19:27 | 1       |
| Sodium    | 231    | J         | 242  | 22.5  | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 19:27 | 1       |
| Thallium  | ND     |           | 10.4 | 0.52  | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 19:27 | 1       |
| Vanadium  | 25.1   |           | 0.87 | 0.19  | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 19:27 | 1       |
| Zinc      | 125    |           | 3.5  | 1.1   | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 19:27 | 1       |

## Method: 7471B - Mercury (CVAA)

| Analyte | Result | Qualifier | RL    | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------|--------|-----------|-------|-------|-------|---|----------------|----------------|---------|
| Mercury | 0.086  |           | 0.086 | 0.020 | mg/Kg | ☼ | 07/01/21 13:35 | 07/01/21 16:04 | 1       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186368-1

Client Sample ID: SS-08-0212

Lab Sample ID: 480-186368-12

Date Collected: 06/22/21 09:05

Matrix: Solid

Date Received: 06/22/21 12:15

Percent Solids: 81.4

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

| Analyte                       | Result | Qualifier  | RL   | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|--------|------------|------|-----|-------|---|----------------|----------------|---------|
| Biphenyl                      | ND     |            | 200  | 30  | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 01:43 | 1       |
| bis (2-chloroisopropyl) ether | ND     |            | 200  | 41  | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 01:43 | 1       |
| 2,4,5-Trichlorophenol         | ND     |            | 200  | 55  | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 01:43 | 1       |
| 2,4,6-Trichlorophenol         | ND     |            | 200  | 41  | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 01:43 | 1       |
| 2,4-Dichlorophenol            | ND     |            | 200  | 22  | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 01:43 | 1       |
| 2,4-Dimethylphenol            | ND     |            | 200  | 49  | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 01:43 | 1       |
| 2,4-Dinitrophenol             | ND     |            | 2000 | 940 | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 01:43 | 1       |
| 2,4-Dinitrotoluene            | ND     |            | 200  | 42  | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 01:43 | 1       |
| 2,6-Dinitrotoluene            | ND     |            | 200  | 24  | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 01:43 | 1       |
| 2-Chloronaphthalene           | ND     |            | 200  | 34  | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 01:43 | 1       |
| 2-Chlorophenol                | ND     |            | 400  | 37  | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 01:43 | 1       |
| 2-Methylnaphthalene           | ND     |            | 200  | 41  | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 01:43 | 1       |
| 2-Methylphenol                | ND     |            | 200  | 24  | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 01:43 | 1       |
| 2-Nitroaniline                | ND     |            | 400  | 30  | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 01:43 | 1       |
| 2-Nitrophenol                 | ND     |            | 200  | 58  | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 01:43 | 1       |
| 3,3'-Dichlorobenzidine        | ND     |            | 400  | 240 | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 01:43 | 1       |
| 3-Nitroaniline                | ND     |            | 400  | 57  | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 01:43 | 1       |
| 4,6-Dinitro-2-methylphenol    | ND     |            | 400  | 200 | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 01:43 | 1       |
| 4-Bromophenyl phenyl ether    | ND     |            | 200  | 29  | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 01:43 | 1       |
| 4-Chloro-3-methylphenol       | ND     |            | 200  | 51  | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 01:43 | 1       |
| 4-Chloroaniline               | ND     |            | 200  | 51  | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 01:43 | 1       |
| 4-Chlorophenyl phenyl ether   | ND     |            | 200  | 25  | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 01:43 | 1       |
| 4-Methylphenol                | ND     |            | 400  | 24  | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 01:43 | 1       |
| 4-Nitroaniline                | ND     |            | 400  | 110 | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 01:43 | 1       |
| 4-Nitrophenol                 | ND     |            | 400  | 140 | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 01:43 | 1       |
| Acenaphthene                  | ND     |            | 200  | 30  | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 01:43 | 1       |
| Acenaphthylene                | ND     |            | 200  | 26  | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 01:43 | 1       |
| Acetophenone                  | ND     |            | 200  | 28  | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 01:43 | 1       |
| Anthracene                    | ND     |            | 200  | 51  | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 01:43 | 1       |
| Atrazine                      | ND     |            | 200  | 71  | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 01:43 | 1       |
| Benzaldehyde                  | ND     |            | 200  | 160 | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 01:43 | 1       |
| Benzo(a)anthracene            | ND     |            | 200  | 20  | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 01:43 | 1       |
| Benzo(a)pyrene                | ND     |            | 200  | 30  | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 01:43 | 1       |
| Benzo(b)fluoranthene          | ND     |            | 200  | 32  | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 01:43 | 1       |
| Benzo(g,h,i)perylene          | 24 J   |            | 200  | 22  | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 01:43 | 1       |
| Benzo(k)fluoranthene          | ND     |            | 200  | 26  | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 01:43 | 1       |
| Bis(2-chloroethoxy)methane    | ND     |            | 200  | 43  | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 01:43 | 1       |
| Bis(2-chloroethyl)ether       | ND     |            | 200  | 26  | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 01:43 | 1       |
| Bis(2-ethylhexyl) phthalate   | ND     |            | 200  | 70  | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 01:43 | 1       |
| Butyl benzyl phthalate        | ND     |            | 200  | 34  | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 01:43 | 1       |
| Caprolactam                   | ND     |            | 200  | 61  | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 01:43 | 1       |
| Carbazole                     | ND     |            | 200  | 24  | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 01:43 | 1       |
| Chrysene                      | ND     |            | 200  | 46  | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 01:43 | 1       |
| Di-n-butyl phthalate          | 200    | 130-J-B- U | 200  | 35  | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 01:43 | 1       |
| Di-n-octyl phthalate          | ND     |            | 200  | 24  | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 01:43 | 1       |
| Dibenz(a,h)anthracene         | ND     |            | 200  | 36  | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 01:43 | 1       |
| Dibenzofuran                  | ND     |            | 200  | 24  | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 01:43 | 1       |
| Diethyl phthalate             | ND     |            | 200  | 26  | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 01:43 | 1       |
| Dimethyl phthalate            | ND     |            | 200  | 24  | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 01:43 | 1       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186368-1

Client Sample ID: SS-08-0212

Lab Sample ID: 480-186368-12

Date Collected: 06/22/21 09:05

Matrix: Solid

Date Received: 06/22/21 12:15

Percent Solids: 81.4

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

| Analyte                   | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------------|--------|-----------|------|------|-------|---|----------------|----------------|---------|
| Fluoranthene              | ND     |           | 200  | 22   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 01:43 | 1       |
| Fluorene                  | ND     |           | 200  | 24   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 01:43 | 1       |
| Hexachlorobenzene         | ND     |           | 200  | 28   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 01:43 | 1       |
| Hexachlorobutadiene       | ND     |           | 200  | 30   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 01:43 | 1       |
| Hexachlorocyclopentadiene | ND     |           | 200  | 28   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 01:43 | 1       |
| Hexachloroethane          | ND     |           | 200  | 26   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 01:43 | 1       |
| Indeno(1,2,3-cd)pyrene    | ND     |           | 200  | 25   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 01:43 | 1       |
| Isophorone                | ND     |           | 200  | 43   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 01:43 | 1       |
| N-Nitrosodi-n-propylamine | ND     |           | 200  | 35   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 01:43 | 1       |
| N-Nitrosodiphenylamine    | ND     |           | 200  | 170  | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 01:43 | 1       |
| Naphthalene               | ND     |           | 200  | 26   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 01:43 | 1       |
| Nitrobenzene              | ND     |           | 200  | 23   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 01:43 | 1       |
| Pentachlorophenol         | ND     |           | 400  | 200  | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 01:43 | 1       |
| Phenanthrene              | ND     |           | 200  | 30   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 01:43 | 1       |
| Phenol                    | ND     |           | 200  | 31   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 01:43 | 1       |
| Pyrene                    | ND     |           | 200  | 24   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 01:43 | 1       |
| Benzoic acid              | ND     | *+        | 5800 | 1800 | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 01:43 | 1       |

| Surrogate            | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 2,4,6-Tribromophenol | 88        |           | 54 - 120 | 06/30/21 07:50 | 07/07/21 01:43 | 1       |
| 2-Fluorobiphenyl     | 77        |           | 60 - 120 | 06/30/21 07:50 | 07/07/21 01:43 | 1       |
| 2-Fluorophenol       | 68        |           | 52 - 120 | 06/30/21 07:50 | 07/07/21 01:43 | 1       |
| Nitrobenzene-d5      | 76        |           | 53 - 120 | 06/30/21 07:50 | 07/07/21 01:43 | 1       |
| p-Terphenyl-d14      | 85        |           | 79 - 130 | 06/30/21 07:50 | 07/07/21 01:43 | 1       |
| Phenol-d5            | 70        |           | 54 - 120 | 06/30/21 07:50 | 07/07/21 01:43 | 1       |

## Method: 8081B - Organochlorine Pesticides (GC)

| Analyte             | Result         | Qualifier | RL  | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------------|-----------|-----|------|-------|---|----------------|----------------|---------|
| 4,4'-DDD            | ND             |           | 2.0 | 0.39 | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 15:40 | 1       |
| 4,4'-DDE            | 2.0            |           | 2.0 | 0.43 | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 15:40 | 1       |
| 4,4'-DDT            | 2.8            | R         | 2.0 | 0.48 | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 15:40 | 1       |
| Aldrin              | ND             |           | 2.0 | 0.50 | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 15:40 | 1       |
| alpha-BHC           | ND             |           | 2.0 | 0.37 | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 15:40 | 1       |
| cis-Chlordane       | ND             |           | 2.0 | 1.0  | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 15:40 | 1       |
| beta-BHC            | 2.2            | R         | 2.0 | 0.37 | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 15:40 | 1       |
| delta-BHC           | ND             |           | 2.0 | 0.38 | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 15:40 | 1       |
| Dieldrin            | ND             |           | 2.0 | 0.49 | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 15:40 | 1       |
| Endosulfan I        | ND             |           | 2.0 | 0.39 | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 15:40 | 1       |
| Endosulfan II       | ND             |           | 2.0 | 0.37 | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 15:40 | 1       |
| Endosulfan sulfate  | ND             |           | 2.0 | 0.38 | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 15:40 | 1       |
| Endrin              | ND             |           | 2.0 | 0.40 | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 15:40 | 1       |
| Endrin aldehyde     | 2.0 -0.53--J U |           | 2.0 | 0.52 | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 15:40 | 1       |
| Endrin ketone       | ND             |           | 2.0 | 0.50 | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 15:40 | 1       |
| gamma-BHC (Lindane) | ND             |           | 2.0 | 0.37 | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 15:40 | 1       |
| trans-Chlordane     | ND             |           | 2.0 | 0.65 | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 15:40 | 1       |
| Heptachlor          | ND             |           | 2.0 | 0.44 | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 15:40 | 1       |
| Heptachlor epoxide  | ND             |           | 2.0 | 0.52 | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 15:40 | 1       |
| Methoxychlor        | ND             |           | 2.0 | 0.41 | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 15:40 | 1       |
| Toxaphene           | ND             |           | 20  | 12   | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 15:40 | 1       |
| Mirex               | ND             |           | 2.0 | 0.50 | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 15:40 | 1       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186368-1

**Client Sample ID: SS-08-0212**

**Lab Sample ID: 480-186368-12**

**Date Collected: 06/22/21 09:05**

**Matrix: Solid**

**Date Received: 06/22/21 12:15**

**Percent Solids: 81.4**

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| DCB Decachlorobiphenyl | 114       |           | 45 - 120 | 06/29/21 07:46 | 06/30/21 15:40 | 1       |
| DCB Decachlorobiphenyl | 94        |           | 45 - 120 | 06/29/21 07:46 | 06/30/21 15:40 | 1       |
| Tetrachloro-m-xylene   | 92        |           | 30 - 124 | 06/29/21 07:46 | 06/30/21 15:40 | 1       |
| Tetrachloro-m-xylene   | 70        |           | 30 - 124 | 06/29/21 07:46 | 06/30/21 15:40 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| PCB-1016 | ND     |           | 0.26 | 0.050 | mg/Kg | ☼ | 07/01/21 15:01 | 07/06/21 00:36 | 1       |
| PCB-1221 | ND     |           | 0.26 | 0.050 | mg/Kg | ☼ | 07/01/21 15:01 | 07/06/21 00:36 | 1       |
| PCB-1232 | ND     |           | 0.26 | 0.050 | mg/Kg | ☼ | 07/01/21 15:01 | 07/06/21 00:36 | 1       |
| PCB-1242 | ND     |           | 0.26 | 0.050 | mg/Kg | ☼ | 07/01/21 15:01 | 07/06/21 00:36 | 1       |
| PCB-1248 | ND     |           | 0.26 | 0.050 | mg/Kg | ☼ | 07/01/21 15:01 | 07/06/21 00:36 | 1       |
| PCB-1254 | ND     |           | 0.26 | 0.12  | mg/Kg | ☼ | 07/01/21 15:01 | 07/06/21 00:36 | 1       |
| PCB-1260 | ND     |           | 0.26 | 0.12  | mg/Kg | ☼ | 07/01/21 15:01 | 07/06/21 00:36 | 1       |
| PCB-1262 | ND     |           | 0.26 | 0.12  | mg/Kg | ☼ | 07/01/21 15:01 | 07/06/21 00:36 | 1       |
| PCB-1268 | ND     |           | 0.26 | 0.12  | mg/Kg | ☼ | 07/01/21 15:01 | 07/06/21 00:36 | 1       |

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| Tetrachloro-m-xylene   | 154       |           | 60 - 154 | 07/01/21 15:01 | 07/06/21 00:36 | 1       |
| Tetrachloro-m-xylene   | 160       | S1+       | 60 - 154 | 07/01/21 15:01 | 07/06/21 00:36 | 1       |
| DCB Decachlorobiphenyl | 152       |           | 65 - 174 | 07/01/21 15:01 | 07/06/21 00:36 | 1       |
| DCB Decachlorobiphenyl | 141       |           | 65 - 174 | 07/01/21 15:01 | 07/06/21 00:36 | 1       |

## Method: 6010C - Metals (ICP)

| Analyte   | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| Aluminum  | 13200  |           | 12.7 | 5.6   | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 19:41 | 1       |
| Antimony  | ND     |           | 19.0 | 0.51  | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 19:41 | 1       |
| Arsenic   | 4.0    |           | 2.5  | 0.51  | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 19:41 | 1       |
| Barium    | 79.5   | ^6+       | 0.63 | 0.14  | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 19:41 | 1       |
| Beryllium | 0.61   |           | 0.25 | 0.036 | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 19:41 | 1       |
| Cadmium   | 0.42   |           | 0.25 | 0.038 | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 19:41 | 1       |
| Calcium   | 41900  | B         | 63.5 | 4.2   | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 19:41 | 1       |
| Chromium  | 19.3   |           | 0.63 | 0.25  | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 19:41 | 1       |
| Cobalt    | 9.2    |           | 0.63 | 0.063 | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 19:41 | 1       |
| Copper    | 18.9   |           | 1.3  | 0.27  | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 19:41 | 1       |
| Iron      | 18800  |           | 12.7 | 4.4   | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 19:41 | 1       |
| Lead      | 22.2   | B         | 1.3  | 0.30  | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 19:41 | 1       |
| Magnesium | 13500  |           | 25.4 | 1.2   | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 19:41 | 1       |
| Manganese | 415    | B         | 0.25 | 0.041 | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 19:41 | 1       |
| Nickel    | 22.6   |           | 6.3  | 0.29  | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 19:41 | 1       |
| Potassium | 3160   |           | 38.1 | 25.4  | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 19:41 | 1       |
| Selenium  | 1.5    | J         | 5.1  | 0.51  | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 19:41 | 1       |
| Silver    | ND     |           | 0.76 | 0.25  | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 19:41 | 1       |
| Sodium    | 210    |           | 178  | 16.5  | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 19:41 | 1       |
| Thallium  | ND     |           | 7.6  | 0.38  | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 19:41 | 1       |
| Vanadium  | 28.3   |           | 0.63 | 0.14  | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 19:41 | 1       |
| Zinc      | 73.0   |           | 2.5  | 0.81  | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 19:41 | 1       |

## Method: 7471B - Mercury (CVAA)

| Analyte | Result | Qualifier | RL    | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------|--------|-----------|-------|-------|-------|---|----------------|----------------|---------|
| Mercury | 0.060  |           | 0.050 | 0.011 | mg/Kg | ☼ | 07/01/21 13:35 | 07/01/21 16:05 | 1       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186368-1

**Client Sample ID: SS-13-0002**

**Lab Sample ID: 480-186368-13**

**Date Collected: 06/22/21 08:40**

**Matrix: Solid**

**Date Received: 06/22/21 12:15**

**Percent Solids: 45.1**

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

| Analyte                       | Result        | Qualifier | RL    | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|---------------|-----------|-------|------|-------|---|----------------|----------------|---------|
| Biphenyl                      | ND            |           | 1800  | 270  | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 21:23 | 5       |
| bis (2-chloroisopropyl) ether | ND            |           | 1800  | 370  | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 21:23 | 5       |
| 2,4,5-Trichlorophenol         | ND            |           | 1800  | 500  | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 21:23 | 5       |
| 2,4,6-Trichlorophenol         | ND            |           | 1800  | 370  | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 21:23 | 5       |
| 2,4-Dichlorophenol            | ND            |           | 1800  | 190  | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 21:23 | 5       |
| 2,4-Dimethylphenol            | ND            |           | 1800  | 440  | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 21:23 | 5       |
| 2,4-Dinitrophenol             | ND            |           | 18000 | 8500 | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 21:23 | 5       |
| 2,4-Dinitrotoluene            | ND            |           | 1800  | 380  | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 21:23 | 5       |
| 2,6-Dinitrotoluene            | ND            |           | 1800  | 220  | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 21:23 | 5       |
| 2-Chloronaphthalene           | ND            |           | 1800  | 300  | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 21:23 | 5       |
| 2-Chlorophenol                | ND            |           | 3600  | 330  | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 21:23 | 5       |
| 2-Methylnaphthalene           | ND            |           | 1800  | 370  | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 21:23 | 5       |
| 2-Methylphenol                | ND            |           | 1800  | 220  | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 21:23 | 5       |
| 2-Nitroaniline                | ND            |           | 3600  | 270  | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 21:23 | 5       |
| 2-Nitrophenol                 | ND            |           | 1800  | 520  | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 21:23 | 5       |
| 3,3'-Dichlorobenzidine        | ND            |           | 3600  | 2200 | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 21:23 | 5       |
| 3-Nitroaniline                | ND            |           | 3600  | 510  | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 21:23 | 5       |
| 4,6-Dinitro-2-methylphenol    | ND            |           | 3600  | 1800 | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 21:23 | 5       |
| 4-Bromophenyl phenyl ether    | ND            |           | 1800  | 260  | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 21:23 | 5       |
| 4-Chloro-3-methylphenol       | ND            |           | 1800  | 450  | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 21:23 | 5       |
| 4-Chloroaniline               | ND            |           | 1800  | 450  | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 21:23 | 5       |
| 4-Chlorophenyl phenyl ether   | ND            |           | 1800  | 230  | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 21:23 | 5       |
| 4-Methylphenol                | ND            |           | 3600  | 220  | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 21:23 | 5       |
| 4-Nitroaniline                | ND            |           | 3600  | 960  | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 21:23 | 5       |
| 4-Nitrophenol                 | ND            |           | 3600  | 1300 | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 21:23 | 5       |
| Acenaphthene                  | ND            |           | 1800  | 270  | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 21:23 | 5       |
| Acenaphthylene                | ND            |           | 1800  | 240  | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 21:23 | 5       |
| Acetophenone                  | ND            |           | 1800  | 250  | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 21:23 | 5       |
| Anthracene                    | ND            |           | 1800  | 450  | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 21:23 | 5       |
| Atrazine                      | ND            |           | 1800  | 640  | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 21:23 | 5       |
| Benzaldehyde                  | ND            |           | 1800  | 1500 | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 21:23 | 5       |
| <b>Benzo(a)anthracene</b>     | <b>570 J</b>  |           | 1800  | 180  | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 21:23 | 5       |
| <b>Benzo(a)pyrene</b>         | <b>530 J</b>  |           | 1800  | 270  | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 21:23 | 5       |
| <b>Benzo(b)fluoranthene</b>   | <b>1000 J</b> |           | 1800  | 290  | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 21:23 | 5       |
| <b>Benzo(g,h,i)perylene</b>   | <b>360 J</b>  |           | 1800  | 190  | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 21:23 | 5       |
| Benzo(k)fluoranthene          | ND            |           | 1800  | 240  | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 21:23 | 5       |
| Bis(2-chloroethoxy)methane    | ND            |           | 1800  | 390  | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 21:23 | 5       |
| Bis(2-chloroethyl)ether       | ND            |           | 1800  | 240  | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 21:23 | 5       |
| Bis(2-ethylhexyl) phthalate   | ND            |           | 1800  | 630  | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 21:23 | 5       |
| <b>Butyl benzyl phthalate</b> | <b>710 J</b>  |           | 1800  | 300  | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 21:23 | 5       |
| Caprolactam                   | ND            |           | 1800  | 550  | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 21:23 | 5       |
| Carbazole                     | ND            |           | 1800  | 220  | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 21:23 | 5       |
| <b>Chrysene</b>               | <b>570 J</b>  |           | 1800  | 410  | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 21:23 | 5       |
| Di-n-butyl phthalate          | ND            |           | 1800  | 310  | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 21:23 | 5       |
| Di-n-octyl phthalate          | ND            |           | 1800  | 220  | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 21:23 | 5       |
| Dibenz(a,h)anthracene         | ND            |           | 1800  | 320  | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 21:23 | 5       |
| Dibenzofuran                  | ND            |           | 1800  | 220  | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 21:23 | 5       |
| Diethyl phthalate             | ND            |           | 1800  | 240  | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 21:23 | 5       |
| Dimethyl phthalate            | ND            |           | 1800  | 220  | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 21:23 | 5       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186368-1

Client Sample ID: SS-13-0002

Lab Sample ID: 480-186368-13

Date Collected: 06/22/21 08:40

Matrix: Solid

Date Received: 06/22/21 12:15

Percent Solids: 45.1

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

| Analyte                   | Result | Qualifier | RL    | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------------|--------|-----------|-------|-------|-------|---|----------------|----------------|---------|
| Fluoranthene              | 1200   | J         | 1800  | 190   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 21:23 | 5       |
| Fluorene                  | ND     |           | 1800  | 220   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 21:23 | 5       |
| Hexachlorobenzene         | ND     |           | 1800  | 250   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 21:23 | 5       |
| Hexachlorobutadiene       | ND     |           | 1800  | 270   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 21:23 | 5       |
| Hexachlorocyclopentadiene | ND     |           | 1800  | 250   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 21:23 | 5       |
| Hexachloroethane          | ND     |           | 1800  | 240   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 21:23 | 5       |
| Indeno(1,2,3-cd)pyrene    | 320    | J         | 1800  | 230   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 21:23 | 5       |
| Isophorone                | ND     |           | 1800  | 390   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 21:23 | 5       |
| N-Nitrosodi-n-propylamine | ND     |           | 1800  | 310   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 21:23 | 5       |
| N-Nitrosodiphenylamine    | ND     |           | 1800  | 1500  | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 21:23 | 5       |
| Naphthalene               | ND     |           | 1800  | 240   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 21:23 | 5       |
| Nitrobenzene              | ND     |           | 1800  | 200   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 21:23 | 5       |
| Pentachlorophenol         | ND     |           | 3600  | 1800  | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 21:23 | 5       |
| Phenanthrene              | 500    | J         | 1800  | 270   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 21:23 | 5       |
| Phenol                    | ND     |           | 1800  | 280   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 21:23 | 5       |
| Pyrene                    | 910    | J         | 1800  | 220   | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 21:23 | 5       |
| Benzoic acid              | ND     | F1 *+     | 52000 | 16000 | ug/Kg | ☼ | 06/30/21 07:50 | 07/06/21 21:23 | 5       |

| Surrogate            | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 2,4,6-Tribromophenol | 78        |           | 54 - 120 | 06/30/21 07:50 | 07/06/21 21:23 | 5       |
| 2-Fluorobiphenyl     | 79        |           | 60 - 120 | 06/30/21 07:50 | 07/06/21 21:23 | 5       |
| 2-Fluorophenol       | 66        |           | 52 - 120 | 06/30/21 07:50 | 07/06/21 21:23 | 5       |
| Nitrobenzene-d5      | 70        |           | 53 - 120 | 06/30/21 07:50 | 07/06/21 21:23 | 5       |
| p-Terphenyl-d14      | 83        |           | 79 - 130 | 06/30/21 07:50 | 07/06/21 21:23 | 5       |
| Phenol-d5            | 67        |           | 54 - 120 | 06/30/21 07:50 | 07/06/21 21:23 | 5       |

## Method: 8081B - Organochlorine Pesticides (GC)

| Analyte             | Result | Qualifier | RL  | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|--------|-----------|-----|-----|-------|---|----------------|----------------|---------|
| 4,4'-DDD            | ND     |           | 37  | 7.1 | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 11:06 | 10      |
| 4,4'-DDE            | ND     |           | 37  | 7.7 | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 11:06 | 10      |
| 4,4'-DDT            | ND     | F1        | 37  | 8.6 | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 11:06 | 10      |
| Aldrin              | ND     |           | 37  | 9.0 | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 11:06 | 10      |
| alpha-BHC           | ND     |           | 37  | 6.6 | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 11:06 | 10      |
| cis-Chlordane       | ND     |           | 37  | 18  | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 11:06 | 10      |
| beta-BHC            | ND     |           | 37  | 6.6 | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 11:06 | 10      |
| delta-BHC           | ND     |           | 37  | 6.8 | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 11:06 | 10      |
| Dieldrin            | ND     |           | 37  | 8.8 | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 11:06 | 10      |
| Endosulfan I        | ND     |           | 37  | 7.0 | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 11:06 | 10      |
| Endosulfan II       | ND     |           | 37  | 6.6 | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 11:06 | 10      |
| Endosulfan sulfate  | ND     |           | 37  | 6.8 | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 11:06 | 10      |
| Endrin              | ND     |           | 37  | 7.2 | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 11:06 | 10      |
| Endrin aldehyde     | 47     | F1        | 37  | 9.3 | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 11:06 | 10      |
| Endrin ketone       | ND     |           | 37  | 9.0 | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 11:06 | 10      |
| gamma-BHC (Lindane) | ND     |           | 37  | 6.7 | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 11:06 | 10      |
| trans-Chlordane     | ND     |           | 37  | 12  | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 11:06 | 10      |
| Heptachlor          | ND     |           | 37  | 7.9 | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 11:06 | 10      |
| Heptachlor epoxide  | ND     | F1        | 37  | 9.4 | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 11:06 | 10      |
| Methoxychlor        | ND     | F1        | 37  | 7.5 | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 11:06 | 10      |
| Toxaphene           | ND     |           | 370 | 210 | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 11:06 | 10      |
| Mirex               | ND     |           | 37  | 9.0 | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 11:06 | 10      |

Eurofins TestAmerica, Buffalo

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186368-1

**Client Sample ID: SS-13-0002**

**Lab Sample ID: 480-186368-13**

**Date Collected: 06/22/21 08:40**

**Matrix: Solid**

**Date Received: 06/22/21 12:15**

**Percent Solids: 45.1**

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| DCB Decachlorobiphenyl | 110       |           | 45 - 120 | 06/29/21 07:46 | 06/30/21 11:06 | 10      |
| DCB Decachlorobiphenyl | 86        |           | 45 - 120 | 06/29/21 07:46 | 06/30/21 11:06 | 10      |
| Tetrachloro-m-xylene   | 0         | S1-       | 30 - 124 | 06/29/21 07:46 | 06/30/21 11:06 | 10      |
| Tetrachloro-m-xylene   | 0         | S1-       | 30 - 124 | 06/29/21 07:46 | 06/30/21 11:06 | 10      |

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

| Analyte         | Result      | Qualifier  | RL   | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------|-------------|------------|------|------|-------|---|----------------|----------------|---------|
| PCB-1016        | ND          |            | 0.51 | 0.10 | mg/Kg | ☼ | 07/01/21 15:01 | 07/05/21 22:15 | 1       |
| PCB-1221        | ND          |            | 0.51 | 0.10 | mg/Kg | ☼ | 07/01/21 15:01 | 07/05/21 22:15 | 1       |
| PCB-1232        | ND          |            | 0.51 | 0.10 | mg/Kg | ☼ | 07/01/21 15:01 | 07/05/21 22:15 | 1       |
| PCB-1242        | ND          |            | 0.51 | 0.10 | mg/Kg | ☼ | 07/01/21 15:01 | 07/05/21 22:15 | 1       |
| PCB-1248        | ND          |            | 0.51 | 0.10 | mg/Kg | ☼ | 07/01/21 15:01 | 07/05/21 22:15 | 1       |
| PCB-1254        | ND          |            | 0.51 | 0.24 | mg/Kg | ☼ | 07/01/21 15:01 | 07/05/21 22:15 | 1       |
| <b>PCB-1260</b> | <b>0.36</b> | <b>J J</b> | 0.51 | 0.24 | mg/Kg | ☼ | 07/01/21 15:01 | 07/05/21 22:15 | 1       |
| PCB-1262        | ND          |            | 0.51 | 0.24 | mg/Kg | ☼ | 07/01/21 15:01 | 07/05/21 22:15 | 1       |
| PCB-1268        | ND          |            | 0.51 | 0.24 | mg/Kg | ☼ | 07/01/21 15:01 | 07/05/21 22:15 | 1       |

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| Tetrachloro-m-xylene   | 123       |           | 60 - 154 | 07/01/21 15:01 | 07/05/21 22:15 | 1       |
| Tetrachloro-m-xylene   | 127       |           | 60 - 154 | 07/01/21 15:01 | 07/05/21 22:15 | 1       |
| DCB Decachlorobiphenyl | 116       |           | 65 - 174 | 07/01/21 15:01 | 07/05/21 22:15 | 1       |
| DCB Decachlorobiphenyl | 113       |           | 65 - 174 | 07/01/21 15:01 | 07/05/21 22:15 | 1       |

## Method: 6010C - Metals (ICP)

| Analyte          | Result       | Qualifier       | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|------------------|--------------|-----------------|------|-------|-------|---|----------------|----------------|---------|
| <b>Aluminum</b>  | <b>10600</b> | <b>F1 J</b>     | 23.1 | 10.2  | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 19:45 | 1       |
| Antimony         | ND           |                 | 34.7 | 0.92  | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 19:45 | 1       |
| <b>Arsenic</b>   | <b>3.8</b>   | <b>J</b>        | 4.6  | 0.92  | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 19:45 | 1       |
| <b>Barium</b>    | <b>146</b>   | <b>^6+ F1 J</b> | 1.2  | 0.25  | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 19:45 | 1       |
| <b>Beryllium</b> | <b>0.55</b>  |                 | 0.46 | 0.065 | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 19:45 | 1       |
| <b>Cadmium</b>   | <b>5.2</b>   |                 | 0.46 | 0.069 | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 19:45 | 1       |
| <b>Calcium</b>   | <b>26800</b> | <b>B J</b>      | 116  | 7.6   | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 19:45 | 1       |
| <b>Chromium</b>  | <b>126</b>   |                 | 1.2  | 0.46  | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 19:45 | 1       |
| <b>Cobalt</b>    | <b>8.7</b>   |                 | 1.2  | 0.12  | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 19:45 | 1       |
| <b>Copper</b>    | <b>82.8</b>  |                 | 2.3  | 0.49  | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 19:45 | 1       |
| <b>Iron</b>      | <b>18400</b> | <b>F1 J</b>     | 23.1 | 8.1   | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 19:45 | 1       |
| <b>Lead</b>      | <b>599</b>   | <b>B</b>        | 2.3  | 0.55  | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 19:45 | 1       |
| <b>Magnesium</b> | <b>9980</b>  | <b>F1 J</b>     | 46.2 | 2.1   | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 19:45 | 1       |
| <b>Manganese</b> | <b>264</b>   | <b>B F1 J</b>   | 0.46 | 0.074 | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 19:45 | 1       |
| <b>Nickel</b>    | <b>51.1</b>  |                 | 11.6 | 0.53  | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 19:45 | 1       |
| <b>Potassium</b> | <b>2470</b>  | <b>F1 J</b>     | 69.4 | 46.2  | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 19:45 | 1       |
| Selenium         | ND           |                 | 9.2  | 0.92  | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 19:45 | 1       |
| <b>Silver</b>    | <b>4.8</b>   |                 | 1.4  | 0.46  | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 19:45 | 1       |
| <b>Sodium</b>    | <b>202</b>   | <b>J</b>        | 324  | 30.1  | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 19:45 | 1       |
| Thallium         | ND           |                 | 13.9 | 0.69  | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 19:45 | 1       |
| <b>Vanadium</b>  | <b>45.5</b>  |                 | 1.2  | 0.25  | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 19:45 | 1       |
| <b>Zinc</b>      | <b>1310</b>  |                 | 4.6  | 1.5   | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 19:45 | 1       |

## Method: 7471B - Mercury (CVAA)

| Analyte        | Result      | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------------|-------------|-----------|------|-------|-------|---|----------------|----------------|---------|
| <b>Mercury</b> | <b>0.95</b> | <b>J</b>  | 0.13 | 0.031 | mg/Kg | ☼ | 07/01/21 13:35 | 07/01/21 16:07 | 1       |

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ALH 8/3/21

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186368-1

**Client Sample ID: SS-13-0212**

**Lab Sample ID: 480-186368-14**

**Date Collected: 06/22/21 08:45**

**Matrix: Solid**

**Date Received: 06/22/21 12:15**

**Percent Solids: 55.7**

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

| Analyte                       | Result        | Qualifier | RL     | MDL    | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|---------------|-----------|--------|--------|-------|---|----------------|----------------|---------|
| Biphenyl                      | ND            |           | 30000  | 4400   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 02:07 | 10      |
| bis (2-chloroisopropyl) ether | ND            |           | 30000  | 6000   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 02:07 | 10      |
| 2,4,5-Trichlorophenol         | ND            |           | 30000  | 8100   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 02:07 | 10      |
| 2,4,6-Trichlorophenol         | ND            |           | 30000  | 6000   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 02:07 | 10      |
| 2,4-Dichlorophenol            | ND            |           | 30000  | 3200   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 02:07 | 10      |
| 2,4-Dimethylphenol            | ND            |           | 30000  | 7200   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 02:07 | 10      |
| 2,4-Dinitrophenol             | ND            |           | 290000 | 140000 | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 02:07 | 10      |
| 2,4-Dinitrotoluene            | ND            |           | 30000  | 6100   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 02:07 | 10      |
| 2,6-Dinitrotoluene            | ND            |           | 30000  | 3500   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 02:07 | 10      |
| 2-Chloronaphthalene           | ND            |           | 30000  | 4900   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 02:07 | 10      |
| 2-Chlorophenol                | ND            |           | 58000  | 5400   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 02:07 | 10      |
| 2-Methylnaphthalene           | ND            |           | 30000  | 6000   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 02:07 | 10      |
| 2-Methylphenol                | ND            |           | 30000  | 3500   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 02:07 | 10      |
| 2-Nitroaniline                | ND            |           | 58000  | 4400   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 02:07 | 10      |
| 2-Nitrophenol                 | ND            |           | 30000  | 8400   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 02:07 | 10      |
| 3,3'-Dichlorobenzidine        | ND            |           | 58000  | 35000  | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 02:07 | 10      |
| 3-Nitroaniline                | ND            |           | 58000  | 8200   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 02:07 | 10      |
| 4,6-Dinitro-2-methylphenol    | ND            |           | 58000  | 30000  | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 02:07 | 10      |
| 4-Bromophenyl phenyl ether    | ND            |           | 30000  | 4200   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 02:07 | 10      |
| 4-Chloro-3-methylphenol       | ND            |           | 30000  | 7400   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 02:07 | 10      |
| 4-Chloroaniline               | ND            |           | 30000  | 7400   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 02:07 | 10      |
| 4-Chlorophenyl phenyl ether   | ND            |           | 30000  | 3700   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 02:07 | 10      |
| 4-Methylphenol                | ND            |           | 58000  | 3500   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 02:07 | 10      |
| 4-Nitroaniline                | ND            |           | 58000  | 16000  | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 02:07 | 10      |
| 4-Nitrophenol                 | ND            |           | 58000  | 21000  | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 02:07 | 10      |
| Acenaphthene                  | ND            |           | 30000  | 4400   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 02:07 | 10      |
| Acenaphthylene                | ND            |           | 30000  | 3900   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 02:07 | 10      |
| Acetophenone                  | ND            |           | 30000  | 4000   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 02:07 | 10      |
| Anthracene                    | ND            |           | 30000  | 7400   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 02:07 | 10      |
| Atrazine                      | ND            |           | 30000  | 10000  | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 02:07 | 10      |
| Benzaldehyde                  | ND            |           | 30000  | 24000  | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 02:07 | 10      |
| <b>Benzo(a)anthracene</b>     | <b>3400 J</b> |           | 30000  | 3000   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 02:07 | 10      |
| Benzo(a)pyrene                | ND            |           | 30000  | 4400   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 02:07 | 10      |
| <b>Benzo(b)fluoranthene</b>   | <b>4900 J</b> |           | 30000  | 4700   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 02:07 | 10      |
| Benzo(g,h,i)perylene          | ND            |           | 30000  | 3200   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 02:07 | 10      |
| Benzo(k)fluoranthene          | ND            |           | 30000  | 3900   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 02:07 | 10      |
| Bis(2-chloroethoxy)methane    | ND            |           | 30000  | 6300   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 02:07 | 10      |
| Bis(2-chloroethyl)ether       | ND            |           | 30000  | 3900   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 02:07 | 10      |
| Bis(2-ethylhexyl) phthalate   | ND            |           | 30000  | 10000  | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 02:07 | 10      |
| Butyl benzyl phthalate        | ND            |           | 30000  | 4900   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 02:07 | 10      |
| Caprolactam                   | ND            |           | 30000  | 8900   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 02:07 | 10      |
| Carbazole                     | ND            |           | 30000  | 3500   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 02:07 | 10      |
| Chrysene                      | ND            |           | 30000  | 6700   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 02:07 | 10      |
| Di-n-butyl phthalate          | ND            |           | 30000  | 5100   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 02:07 | 10      |
| Di-n-octyl phthalate          | ND            |           | 30000  | 3500   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 02:07 | 10      |
| Dibenz(a,h)anthracene         | ND            |           | 30000  | 5300   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 02:07 | 10      |
| Dibenzofuran                  | ND            |           | 30000  | 3500   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 02:07 | 10      |
| Diethyl phthalate             | ND            |           | 30000  | 3900   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 02:07 | 10      |
| Dimethyl phthalate            | ND            |           | 30000  | 3500   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 02:07 | 10      |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186368-1

**Client Sample ID: SS-13-0212**

**Lab Sample ID: 480-186368-14**

**Date Collected: 06/22/21 08:45**

**Matrix: Solid**

**Date Received: 06/22/21 12:15**

**Percent Solids: 55.7**

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

| Analyte                   | Result | Qualifier | RL     | MDL    | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------------|--------|-----------|--------|--------|-------|---|----------------|----------------|---------|
| Fluoranthene              | 7300   | J         | 30000  | 3200   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 02:07 | 10      |
| Fluorene                  | ND     |           | 30000  | 3500   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 02:07 | 10      |
| Hexachlorobenzene         | ND     |           | 30000  | 4000   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 02:07 | 10      |
| Hexachlorobutadiene       | ND     |           | 30000  | 4400   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 02:07 | 10      |
| Hexachlorocyclopentadiene | ND     |           | 30000  | 4000   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 02:07 | 10      |
| Hexachloroethane          | ND     |           | 30000  | 3900   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 02:07 | 10      |
| Indeno(1,2,3-cd)pyrene    | ND     |           | 30000  | 3700   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 02:07 | 10      |
| Isophorone                | ND     |           | 30000  | 6300   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 02:07 | 10      |
| N-Nitrosodi-n-propylamine | ND     |           | 30000  | 5100   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 02:07 | 10      |
| N-Nitrosodiphenylamine    | ND     |           | 30000  | 24000  | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 02:07 | 10      |
| Naphthalene               | ND     |           | 30000  | 3900   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 02:07 | 10      |
| Nitrobenzene              | ND     |           | 30000  | 3300   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 02:07 | 10      |
| Pentachlorophenol         | ND     |           | 58000  | 30000  | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 02:07 | 10      |
| Phenanthrene              | ND     |           | 30000  | 4400   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 02:07 | 10      |
| Phenol                    | ND     |           | 30000  | 4600   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 02:07 | 10      |
| Pyrene                    | 6200   | J         | 30000  | 3500   | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 02:07 | 10      |
| Benzoic acid              | ND     | *+        | 840000 | 260000 | ug/Kg | ☼ | 06/30/21 07:50 | 07/07/21 02:07 | 10      |

| Surrogate            | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 2,4,6-Tribromophenol | 0         | S1-       | 54 - 120 | 06/30/21 07:50 | 07/07/21 02:07 | 10      |
| 2-Fluorobiphenyl     | 90        |           | 60 - 120 | 06/30/21 07:50 | 07/07/21 02:07 | 10      |
| 2-Fluorophenol       | 0         | S1-       | 52 - 120 | 06/30/21 07:50 | 07/07/21 02:07 | 10      |
| Nitrobenzene-d5      | 0         | S1-       | 53 - 120 | 06/30/21 07:50 | 07/07/21 02:07 | 10      |
| p-Terphenyl-d14      | 0         | S1-       | 79 - 130 | 06/30/21 07:50 | 07/07/21 02:07 | 10      |
| Phenol-d5            | 0         | S1-       | 54 - 120 | 06/30/21 07:50 | 07/07/21 02:07 | 10      |

## Method: 8081B - Organochlorine Pesticides (GC)

| Analyte             | Result | Qualifier | RL   | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|--------|-----------|------|-----|-------|---|----------------|----------------|---------|
| 4,4'-DDD            | ND     |           | 150  | 28  | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 16:00 | 50      |
| 4,4'-DDE            | ND     |           | 150  | 31  | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 16:00 | 50      |
| 4,4'-DDT            | ND     |           | 150  | 34  | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 16:00 | 50      |
| Aldrin              | ND     |           | 150  | 36  | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 16:00 | 50      |
| alpha-BHC           | ND     |           | 150  | 26  | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 16:00 | 50      |
| cis-Chlordane       | ND     |           | 150  | 73  | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 16:00 | 50      |
| beta-BHC            | ND     |           | 150  | 26  | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 16:00 | 50      |
| delta-BHC           | ND     |           | 150  | 27  | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 16:00 | 50      |
| Dieldrin            | ND     |           | 150  | 35  | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 16:00 | 50      |
| Endosulfan I        | ND     |           | 150  | 28  | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 16:00 | 50      |
| Endosulfan II       | ND     |           | 150  | 26  | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 16:00 | 50      |
| Endosulfan sulfate  | ND     |           | 150  | 27  | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 16:00 | 50      |
| Endrin              | ND     |           | 150  | 29  | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 16:00 | 50      |
| Endrin aldehyde     | 47     | J         | 150  | 37  | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 16:00 | 50      |
| Endrin ketone       | ND     |           | 150  | 36  | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 16:00 | 50      |
| gamma-BHC (Lindane) | ND     |           | 150  | 27  | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 16:00 | 50      |
| trans-Chlordane     | ND     |           | 150  | 46  | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 16:00 | 50      |
| Heptachlor          | ND     |           | 150  | 32  | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 16:00 | 50      |
| Heptachlor epoxide  | ND     |           | 150  | 38  | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 16:00 | 50      |
| Methoxychlor        | ND     |           | 150  | 30  | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 16:00 | 50      |
| Toxaphene           | ND     |           | 1500 | 850 | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 16:00 | 50      |
| Mirex               | ND     |           | 150  | 36  | ug/Kg | ☼ | 06/29/21 07:46 | 06/30/21 16:00 | 50      |

Eurofins TestAmerica, Buffalo



# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186368-1

**Client Sample ID: SS-13-0212**

**Lab Sample ID: 480-186368-14**

**Date Collected: 06/22/21 08:45**

**Matrix: Solid**

**Date Received: 06/22/21 12:15**

**Percent Solids: 55.7**

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| DCB Decachlorobiphenyl | 0         | S1-       | 45 - 120 | 06/29/21 07:46 | 06/30/21 16:00 | 50      |
| DCB Decachlorobiphenyl | 0         | S1-       | 45 - 120 | 06/29/21 07:46 | 06/30/21 16:00 | 50      |
| Tetrachloro-m-xylene   | 0         | S1-       | 30 - 124 | 06/29/21 07:46 | 06/30/21 16:00 | 50      |
| Tetrachloro-m-xylene   | 0         | S1-       | 30 - 124 | 06/29/21 07:46 | 06/30/21 16:00 | 50      |

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

| Analyte         | Result     | Qualifier | RL  | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------|------------|-----------|-----|------|-------|---|----------------|----------------|---------|
| PCB-1016        | ND         |           | 1.9 | 0.38 | mg/Kg | ☼ | 07/01/21 15:01 | 07/06/21 13:07 | 5       |
| PCB-1221        | ND         |           | 1.9 | 0.38 | mg/Kg | ☼ | 07/01/21 15:01 | 07/06/21 13:07 | 5       |
| PCB-1232        | ND         |           | 1.9 | 0.38 | mg/Kg | ☼ | 07/01/21 15:01 | 07/06/21 13:07 | 5       |
| PCB-1242        | ND         |           | 1.9 | 0.38 | mg/Kg | ☼ | 07/01/21 15:01 | 07/06/21 13:07 | 5       |
| PCB-1248        | ND         |           | 1.9 | 0.38 | mg/Kg | ☼ | 07/01/21 15:01 | 07/06/21 13:07 | 5       |
| PCB-1254        | ND         |           | 1.9 | 0.90 | mg/Kg | ☼ | 07/01/21 15:01 | 07/06/21 13:07 | 5       |
| <b>PCB-1260</b> | <b>1.2</b> | <b>J</b>  | 1.9 | 0.90 | mg/Kg | ☼ | 07/01/21 15:01 | 07/06/21 13:07 | 5       |
| PCB-1262        | ND         |           | 1.9 | 0.90 | mg/Kg | ☼ | 07/01/21 15:01 | 07/06/21 13:07 | 5       |
| PCB-1268        | ND         |           | 1.9 | 0.90 | mg/Kg | ☼ | 07/01/21 15:01 | 07/06/21 13:07 | 5       |

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| Tetrachloro-m-xylene   | 114       |           | 60 - 154 | 07/01/21 15:01 | 07/06/21 13:07 | 5       |
| Tetrachloro-m-xylene   | 111       |           | 60 - 154 | 07/01/21 15:01 | 07/06/21 13:07 | 5       |
| DCB Decachlorobiphenyl | 117       |           | 65 - 174 | 07/01/21 15:01 | 07/06/21 13:07 | 5       |
| DCB Decachlorobiphenyl | 149       |           | 65 - 174 | 07/01/21 15:01 | 07/06/21 13:07 | 5       |

## Method: 6010C - Metals (ICP)

| Analyte          | Result       | Qualifier  | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|------------------|--------------|------------|------|-------|-------|---|----------------|----------------|---------|
| <b>Aluminum</b>  | <b>11200</b> |            | 19.0 | 8.3   | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 20:03 | 1       |
| Antimony         | ND           |            | 28.5 | 0.76  | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 20:03 | 1       |
| <b>Arsenic</b>   | <b>6.7</b>   |            | 3.8  | 0.76  | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 20:03 | 1       |
| <b>Barium</b>    | <b>209</b>   | <b>^6+</b> | 0.95 | 0.21  | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 20:03 | 1       |
| <b>Beryllium</b> | <b>0.57</b>  |            | 0.38 | 0.053 | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 20:03 | 1       |
| <b>Cadmium</b>   | <b>5.9</b>   |            | 0.38 | 0.057 | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 20:03 | 1       |
| <b>Calcium</b>   | <b>21800</b> | <b>B</b>   | 94.8 | 6.3   | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 20:03 | 1       |
| <b>Chromium</b>  | <b>155</b>   |            | 0.95 | 0.38  | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 20:03 | 1       |
| <b>Cobalt</b>    | <b>14.4</b>  |            | 0.95 | 0.095 | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 20:03 | 1       |
| <b>Copper</b>    | <b>106</b>   |            | 1.9  | 0.40  | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 20:03 | 1       |
| <b>Iron</b>      | <b>28700</b> |            | 19.0 | 6.6   | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 20:03 | 1       |
| <b>Lead</b>      | <b>1060</b>  | <b>B</b>   | 1.9  | 0.46  | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 20:03 | 1       |
| <b>Magnesium</b> | <b>10200</b> |            | 37.9 | 1.8   | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 20:03 | 1       |
| <b>Manganese</b> | <b>231</b>   | <b>B</b>   | 0.38 | 0.061 | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 20:03 | 1       |
| <b>Nickel</b>    | <b>92.1</b>  |            | 9.5  | 0.44  | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 20:03 | 1       |
| <b>Potassium</b> | <b>2200</b>  |            | 56.9 | 37.9  | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 20:03 | 1       |
| <b>Selenium</b>  | <b>2.7</b>   | <b>J</b>   | 7.6  | 0.76  | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 20:03 | 1       |
| <b>Silver</b>    | <b>4.8</b>   |            | 1.1  | 0.38  | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 20:03 | 1       |
| <b>Sodium</b>    | <b>206</b>   | <b>J</b>   | 266  | 24.7  | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 20:03 | 1       |
| Thallium         | ND           |            | 11.4 | 0.57  | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 20:03 | 1       |
| <b>Vanadium</b>  | <b>44.9</b>  |            | 0.95 | 0.21  | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 20:03 | 1       |
| <b>Zinc</b>      | <b>1590</b>  |            | 3.8  | 1.2   | mg/Kg | ☼ | 06/30/21 15:01 | 07/01/21 20:03 | 1       |

## Method: 7471B - Mercury (CVAA)

| Analyte        | Result     | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------------|------------|-----------|------|-------|-------|---|----------------|----------------|---------|
| <b>Mercury</b> | <b>1.3</b> |           | 0.11 | 0.026 | mg/Kg | ☼ | 07/01/21 13:35 | 07/01/21 16:12 | 1       |

Eurofins TestAmerica, Buffalo

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186368-1

Client Sample ID: FB-SS-03-210622

Lab Sample ID: 480-186368-15

Date Collected: 06/22/21 07:00

Matrix: Water

Date Received: 06/22/21 12:15

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

| Analyte                       | Result | Qualifier | RL  | MDL  | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|--------|-----------|-----|------|------|---|----------------|----------------|---------|
| Biphenyl                      | ND     |           | 5.0 | 0.65 | ug/L |   | 06/27/21 09:30 | 07/02/21 07:57 | 1       |
| bis (2-chloroisopropyl) ether | ND     |           | 5.0 | 0.52 | ug/L |   | 06/27/21 09:30 | 07/02/21 07:57 | 1       |
| 2,4,5-Trichlorophenol         | ND     |           | 5.0 | 0.48 | ug/L |   | 06/27/21 09:30 | 07/02/21 07:57 | 1       |
| 2,4,6-Trichlorophenol         | ND     |           | 5.0 | 0.61 | ug/L |   | 06/27/21 09:30 | 07/02/21 07:57 | 1       |
| 2,4-Dichlorophenol            | ND     |           | 5.0 | 0.51 | ug/L |   | 06/27/21 09:30 | 07/02/21 07:57 | 1       |
| 2,4-Dimethylphenol            | ND     |           | 5.0 | 0.50 | ug/L |   | 06/27/21 09:30 | 07/02/21 07:57 | 1       |
| 2,4-Dinitrophenol             | ND     |           | 10  | 2.2  | ug/L |   | 06/27/21 09:30 | 07/02/21 07:57 | 1       |
| 2,4-Dinitrotoluene            | ND     |           | 5.0 | 0.45 | ug/L |   | 06/27/21 09:30 | 07/02/21 07:57 | 1       |
| 2,6-Dinitrotoluene            | ND     |           | 5.0 | 0.40 | ug/L |   | 06/27/21 09:30 | 07/02/21 07:57 | 1       |
| 2-Chloronaphthalene           | ND     |           | 5.0 | 0.46 | ug/L |   | 06/27/21 09:30 | 07/02/21 07:57 | 1       |
| 2-Chlorophenol                | ND     |           | 5.0 | 0.53 | ug/L |   | 06/27/21 09:30 | 07/02/21 07:57 | 1       |
| 2-Methylnaphthalene           | ND     |           | 5.0 | 0.60 | ug/L |   | 06/27/21 09:30 | 07/02/21 07:57 | 1       |
| 2-Methylphenol                | ND     |           | 5.0 | 0.40 | ug/L |   | 06/27/21 09:30 | 07/02/21 07:57 | 1       |
| 2-Nitroaniline                | ND     |           | 10  | 0.42 | ug/L |   | 06/27/21 09:30 | 07/02/21 07:57 | 1       |
| 2-Nitrophenol                 | ND     |           | 5.0 | 0.48 | ug/L |   | 06/27/21 09:30 | 07/02/21 07:57 | 1       |
| 3,3'-Dichlorobenzidine        | ND     |           | 5.0 | 0.40 | ug/L |   | 06/27/21 09:30 | 07/02/21 07:57 | 1       |
| 3-Nitroaniline                | ND     |           | 10  | 0.48 | ug/L |   | 06/27/21 09:30 | 07/02/21 07:57 | 1       |
| 4,6-Dinitro-2-methylphenol    | ND     |           | 10  | 2.2  | ug/L |   | 06/27/21 09:30 | 07/02/21 07:57 | 1       |
| 4-Bromophenyl phenyl ether    | ND     |           | 5.0 | 0.45 | ug/L |   | 06/27/21 09:30 | 07/02/21 07:57 | 1       |
| 4-Chloro-3-methylphenol       | ND     |           | 5.0 | 0.45 | ug/L |   | 06/27/21 09:30 | 07/02/21 07:57 | 1       |
| 4-Chloroaniline               | ND     |           | 5.0 | 0.59 | ug/L |   | 06/27/21 09:30 | 07/02/21 07:57 | 1       |
| 4-Chlorophenyl phenyl ether   | ND     |           | 5.0 | 0.35 | ug/L |   | 06/27/21 09:30 | 07/02/21 07:57 | 1       |
| 4-Methylphenol                | ND     |           | 10  | 0.36 | ug/L |   | 06/27/21 09:30 | 07/02/21 07:57 | 1       |
| 4-Nitroaniline                | ND     |           | 10  | 0.25 | ug/L |   | 06/27/21 09:30 | 07/02/21 07:57 | 1       |
| 4-Nitrophenol                 | ND     |           | 10  | 1.5  | ug/L |   | 06/27/21 09:30 | 07/02/21 07:57 | 1       |
| Acenaphthene                  | ND     |           | 5.0 | 0.41 | ug/L |   | 06/27/21 09:30 | 07/02/21 07:57 | 1       |
| Acenaphthylene                | ND     |           | 5.0 | 0.38 | ug/L |   | 06/27/21 09:30 | 07/02/21 07:57 | 1       |
| Acetophenone                  | ND     |           | 5.0 | 0.54 | ug/L |   | 06/27/21 09:30 | 07/02/21 07:57 | 1       |
| Anthracene                    | ND     |           | 5.0 | 0.28 | ug/L |   | 06/27/21 09:30 | 07/02/21 07:57 | 1       |
| Atrazine                      | ND     |           | 5.0 | 0.46 | ug/L |   | 06/27/21 09:30 | 07/02/21 07:57 | 1       |
| Benzaldehyde                  | ND     |           | 5.0 | 0.27 | ug/L |   | 06/27/21 09:30 | 07/02/21 07:57 | 1       |
| Benzo(a)anthracene            | ND     |           | 5.0 | 0.36 | ug/L |   | 06/27/21 09:30 | 07/02/21 07:57 | 1       |
| Benzo(a)pyrene                | ND     |           | 5.0 | 0.47 | ug/L |   | 06/27/21 09:30 | 07/02/21 07:57 | 1       |
| Benzo(b)fluoranthene          | ND     |           | 5.0 | 0.34 | ug/L |   | 06/27/21 09:30 | 07/02/21 07:57 | 1       |
| Benzo(g,h,i)perylene          | ND     |           | 5.0 | 0.35 | ug/L |   | 06/27/21 09:30 | 07/02/21 07:57 | 1       |
| Benzo(k)fluoranthene          | ND     |           | 5.0 | 0.73 | ug/L |   | 06/27/21 09:30 | 07/02/21 07:57 | 1       |
| Bis(2-chloroethoxy)methane    | ND     |           | 5.0 | 0.35 | ug/L |   | 06/27/21 09:30 | 07/02/21 07:57 | 1       |
| Bis(2-chloroethyl)ether       | ND     |           | 5.0 | 0.40 | ug/L |   | 06/27/21 09:30 | 07/02/21 07:57 | 1       |
| Bis(2-ethylhexyl) phthalate   | ND     |           | 5.0 | 2.2  | ug/L |   | 06/27/21 09:30 | 07/02/21 07:57 | 1       |
| Butyl benzyl phthalate        | ND     |           | 5.0 | 1.0  | ug/L |   | 06/27/21 09:30 | 07/02/21 07:57 | 1       |
| Caprolactam                   | ND     |           | 5.0 | 2.2  | ug/L |   | 06/27/21 09:30 | 07/02/21 07:57 | 1       |
| Carbazole                     | ND     | *+ UJ     | 5.0 | 0.30 | ug/L |   | 06/27/21 09:30 | 07/02/21 07:57 | 1       |
| Chrysene                      | ND     |           | 5.0 | 0.33 | ug/L |   | 06/27/21 09:30 | 07/02/21 07:57 | 1       |
| Di-n-butyl phthalate          | 19     | B *+      | 5.0 | 0.31 | ug/L |   | 06/27/21 09:30 | 07/02/21 07:57 | 1       |
| Di-n-octyl phthalate          | ND     |           | 5.0 | 0.47 | ug/L |   | 06/27/21 09:30 | 07/02/21 07:57 | 1       |
| Dibenz(a,h)anthracene         | ND     |           | 5.0 | 0.42 | ug/L |   | 06/27/21 09:30 | 07/02/21 07:57 | 1       |
| Dibenzofuran                  | ND     |           | 10  | 0.51 | ug/L |   | 06/27/21 09:30 | 07/02/21 07:57 | 1       |
| Diethyl phthalate             | ND     |           | 5.0 | 0.22 | ug/L |   | 06/27/21 09:30 | 07/02/21 07:57 | 1       |
| Dimethyl phthalate            | ND     |           | 5.0 | 0.36 | ug/L |   | 06/27/21 09:30 | 07/02/21 07:57 | 1       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186368-1

Client Sample ID: FB-SS-03-210622

Lab Sample ID: 480-186368-15

Date Collected: 06/22/21 07:00

Matrix: Water

Date Received: 06/22/21 12:15

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

| Analyte                   | Result | Qualifier | RL  | MDL  | Unit | D | Prepared       | Analyzed       | Dil Fac |
|---------------------------|--------|-----------|-----|------|------|---|----------------|----------------|---------|
| Fluoranthene              | ND     |           | 5.0 | 0.40 | ug/L |   | 06/27/21 09:30 | 07/02/21 07:57 | 1       |
| Fluorene                  | ND     |           | 5.0 | 0.36 | ug/L |   | 06/27/21 09:30 | 07/02/21 07:57 | 1       |
| Hexachlorobenzene         | ND     |           | 5.0 | 0.51 | ug/L |   | 06/27/21 09:30 | 07/02/21 07:57 | 1       |
| Hexachlorobutadiene       | ND     |           | 5.0 | 0.68 | ug/L |   | 06/27/21 09:30 | 07/02/21 07:57 | 1       |
| Hexachlorocyclopentadiene | ND     |           | 5.0 | 0.59 | ug/L |   | 06/27/21 09:30 | 07/02/21 07:57 | 1       |
| Hexachloroethane          | ND     |           | 5.0 | 0.59 | ug/L |   | 06/27/21 09:30 | 07/02/21 07:57 | 1       |
| Indeno(1,2,3-cd)pyrene    | ND     |           | 5.0 | 0.47 | ug/L |   | 06/27/21 09:30 | 07/02/21 07:57 | 1       |
| Isophorone                | ND     |           | 5.0 | 0.43 | ug/L |   | 06/27/21 09:30 | 07/02/21 07:57 | 1       |
| N-Nitrosodi-n-propylamine | ND     |           | 5.0 | 0.54 | ug/L |   | 06/27/21 09:30 | 07/02/21 07:57 | 1       |
| N-Nitrosodiphenylamine    | ND     |           | 5.0 | 0.51 | ug/L |   | 06/27/21 09:30 | 07/02/21 07:57 | 1       |
| Naphthalene               | ND     |           | 5.0 | 0.76 | ug/L |   | 06/27/21 09:30 | 07/02/21 07:57 | 1       |
| Nitrobenzene              | ND     |           | 5.0 | 0.29 | ug/L |   | 06/27/21 09:30 | 07/02/21 07:57 | 1       |
| Pentachlorophenol         | ND     |           | 10  | 2.2  | ug/L |   | 06/27/21 09:30 | 07/02/21 07:57 | 1       |
| Phenanthrene              | ND     |           | 5.0 | 0.44 | ug/L |   | 06/27/21 09:30 | 07/02/21 07:57 | 1       |
| Phenol                    | ND     |           | 5.0 | 0.39 | ug/L |   | 06/27/21 09:30 | 07/02/21 07:57 | 1       |
| Pyrene                    | ND     |           | 5.0 | 0.34 | ug/L |   | 06/27/21 09:30 | 07/02/21 07:57 | 1       |
| Benzoic acid              | ND     |           | 150 | 100  | ug/L |   | 06/27/21 09:30 | 07/02/21 07:57 | 1       |

| Surrogate            | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 2,4,6-Tribromophenol | 90        |           | 41 - 120 | 06/27/21 09:30 | 07/02/21 07:57 | 1       |
| 2-Fluorobiphenyl     | 94        |           | 48 - 120 | 06/27/21 09:30 | 07/02/21 07:57 | 1       |
| 2-Fluorophenol       | 66        |           | 35 - 120 | 06/27/21 09:30 | 07/02/21 07:57 | 1       |
| Nitrobenzene-d5      | 84        |           | 46 - 120 | 06/27/21 09:30 | 07/02/21 07:57 | 1       |
| p-Terphenyl-d14      | 107       |           | 60 - 148 | 06/27/21 09:30 | 07/02/21 07:57 | 1       |
| Phenol-d5            | 46        |           | 22 - 120 | 06/27/21 09:30 | 07/02/21 07:57 | 1       |

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

| Analyte                       | Result | Qualifier | RL  | MDL  | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|--------|-----------|-----|------|------|---|----------------|----------------|---------|
| Biphenyl                      | ND     | H UJ      | 5.0 | 0.65 | ug/L |   | 07/07/21 15:58 | 07/09/21 19:16 | 1       |
| bis (2-chloroisopropyl) ether | ND     | H         | 5.0 | 0.52 | ug/L |   | 07/07/21 15:58 | 07/09/21 19:16 | 1       |
| 2,4,5-Trichlorophenol         | ND     | H         | 5.0 | 0.48 | ug/L |   | 07/07/21 15:58 | 07/09/21 19:16 | 1       |
| 2,4,6-Trichlorophenol         | ND     | H         | 5.0 | 0.61 | ug/L |   | 07/07/21 15:58 | 07/09/21 19:16 | 1       |
| 2,4-Dichlorophenol            | ND     | H         | 5.0 | 0.51 | ug/L |   | 07/07/21 15:58 | 07/09/21 19:16 | 1       |
| 2,4-Dimethylphenol            | ND     | H         | 5.0 | 0.50 | ug/L |   | 07/07/21 15:58 | 07/09/21 19:16 | 1       |
| 2,4-Dinitrophenol             | ND     | H         | 10  | 2.2  | ug/L |   | 07/07/21 15:58 | 07/09/21 19:16 | 1       |
| 2,4-Dinitrotoluene            | ND     | H         | 5.0 | 0.45 | ug/L |   | 07/07/21 15:58 | 07/09/21 19:16 | 1       |
| 2,6-Dinitrotoluene            | ND     | H         | 5.0 | 0.40 | ug/L |   | 07/07/21 15:58 | 07/09/21 19:16 | 1       |
| 2-Chloronaphthalene           | ND     | H         | 5.0 | 0.46 | ug/L |   | 07/07/21 15:58 | 07/09/21 19:16 | 1       |
| 2-Chlorophenol                | ND     | H         | 5.0 | 0.53 | ug/L |   | 07/07/21 15:58 | 07/09/21 19:16 | 1       |
| 2-Methylnaphthalene           | ND     | H         | 5.0 | 0.60 | ug/L |   | 07/07/21 15:58 | 07/09/21 19:16 | 1       |
| 2-Methylphenol                | ND     | H         | 5.0 | 0.40 | ug/L |   | 07/07/21 15:58 | 07/09/21 19:16 | 1       |
| 2-Nitroaniline                | ND     | H         | 10  | 0.42 | ug/L |   | 07/07/21 15:58 | 07/09/21 19:16 | 1       |
| 2-Nitrophenol                 | ND     | H         | 5.0 | 0.48 | ug/L |   | 07/07/21 15:58 | 07/09/21 19:16 | 1       |
| 3,3'-Dichlorobenzidine        | ND     | H         | 5.0 | 0.40 | ug/L |   | 07/07/21 15:58 | 07/09/21 19:16 | 1       |
| 3-Nitroaniline                | ND     | H         | 10  | 0.48 | ug/L |   | 07/07/21 15:58 | 07/09/21 19:16 | 1       |
| 4,6-Dinitro-2-methylphenol    | ND     | H         | 10  | 2.2  | ug/L |   | 07/07/21 15:58 | 07/09/21 19:16 | 1       |
| 4-Bromophenyl phenyl ether    | ND     | H         | 5.0 | 0.45 | ug/L |   | 07/07/21 15:58 | 07/09/21 19:16 | 1       |
| 4-Chloro-3-methylphenol       | ND     | H         | 5.0 | 0.45 | ug/L |   | 07/07/21 15:58 | 07/09/21 19:16 | 1       |
| 4-Chloroaniline               | ND     | H         | 5.0 | 0.59 | ug/L |   | 07/07/21 15:58 | 07/09/21 19:16 | 1       |
| 4-Chlorophenyl phenyl ether   | ND     | H         | 5.0 | 0.35 | ug/L |   | 07/07/21 15:58 | 07/09/21 19:16 | 1       |

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ALH 8/3/21



# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186368-1

Client Sample ID: FB-SS-03-210622

Lab Sample ID: 480-186368-15

Date Collected: 06/22/21 07:00

Matrix: Water

Date Received: 06/22/21 12:15

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

| Analyte                     | Result | Qualifier | RL  | MDL  | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|--------|-----------|-----|------|------|---|----------------|----------------|---------|
| 4-Methylphenol              | ND     | H UJ      | 10  | 0.36 | ug/L |   | 07/07/21 15:58 | 07/09/21 19:16 | 1       |
| 4-Nitroaniline              | ND     | H         | 10  | 0.25 | ug/L |   | 07/07/21 15:58 | 07/09/21 19:16 | 1       |
| 4-Nitrophenol               | ND     | H         | 10  | 1.5  | ug/L |   | 07/07/21 15:58 | 07/09/21 19:16 | 1       |
| Acenaphthene                | ND     | H         | 5.0 | 0.41 | ug/L |   | 07/07/21 15:58 | 07/09/21 19:16 | 1       |
| Acenaphthylene              | ND     | H         | 5.0 | 0.38 | ug/L |   | 07/07/21 15:58 | 07/09/21 19:16 | 1       |
| Acetophenone                | ND     | H         | 5.0 | 0.54 | ug/L |   | 07/07/21 15:58 | 07/09/21 19:16 | 1       |
| Anthracene                  | ND     | H         | 5.0 | 0.28 | ug/L |   | 07/07/21 15:58 | 07/09/21 19:16 | 1       |
| Atrazine                    | ND     | H         | 5.0 | 0.46 | ug/L |   | 07/07/21 15:58 | 07/09/21 19:16 | 1       |
| Benzaldehyde                | ND     | H         | 5.0 | 0.27 | ug/L |   | 07/07/21 15:58 | 07/09/21 19:16 | 1       |
| Benzo(a)anthracene          | ND     | H         | 5.0 | 0.36 | ug/L |   | 07/07/21 15:58 | 07/09/21 19:16 | 1       |
| Benzo(a)pyrene              | ND     | H         | 5.0 | 0.47 | ug/L |   | 07/07/21 15:58 | 07/09/21 19:16 | 1       |
| Benzo(b)fluoranthene        | ND     | H         | 5.0 | 0.34 | ug/L |   | 07/07/21 15:58 | 07/09/21 19:16 | 1       |
| Benzo(g,h,i)perylene        | ND     | H         | 5.0 | 0.35 | ug/L |   | 07/07/21 15:58 | 07/09/21 19:16 | 1       |
| Benzo(k)fluoranthene        | ND     | H         | 5.0 | 0.73 | ug/L |   | 07/07/21 15:58 | 07/09/21 19:16 | 1       |
| Bis(2-chloroethoxy)methane  | ND     | H         | 5.0 | 0.35 | ug/L |   | 07/07/21 15:58 | 07/09/21 19:16 | 1       |
| Bis(2-chloroethyl)ether     | ND     | H         | 5.0 | 0.40 | ug/L |   | 07/07/21 15:58 | 07/09/21 19:16 | 1       |
| Bis(2-ethylhexyl) phthalate | ND     | H         | 5.0 | 2.2  | ug/L |   | 07/07/21 15:58 | 07/09/21 19:16 | 1       |
| Butyl benzyl phthalate      | ND     | H         | 5.0 | 1.0  | ug/L |   | 07/07/21 15:58 | 07/09/21 19:16 | 1       |
| Caprolactam                 | ND     | H         | 5.0 | 2.2  | ug/L |   | 07/07/21 15:58 | 07/09/21 19:16 | 1       |
| Carbazole                   | ND     | H         | 5.0 | 0.30 | ug/L |   | 07/07/21 15:58 | 07/09/21 19:16 | 1       |
| Chrysene                    | ND     | H         | 5.0 | 0.33 | ug/L |   | 07/07/21 15:58 | 07/09/21 19:16 | 1       |
| Di-n-butyl phthalate        | 0.43   | J H J     | 5.0 | 0.31 | ug/L |   | 07/07/21 15:58 | 07/09/21 19:16 | 1       |
| Di-n-octyl phthalate        | ND     | H UJ      | 5.0 | 0.47 | ug/L |   | 07/07/21 15:58 | 07/09/21 19:16 | 1       |
| Dibenz(a,h)anthracene       | ND     | H         | 5.0 | 0.42 | ug/L |   | 07/07/21 15:58 | 07/09/21 19:16 | 1       |
| Dibenzofuran                | ND     | H         | 10  | 0.51 | ug/L |   | 07/07/21 15:58 | 07/09/21 19:16 | 1       |
| Diethyl phthalate           | ND     | H         | 5.0 | 0.22 | ug/L |   | 07/07/21 15:58 | 07/09/21 19:16 | 1       |
| Dimethyl phthalate          | ND     | H         | 5.0 | 0.36 | ug/L |   | 07/07/21 15:58 | 07/09/21 19:16 | 1       |
| Fluoranthene                | ND     | H         | 5.0 | 0.40 | ug/L |   | 07/07/21 15:58 | 07/09/21 19:16 | 1       |
| Fluorene                    | ND     | H         | 5.0 | 0.36 | ug/L |   | 07/07/21 15:58 | 07/09/21 19:16 | 1       |
| Hexachlorobenzene           | ND     | H         | 5.0 | 0.51 | ug/L |   | 07/07/21 15:58 | 07/09/21 19:16 | 1       |
| Hexachlorobutadiene         | ND     | H         | 5.0 | 0.68 | ug/L |   | 07/07/21 15:58 | 07/09/21 19:16 | 1       |
| Hexachlorocyclopentadiene   | ND     | H         | 5.0 | 0.59 | ug/L |   | 07/07/21 15:58 | 07/09/21 19:16 | 1       |
| Hexachloroethane            | ND     | H         | 5.0 | 0.59 | ug/L |   | 07/07/21 15:58 | 07/09/21 19:16 | 1       |
| Indeno(1,2,3-cd)pyrene      | ND     | H         | 5.0 | 0.47 | ug/L |   | 07/07/21 15:58 | 07/09/21 19:16 | 1       |
| Isophorone                  | ND     | H         | 5.0 | 0.43 | ug/L |   | 07/07/21 15:58 | 07/09/21 19:16 | 1       |
| N-Nitrosodi-n-propylamine   | ND     | H         | 5.0 | 0.54 | ug/L |   | 07/07/21 15:58 | 07/09/21 19:16 | 1       |
| N-Nitrosodiphenylamine      | ND     | H         | 5.0 | 0.51 | ug/L |   | 07/07/21 15:58 | 07/09/21 19:16 | 1       |
| Naphthalene                 | ND     | H         | 5.0 | 0.76 | ug/L |   | 07/07/21 15:58 | 07/09/21 19:16 | 1       |
| Nitrobenzene                | ND     | H         | 5.0 | 0.29 | ug/L |   | 07/07/21 15:58 | 07/09/21 19:16 | 1       |
| Pentachlorophenol           | ND     | H         | 10  | 2.2  | ug/L |   | 07/07/21 15:58 | 07/09/21 19:16 | 1       |
| Phenanthrene                | ND     | H         | 5.0 | 0.44 | ug/L |   | 07/07/21 15:58 | 07/09/21 19:16 | 1       |
| Phenol                      | ND     | H         | 5.0 | 0.39 | ug/L |   | 07/07/21 15:58 | 07/09/21 19:16 | 1       |
| Pyrene                      | ND     | H         | 5.0 | 0.34 | ug/L |   | 07/07/21 15:58 | 07/09/21 19:16 | 1       |
| Benzoic acid                | ND     | H         | 150 | 100  | ug/L |   | 07/07/21 15:58 | 07/09/21 19:16 | 1       |

| Surrogate            | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 2,4,6-Tribromophenol | 82        |           | 41 - 120 | 07/07/21 15:58 | 07/09/21 19:16 | 1       |
| 2-Fluorobiphenyl     | 99        |           | 48 - 120 | 07/07/21 15:58 | 07/09/21 19:16 | 1       |
| 2-Fluorophenol       | 72        |           | 35 - 120 | 07/07/21 15:58 | 07/09/21 19:16 | 1       |
| Nitrobenzene-d5      | 88        |           | 46 - 120 | 07/07/21 15:58 | 07/09/21 19:16 | 1       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186368-1

Client Sample ID: FB-SS-03-210622

Lab Sample ID: 480-186368-15

Date Collected: 06/22/21 07:00

Matrix: Water

Date Received: 06/22/21 12:15

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

| Surrogate       | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------|-----------|-----------|----------|----------------|----------------|---------|
| p-Terphenyl-d14 | 105       |           | 60 - 148 | 07/07/21 15:58 | 07/09/21 19:16 | 1       |
| Phenol-d5       | 49        |           | 22 - 120 | 07/07/21 15:58 | 07/09/21 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 |   | 06/24/21 06:56 | 06/24/21 18:35 | 1       |
| 4,4'-DDE            | ND     |           | 0.050 | 0.012  | ug/L |   | 06/24/21 06:56 | 06/24/21 18:35 | 1       |
| 4,4'-DDT            | ND     |           | 0.050 | 0.011  | ug/L |   | 06/24/21 06:56 | 06/24/21 18:35 | 1       |
| Aldrin              | ND     |           | 0.050 | 0.0081 | ug/L |   | 06/24/21 06:56 | 06/24/21 18:35 | 1       |
| alpha-BHC           | ND     |           | 0.050 | 0.0077 | ug/L |   | 06/24/21 06:56 | 06/24/21 18:35 | 1       |
| cis-Chlordane       | ND     |           | 0.050 | 0.015  | ug/L |   | 06/24/21 06:56 | 06/24/21 18:35 | 1       |
| beta-BHC            | ND     |           | 0.050 | 0.025  | ug/L |   | 06/24/21 06:56 | 06/24/21 18:35 | 1       |
| delta-BHC           | ND     |           | 0.050 | 0.010  | ug/L |   | 06/24/21 06:56 | 06/24/21 18:35 | 1       |
| Dieldrin            | ND     |           | 0.050 | 0.0098 | ug/L |   | 06/24/21 06:56 | 06/24/21 18:35 | 1       |
| Endosulfan I        | ND     |           | 0.050 | 0.011  | ug/L |   | 06/24/21 06:56 | 06/24/21 18:35 | 1       |
| Endosulfan II       | ND     |           | 0.050 | 0.012  | ug/L |   | 06/24/21 06:56 | 06/24/21 18:35 | 1       |
| Endosulfan sulfate  | ND     |           | 0.050 | 0.016  | ug/L |   | 06/24/21 06:56 | 06/24/21 18:35 | 1       |
| Endrin              | ND     |           | 0.050 | 0.014  | ug/L |   | 06/24/21 06:56 | 06/24/21 18:35 | 1       |
| Endrin aldehyde     | 0.029  | J B       | 0.050 | 0.016  | ug/L |   | 06/24/21 06:56 | 06/24/21 18:35 | 1       |
| Endrin ketone       | ND     |           | 0.050 | 0.012  | ug/L |   | 06/24/21 06:56 | 06/24/21 18:35 | 1       |
| gamma-BHC (Lindane) | 0.012  | J B       | 0.050 | 0.0080 | ug/L |   | 06/24/21 06:56 | 06/24/21 18:35 | 1       |
| trans-Chlordane     | ND     |           | 0.050 | 0.011  | ug/L |   | 06/24/21 06:56 | 06/24/21 18:35 | 1       |
| Heptachlor          | ND     |           | 0.050 | 0.0085 | ug/L |   | 06/24/21 06:56 | 06/24/21 18:35 | 1       |
| Heptachlor epoxide  | ND     |           | 0.050 | 0.0074 | ug/L |   | 06/24/21 06:56 | 06/24/21 18:35 | 1       |
| Methoxychlor        | ND     |           | 0.050 | 0.014  | ug/L |   | 06/24/21 06:56 | 06/24/21 18:35 | 1       |
| Toxaphene           | ND     |           | 0.50  | 0.12   | ug/L |   | 06/24/21 06:56 | 06/24/21 18:35 | 1       |
| Mirex               | ND     |           | 0.050 | 0.0096 | ug/L |   | 06/24/21 06:56 | 06/24/21 18:35 | 1       |

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| DCB Decachlorobiphenyl | 42        |           | 20 - 120 | 06/24/21 06:56 | 06/24/21 18:35 | 1       |
| DCB Decachlorobiphenyl | 38        |           | 20 - 120 | 06/24/21 06:56 | 06/24/21 18:35 | 1       |
| Tetrachloro-m-xylene   | 91        |           | 44 - 120 | 06/24/21 06:56 | 06/24/21 18:35 | 1       |
| Tetrachloro-m-xylene   | 70        |           | 44 - 120 | 06/24/21 06:56 | 06/24/21 18:35 | 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 |   | 07/03/21 08:36 | 07/06/21 14:50 | 1       |
| PCB-1221 | ND     |           | 0.50 | 0.18 | ug/L |   | 07/03/21 08:36 | 07/06/21 14:50 | 1       |
| PCB-1232 | ND     |           | 0.50 | 0.18 | ug/L |   | 07/03/21 08:36 | 07/06/21 14:50 | 1       |
| PCB-1242 | ND     |           | 0.50 | 0.18 | ug/L |   | 07/03/21 08:36 | 07/06/21 14:50 | 1       |
| PCB-1248 | ND     |           | 0.50 | 0.18 | ug/L |   | 07/03/21 08:36 | 07/06/21 14:50 | 1       |
| PCB-1254 | ND     |           | 0.50 | 0.25 | ug/L |   | 07/03/21 08:36 | 07/06/21 14:50 | 1       |
| PCB-1260 | ND     | UJ        | 0.50 | 0.25 | ug/L |   | 07/03/21 08:36 | 07/06/21 14:50 | 1       |
| PCB-1262 | ND     |           | 0.50 | 0.25 | ug/L |   | 07/03/21 08:36 | 07/06/21 14:50 | 1       |
| PCB-1268 | ND     |           | 0.50 | 0.25 | ug/L |   | 07/03/21 08:36 | 07/06/21 14:50 | 1       |

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| Tetrachloro-m-xylene   | 86        |           | 39 - 121 | 07/03/21 08:36 | 07/06/21 14:50 | 1       |
| Tetrachloro-m-xylene   | 82        |           | 39 - 121 | 07/03/21 08:36 | 07/06/21 14:50 | 1       |
| DCB Decachlorobiphenyl | 48        |           | 19 - 120 | 07/03/21 08:36 | 07/06/21 14:50 | 1       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186368-1

**Client Sample ID: FB-SS-03-210622**

**Lab Sample ID: 480-186368-15**

Date Collected: 06/22/21 07:00

Matrix: Water

Date Received: 06/22/21 12:15

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

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| DCB Decachlorobiphenyl | 45        |           | 19 - 120 | 07/03/21 08:36 | 07/06/21 14:50 | 1       |

## Method: 6010C - Metals (ICP) - Total Recoverable

| Analyte   | Result  | Qualifier | RL     | MDL     | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-----------|---------|-----------|--------|---------|------|---|----------------|----------------|---------|
| Aluminum  | ND      |           | 0.20   | 0.060   | mg/L |   | 06/23/21 16:46 | 06/24/21 20:48 | 1       |
| Antimony  | ND      |           | 0.020  | 0.0068  | mg/L |   | 06/23/21 16:46 | 06/24/21 20:48 | 1       |
| Arsenic   | ND      |           | 0.015  | 0.0056  | mg/L |   | 06/23/21 16:46 | 06/24/21 20:48 | 1       |
| Barium    | ND      |           | 0.0020 | 0.00070 | mg/L |   | 06/23/21 16:46 | 06/24/21 20:48 | 1       |
| Beryllium | ND      |           | 0.0020 | 0.00030 | mg/L |   | 06/23/21 16:46 | 06/24/21 20:48 | 1       |
| Cadmium   | ND      |           | 0.0020 | 0.00050 | mg/L |   | 06/23/21 16:46 | 06/24/21 20:48 | 1       |
| Calcium   | ND      |           | 0.50   | 0.10    | mg/L |   | 06/23/21 16:46 | 06/24/21 20:48 | 1       |
| Chromium  | ND      |           | 0.0040 | 0.0010  | mg/L |   | 06/23/21 16:46 | 06/24/21 20:48 | 1       |
| Cobalt    | ND      |           | 0.0040 | 0.00063 | mg/L |   | 06/23/21 16:46 | 06/24/21 20:48 | 1       |
| Copper    | ND      |           | 0.010  | 0.0016  | mg/L |   | 06/23/21 16:46 | 06/24/21 20:48 | 1       |
| Iron      | ND      |           | 0.050  | 0.019   | mg/L |   | 06/23/21 16:46 | 06/24/21 20:48 | 1       |
| Lead      | ND      |           | 0.010  | 0.0030  | mg/L |   | 06/23/21 16:46 | 06/24/21 20:48 | 1       |
| Magnesium | ND      |           | 0.20   | 0.043   | mg/L |   | 06/23/21 16:46 | 06/24/21 20:48 | 1       |
| Manganese | 0.00052 | J B       | 0.0030 | 0.00040 | mg/L |   | 06/23/21 16:46 | 06/24/21 20:48 | 1       |
| Nickel    | ND      |           | 0.010  | 0.0013  | mg/L |   | 06/23/21 16:46 | 06/24/21 20:48 | 1       |
| Potassium | ND      |           | 0.50   | 0.10    | mg/L |   | 06/23/21 16:46 | 06/24/21 20:48 | 1       |
| Selenium  | ND      |           | 0.025  | 0.0087  | mg/L |   | 06/23/21 16:46 | 06/24/21 20:48 | 1       |
| Silver    | ND      |           | 0.0060 | 0.0017  | mg/L |   | 06/23/21 16:46 | 06/24/21 20:48 | 1       |
| Sodium    | ND      |           | 1.0    | 0.32    | mg/L |   | 06/23/21 16:46 | 06/24/21 20:48 | 1       |
| Thallium  | ND      |           | 0.020  | 0.010   | mg/L |   | 06/23/21 16:46 | 06/24/21 20:48 | 1       |
| Vanadium  | ND      |           | 0.0050 | 0.0015  | mg/L |   | 06/23/21 16:46 | 06/24/21 20:48 | 1       |
| Zinc      | ND      |           | 0.010  | 0.0015  | mg/L |   | 06/23/21 16:46 | 06/24/21 20:48 | 1       |

## Method: 7470A - Mercury (CVAA)

| Analyte | Result | Qualifier | RL      | MDL      | Unit | D | Prepared       | Analyzed       | Dil Fac |
|---------|--------|-----------|---------|----------|------|---|----------------|----------------|---------|
| Mercury | ND     |           | 0.00020 | 0.000043 | mg/L |   | 06/29/21 13:21 | 06/29/21 17:37 | 1       |

**APPENDIX F**

**LABORATORY REPORTS**

## ANALYTICAL REPORT

Eurofins TestAmerica, Buffalo  
10 Hazelwood Drive  
Amherst, NY 14228-2298  
Tel: (716)691-2600

Laboratory Job ID: 480-185711-1

Client Project/Site: Niagara Sanitation Wheatfield #932054

For:

New York State D.E.C.  
270 Michigan Avenue  
Buffalo, New York 14203

Attn: Mr. Glenn May



Authorized for release by:  
6/21/2021 12:55:37 PM

Wyatt Watson, Project Management Assistant I  
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Designee for

Orlette Johnson, Senior Project Manager  
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*This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.*

*Results relate only to the items tested and the sample(s) as received by the laboratory.*

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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.



---

Wyatt Watson  
Project Management Assistant I  
6/21/2021 12:55:37 PM

# Table of Contents

|                                 |    |
|---------------------------------|----|
| Cover Page . . . . .            | 1  |
| Table of Contents . . . . .     | 3  |
| Definitions . . . . .           | 4  |
| Case Narrative . . . . .        | 6  |
| Client Sample Results . . . . . | 10 |
| Chronicle . . . . .             | 50 |
| Certification Summary . . . . . | 54 |
| Method Summary . . . . .        | 55 |
| Sample Summary . . . . .        | 56 |
| Chain of Custody . . . . .      | 57 |
| Receipt Checklists . . . . .    | 58 |



# Definitions/Glossary

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-185711-1

## Qualifiers

### GC/MS VOA

| Qualifier | Qualifier Description                                                                                                                                          |
|-----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| *+        | LCS and/or LCSD is outside acceptance limits, high biased.                                                                                                     |
| *3        | ISTD response or retention time outside acceptable limits.                                                                                                     |
| F1        | MS and/or MSD recovery exceeds control limits.                                                                                                                 |
| J         | Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.                                                 |
| S1-       | Surrogate recovery exceeds control limits, low biased.                                                                                                         |
| vs        | Reported analyte concentrations are below 200 ug/kg and may be biased low due to the sample not being collected according to 5035A-L low-level specifications. |

### GC/MS Semi VOA

| Qualifier | Qualifier Description                                                                                          |
|-----------|----------------------------------------------------------------------------------------------------------------|
| *1        | LCS/LCSD RPD exceeds control limits.                                                                           |
| F1        | MS and/or MSD recovery exceeds control limits.                                                                 |
| F2        | MS/MSD RPD exceeds control limits                                                                              |
| J         | Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value. |
| S1-       | Surrogate recovery exceeds control limits, low biased.                                                         |

### GC Semi VOA

| Qualifier | Qualifier Description                                                                                          |
|-----------|----------------------------------------------------------------------------------------------------------------|
| *+        | LCS and/or LCSD is outside acceptance limits, high biased.                                                     |
| B         | Compound was found in the blank and sample.                                                                    |
| F1        | MS and/or MSD recovery exceeds control limits.                                                                 |
| F2        | MS/MSD RPD exceeds control limits                                                                              |
| J         | Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value. |
| S1-       | Surrogate recovery exceeds control limits, low biased.                                                         |
| S1+       | Surrogate recovery exceeds control limits, high biased.                                                        |

### Metals

| Qualifier | Qualifier Description                                                                                          |
|-----------|----------------------------------------------------------------------------------------------------------------|
| ^+        | Continuing Calibration Verification (CCV) is outside acceptance limits, high biased.                           |
| ^2        | Calibration Blank (ICB and/or CCB) is outside acceptance limits.                                               |
| B         | Compound was found in the blank and sample.                                                                    |
| F1        | MS and/or MSD recovery exceeds control limits.                                                                 |
| F2        | MS/MSD RPD exceeds control limits                                                                              |
| J         | Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value. |

## 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                                                                                        |
| CFU            | Colony Forming Unit                                                                                         |
| CNF            | Contains No Free Liquid                                                                                     |
| DER            | Duplicate Error Ratio (normalized absolute difference)                                                      |
| Dil Fac        | Dilution Factor                                                                                             |
| DL             | Detection Limit (DoD/DOE)                                                                                   |
| DL, RA, RE, IN | Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample |
| DLC            | Decision Level Concentration (Radiochemistry)                                                               |
| EDL            | Estimated Detection Limit (Dioxin)                                                                          |
| LOD            | Limit of Detection (DoD/DOE)                                                                                |
| LOQ            | Limit of Quantitation (DoD/DOE)                                                                             |
| MCL            | EPA recommended "Maximum Contaminant Level"                                                                 |
| MDA            | Minimum Detectable Activity (Radiochemistry)                                                                |
| MDC            | Minimum Detectable Concentration (Radiochemistry)                                                           |
| MDL            | Method Detection Limit                                                                                      |



## Definitions/Glossary

Client: New York State D.E.C.

Job ID: 480-185711-1

Project/Site: Niagara Sanitation Wheatfield #932054

### Glossary (Continued)

| Abbreviation | These commonly used abbreviations may or may not be present in this report.          |
|--------------|--------------------------------------------------------------------------------------|
| ML           | Minimum Level (Dioxin)                                                               |
| MPN          | Most Probable Number                                                                 |
| MQL          | Method Quantitation Limit                                                            |
| NC           | Not Calculated                                                                       |
| ND           | Not Detected at the reporting limit (or MDL or EDL if shown)                         |
| NEG          | Negative / Absent                                                                    |
| POS          | Positive / Present                                                                   |
| PQL          | Practical Quantitation Limit                                                         |
| PRES         | Presumptive                                                                          |
| QC           | Quality Control                                                                      |
| RER          | Relative Error Ratio (Radiochemistry)                                                |
| RL           | Reporting Limit or Requested Limit (Radiochemistry)                                  |
| RPD          | Relative Percent Difference, a measure of the relative difference between two points |
| TEF          | Toxicity Equivalent Factor (Dioxin)                                                  |
| TEQ          | Toxicity Equivalent Quotient (Dioxin)                                                |
| TNTC         | Too Numerous To Count                                                                |

# Case Narrative

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-185711-1

## Job ID: 480-185711-1

Laboratory: Eurofins TestAmerica, Buffalo

### Narrative

#### Job Narrative 480-185711-1

#### Comments

No additional comments.

#### Receipt

The samples were received on 6/7/2021 2:10 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 6.9° C.

#### GC/MS VOA

Method 8260C: The continuing calibration verification (CCV) associated with batch 480-584696 recovered above the upper control limit for Vinyl chloride. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is impacted: FBTT-210607 (480-185711-1).

Method 8260C: The continuing calibration verification (CCVIS) associated with batch 480-584743 recovered above the upper control limit for Bromomethane, Chloroethane, Trichlorofluoromethane and Vinyl chloride. The samples associated with this CCVIS were non-detect for the affected analytes; therefore, the data have been reported. The associated samples are impacted: TT01-5.5-7.0-210607 (480-185711-2), TT51-5.5-7.0-210607 (480-185711-3) and TT03-02-5.5-210607 (480-185711-5).

Method 8260C: The laboratory control sample (LCS) for preparation batch 480-584736 and analytical batch 480-584743 recovered outside control limits for the following analyte: Chloroethane. This analyte was biased high in the LCS and was not detected in the associated sample; therefore, the data have been reported. The associated samples are impacted: TT01-5.5-7.0-210607 (480-185711-2), TT51-5.5-7.0-210607 (480-185711-3) and TT03-02-5.5-210607 (480-185711-5).

Method 8260C: Internal standard and surrogate standard (SS) responses were outside of acceptance limits for the following samples: TT02-3.5-4.0-210607 (480-185711-4), TT02-3.5-4.0-210607 (480-185711-4[MS]) and TT02-3.5-4.0-210607 (480-185711-4[MSD]). The samples shows evidence of matrix interference.

Method 8260C: The continuing calibration verification (CCVIS) associated with batch 480-584982 recovered above the upper control limit for Chloroethane, Trichlorofluoromethane and Vinyl chloride. The samples associated with this CCVIS were non-detect for the affected analytes; therefore, the data have been reported. The associated samples are impacted: TT02-3.5-4.0-210607 (480-185711-4), TT04-04-4.5-210607 (480-185711-6), TT05-4.5-5.0-210607 (480-185711-7) and TT06-4.5-5.0-210607 (480-185711-8).

Method 8260C: The laboratory control sample (LCS) for preparation batch 480-585031 and analytical batch 480-584982 recovered outside control limits for the following analytes: Bromomethane and Chloroethane. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported. The following samples were impacted: TT02-3.5-4.0-210607 (480-185711-4), TT04-04-4.5-210607 (480-185711-6), TT05-4.5-5.0-210607 (480-185711-7) and TT06-4.5-5.0-210607 (480-185711-8).

Method 8260C: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 480-585031 and analytical batch 480-584982 were outside control limits. Sample matrix interference is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits. The following samples were impacted: TT02-3.5-4.0-210607 (480-185711-4[MS]) and TT02-3.5-4.0-210607 (480-185711-4[MSD]).

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

#### GC/MS Semi VOA

Method 8270D: The continuing calibration verification (CCV) associated with batch 480-585040 recovered above the upper control limit for bis (2-chloroisopropyl) ether, 2-Nitroaniline and Di-n-butyl phthalate. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is impacted: FBTT-210607 (480-185711-1).

Method 8270D: The continuing calibration verification (CCV) associated with batch 480-585040 recovered outside acceptance criteria, low biased, for 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.

## Case Narrative

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-185711-1

### Job ID: 480-185711-1 (Continued)

#### Laboratory: Eurofins TestAmerica, Buffalo (Continued)

Method 8270D: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 480-584903 and analytical batch 480-585040 recovered outside control limits for multiple analytes.

Method 8270D: The following samples were diluted due to color, appearance, and viscosity: TT02-3.5-4.0-210607 (480-185711-4), TT02-3.5-4.0-210607 (480-185711-4[MS]), TT02-3.5-4.0-210607 (480-185711-4[MSD]) and TT06-4.5-5.0-210607 (480-185711-8). Elevated reporting limits (RL) are provided.

Method 8270D: The following sample was diluted due to the nature of the sample matrix: TT06-4.5-5.0-210607 (480-185711-8). As such, surrogate recoveries are below the calibration range or are not reported, and elevated reporting limits (RLs) are provided.

Method 8270D: The following compound has been spiked at a level above the upper range of the initial calibration: Benzaldehyde. The laboratory control sample (LCS) associated with preparation batch 480-584488 and analytical batch 480-585633 recovered within acceptable limits for this analyte and has been qualified with an "E" flag.

Method 8270D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 480-584488 and analytical batch 480-585633 were diluted below the method detection limit (MDL) for 2,4-Dinitrophenol; therefore, percent recovery and RPD could not be calculated. The associated laboratory control sample (LCS) recovery was within acceptance limits.

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

#### GC Semi VOA

Method 8081B: The continuing calibration verification (CCV) associated with batch 480-584566 recovered above the upper control limit for delta-BHC. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is impacted: FBTT-210607 (480-185711-1).

Method 8081B: The laboratory control sample (LCS) for preparation batch 480-584590 and analytical batch 480-584566 recovered outside control limits for the following analytes: Endrin aldehyde. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method 8081B: The following samples are associated with a continuing calibration verification (CCV) that is lightly outside of the upper control limit for the surrogate DCB Decachlorobiphenyl. The recovery of the secondary surrogate is within limits. Therefore, the data has been reported.

TT01-5.5-7.0-210607 (480-185711-2), TT51-5.5-7.0-210607 (480-185711-3) and TT02-3.5-4.0-210607 (480-185711-4)

Method 8081B: The following sample was diluted due to the nature of the sample matrix : TT02-3.5-4.0-210607 (480-185711-4). As such, surrogate recoveries are below the calibration range, estimated and not representative. Elevated reporting limits (RLs) are provided.

Method 8081B: The following samples were diluted due to the nature of the sample matrix : TT02-3.5-4.0-210607 (480-185711-4[MS]) and TT02-3.5-4.0-210607 (480-185711-4[MSD]). As such, spike and surrogate recoveries are below the calibration range, estimated and not representative. Elevated reporting limits (RLs) are provided.

Method 8081B: The following sample was diluted due to the abundance of target analytes: TT51-5.5-7.0-210607 (480-185711-3). As such, surrogate recoveries are below the calibration range, estimated and not representative. Elevated reporting limits (RLs) are provided.

Method 8081B: The %RPD between the primary and confirmation column exceeded 40% for 4,4'-DDE and Dieldrin for the following sample: TT03-02-5.5-210607 (480-185711-5). The lower value(s) has been reported and qualified in accordance with the laboratory's SOP.

Method 8081B: For method 8081 Pesticides, the majority of the peaks present in the sample extracts are biphenyls indicating the presence of Aroclors. The results of several confirmed positive peaks may be enhanced and due to the biphenyl peaks present, and may be considered estimated for: TT03-02-5.5-210607 (480-185711-5) and TT05-4.5-5.0-210607 (480-185711-7)

Method 8081B: The following sample was diluted due to the nature of the sample matrix: TT04-04-4.5-210607 (480-185711-6). As such, surrogate recoveries are below the calibration range, estimated and not representative. Elevated reporting limits (RLs) are provided.

# Case Narrative

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-185711-1

## Job ID: 480-185711-1 (Continued)

### Laboratory: Eurofins TestAmerica, Buffalo (Continued)

Method 8081B: The following sample was diluted due to the abundance of target analytes: TT06-4.5-5.0-210607 (480-185711-8). As such, surrogate recoveries are below the calibration range, estimated and not representative. Elevated reporting limits (RLs) are provided.

Method 8082A: Surrogate recovery for the following sample was outside control limits: TT02-3.5-4.0-210607 (480-185711-4). 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

Method 6010C: The low level continuing calibration verification (CCVL 480-584995/19) recovered above the upper control limit for Total Manganese. 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 TT01-5.5-7.0-210607 (480-185711-2), (LCSSRM 480-584668/2-A) and (MB 480-584668/1-A) was not performed.

Method 6010C: The low level continuing calibration verification (CCVL 480-584995/25) recovered above the upper control limit for Total Manganese. 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 TT01-5.5-7.0-210607 (480-185711-2), TT51-5.5-7.0-210607 (480-185711-3), TT02-3.5-4.0-210607 (480-185711-4), TT02-3.5-4.0-210607 (480-185711-4[MS]), TT02-3.5-4.0-210607 (480-185711-4[MSD]), TT03-02-5.5-210607 (480-185711-5), TT04-04-4.5-210607 (480-185711-6), TT05-4.5-5.0-210607 (480-185711-7), (LCSSRM 480-584668/2-A), (MB 480-584668/1-A), (480-185711-D-4-A PDS) and (480-185711-D-4-A SD ^5) was not performed.

Method 6010C: The continuing calibration blank (CCB 480-584995/36) contained Total Iron above the reporting limit (RL). All reported samples TT51-5.5-7.0-210607 (480-185711-3), TT02-3.5-4.0-210607 (480-185711-4), TT02-3.5-4.0-210607 (480-185711-4[MS]), TT02-3.5-4.0-210607 (480-185711-4[MSD]), TT03-02-5.5-210607 (480-185711-5), TT04-04-4.5-210607 (480-185711-6), TT05-4.5-5.0-210607 (480-185711-7), (480-185711-D-4-A PDS) and (480-185711-D-4-A SD ^5) associated with this CCB were either ND for this analyte or contained this analyte at a concentration greater than 10X the value found in the CCB; therefore, re-analysis of samples was not performed.

Method 6010C: The low level continuing calibration verification (CCVL 480-584995/37) recovered above the upper control limit for Total Iron and Manganese. 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 TT51-5.5-7.0-210607 (480-185711-3), TT02-3.5-4.0-210607 (480-185711-4), TT02-3.5-4.0-210607 (480-185711-4[MS]), TT02-3.5-4.0-210607 (480-185711-4[MSD]), TT03-02-5.5-210607 (480-185711-5), TT04-04-4.5-210607 (480-185711-6), TT05-4.5-5.0-210607 (480-185711-7), (480-185711-D-4-A PDS) and (480-185711-D-4-A SD ^5) was not performed.

Method 6010C: The serial dilution (480-185711-D-4-A SD ^5) associated with batch 480-584995, exhibited a result outside the quality control limits for Total Barium. However, the post digestion spike (PDS) was compliant, therefore no corrective action was necessary.

Method 6010C: The low level continuing calibration verification (CCVL 480-585244/19) recovered above the upper control limit for Total Iron. The sample 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 TT06-4.5-5.0-210607 (480-185711-8) 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 3550C: Due to the matrix, the initial volume(s) used for the following samples deviated from the standard procedure: TT02-3.5-4.0-210607 (480-185711-4), TT02-3.5-4.0-210607 (480-185711-4[MS]) and TT02-3.5-4.0-210607 (480-185711-4[MSD]). The reporting limits (RLs) have been adjusted proportionately.

Method 3550C: Due to the matrix, the following sample could not be concentrated to the final method required volume: TT06-4.5-5.0-210607 (480-185711-8). The reporting limits (RLs) are elevated proportionately.

## Case Narrative

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-185711-1

### Job ID: 480-185711-1 (Continued)

#### Laboratory: Eurofins TestAmerica, Buffalo (Continued)

Method 3550C: The following samples required a Florisil clean-up, via EPA Method 3620C, to reduce matrix interferences:

TT01-5.5-7.0-210607 (480-185711-2), TT51-5.5-7.0-210607 (480-185711-3), TT02-3.5-4.0-210607 (480-185711-4), TT02-3.5-4.0-210607 (480-185711-4[MS]), TT02-3.5-4.0-210607 (480-185711-4[MSD]), TT03-02-5.5-210607 (480-185711-5), TT04-04-4.5-210607 (480-185711-6), TT05-4.5-5.0-210607 (480-185711-7) and TT06-4.5-5.0-210607 (480-185711-8).

Method 3550C: The following samples required a Florisil clean-up, via EPA Method 3620C, to reduce matrix interferences:

TT01-5.5-7.0-210607 (480-185711-2), TT51-5.5-7.0-210607 (480-185711-3), TT02-3.5-4.0-210607 (480-185711-4), TT02-3.5-4.0-210607 (480-185711-4[MS]), TT02-3.5-4.0-210607 (480-185711-4[MSD]), TT03-02-5.5-210607 (480-185711-5), TT04-04-4.5-210607 (480-185711-6), TT05-4.5-5.0-210607 (480-185711-7) and TT06-4.5-5.0-210607 (480-185711-8).

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

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-185711-1

Client Sample ID: FBTT-210607

Lab Sample ID: 480-185711-1

Date Collected: 06/07/21 12:00

Matrix: Water

Date Received: 06/07/21 14:10

## 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 |   |          | 06/10/21 02:50 | 1       |
| 1,1,2,2-Tetrachloroethane             | ND     |           | 1.0 | 0.21 | ug/L |   |          | 06/10/21 02:50 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND     |           | 1.0 | 0.31 | ug/L |   |          | 06/10/21 02:50 | 1       |
| 1,1,2-Trichloroethane                 | ND     |           | 1.0 | 0.23 | ug/L |   |          | 06/10/21 02:50 | 1       |
| 1,1-Dichloroethane                    | ND     |           | 1.0 | 0.38 | ug/L |   |          | 06/10/21 02:50 | 1       |
| 1,1-Dichloroethene                    | ND     |           | 1.0 | 0.29 | ug/L |   |          | 06/10/21 02:50 | 1       |
| 1,2,4-Trichlorobenzene                | ND     |           | 1.0 | 0.41 | ug/L |   |          | 06/10/21 02:50 | 1       |
| 1,2-Dibromo-3-Chloropropane           | ND     |           | 1.0 | 0.39 | ug/L |   |          | 06/10/21 02:50 | 1       |
| 1,2-Dibromoethane                     | ND     |           | 1.0 | 0.73 | ug/L |   |          | 06/10/21 02:50 | 1       |
| 1,2-Dichlorobenzene                   | ND     |           | 1.0 | 0.79 | ug/L |   |          | 06/10/21 02:50 | 1       |
| 1,2-Dichloroethane                    | ND     |           | 1.0 | 0.21 | ug/L |   |          | 06/10/21 02:50 | 1       |
| 1,2-Dichloropropane                   | ND     |           | 1.0 | 0.72 | ug/L |   |          | 06/10/21 02:50 | 1       |
| 1,3-Dichlorobenzene                   | ND     |           | 1.0 | 0.78 | ug/L |   |          | 06/10/21 02:50 | 1       |
| 1,4-Dichlorobenzene                   | ND     |           | 1.0 | 0.84 | ug/L |   |          | 06/10/21 02:50 | 1       |
| 2-Butanone (MEK)                      | ND     |           | 10  | 1.3  | ug/L |   |          | 06/10/21 02:50 | 1       |
| 2-Hexanone                            | ND     |           | 5.0 | 1.2  | ug/L |   |          | 06/10/21 02:50 | 1       |
| 4-Methyl-2-pentanone (MIBK)           | ND     |           | 5.0 | 2.1  | ug/L |   |          | 06/10/21 02:50 | 1       |
| Acetone                               | ND     |           | 10  | 3.0  | ug/L |   |          | 06/10/21 02:50 | 1       |
| Benzene                               | ND     |           | 1.0 | 0.41 | ug/L |   |          | 06/10/21 02:50 | 1       |
| Bromodichloromethane                  | ND     |           | 1.0 | 0.39 | ug/L |   |          | 06/10/21 02:50 | 1       |
| Bromoform                             | ND     |           | 1.0 | 0.26 | ug/L |   |          | 06/10/21 02:50 | 1       |
| Bromomethane                          | ND     |           | 1.0 | 0.69 | ug/L |   |          | 06/10/21 02:50 | 1       |
| Carbon disulfide                      | ND     |           | 1.0 | 0.19 | ug/L |   |          | 06/10/21 02:50 | 1       |
| Carbon tetrachloride                  | ND     |           | 1.0 | 0.27 | ug/L |   |          | 06/10/21 02:50 | 1       |
| Chlorobenzene                         | ND     |           | 1.0 | 0.75 | ug/L |   |          | 06/10/21 02:50 | 1       |
| Chloroethane                          | ND     |           | 1.0 | 0.32 | ug/L |   |          | 06/10/21 02:50 | 1       |
| Chloroform                            | ND     |           | 1.0 | 0.34 | ug/L |   |          | 06/10/21 02:50 | 1       |
| Chloromethane                         | ND     |           | 1.0 | 0.35 | ug/L |   |          | 06/10/21 02:50 | 1       |
| cis-1,2-Dichloroethene                | ND     |           | 1.0 | 0.81 | ug/L |   |          | 06/10/21 02:50 | 1       |
| cis-1,3-Dichloropropene               | ND     |           | 1.0 | 0.36 | ug/L |   |          | 06/10/21 02:50 | 1       |
| Cyclohexane                           | ND     |           | 1.0 | 0.18 | ug/L |   |          | 06/10/21 02:50 | 1       |
| Dibromochloromethane                  | ND     |           | 1.0 | 0.32 | ug/L |   |          | 06/10/21 02:50 | 1       |
| Dichlorodifluoromethane               | ND     |           | 1.0 | 0.68 | ug/L |   |          | 06/10/21 02:50 | 1       |
| Ethylbenzene                          | ND     |           | 1.0 | 0.74 | ug/L |   |          | 06/10/21 02:50 | 1       |
| Isopropylbenzene                      | ND     |           | 1.0 | 0.79 | ug/L |   |          | 06/10/21 02:50 | 1       |
| Methyl acetate                        | ND     |           | 2.5 | 1.3  | ug/L |   |          | 06/10/21 02:50 | 1       |
| Methyl tert-butyl ether               | ND     |           | 1.0 | 0.16 | ug/L |   |          | 06/10/21 02:50 | 1       |
| Methylcyclohexane                     | ND     |           | 1.0 | 0.16 | ug/L |   |          | 06/10/21 02:50 | 1       |
| Methylene Chloride                    | ND     |           | 1.0 | 0.44 | ug/L |   |          | 06/10/21 02:50 | 1       |
| Styrene                               | ND     |           | 1.0 | 0.73 | ug/L |   |          | 06/10/21 02:50 | 1       |
| Tetrachloroethene                     | ND     |           | 1.0 | 0.36 | ug/L |   |          | 06/10/21 02:50 | 1       |
| Toluene                               | ND     |           | 1.0 | 0.51 | ug/L |   |          | 06/10/21 02:50 | 1       |
| trans-1,2-Dichloroethene              | ND     |           | 1.0 | 0.90 | ug/L |   |          | 06/10/21 02:50 | 1       |
| trans-1,3-Dichloropropene             | ND     |           | 1.0 | 0.37 | ug/L |   |          | 06/10/21 02:50 | 1       |
| Trichloroethene                       | ND     |           | 1.0 | 0.46 | ug/L |   |          | 06/10/21 02:50 | 1       |
| Trichlorofluoromethane                | ND     |           | 1.0 | 0.88 | ug/L |   |          | 06/10/21 02:50 | 1       |
| Vinyl chloride                        | ND     |           | 1.0 | 0.90 | ug/L |   |          | 06/10/21 02:50 | 1       |
| Xylenes, Total                        | ND     |           | 2.0 | 0.66 | ug/L |   |          | 06/10/21 02:50 | 1       |

Eurofins TestAmerica, Buffalo

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-185711-1

Client Sample ID: FBTT-210607

Lab Sample ID: 480-185711-1

Date Collected: 06/07/21 12:00

Matrix: Water

Date Received: 06/07/21 14:10

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 98        |           | 77 - 120 |          | 06/10/21 02:50 | 1       |
| 4-Bromofluorobenzene (Surr)  | 101       |           | 73 - 120 |          | 06/10/21 02:50 | 1       |
| Toluene-d8 (Surr)            | 98        |           | 80 - 120 |          | 06/10/21 02:50 | 1       |

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

| Analyte                       | Result | Qualifier | RL  | MDL  | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|--------|-----------|-----|------|------|---|----------------|----------------|---------|
| Biphenyl                      | ND     |           | 5.0 | 0.65 | ug/L |   | 06/10/21 15:30 | 06/11/21 23:13 | 1       |
| bis (2-chloroisopropyl) ether | ND     |           | 5.0 | 0.52 | ug/L |   | 06/10/21 15:30 | 06/11/21 23:13 | 1       |
| 2,4,5-Trichlorophenol         | ND     | *1        | 5.0 | 0.48 | ug/L |   | 06/10/21 15:30 | 06/11/21 23:13 | 1       |
| 2,4,6-Trichlorophenol         | ND     |           | 5.0 | 0.61 | ug/L |   | 06/10/21 15:30 | 06/11/21 23:13 | 1       |
| 2,4-Dichlorophenol            | ND     |           | 5.0 | 0.51 | ug/L |   | 06/10/21 15:30 | 06/11/21 23:13 | 1       |
| 2,4-Dimethylphenol            | ND     |           | 5.0 | 0.50 | ug/L |   | 06/10/21 15:30 | 06/11/21 23:13 | 1       |
| 2,4-Dinitrophenol             | ND     |           | 10  | 2.2  | ug/L |   | 06/10/21 15:30 | 06/11/21 23:13 | 1       |
| 2,4-Dinitrotoluene            | ND     |           | 5.0 | 0.45 | ug/L |   | 06/10/21 15:30 | 06/11/21 23:13 | 1       |
| 2,6-Dinitrotoluene            | ND     |           | 5.0 | 0.40 | ug/L |   | 06/10/21 15:30 | 06/11/21 23:13 | 1       |
| 2-Chloronaphthalene           | ND     |           | 5.0 | 0.46 | ug/L |   | 06/10/21 15:30 | 06/11/21 23:13 | 1       |
| 2-Chlorophenol                | ND     |           | 5.0 | 0.53 | ug/L |   | 06/10/21 15:30 | 06/11/21 23:13 | 1       |
| 2-Methylnaphthalene           | ND     |           | 5.0 | 0.60 | ug/L |   | 06/10/21 15:30 | 06/11/21 23:13 | 1       |
| 2-Methylphenol                | ND     |           | 5.0 | 0.40 | ug/L |   | 06/10/21 15:30 | 06/11/21 23:13 | 1       |
| 2-Nitroaniline                | ND     | *1        | 10  | 0.42 | ug/L |   | 06/10/21 15:30 | 06/11/21 23:13 | 1       |
| 2-Nitrophenol                 | ND     |           | 5.0 | 0.48 | ug/L |   | 06/10/21 15:30 | 06/11/21 23:13 | 1       |
| 3,3'-Dichlorobenzidine        | ND     |           | 5.0 | 0.40 | ug/L |   | 06/10/21 15:30 | 06/11/21 23:13 | 1       |
| 3-Nitroaniline                | ND     |           | 10  | 0.48 | ug/L |   | 06/10/21 15:30 | 06/11/21 23:13 | 1       |
| 4,6-Dinitro-2-methylphenol    | ND     | *1        | 10  | 2.2  | ug/L |   | 06/10/21 15:30 | 06/11/21 23:13 | 1       |
| 4-Bromophenyl phenyl ether    | ND     | *1        | 5.0 | 0.45 | ug/L |   | 06/10/21 15:30 | 06/11/21 23:13 | 1       |
| 4-Chloro-3-methylphenol       | ND     |           | 5.0 | 0.45 | ug/L |   | 06/10/21 15:30 | 06/11/21 23:13 | 1       |
| 4-Chloroaniline               | ND     |           | 5.0 | 0.59 | ug/L |   | 06/10/21 15:30 | 06/11/21 23:13 | 1       |
| 4-Chlorophenyl phenyl ether   | ND     |           | 5.0 | 0.35 | ug/L |   | 06/10/21 15:30 | 06/11/21 23:13 | 1       |
| 4-Methylphenol                | ND     |           | 10  | 0.36 | ug/L |   | 06/10/21 15:30 | 06/11/21 23:13 | 1       |
| 4-Nitroaniline                | ND     |           | 10  | 0.25 | ug/L |   | 06/10/21 15:30 | 06/11/21 23:13 | 1       |
| 4-Nitrophenol                 | ND     |           | 10  | 1.5  | ug/L |   | 06/10/21 15:30 | 06/11/21 23:13 | 1       |
| Acenaphthene                  | ND     |           | 5.0 | 0.41 | ug/L |   | 06/10/21 15:30 | 06/11/21 23:13 | 1       |
| Acenaphthylene                | ND     |           | 5.0 | 0.38 | ug/L |   | 06/10/21 15:30 | 06/11/21 23:13 | 1       |
| Acetophenone                  | ND     |           | 5.0 | 0.54 | ug/L |   | 06/10/21 15:30 | 06/11/21 23:13 | 1       |
| Anthracene                    | ND     |           | 5.0 | 0.28 | ug/L |   | 06/10/21 15:30 | 06/11/21 23:13 | 1       |
| Atrazine                      | ND     |           | 5.0 | 0.46 | ug/L |   | 06/10/21 15:30 | 06/11/21 23:13 | 1       |
| Benzaldehyde                  | ND     |           | 5.0 | 0.27 | ug/L |   | 06/10/21 15:30 | 06/11/21 23:13 | 1       |
| Benzo(a)anthracene            | ND     |           | 5.0 | 0.36 | ug/L |   | 06/10/21 15:30 | 06/11/21 23:13 | 1       |
| Benzo(a)pyrene                | ND     |           | 5.0 | 0.47 | ug/L |   | 06/10/21 15:30 | 06/11/21 23:13 | 1       |
| Benzo(b)fluoranthene          | ND     |           | 5.0 | 0.34 | ug/L |   | 06/10/21 15:30 | 06/11/21 23:13 | 1       |
| Benzo(g,h,i)perylene          | ND     |           | 5.0 | 0.35 | ug/L |   | 06/10/21 15:30 | 06/11/21 23:13 | 1       |
| Benzo(k)fluoranthene          | ND     |           | 5.0 | 0.73 | ug/L |   | 06/10/21 15:30 | 06/11/21 23:13 | 1       |
| Bis(2-chloroethoxy)methane    | ND     |           | 5.0 | 0.35 | ug/L |   | 06/10/21 15:30 | 06/11/21 23:13 | 1       |
| Bis(2-chloroethyl)ether       | ND     |           | 5.0 | 0.40 | ug/L |   | 06/10/21 15:30 | 06/11/21 23:13 | 1       |
| Bis(2-ethylhexyl) phthalate   | ND     |           | 5.0 | 2.2  | ug/L |   | 06/10/21 15:30 | 06/11/21 23:13 | 1       |
| Butyl benzyl phthalate        | ND     | *1        | 5.0 | 1.0  | ug/L |   | 06/10/21 15:30 | 06/11/21 23:13 | 1       |
| Caprolactam                   | ND     |           | 5.0 | 2.2  | ug/L |   | 06/10/21 15:30 | 06/11/21 23:13 | 1       |
| Carbazole                     | ND     |           | 5.0 | 0.30 | ug/L |   | 06/10/21 15:30 | 06/11/21 23:13 | 1       |
| Chrysene                      | ND     |           | 5.0 | 0.33 | ug/L |   | 06/10/21 15:30 | 06/11/21 23:13 | 1       |
| Di-n-butyl phthalate          | ND     |           | 5.0 | 0.31 | ug/L |   | 06/10/21 15:30 | 06/11/21 23:13 | 1       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-185711-1

Client Sample ID: FBTT-210607

Lab Sample ID: 480-185711-1

Date Collected: 06/07/21 12:00

Matrix: Water

Date Received: 06/07/21 14:10

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

| Analyte                   | Result | Qualifier | RL  | MDL  | Unit | D | Prepared       | Analyzed       | Dil Fac |
|---------------------------|--------|-----------|-----|------|------|---|----------------|----------------|---------|
| Di-n-octyl phthalate      | ND     |           | 5.0 | 0.47 | ug/L |   | 06/10/21 15:30 | 06/11/21 23:13 | 1       |
| Dibenz(a,h)anthracene     | ND     |           | 5.0 | 0.42 | ug/L |   | 06/10/21 15:30 | 06/11/21 23:13 | 1       |
| Dibenzofuran              | ND     |           | 10  | 0.51 | ug/L |   | 06/10/21 15:30 | 06/11/21 23:13 | 1       |
| Diethyl phthalate         | ND     |           | 5.0 | 0.22 | ug/L |   | 06/10/21 15:30 | 06/11/21 23:13 | 1       |
| Dimethyl phthalate        | ND     |           | 5.0 | 0.36 | ug/L |   | 06/10/21 15:30 | 06/11/21 23:13 | 1       |
| Fluoranthene              | ND     |           | 5.0 | 0.40 | ug/L |   | 06/10/21 15:30 | 06/11/21 23:13 | 1       |
| Fluorene                  | ND     |           | 5.0 | 0.36 | ug/L |   | 06/10/21 15:30 | 06/11/21 23:13 | 1       |
| Hexachlorobenzene         | ND     | *1        | 5.0 | 0.51 | ug/L |   | 06/10/21 15:30 | 06/11/21 23:13 | 1       |
| Hexachlorobutadiene       | ND     |           | 5.0 | 0.68 | ug/L |   | 06/10/21 15:30 | 06/11/21 23:13 | 1       |
| Hexachlorocyclopentadiene | ND     |           | 5.0 | 0.59 | ug/L |   | 06/10/21 15:30 | 06/11/21 23:13 | 1       |
| Hexachloroethane          | ND     |           | 5.0 | 0.59 | ug/L |   | 06/10/21 15:30 | 06/11/21 23:13 | 1       |
| Indeno(1,2,3-cd)pyrene    | ND     |           | 5.0 | 0.47 | ug/L |   | 06/10/21 15:30 | 06/11/21 23:13 | 1       |
| Isophorone                | ND     |           | 5.0 | 0.43 | ug/L |   | 06/10/21 15:30 | 06/11/21 23:13 | 1       |
| N-Nitrosodi-n-propylamine | ND     |           | 5.0 | 0.54 | ug/L |   | 06/10/21 15:30 | 06/11/21 23:13 | 1       |
| N-Nitrosodiphenylamine    | ND     | *1        | 5.0 | 0.51 | ug/L |   | 06/10/21 15:30 | 06/11/21 23:13 | 1       |
| Naphthalene               | ND     |           | 5.0 | 0.76 | ug/L |   | 06/10/21 15:30 | 06/11/21 23:13 | 1       |
| Nitrobenzene              | ND     |           | 5.0 | 0.29 | ug/L |   | 06/10/21 15:30 | 06/11/21 23:13 | 1       |
| Pentachlorophenol         | ND     |           | 10  | 2.2  | ug/L |   | 06/10/21 15:30 | 06/11/21 23:13 | 1       |
| Phenanthrene              | ND     |           | 5.0 | 0.44 | ug/L |   | 06/10/21 15:30 | 06/11/21 23:13 | 1       |
| Phenol                    | ND     |           | 5.0 | 0.39 | ug/L |   | 06/10/21 15:30 | 06/11/21 23:13 | 1       |
| Pyrene                    | ND     |           | 5.0 | 0.34 | ug/L |   | 06/10/21 15:30 | 06/11/21 23:13 | 1       |
| Benzoic acid              | ND     |           | 150 | 100  | ug/L |   | 06/10/21 15:30 | 06/11/21 23:13 | 1       |

| Surrogate            | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 2,4,6-Tribromophenol | 72        |           | 41 - 120 | 06/10/21 15:30 | 06/11/21 23:13 | 1       |
| 2-Fluorobiphenyl     | 87        |           | 48 - 120 | 06/10/21 15:30 | 06/11/21 23:13 | 1       |
| 2-Fluorophenol       | 72        |           | 35 - 120 | 06/10/21 15:30 | 06/11/21 23:13 | 1       |
| Nitrobenzene-d5      | 96        |           | 46 - 120 | 06/10/21 15:30 | 06/11/21 23:13 | 1       |
| p-Terphenyl-d14      | 97        |           | 60 - 148 | 06/10/21 15:30 | 06/11/21 23:13 | 1       |
| Phenol-d5            | 55        |           | 22 - 120 | 06/10/21 15:30 | 06/11/21 23:13 | 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 |   | 06/09/21 08:46 | 06/09/21 20:10 | 1       |
| 4,4'-DDE            | ND     |           | 0.050 | 0.012  | ug/L |   | 06/09/21 08:46 | 06/09/21 20:10 | 1       |
| 4,4'-DDT            | 0.018  | J B       | 0.050 | 0.011  | ug/L |   | 06/09/21 08:46 | 06/09/21 20:10 | 1       |
| Aldrin              | ND     |           | 0.050 | 0.0081 | ug/L |   | 06/09/21 08:46 | 06/09/21 20:10 | 1       |
| alpha-BHC           | ND     |           | 0.050 | 0.0077 | ug/L |   | 06/09/21 08:46 | 06/09/21 20:10 | 1       |
| cis-Chlordane       | ND     |           | 0.050 | 0.015  | ug/L |   | 06/09/21 08:46 | 06/09/21 20:10 | 1       |
| beta-BHC            | ND     |           | 0.050 | 0.025  | ug/L |   | 06/09/21 08:46 | 06/09/21 20:10 | 1       |
| delta-BHC           | ND     |           | 0.050 | 0.010  | ug/L |   | 06/09/21 08:46 | 06/09/21 20:10 | 1       |
| Dieldrin            | ND     |           | 0.050 | 0.0098 | ug/L |   | 06/09/21 08:46 | 06/09/21 20:10 | 1       |
| Endosulfan I        | ND     |           | 0.050 | 0.011  | ug/L |   | 06/09/21 08:46 | 06/09/21 20:10 | 1       |
| Endosulfan II       | ND     |           | 0.050 | 0.012  | ug/L |   | 06/09/21 08:46 | 06/09/21 20:10 | 1       |
| Endosulfan sulfate  | ND     |           | 0.050 | 0.016  | ug/L |   | 06/09/21 08:46 | 06/09/21 20:10 | 1       |
| Endrin              | ND     |           | 0.050 | 0.014  | ug/L |   | 06/09/21 08:46 | 06/09/21 20:10 | 1       |
| Endrin aldehyde     | ND     | *+        | 0.050 | 0.016  | ug/L |   | 06/09/21 08:46 | 06/09/21 20:10 | 1       |
| Endrin ketone       | ND     |           | 0.050 | 0.012  | ug/L |   | 06/09/21 08:46 | 06/09/21 20:10 | 1       |
| gamma-BHC (Lindane) | ND     |           | 0.050 | 0.0080 | ug/L |   | 06/09/21 08:46 | 06/09/21 20:10 | 1       |
| trans-Chlordane     | ND     |           | 0.050 | 0.011  | ug/L |   | 06/09/21 08:46 | 06/09/21 20:10 | 1       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-185711-1

Client Sample ID: FBTT-210607

Lab Sample ID: 480-185711-1

Date Collected: 06/07/21 12:00

Matrix: Water

Date Received: 06/07/21 14:10

## 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 |   | 06/09/21 08:46 | 06/09/21 20:10 | 1       |
| Heptachlor epoxide | ND     |           | 0.050 | 0.0074 | ug/L |   | 06/09/21 08:46 | 06/09/21 20:10 | 1       |
| Methoxychlor       | ND     |           | 0.050 | 0.014  | ug/L |   | 06/09/21 08:46 | 06/09/21 20:10 | 1       |
| Toxaphene          | ND     |           | 0.50  | 0.12   | ug/L |   | 06/09/21 08:46 | 06/09/21 20:10 | 1       |
| Mirex              | ND     |           | 0.050 | 0.0096 | ug/L |   | 06/09/21 08:46 | 06/09/21 20:10 | 1       |

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| DCB Decachlorobiphenyl | 66        |           | 20 - 120 | 06/09/21 08:46 | 06/09/21 20:10 | 1       |
| DCB Decachlorobiphenyl | 70        |           | 20 - 120 | 06/09/21 08:46 | 06/09/21 20:10 | 1       |
| Tetrachloro-m-xylene   | 79        |           | 44 - 120 | 06/09/21 08:46 | 06/09/21 20:10 | 1       |
| Tetrachloro-m-xylene   | 70        |           | 44 - 120 | 06/09/21 08:46 | 06/09/21 20:10 | 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 |   | 06/10/21 15:46 | 06/13/21 19:24 | 1       |
| PCB-1221 | ND     |           | 0.50 | 0.18 | ug/L |   | 06/10/21 15:46 | 06/13/21 19:24 | 1       |
| PCB-1232 | ND     |           | 0.50 | 0.18 | ug/L |   | 06/10/21 15:46 | 06/13/21 19:24 | 1       |
| PCB-1242 | ND     |           | 0.50 | 0.18 | ug/L |   | 06/10/21 15:46 | 06/13/21 19:24 | 1       |
| PCB-1248 | ND     |           | 0.50 | 0.18 | ug/L |   | 06/10/21 15:46 | 06/13/21 19:24 | 1       |
| PCB-1254 | ND     |           | 0.50 | 0.25 | ug/L |   | 06/10/21 15:46 | 06/13/21 19:24 | 1       |
| PCB-1260 | ND     |           | 0.50 | 0.25 | ug/L |   | 06/10/21 15:46 | 06/13/21 19:24 | 1       |
| PCB-1262 | ND     |           | 0.50 | 0.25 | ug/L |   | 06/10/21 15:46 | 06/13/21 19:24 | 1       |
| PCB-1268 | ND     |           | 0.50 | 0.25 | ug/L |   | 06/10/21 15:46 | 06/13/21 19:24 | 1       |

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| Tetrachloro-m-xylene   | 85        |           | 39 - 121 | 06/10/21 15:46 | 06/13/21 19:24 | 1       |
| Tetrachloro-m-xylene   | 86        |           | 39 - 121 | 06/10/21 15:46 | 06/13/21 19:24 | 1       |
| DCB Decachlorobiphenyl | 73        |           | 19 - 120 | 06/10/21 15:46 | 06/13/21 19:24 | 1       |
| DCB Decachlorobiphenyl | 81        |           | 19 - 120 | 06/10/21 15:46 | 06/13/21 19:24 | 1       |

## Method: 6010C - Metals (ICP) - Total Recoverable

| Analyte   | Result | Qualifier | RL     | MDL     | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-----------|--------|-----------|--------|---------|------|---|----------------|----------------|---------|
| Aluminum  | ND     |           | 0.20   | 0.060   | mg/L |   | 06/10/21 10:09 | 06/11/21 03:19 | 1       |
| Antimony  | ND     |           | 0.020  | 0.0068  | mg/L |   | 06/10/21 10:09 | 06/11/21 03:19 | 1       |
| Arsenic   | ND     |           | 0.015  | 0.0056  | mg/L |   | 06/10/21 10:09 | 06/11/21 03:19 | 1       |
| Barium    | ND     |           | 0.0020 | 0.00070 | mg/L |   | 06/10/21 10:09 | 06/11/21 03:19 | 1       |
| Beryllium | ND     |           | 0.0020 | 0.00030 | mg/L |   | 06/10/21 10:09 | 06/11/21 03:19 | 1       |
| Cadmium   | ND     |           | 0.0020 | 0.00050 | mg/L |   | 06/10/21 10:09 | 06/11/21 03:19 | 1       |
| Calcium   | ND     |           | 0.50   | 0.10    | mg/L |   | 06/10/21 10:09 | 06/11/21 03:19 | 1       |
| Chromium  | ND     |           | 0.0040 | 0.0010  | mg/L |   | 06/10/21 10:09 | 06/11/21 03:19 | 1       |
| Cobalt    | ND     |           | 0.0040 | 0.00063 | mg/L |   | 06/10/21 10:09 | 06/11/21 03:19 | 1       |
| Copper    | ND     |           | 0.010  | 0.0016  | mg/L |   | 06/10/21 10:09 | 06/11/21 03:19 | 1       |
| Iron      | ND     |           | 0.050  | 0.019   | mg/L |   | 06/10/21 10:09 | 06/11/21 03:19 | 1       |
| Lead      | ND     |           | 0.010  | 0.0030  | mg/L |   | 06/10/21 10:09 | 06/11/21 03:19 | 1       |
| Magnesium | 0.15   | J         | 0.20   | 0.043   | mg/L |   | 06/10/21 10:09 | 06/11/21 03:19 | 1       |
| Manganese | ND     |           | 0.0030 | 0.00040 | mg/L |   | 06/10/21 10:09 | 06/11/21 03:19 | 1       |
| Nickel    | ND     |           | 0.010  | 0.0013  | mg/L |   | 06/10/21 10:09 | 06/11/21 03:19 | 1       |
| Potassium | ND     |           | 0.50   | 0.10    | mg/L |   | 06/10/21 10:09 | 06/11/21 17:03 | 1       |
| Selenium  | ND     |           | 0.025  | 0.0087  | mg/L |   | 06/10/21 10:09 | 06/11/21 03:19 | 1       |
| Silver    | ND     |           | 0.0060 | 0.0017  | mg/L |   | 06/10/21 10:09 | 06/11/21 03:19 | 1       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-185711-1

**Client Sample ID: FBTT-210607**

**Lab Sample ID: 480-185711-1**

**Date Collected: 06/07/21 12:00**

**Matrix: Water**

**Date Received: 06/07/21 14:10**

## Method: 6010C - Metals (ICP) - Total Recoverable (Continued)

| Analyte  | Result | Qualifier | RL     | MDL    | Unit | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------|-----------|--------|--------|------|---|----------------|----------------|---------|
| Sodium   | ND     |           | 1.0    | 0.32   | mg/L |   | 06/10/21 10:09 | 06/11/21 17:03 | 1       |
| Thallium | ND     |           | 0.020  | 0.010  | mg/L |   | 06/10/21 10:09 | 06/11/21 03:19 | 1       |
| Vanadium | ND     |           | 0.0050 | 0.0015 | mg/L |   | 06/10/21 10:09 | 06/11/21 03:19 | 1       |
| Zinc     | ND     |           | 0.010  | 0.0015 | mg/L |   | 06/10/21 10:09 | 06/11/21 03:19 | 1       |

## Method: 7470A - Mercury (CVAA)

| Analyte | Result | Qualifier | RL      | MDL     | Unit | D | Prepared       | Analyzed       | Dil Fac |
|---------|--------|-----------|---------|---------|------|---|----------------|----------------|---------|
| Mercury | ND     |           | 0.00020 | 0.00012 | mg/L |   | 06/14/21 12:30 | 06/14/21 17:30 | 1       |

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-185711-1

Client Sample ID: TT01-5.5-7.0-210607

Lab Sample ID: 480-185711-2

Date Collected: 06/07/21 10:00

Matrix: Solid

Date Received: 06/07/21 14:10

Percent Solids: 76.0

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

| Analyte                               | Result      | Qualifier   | RL  | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------------------------|-------------|-------------|-----|------|-------|---|----------------|----------------|---------|
| 1,1,1-Trichloroethane                 | ND          | vs          | 6.5 | 0.47 | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:06 | 1       |
| 1,1,2,2-Tetrachloroethane             | ND          | vs          | 6.5 | 1.1  | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:06 | 1       |
| 1,1,2-Trichloroethane                 | ND          | vs          | 6.5 | 0.85 | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:06 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND          | vs          | 6.5 | 1.5  | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:06 | 1       |
| 1,1-Dichloroethane                    | ND          | vs          | 6.5 | 0.80 | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:06 | 1       |
| 1,1-Dichloroethene                    | ND          | vs          | 6.5 | 0.80 | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:06 | 1       |
| 1,2,4-Trichlorobenzene                | ND          | vs          | 6.5 | 0.40 | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:06 | 1       |
| 1,2-Dibromo-3-Chloropropane           | ND          | vs          | 6.5 | 3.3  | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:06 | 1       |
| 1,2-Dibromoethane                     | ND          | vs          | 6.5 | 0.84 | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:06 | 1       |
| 1,2-Dichlorobenzene                   | ND          | vs          | 6.5 | 0.51 | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:06 | 1       |
| 1,2-Dichloroethane                    | ND          | vs          | 6.5 | 0.33 | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:06 | 1       |
| 1,2-Dichloropropane                   | ND          | vs          | 6.5 | 3.3  | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:06 | 1       |
| 1,3-Dichlorobenzene                   | ND          | vs          | 6.5 | 0.34 | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:06 | 1       |
| <b>1,4-Dichlorobenzene</b>            | <b>1.6</b>  | <b>J vs</b> | 6.5 | 0.92 | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:06 | 1       |
| 2-Hexanone                            | ND          | vs          | 33  | 3.3  | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:06 | 1       |
| 2-Butanone (MEK)                      | ND          | vs          | 33  | 2.4  | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:06 | 1       |
| 4-Methyl-2-pentanone (MIBK)           | ND          | vs          | 33  | 2.1  | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:06 | 1       |
| <b>Acetone</b>                        | <b>10</b>   | <b>J vs</b> | 33  | 5.5  | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:06 | 1       |
| <b>Benzene</b>                        | <b>0.60</b> | <b>J vs</b> | 6.5 | 0.32 | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:06 | 1       |
| Bromodichloromethane                  | ND          | vs          | 6.5 | 0.88 | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:06 | 1       |
| Bromoform                             | ND          | vs          | 6.5 | 3.3  | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:06 | 1       |
| Bromomethane                          | ND          | vs          | 6.5 | 0.59 | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:06 | 1       |
| Carbon disulfide                      | ND          | vs          | 6.5 | 3.3  | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:06 | 1       |
| Carbon tetrachloride                  | ND          | vs          | 6.5 | 0.63 | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:06 | 1       |
| <b>Chlorobenzene</b>                  | <b>3.9</b>  | <b>J vs</b> | 6.5 | 0.86 | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:06 | 1       |
| Dibromochloromethane                  | ND          | vs          | 6.5 | 0.84 | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:06 | 1       |
| Chloroethane                          | ND          | *+ vs       | 6.5 | 1.5  | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:06 | 1       |
| Chloroform                            | ND          | vs          | 6.5 | 0.40 | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:06 | 1       |
| Chloromethane                         | ND          | vs          | 6.5 | 0.39 | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:06 | 1       |
| cis-1,2-Dichloroethene                | ND          | vs          | 6.5 | 0.84 | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:06 | 1       |
| cis-1,3-Dichloropropene               | ND          | vs          | 6.5 | 0.94 | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:06 | 1       |
| Cyclohexane                           | ND          | vs          | 6.5 | 0.92 | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:06 | 1       |
| Dichlorodifluoromethane               | ND          | vs          | 6.5 | 0.54 | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:06 | 1       |
| <b>Ethylbenzene</b>                   | <b>0.57</b> | <b>J vs</b> | 6.5 | 0.45 | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:06 | 1       |
| <b>Isopropylbenzene</b>               | <b>2.6</b>  | <b>J vs</b> | 6.5 | 0.99 | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:06 | 1       |
| Methyl acetate                        | ND          | vs          | 33  | 3.9  | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:06 | 1       |
| Methyl tert-butyl ether               | ND          | vs          | 6.5 | 0.64 | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:06 | 1       |
| Methylcyclohexane                     | ND          | vs          | 6.5 | 0.99 | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:06 | 1       |
| <b>Methylene Chloride</b>             | <b>6.8</b>  | <b>vs</b>   | 6.5 | 3.0  | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:06 | 1       |
| Styrene                               | ND          | vs          | 6.5 | 0.33 | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:06 | 1       |
| Tetrachloroethene                     | ND          | vs          | 6.5 | 0.88 | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:06 | 1       |
| Toluene                               | ND          | vs          | 6.5 | 0.49 | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:06 | 1       |
| trans-1,2-Dichloroethene              | ND          | vs          | 6.5 | 0.67 | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:06 | 1       |
| trans-1,3-Dichloropropene             | ND          | vs          | 6.5 | 2.9  | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:06 | 1       |
| Trichloroethene                       | ND          | vs          | 6.5 | 1.4  | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:06 | 1       |
| Trichlorofluoromethane                | ND          | vs          | 6.5 | 0.62 | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:06 | 1       |
| Vinyl chloride                        | ND          | vs          | 6.5 | 0.80 | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:06 | 1       |
| <b>Xylenes, Total</b>                 | <b>39</b>   | <b>vs</b>   | 13  | 1.1  | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:06 | 1       |

Eurofins TestAmerica, Buffalo

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-185711-1

**Client Sample ID: TT01-5.5-7.0-210607**

**Lab Sample ID: 480-185711-2**

**Date Collected: 06/07/21 10:00**

**Matrix: Solid**

**Date Received: 06/07/21 14:10**

**Percent Solids: 76.0**

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 109       |           | 64 - 126 | 06/09/21 21:30 | 06/10/21 15:06 | 1       |
| Toluene-d8 (Surr)            | 95        |           | 71 - 125 | 06/09/21 21:30 | 06/10/21 15:06 | 1       |
| 4-Bromofluorobenzene (Surr)  | 97        |           | 72 - 126 | 06/09/21 21:30 | 06/10/21 15:06 | 1       |

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

| Analyte                            | Result     | Qualifier | RL   | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|------------------------------------|------------|-----------|------|------|-------|---|----------------|----------------|---------|
| 2,4,5-Trichlorophenol              | ND         |           | 220  | 60   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:34 | 1       |
| 2,4,6-Trichlorophenol              | ND         |           | 220  | 44   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:34 | 1       |
| 2,4-Dichlorophenol                 | ND         |           | 220  | 23   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:34 | 1       |
| 2,4-Dimethylphenol                 | ND         |           | 220  | 53   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:34 | 1       |
| 2,4-Dinitrophenol                  | ND         |           | 2200 | 1000 | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:34 | 1       |
| 2,4-Dinitrotoluene                 | ND         |           | 220  | 46   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:34 | 1       |
| 2,6-Dinitrotoluene                 | ND         |           | 220  | 26   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:34 | 1       |
| 2-Chloronaphthalene                | ND         |           | 220  | 36   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:34 | 1       |
| 2-Chlorophenol                     | ND         |           | 430  | 40   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:34 | 1       |
| 2-Methylnaphthalene                | ND         |           | 220  | 44   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:34 | 1       |
| 2-Methylphenol                     | ND         |           | 220  | 26   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:34 | 1       |
| 2-Nitroaniline                     | ND         |           | 430  | 33   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:34 | 1       |
| 2-Nitrophenol                      | ND         |           | 220  | 63   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:34 | 1       |
| 3,3'-Dichlorobenzidine             | ND         |           | 430  | 260  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:34 | 1       |
| 3-Nitroaniline                     | ND         |           | 430  | 61   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:34 | 1       |
| 4,6-Dinitro-2-methylphenol         | ND         |           | 430  | 220  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:34 | 1       |
| 4-Bromophenyl phenyl ether         | ND         |           | 220  | 31   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:34 | 1       |
| 4-Chloro-3-methylphenol            | ND         |           | 220  | 55   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:34 | 1       |
| 4-Chloroaniline                    | ND         |           | 220  | 55   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:34 | 1       |
| 4-Chlorophenyl phenyl ether        | ND         |           | 220  | 27   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:34 | 1       |
| 4-Methylphenol                     | ND         |           | 430  | 26   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:34 | 1       |
| 4-Nitroaniline                     | ND         |           | 430  | 120  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:34 | 1       |
| 4-Nitrophenol                      | ND         |           | 430  | 160  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:34 | 1       |
| Acenaphthene                       | ND         |           | 220  | 33   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:34 | 1       |
| Acenaphthylene                     | ND         |           | 220  | 29   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:34 | 1       |
| Acetophenone                       | ND         |           | 220  | 30   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:34 | 1       |
| Anthracene                         | ND         |           | 220  | 55   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:34 | 1       |
| Atrazine                           | ND         |           | 220  | 77   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:34 | 1       |
| Benzaldehyde                       | ND         |           | 220  | 180  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:34 | 1       |
| Benzo(a)anthracene                 | ND         |           | 220  | 22   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:34 | 1       |
| Benzo(a)pyrene                     | ND         |           | 220  | 33   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:34 | 1       |
| Benzo(b)fluoranthene               | ND         |           | 220  | 35   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:34 | 1       |
| Benzo(g,h,i)perylene               | ND         |           | 220  | 23   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:34 | 1       |
| Benzo(k)fluoranthene               | ND         |           | 220  | 29   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:34 | 1       |
| Benzoic acid                       | ND         |           | 6300 | 2000 | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:34 | 1       |
| Biphenyl                           | ND         |           | 220  | 33   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:34 | 1       |
| bis (2-chloroisopropyl) ether      | ND         |           | 220  | 44   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:34 | 1       |
| Bis(2-chloroethoxy)methane         | ND         |           | 220  | 47   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:34 | 1       |
| Bis(2-chloroethyl)ether            | ND         |           | 220  | 29   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:34 | 1       |
| <b>Bis(2-ethylhexyl) phthalate</b> | <b>700</b> |           | 220  | 76   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:34 | 1       |
| Butyl benzyl phthalate             | ND         |           | 220  | 36   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:34 | 1       |
| Caprolactam                        | ND         |           | 220  | 66   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:34 | 1       |
| Carbazole                          | ND         |           | 220  | 26   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:34 | 1       |
| Chrysene                           | ND         |           | 220  | 50   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:34 | 1       |

Eurofins TestAmerica, Buffalo

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-185711-1

Client Sample ID: TT01-5.5-7.0-210607

Lab Sample ID: 480-185711-2

Date Collected: 06/07/21 10:00

Matrix: Solid

Date Received: 06/07/21 14:10

Percent Solids: 76.0

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

| Analyte                   | Result | Qualifier | RL  | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------------|--------|-----------|-----|-----|-------|---|----------------|----------------|---------|
| Dibenz(a,h)anthracene     | ND     |           | 220 | 39  | ug/Kg | ✱ | 06/08/21 15:17 | 06/16/21 16:34 | 1       |
| Dibenzofuran              | ND     |           | 220 | 26  | ug/Kg | ✱ | 06/08/21 15:17 | 06/16/21 16:34 | 1       |
| Diethyl phthalate         | ND     |           | 220 | 29  | ug/Kg | ✱ | 06/08/21 15:17 | 06/16/21 16:34 | 1       |
| Dimethyl phthalate        | ND     |           | 220 | 26  | ug/Kg | ✱ | 06/08/21 15:17 | 06/16/21 16:34 | 1       |
| Di-n-butyl phthalate      | ND     |           | 220 | 38  | ug/Kg | ✱ | 06/08/21 15:17 | 06/16/21 16:34 | 1       |
| Di-n-octyl phthalate      | ND     |           | 220 | 26  | ug/Kg | ✱ | 06/08/21 15:17 | 06/16/21 16:34 | 1       |
| Fluoranthene              | ND     |           | 220 | 23  | ug/Kg | ✱ | 06/08/21 15:17 | 06/16/21 16:34 | 1       |
| Fluorene                  | ND     |           | 220 | 26  | ug/Kg | ✱ | 06/08/21 15:17 | 06/16/21 16:34 | 1       |
| Hexachlorobenzene         | ND     |           | 220 | 30  | ug/Kg | ✱ | 06/08/21 15:17 | 06/16/21 16:34 | 1       |
| Hexachlorobutadiene       | ND     |           | 220 | 33  | ug/Kg | ✱ | 06/08/21 15:17 | 06/16/21 16:34 | 1       |
| Hexachlorocyclopentadiene | ND     |           | 220 | 30  | ug/Kg | ✱ | 06/08/21 15:17 | 06/16/21 16:34 | 1       |
| Hexachloroethane          | ND     |           | 220 | 29  | ug/Kg | ✱ | 06/08/21 15:17 | 06/16/21 16:34 | 1       |
| Indeno(1,2,3-cd)pyrene    | ND     |           | 220 | 27  | ug/Kg | ✱ | 06/08/21 15:17 | 06/16/21 16:34 | 1       |
| Isophorone                | ND     |           | 220 | 47  | ug/Kg | ✱ | 06/08/21 15:17 | 06/16/21 16:34 | 1       |
| Naphthalene               | ND     |           | 220 | 29  | ug/Kg | ✱ | 06/08/21 15:17 | 06/16/21 16:34 | 1       |
| Nitrobenzene              | ND     |           | 220 | 25  | ug/Kg | ✱ | 06/08/21 15:17 | 06/16/21 16:34 | 1       |
| N-Nitrosodi-n-propylamine | ND     |           | 220 | 38  | ug/Kg | ✱ | 06/08/21 15:17 | 06/16/21 16:34 | 1       |
| N-Nitrosodiphenylamine    | ND     |           | 220 | 180 | ug/Kg | ✱ | 06/08/21 15:17 | 06/16/21 16:34 | 1       |
| Pentachlorophenol         | ND     |           | 430 | 220 | ug/Kg | ✱ | 06/08/21 15:17 | 06/16/21 16:34 | 1       |
| Phenanthrene              | ND     |           | 220 | 33  | ug/Kg | ✱ | 06/08/21 15:17 | 06/16/21 16:34 | 1       |
| Phenol                    | ND     |           | 220 | 34  | ug/Kg | ✱ | 06/08/21 15:17 | 06/16/21 16:34 | 1       |
| Pyrene                    | ND     |           | 220 | 26  | ug/Kg | ✱ | 06/08/21 15:17 | 06/16/21 16:34 | 1       |

| Surrogate            | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 2,4,6-Tribromophenol | 90        |           | 54 - 120 | 06/08/21 15:17 | 06/16/21 16:34 | 1       |
| 2-Fluorobiphenyl     | 85        |           | 60 - 120 | 06/08/21 15:17 | 06/16/21 16:34 | 1       |
| 2-Fluorophenol       | 77        |           | 52 - 120 | 06/08/21 15:17 | 06/16/21 16:34 | 1       |
| Nitrobenzene-d5      | 76        |           | 53 - 120 | 06/08/21 15:17 | 06/16/21 16:34 | 1       |
| Phenol-d5            | 77        |           | 54 - 120 | 06/08/21 15:17 | 06/16/21 16:34 | 1       |
| p-Terphenyl-d14      | 88        |           | 79 - 130 | 06/08/21 15:17 | 06/16/21 16:34 | 1       |

## Method: 8081B - Organochlorine Pesticides (GC)

| Analyte             | Result | Qualifier | RL  | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|--------|-----------|-----|------|-------|---|----------------|----------------|---------|
| 4,4'-DDE            | ND     |           | 2.2 | 0.45 | ug/Kg | ✱ | 06/14/21 08:11 | 06/15/21 15:50 | 1       |
| 4,4'-DDT            | 1.1    | J         | 2.2 | 0.51 | ug/Kg | ✱ | 06/14/21 08:11 | 06/15/21 15:50 | 1       |
| Aldrin              | ND     |           | 2.2 | 0.53 | ug/Kg | ✱ | 06/14/21 08:11 | 06/15/21 15:50 | 1       |
| alpha-BHC           | ND     |           | 2.2 | 0.39 | ug/Kg | ✱ | 06/14/21 08:11 | 06/15/21 15:50 | 1       |
| cis-Chlordane       | ND     |           | 2.2 | 1.1  | ug/Kg | ✱ | 06/14/21 08:11 | 06/15/21 15:50 | 1       |
| beta-BHC            | ND     |           | 2.2 | 0.39 | ug/Kg | ✱ | 06/14/21 08:11 | 06/15/21 15:50 | 1       |
| delta-BHC           | ND     |           | 2.2 | 0.40 | ug/Kg | ✱ | 06/14/21 08:11 | 06/15/21 15:50 | 1       |
| Dieldrin            | 0.72   | J         | 2.2 | 0.52 | ug/Kg | ✱ | 06/14/21 08:11 | 06/15/21 15:50 | 1       |
| Endosulfan I        | ND     |           | 2.2 | 0.42 | ug/Kg | ✱ | 06/14/21 08:11 | 06/15/21 15:50 | 1       |
| Endosulfan II       | ND     |           | 2.2 | 0.39 | ug/Kg | ✱ | 06/14/21 08:11 | 06/15/21 15:50 | 1       |
| Endosulfan sulfate  | ND     |           | 2.2 | 0.40 | ug/Kg | ✱ | 06/14/21 08:11 | 06/15/21 15:50 | 1       |
| Endrin              | ND     |           | 2.2 | 0.43 | ug/Kg | ✱ | 06/14/21 08:11 | 06/15/21 15:50 | 1       |
| Endrin aldehyde     | 0.99   | J         | 2.2 | 0.55 | ug/Kg | ✱ | 06/14/21 08:11 | 06/15/21 15:50 | 1       |
| Endrin ketone       | ND     |           | 2.2 | 0.53 | ug/Kg | ✱ | 06/14/21 08:11 | 06/15/21 15:50 | 1       |
| gamma-BHC (Lindane) | ND     |           | 2.2 | 0.40 | ug/Kg | ✱ | 06/14/21 08:11 | 06/15/21 15:50 | 1       |
| trans-Chlordane     | ND     |           | 2.2 | 0.69 | ug/Kg | ✱ | 06/14/21 08:11 | 06/15/21 15:50 | 1       |
| Heptachlor          | ND     |           | 2.2 | 0.47 | ug/Kg | ✱ | 06/14/21 08:11 | 06/15/21 15:50 | 1       |

Eurofins TestAmerica, Buffalo

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-185711-1

Client Sample ID: TT01-5.5-7.0-210607

Lab Sample ID: 480-185711-2

Date Collected: 06/07/21 10:00

Matrix: Solid

Date Received: 06/07/21 14:10

Percent Solids: 76.0

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

| Analyte            | Result | Qualifier | RL  | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------|--------|-----------|-----|------|-------|---|----------------|----------------|---------|
| Heptachlor epoxide | ND     |           | 2.2 | 0.56 | ug/Kg | ☆ | 06/14/21 08:11 | 06/15/21 15:50 | 1       |
| Methoxychlor       | ND     |           | 2.2 | 0.44 | ug/Kg | ☆ | 06/14/21 08:11 | 06/15/21 15:50 | 1       |
| Toxaphene          | ND     |           | 22  | 13   | ug/Kg | ☆ | 06/14/21 08:11 | 06/15/21 15:50 | 1       |
| 4,4'-DDD           | 10     |           | 2.2 | 0.42 | ug/Kg | ☆ | 06/14/21 08:11 | 06/15/21 15:50 | 1       |
| Mirex              | ND     |           | 2.2 | 0.53 | ug/Kg | ☆ | 06/14/21 08:11 | 06/15/21 15:50 | 1       |

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| DCB Decachlorobiphenyl | 91        |           | 45 - 120 | 06/14/21 08:11 | 06/15/21 15:50 | 1       |
| DCB Decachlorobiphenyl | 72        |           | 45 - 120 | 06/14/21 08:11 | 06/15/21 15:50 | 1       |
| Tetrachloro-m-xylene   | 78        |           | 30 - 124 | 06/14/21 08:11 | 06/15/21 15:50 | 1       |
| Tetrachloro-m-xylene   | 58        |           | 30 - 124 | 06/14/21 08:11 | 06/15/21 15:50 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| PCB-1016 | ND     |           | 0.25 | 0.049 | mg/Kg | ☆ | 06/14/21 07:19 | 06/14/21 20:10 | 1       |
| PCB-1221 | ND     |           | 0.25 | 0.049 | mg/Kg | ☆ | 06/14/21 07:19 | 06/14/21 20:10 | 1       |
| PCB-1232 | ND     |           | 0.25 | 0.049 | mg/Kg | ☆ | 06/14/21 07:19 | 06/14/21 20:10 | 1       |
| PCB-1242 | 0.056  | J         | 0.25 | 0.049 | mg/Kg | ☆ | 06/14/21 07:19 | 06/14/21 20:10 | 1       |
| PCB-1248 | ND     |           | 0.25 | 0.049 | mg/Kg | ☆ | 06/14/21 07:19 | 06/14/21 20:10 | 1       |
| PCB-1254 | ND     |           | 0.25 | 0.12  | mg/Kg | ☆ | 06/14/21 07:19 | 06/14/21 20:10 | 1       |
| PCB-1260 | ND     |           | 0.25 | 0.12  | mg/Kg | ☆ | 06/14/21 07:19 | 06/14/21 20:10 | 1       |
| PCB-1262 | ND     |           | 0.25 | 0.12  | mg/Kg | ☆ | 06/14/21 07:19 | 06/14/21 20:10 | 1       |
| PCB-1268 | ND     |           | 0.25 | 0.12  | mg/Kg | ☆ | 06/14/21 07:19 | 06/14/21 20:10 | 1       |

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| Tetrachloro-m-xylene   | 104       |           | 60 - 154 | 06/14/21 07:19 | 06/14/21 20:10 | 1       |
| Tetrachloro-m-xylene   | 107       |           | 60 - 154 | 06/14/21 07:19 | 06/14/21 20:10 | 1       |
| DCB Decachlorobiphenyl | 84        |           | 65 - 174 | 06/14/21 07:19 | 06/14/21 20:10 | 1       |
| DCB Decachlorobiphenyl | 83        |           | 65 - 174 | 06/14/21 07:19 | 06/14/21 20:10 | 1       |

## Method: 6010C - Metals (ICP)

| Analyte   | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| Aluminum  | 12600  |           | 13.8 | 6.1   | mg/Kg | ☆ | 06/09/21 16:49 | 06/10/21 17:02 | 1       |
| Antimony  | ND     |           | 20.7 | 0.55  | mg/Kg | ☆ | 06/09/21 16:49 | 06/10/21 17:02 | 1       |
| Arsenic   | 2.9    |           | 2.8  | 0.55  | mg/Kg | ☆ | 06/09/21 16:49 | 06/10/21 17:02 | 1       |
| Barium    | 74.8   |           | 0.69 | 0.15  | mg/Kg | ☆ | 06/09/21 16:49 | 06/10/21 17:02 | 1       |
| Beryllium | 0.58   |           | 0.28 | 0.039 | mg/Kg | ☆ | 06/09/21 16:49 | 06/10/21 17:02 | 1       |
| Cadmium   | 0.51   |           | 0.28 | 0.041 | mg/Kg | ☆ | 06/09/21 16:49 | 06/10/21 17:02 | 1       |
| Calcium   | 40800  | B         | 68.9 | 4.5   | mg/Kg | ☆ | 06/09/21 16:49 | 06/10/21 17:02 | 1       |
| Chromium  | 17.2   |           | 0.69 | 0.28  | mg/Kg | ☆ | 06/09/21 16:49 | 06/10/21 17:02 | 1       |
| Cobalt    | 7.1    |           | 0.69 | 0.069 | mg/Kg | ☆ | 06/09/21 16:49 | 06/10/21 17:02 | 1       |
| Copper    | 22.7   |           | 1.4  | 0.29  | mg/Kg | ☆ | 06/09/21 16:49 | 06/10/21 17:02 | 1       |
| Iron      | 18300  |           | 13.8 | 4.8   | mg/Kg | ☆ | 06/09/21 16:49 | 06/10/21 17:02 | 1       |
| Lead      | 41.5   |           | 1.4  | 0.33  | mg/Kg | ☆ | 06/09/21 16:49 | 06/10/21 17:02 | 1       |
| Magnesium | 12100  | B         | 27.6 | 1.3   | mg/Kg | ☆ | 06/09/21 16:49 | 06/10/21 17:02 | 1       |
| Manganese | 332    | B ^+      | 0.28 | 0.044 | mg/Kg | ☆ | 06/09/21 16:49 | 06/10/21 17:02 | 1       |
| Nickel    | 18.0   |           | 6.9  | 0.32  | mg/Kg | ☆ | 06/09/21 16:49 | 06/10/21 17:02 | 1       |
| Potassium | 2630   |           | 41.3 | 27.6  | mg/Kg | ☆ | 06/09/21 16:49 | 06/10/21 17:02 | 1       |
| Selenium  | ND     |           | 5.5  | 0.55  | mg/Kg | ☆ | 06/09/21 16:49 | 06/10/21 17:02 | 1       |
| Silver    | ND     |           | 0.83 | 0.28  | mg/Kg | ☆ | 06/09/21 16:49 | 06/10/21 17:02 | 1       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-185711-1

**Client Sample ID: TT01-5.5-7.0-210607**

**Lab Sample ID: 480-185711-2**

Date Collected: 06/07/21 10:00

Matrix: Solid

Date Received: 06/07/21 14:10

Percent Solids: 76.0

## Method: 6010C - Metals (ICP) (Continued)

| Analyte  | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------|-----------|------|------|-------|---|----------------|----------------|---------|
| Sodium   | 221    | B         | 193  | 17.9 | mg/Kg | ✱ | 06/09/21 16:49 | 06/10/21 17:02 | 1       |
| Thallium | ND     |           | 8.3  | 0.41 | mg/Kg | ✱ | 06/09/21 16:49 | 06/10/21 17:02 | 1       |
| Vanadium | 25.5   |           | 0.69 | 0.15 | mg/Kg | ✱ | 06/09/21 16:49 | 06/10/21 17:02 | 1       |
| Zinc     | 89.3   |           | 2.8  | 0.88 | mg/Kg | ✱ | 06/09/21 16:49 | 06/10/21 17:02 | 1       |

## Method: 7471B - Mercury (CVAA)

| Analyte | Result | Qualifier | RL    | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------|--------|-----------|-------|-------|-------|---|----------------|----------------|---------|
| Mercury | 0.040  |           | 0.025 | 0.010 | mg/Kg | ✱ | 06/16/21 12:25 | 06/16/21 14:40 | 1       |



# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-185711-1

Client Sample ID: TT51-5.5-7.0-210607

Lab Sample ID: 480-185711-3

Date Collected: 06/07/21 08:00

Matrix: Solid

Date Received: 06/07/21 14:10

Percent Solids: 78.9

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

| Analyte                               | Result | Qualifier | RL  | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------------------------|--------|-----------|-----|------|-------|---|----------------|----------------|---------|
| 1,1,1-Trichloroethane                 | ND     | vs        | 6.1 | 0.44 | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:30 | 1       |
| 1,1,2,2-Tetrachloroethane             | ND     | vs        | 6.1 | 0.99 | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:30 | 1       |
| 1,1,2-Trichloroethane                 | ND     | vs        | 6.1 | 0.80 | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:30 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND     | vs        | 6.1 | 1.4  | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:30 | 1       |
| 1,1-Dichloroethane                    | ND     | vs        | 6.1 | 0.75 | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:30 | 1       |
| 1,1-Dichloroethene                    | ND     | vs        | 6.1 | 0.75 | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:30 | 1       |
| 1,2,4-Trichlorobenzene                | ND     | vs        | 6.1 | 0.37 | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:30 | 1       |
| 1,2-Dibromo-3-Chloropropane           | ND     | vs        | 6.1 | 3.1  | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:30 | 1       |
| 1,2-Dibromoethane                     | ND     | vs        | 6.1 | 0.79 | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:30 | 1       |
| 1,2-Dichlorobenzene                   | ND     | vs        | 6.1 | 0.48 | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:30 | 1       |
| 1,2-Dichloroethane                    | ND     | vs        | 6.1 | 0.31 | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:30 | 1       |
| 1,2-Dichloropropane                   | ND     | vs        | 6.1 | 3.1  | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:30 | 1       |
| 1,3-Dichlorobenzene                   | ND     | vs        | 6.1 | 0.31 | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:30 | 1       |
| 1,4-Dichlorobenzene                   | 1.6    | J vs      | 6.1 | 0.86 | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:30 | 1       |
| 2-Hexanone                            | ND     | vs        | 31  | 3.1  | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:30 | 1       |
| 2-Butanone (MEK)                      | ND     | vs        | 31  | 2.2  | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:30 | 1       |
| 4-Methyl-2-pentanone (MIBK)           | ND     | vs        | 31  | 2.0  | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:30 | 1       |
| Acetone                               | ND     | vs        | 31  | 5.2  | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:30 | 1       |
| Benzene                               | ND     | vs        | 6.1 | 0.30 | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:30 | 1       |
| Bromodichloromethane                  | ND     | vs        | 6.1 | 0.82 | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:30 | 1       |
| Bromoform                             | ND     | vs        | 6.1 | 3.1  | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:30 | 1       |
| Bromomethane                          | ND     | vs        | 6.1 | 0.55 | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:30 | 1       |
| Carbon disulfide                      | ND     | vs        | 6.1 | 3.1  | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:30 | 1       |
| Carbon tetrachloride                  | ND     | vs        | 6.1 | 0.59 | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:30 | 1       |
| Chlorobenzene                         | 0.92   | J vs      | 6.1 | 0.81 | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:30 | 1       |
| Dibromochloromethane                  | ND     | vs        | 6.1 | 0.78 | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:30 | 1       |
| Chloroethane                          | ND     | *+ vs     | 6.1 | 1.4  | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:30 | 1       |
| Chloroform                            | ND     | vs        | 6.1 | 0.38 | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:30 | 1       |
| Chloromethane                         | ND     | vs        | 6.1 | 0.37 | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:30 | 1       |
| cis-1,2-Dichloroethene                | ND     | vs        | 6.1 | 0.78 | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:30 | 1       |
| cis-1,3-Dichloropropene               | ND     | vs        | 6.1 | 0.88 | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:30 | 1       |
| Cyclohexane                           | ND     | vs        | 6.1 | 0.86 | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:30 | 1       |
| Dichlorodifluoromethane               | ND     | vs        | 6.1 | 0.51 | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:30 | 1       |
| Ethylbenzene                          | ND     | vs        | 6.1 | 0.42 | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:30 | 1       |
| Isopropylbenzene                      | ND     | vs        | 6.1 | 0.92 | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:30 | 1       |
| Methyl acetate                        | ND     | vs        | 31  | 3.7  | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:30 | 1       |
| Methyl tert-butyl ether               | ND     | vs        | 6.1 | 0.60 | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:30 | 1       |
| Methylcyclohexane                     | ND     | vs        | 6.1 | 0.93 | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:30 | 1       |
| Methylene Chloride                    | ND     | vs        | 6.1 | 2.8  | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:30 | 1       |
| Styrene                               | ND     | vs        | 6.1 | 0.31 | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:30 | 1       |
| Tetrachloroethene                     | ND     | vs        | 6.1 | 0.82 | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:30 | 1       |
| Toluene                               | ND     | vs        | 6.1 | 0.46 | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:30 | 1       |
| trans-1,2-Dichloroethene              | ND     | vs        | 6.1 | 0.63 | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:30 | 1       |
| trans-1,3-Dichloropropene             | ND     | vs        | 6.1 | 2.7  | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:30 | 1       |
| Trichloroethene                       | ND     | vs        | 6.1 | 1.3  | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:30 | 1       |
| Trichlorofluoromethane                | ND     | vs        | 6.1 | 0.58 | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:30 | 1       |
| Vinyl chloride                        | ND     | vs        | 6.1 | 0.75 | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:30 | 1       |
| Xylenes, Total                        | 2.0    | J vs      | 12  | 1.0  | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:30 | 1       |

Eurofins TestAmerica, Buffalo



# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-185711-1

**Client Sample ID: TT51-5.5-7.0-210607**

**Lab Sample ID: 480-185711-3**

**Date Collected: 06/07/21 08:00**

**Matrix: Solid**

**Date Received: 06/07/21 14:10**

**Percent Solids: 78.9**

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 108       |           | 64 - 126 | 06/09/21 21:30 | 06/10/21 15:30 | 1       |
| Toluene-d8 (Surr)            | 98        |           | 71 - 125 | 06/09/21 21:30 | 06/10/21 15:30 | 1       |
| 4-Bromofluorobenzene (Surr)  | 95        |           | 72 - 126 | 06/09/21 21:30 | 06/10/21 15:30 | 1       |

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

| Analyte                            | Result     | Qualifier | RL   | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|------------------------------------|------------|-----------|------|------|-------|---|----------------|----------------|---------|
| 2,4,5-Trichlorophenol              | ND         |           | 210  | 57   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:58 | 1       |
| 2,4,6-Trichlorophenol              | ND         |           | 210  | 42   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:58 | 1       |
| 2,4-Dichlorophenol                 | ND         |           | 210  | 22   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:58 | 1       |
| 2,4-Dimethylphenol                 | ND         |           | 210  | 50   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:58 | 1       |
| 2,4-Dinitrophenol                  | ND         |           | 2000 | 960  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:58 | 1       |
| 2,4-Dinitrotoluene                 | ND         |           | 210  | 43   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:58 | 1       |
| 2,6-Dinitrotoluene                 | ND         |           | 210  | 25   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:58 | 1       |
| 2-Chloronaphthalene                | ND         |           | 210  | 34   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:58 | 1       |
| 2-Chlorophenol                     | ND         |           | 410  | 38   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:58 | 1       |
| 2-Methylnaphthalene                | ND         |           | 210  | 42   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:58 | 1       |
| 2-Methylphenol                     | ND         |           | 210  | 25   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:58 | 1       |
| 2-Nitroaniline                     | ND         |           | 410  | 31   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:58 | 1       |
| 2-Nitrophenol                      | ND         |           | 210  | 59   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:58 | 1       |
| 3,3'-Dichlorobenzidine             | ND         |           | 410  | 250  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:58 | 1       |
| 3-Nitroaniline                     | ND         |           | 410  | 58   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:58 | 1       |
| 4,6-Dinitro-2-methylphenol         | ND         |           | 410  | 210  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:58 | 1       |
| 4-Bromophenyl phenyl ether         | ND         |           | 210  | 30   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:58 | 1       |
| 4-Chloro-3-methylphenol            | ND         |           | 210  | 52   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:58 | 1       |
| 4-Chloroaniline                    | ND         |           | 210  | 52   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:58 | 1       |
| 4-Chlorophenyl phenyl ether        | ND         |           | 210  | 26   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:58 | 1       |
| 4-Methylphenol                     | ND         |           | 410  | 25   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:58 | 1       |
| 4-Nitroaniline                     | ND         |           | 410  | 110  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:58 | 1       |
| 4-Nitrophenol                      | ND         |           | 410  | 150  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:58 | 1       |
| Acenaphthene                       | ND         |           | 210  | 31   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:58 | 1       |
| Acenaphthylene                     | ND         |           | 210  | 27   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:58 | 1       |
| Acetophenone                       | ND         |           | 210  | 28   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:58 | 1       |
| Anthracene                         | ND         |           | 210  | 52   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:58 | 1       |
| Atrazine                           | ND         |           | 210  | 73   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:58 | 1       |
| Benzaldehyde                       | ND         |           | 210  | 170  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:58 | 1       |
| Benzo(a)anthracene                 | ND         |           | 210  | 21   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:58 | 1       |
| Benzo(a)pyrene                     | ND         |           | 210  | 31   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:58 | 1       |
| Benzo(b)fluoranthene               | ND         |           | 210  | 33   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:58 | 1       |
| Benzo(g,h,i)perylene               | ND         |           | 210  | 22   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:58 | 1       |
| Benzo(k)fluoranthene               | ND         |           | 210  | 27   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:58 | 1       |
| Benzoic acid                       | ND         |           | 5900 | 1800 | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:58 | 1       |
| Biphenyl                           | ND         |           | 210  | 31   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:58 | 1       |
| bis (2-chloroisopropyl) ether      | ND         |           | 210  | 42   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:58 | 1       |
| Bis(2-chloroethoxy)methane         | ND         |           | 210  | 44   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:58 | 1       |
| Bis(2-chloroethyl)ether            | ND         |           | 210  | 27   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:58 | 1       |
| <b>Bis(2-ethylhexyl) phthalate</b> | <b>540</b> |           | 210  | 71   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:58 | 1       |
| Butyl benzyl phthalate             | ND         |           | 210  | 34   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:58 | 1       |
| Caprolactam                        | ND         |           | 210  | 63   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:58 | 1       |
| Carbazole                          | ND         |           | 210  | 25   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:58 | 1       |
| Chrysene                           | ND         |           | 210  | 47   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:58 | 1       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-185711-1

Client Sample ID: TT51-5.5-7.0-210607

Lab Sample ID: 480-185711-3

Date Collected: 06/07/21 08:00

Matrix: Solid

Date Received: 06/07/21 14:10

Percent Solids: 78.9

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

| Analyte                   | Result | Qualifier | RL  | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------------|--------|-----------|-----|-----|-------|---|----------------|----------------|---------|
| Dibenz(a,h)anthracene     | ND     |           | 210 | 37  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:58 | 1       |
| Dibenzofuran              | ND     |           | 210 | 25  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:58 | 1       |
| Diethyl phthalate         | ND     |           | 210 | 27  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:58 | 1       |
| Dimethyl phthalate        | ND     |           | 210 | 25  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:58 | 1       |
| Di-n-butyl phthalate      | 67     | J         | 210 | 36  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:58 | 1       |
| Di-n-octyl phthalate      | ND     |           | 210 | 25  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:58 | 1       |
| Fluoranthene              | ND     |           | 210 | 22  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:58 | 1       |
| Fluorene                  | ND     |           | 210 | 25  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:58 | 1       |
| Hexachlorobenzene         | ND     |           | 210 | 28  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:58 | 1       |
| Hexachlorobutadiene       | ND     |           | 210 | 31  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:58 | 1       |
| Hexachlorocyclopentadiene | ND     |           | 210 | 28  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:58 | 1       |
| Hexachloroethane          | ND     |           | 210 | 27  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:58 | 1       |
| Indeno(1,2,3-cd)pyrene    | ND     |           | 210 | 26  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:58 | 1       |
| Isophorone                | ND     |           | 210 | 44  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:58 | 1       |
| Naphthalene               | ND     |           | 210 | 27  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:58 | 1       |
| Nitrobenzene              | ND     |           | 210 | 23  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:58 | 1       |
| N-Nitrosodi-n-propylamine | ND     |           | 210 | 36  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:58 | 1       |
| N-Nitrosodiphenylamine    | ND     |           | 210 | 170 | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:58 | 1       |
| Pentachlorophenol         | ND     |           | 410 | 210 | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:58 | 1       |
| Phenanthrene              | ND     |           | 210 | 31  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:58 | 1       |
| Phenol                    | ND     |           | 210 | 32  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:58 | 1       |
| Pyrene                    | ND     |           | 210 | 25  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 16:58 | 1       |

| Surrogate            | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 2,4,6-Tribromophenol | 99        |           | 54 - 120 | 06/08/21 15:17 | 06/16/21 16:58 | 1       |
| 2-Fluorobiphenyl     | 93        |           | 60 - 120 | 06/08/21 15:17 | 06/16/21 16:58 | 1       |
| 2-Fluorophenol       | 78        |           | 52 - 120 | 06/08/21 15:17 | 06/16/21 16:58 | 1       |
| Nitrobenzene-d5      | 79        |           | 53 - 120 | 06/08/21 15:17 | 06/16/21 16:58 | 1       |
| Phenol-d5            | 74        |           | 54 - 120 | 06/08/21 15:17 | 06/16/21 16:58 | 1       |
| p-Terphenyl-d14      | 98        |           | 79 - 130 | 06/08/21 15:17 | 06/16/21 16:58 | 1       |

## Method: 8081B - Organochlorine Pesticides (GC)

| Analyte             | Result | Qualifier | RL | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|--------|-----------|----|-----|-------|---|----------------|----------------|---------|
| 4,4'-DDE            | 5.2    | J         | 21 | 4.4 | ug/Kg | ☆ | 06/14/21 08:11 | 06/15/21 16:10 | 10      |
| 4,4'-DDT            | 49     |           | 21 | 4.9 | ug/Kg | ☆ | 06/14/21 08:11 | 06/15/21 16:10 | 10      |
| Aldrin              | ND     |           | 21 | 5.1 | ug/Kg | ☆ | 06/14/21 08:11 | 06/15/21 16:10 | 10      |
| alpha-BHC           | ND     |           | 21 | 3.7 | ug/Kg | ☆ | 06/14/21 08:11 | 06/15/21 16:10 | 10      |
| cis-Chlordane       | ND     |           | 21 | 10  | ug/Kg | ☆ | 06/14/21 08:11 | 06/15/21 16:10 | 10      |
| beta-BHC            | ND     |           | 21 | 3.7 | ug/Kg | ☆ | 06/14/21 08:11 | 06/15/21 16:10 | 10      |
| delta-BHC           | ND     |           | 21 | 3.9 | ug/Kg | ☆ | 06/14/21 08:11 | 06/15/21 16:10 | 10      |
| Dieldrin            | ND     |           | 21 | 5.0 | ug/Kg | ☆ | 06/14/21 08:11 | 06/15/21 16:10 | 10      |
| Endosulfan I        | ND     |           | 21 | 4.0 | ug/Kg | ☆ | 06/14/21 08:11 | 06/15/21 16:10 | 10      |
| Endosulfan II       | ND     |           | 21 | 3.7 | ug/Kg | ☆ | 06/14/21 08:11 | 06/15/21 16:10 | 10      |
| Endosulfan sulfate  | ND     |           | 21 | 3.9 | ug/Kg | ☆ | 06/14/21 08:11 | 06/15/21 16:10 | 10      |
| Endrin              | ND     |           | 21 | 4.1 | ug/Kg | ☆ | 06/14/21 08:11 | 06/15/21 16:10 | 10      |
| Endrin aldehyde     | ND     |           | 21 | 5.3 | ug/Kg | ☆ | 06/14/21 08:11 | 06/15/21 16:10 | 10      |
| Endrin ketone       | ND     |           | 21 | 5.1 | ug/Kg | ☆ | 06/14/21 08:11 | 06/15/21 16:10 | 10      |
| gamma-BHC (Lindane) | ND     |           | 21 | 3.8 | ug/Kg | ☆ | 06/14/21 08:11 | 06/15/21 16:10 | 10      |
| trans-Chlordane     | ND     |           | 21 | 6.6 | ug/Kg | ☆ | 06/14/21 08:11 | 06/15/21 16:10 | 10      |
| Heptachlor          | ND     |           | 21 | 4.5 | ug/Kg | ☆ | 06/14/21 08:11 | 06/15/21 16:10 | 10      |

Eurofins TestAmerica, Buffalo

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-185711-1

Client Sample ID: TT51-5.5-7.0-210607

Lab Sample ID: 480-185711-3

Date Collected: 06/07/21 08:00

Matrix: Solid

Date Received: 06/07/21 14:10

Percent Solids: 78.9

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

| Analyte            | Result     | Qualifier | RL  | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------|------------|-----------|-----|-----|-------|---|----------------|----------------|---------|
| Heptachlor epoxide | ND         |           | 21  | 5.3 | ug/Kg | ✱ | 06/14/21 08:11 | 06/15/21 16:10 | 10      |
| Methoxychlor       | ND         |           | 21  | 4.2 | ug/Kg | ✱ | 06/14/21 08:11 | 06/15/21 16:10 | 10      |
| Toxaphene          | ND         |           | 210 | 120 | ug/Kg | ✱ | 06/14/21 08:11 | 06/15/21 16:10 | 10      |
| <b>4,4'-DDD</b>    | <b>170</b> |           | 21  | 4.0 | ug/Kg | ✱ | 06/14/21 08:11 | 06/15/21 16:10 | 10      |
| Mirex              | ND         |           | 21  | 5.1 | ug/Kg | ✱ | 06/14/21 08:11 | 06/15/21 16:10 | 10      |

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| DCB Decachlorobiphenyl | 0         | S1-       | 45 - 120 | 06/14/21 08:11 | 06/15/21 16:10 | 10      |
| DCB Decachlorobiphenyl | 0         | S1-       | 45 - 120 | 06/14/21 08:11 | 06/15/21 16:10 | 10      |
| Tetrachloro-m-xylene   | 0         | S1-       | 30 - 124 | 06/14/21 08:11 | 06/15/21 16:10 | 10      |
| Tetrachloro-m-xylene   | 0         | S1-       | 30 - 124 | 06/14/21 08:11 | 06/15/21 16:10 | 10      |

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

| Analyte         | Result       | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------|--------------|-----------|------|-------|-------|---|----------------|----------------|---------|
| PCB-1016        | ND           |           | 0.26 | 0.051 | mg/Kg | ✱ | 06/14/21 07:19 | 06/14/21 20:23 | 1       |
| PCB-1221        | ND           |           | 0.26 | 0.051 | mg/Kg | ✱ | 06/14/21 07:19 | 06/14/21 20:23 | 1       |
| PCB-1232        | ND           |           | 0.26 | 0.051 | mg/Kg | ✱ | 06/14/21 07:19 | 06/14/21 20:23 | 1       |
| <b>PCB-1242</b> | <b>0.060</b> | <b>J</b>  | 0.26 | 0.051 | mg/Kg | ✱ | 06/14/21 07:19 | 06/14/21 20:23 | 1       |
| PCB-1248        | ND           |           | 0.26 | 0.051 | mg/Kg | ✱ | 06/14/21 07:19 | 06/14/21 20:23 | 1       |
| PCB-1254        | ND           |           | 0.26 | 0.12  | mg/Kg | ✱ | 06/14/21 07:19 | 06/14/21 20:23 | 1       |
| PCB-1260        | ND           |           | 0.26 | 0.12  | mg/Kg | ✱ | 06/14/21 07:19 | 06/14/21 20:23 | 1       |
| PCB-1262        | ND           |           | 0.26 | 0.12  | mg/Kg | ✱ | 06/14/21 07:19 | 06/14/21 20:23 | 1       |
| PCB-1268        | ND           |           | 0.26 | 0.12  | mg/Kg | ✱ | 06/14/21 07:19 | 06/14/21 20:23 | 1       |

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| Tetrachloro-m-xylene   | 109       |           | 60 - 154 | 06/14/21 07:19 | 06/14/21 20:23 | 1       |
| Tetrachloro-m-xylene   | 112       |           | 60 - 154 | 06/14/21 07:19 | 06/14/21 20:23 | 1       |
| DCB Decachlorobiphenyl | 85        |           | 65 - 174 | 06/14/21 07:19 | 06/14/21 20:23 | 1       |
| DCB Decachlorobiphenyl | 85        |           | 65 - 174 | 06/14/21 07:19 | 06/14/21 20:23 | 1       |

## Method: 6010C - Metals (ICP)

| Analyte          | Result       | Qualifier    | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|------------------|--------------|--------------|------|-------|-------|---|----------------|----------------|---------|
| <b>Aluminum</b>  | <b>14900</b> |              | 12.9 | 5.7   | mg/Kg | ✱ | 06/09/21 16:49 | 06/10/21 17:18 | 1       |
| Antimony         | ND           |              | 19.4 | 0.52  | mg/Kg | ✱ | 06/09/21 16:49 | 06/10/21 17:18 | 1       |
| <b>Arsenic</b>   | <b>3.0</b>   |              | 2.6  | 0.52  | mg/Kg | ✱ | 06/09/21 16:49 | 06/10/21 17:18 | 1       |
| <b>Barium</b>    | <b>88.7</b>  |              | 0.65 | 0.14  | mg/Kg | ✱ | 06/09/21 16:49 | 06/10/21 17:18 | 1       |
| <b>Beryllium</b> | <b>0.70</b>  |              | 0.26 | 0.036 | mg/Kg | ✱ | 06/09/21 16:49 | 06/10/21 17:18 | 1       |
| <b>Cadmium</b>   | <b>0.29</b>  |              | 0.26 | 0.039 | mg/Kg | ✱ | 06/09/21 16:49 | 06/10/21 17:18 | 1       |
| <b>Calcium</b>   | <b>53500</b> | <b>B</b>     | 64.7 | 4.3   | mg/Kg | ✱ | 06/09/21 16:49 | 06/10/21 17:18 | 1       |
| <b>Chromium</b>  | <b>21.0</b>  |              | 0.65 | 0.26  | mg/Kg | ✱ | 06/09/21 16:49 | 06/10/21 17:18 | 1       |
| <b>Cobalt</b>    | <b>9.3</b>   |              | 0.65 | 0.065 | mg/Kg | ✱ | 06/09/21 16:49 | 06/10/21 17:18 | 1       |
| <b>Copper</b>    | <b>17.9</b>  |              | 1.3  | 0.27  | mg/Kg | ✱ | 06/09/21 16:49 | 06/10/21 17:18 | 1       |
| <b>Iron</b>      | <b>23400</b> | <b>^2 ^+</b> | 12.9 | 4.5   | mg/Kg | ✱ | 06/09/21 16:49 | 06/10/21 17:18 | 1       |
| <b>Lead</b>      | <b>12.3</b>  |              | 1.3  | 0.31  | mg/Kg | ✱ | 06/09/21 16:49 | 06/10/21 17:18 | 1       |
| <b>Magnesium</b> | <b>14600</b> | <b>B</b>     | 25.9 | 1.2   | mg/Kg | ✱ | 06/09/21 16:49 | 06/10/21 17:18 | 1       |
| <b>Manganese</b> | <b>552</b>   | <b>B ^+</b>  | 0.26 | 0.041 | mg/Kg | ✱ | 06/09/21 16:49 | 06/10/21 17:18 | 1       |
| <b>Nickel</b>    | <b>23.3</b>  |              | 6.5  | 0.30  | mg/Kg | ✱ | 06/09/21 16:49 | 06/10/21 17:18 | 1       |
| <b>Potassium</b> | <b>4090</b>  |              | 38.8 | 25.9  | mg/Kg | ✱ | 06/09/21 16:49 | 06/10/21 17:18 | 1       |
| Selenium         | ND           |              | 5.2  | 0.52  | mg/Kg | ✱ | 06/09/21 16:49 | 06/10/21 17:18 | 1       |
| Silver           | ND           |              | 0.78 | 0.26  | mg/Kg | ✱ | 06/09/21 16:49 | 06/10/21 17:18 | 1       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-185711-1

**Client Sample ID: TT51-5.5-7.0-210607**

**Lab Sample ID: 480-185711-3**

**Date Collected: 06/07/21 08:00**

**Matrix: Solid**

**Date Received: 06/07/21 14:10**

**Percent Solids: 78.9**

## Method: 6010C - Metals (ICP) (Continued)

| Analyte  | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------|-----------|------|------|-------|---|----------------|----------------|---------|
| Sodium   | 276    | B         | 181  | 16.8 | mg/Kg | ✱ | 06/09/21 16:49 | 06/10/21 17:18 | 1       |
| Thallium | ND     |           | 7.8  | 0.39 | mg/Kg | ✱ | 06/09/21 16:49 | 06/10/21 17:18 | 1       |
| Vanadium | 32.5   |           | 0.65 | 0.14 | mg/Kg | ✱ | 06/09/21 16:49 | 06/10/21 17:18 | 1       |
| Zinc     | 55.0   |           | 2.6  | 0.83 | mg/Kg | ✱ | 06/09/21 16:49 | 06/10/21 17:18 | 1       |

## Method: 7471B - Mercury (CVAA)

| Analyte | Result | Qualifier | RL    | MDL    | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------|--------|-----------|-------|--------|-------|---|----------------|----------------|---------|
| Mercury | 0.058  |           | 0.023 | 0.0092 | mg/Kg | ✱ | 06/16/21 12:25 | 06/16/21 14:41 | 1       |

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-185711-1

Client Sample ID: TT02-3.5-4.0-210607

Lab Sample ID: 480-185711-4

Date Collected: 06/07/21 10:25

Matrix: Solid

Date Received: 06/07/21 14:10

Percent Solids: 59.3

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

| Analyte                               | Result     | Qualifier       | RL  | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------------------------|------------|-----------------|-----|------|-------|---|----------------|----------------|---------|
| 1,1,1-Trichloroethane                 | ND         | F1 vs           | 8.4 | 0.61 | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 17:58 | 1       |
| 1,1,2,2-Tetrachloroethane             | ND         | F1 *3 vs        | 8.4 | 1.4  | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 17:58 | 1       |
| 1,1,2-Trichloroethane                 | ND         | vs              | 8.4 | 1.1  | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 17:58 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND         | F1 vs           | 8.4 | 1.9  | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 17:58 | 1       |
| 1,1-Dichloroethane                    | ND         | vs              | 8.4 | 1.0  | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 17:58 | 1       |
| 1,1-Dichloroethene                    | ND         | vs              | 8.4 | 1.0  | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 17:58 | 1       |
| 1,2,4-Trichlorobenzene                | ND         | F1 *3 vs        | 8.4 | 0.51 | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 17:58 | 1       |
| 1,2-Dibromo-3-Chloropropane           | ND         | *3 vs           | 8.4 | 4.2  | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 17:58 | 1       |
| 1,2-Dibromoethane                     | ND         | F1 vs           | 8.4 | 1.1  | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 17:58 | 1       |
| 1,2-Dichlorobenzene                   | ND         | F1 *3 vs        | 8.4 | 0.66 | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 17:58 | 1       |
| 1,2-Dichloroethane                    | ND         | F1 vs           | 8.4 | 0.42 | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 17:58 | 1       |
| 1,2-Dichloropropane                   | ND         | F1 vs           | 8.4 | 4.2  | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 17:58 | 1       |
| 1,3-Dichlorobenzene                   | ND         | F1 *3 vs        | 8.4 | 0.43 | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 17:58 | 1       |
| <b>1,4-Dichlorobenzene</b>            | <b>140</b> | <b>F1 *3 vs</b> | 8.4 | 1.2  | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 17:58 | 1       |
| 2-Hexanone                            | ND         | F1 vs           | 42  | 4.2  | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 17:58 | 1       |
| <b>2-Butanone (MEK)</b>               | <b>15</b>  | <b>J F1 vs</b>  | 42  | 3.1  | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 17:58 | 1       |
| 4-Methyl-2-pentanone (MIBK)           | ND         | vs              | 42  | 2.8  | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 17:58 | 1       |
| <b>Acetone</b>                        | <b>140</b> | <b>F1 vs</b>    | 42  | 7.1  | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 17:58 | 1       |
| <b>Benzene</b>                        | <b>5.6</b> | <b>J F1 vs</b>  | 8.4 | 0.41 | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 17:58 | 1       |
| Bromodichloromethane                  | ND         | F1 vs           | 8.4 | 1.1  | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 17:58 | 1       |
| Bromoform                             | ND         | F1 vs           | 8.4 | 4.2  | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 17:58 | 1       |
| Bromomethane                          | ND         | *+ vs           | 8.4 | 0.76 | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 17:58 | 1       |
| <b>Carbon disulfide</b>               | <b>4.8</b> | <b>J F1 vs</b>  | 8.4 | 4.2  | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 17:58 | 1       |
| Carbon tetrachloride                  | ND         | F1 vs           | 8.4 | 0.81 | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 17:58 | 1       |
| <b>Chlorobenzene</b>                  | <b>130</b> | <b>F1 vs</b>    | 8.4 | 1.1  | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 17:58 | 1       |
| Dibromochloromethane                  | ND         | F1 vs           | 8.4 | 1.1  | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 17:58 | 1       |
| Chloroethane                          | ND         | F1 *+ vs        | 8.4 | 1.9  | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 17:58 | 1       |
| Chloroform                            | ND         | F1 vs           | 8.4 | 0.52 | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 17:58 | 1       |
| Chloromethane                         | ND         | vs              | 8.4 | 0.51 | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 17:58 | 1       |
| cis-1,2-Dichloroethene                | ND         | F1 vs           | 8.4 | 1.1  | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 17:58 | 1       |
| cis-1,3-Dichloropropene               | ND         | F1 vs           | 8.4 | 1.2  | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 17:58 | 1       |
| <b>Cyclohexane</b>                    | <b>2.5</b> | <b>J F1 vs</b>  | 8.4 | 1.2  | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 17:58 | 1       |
| Dichlorodifluoromethane               | ND         | vs              | 8.4 | 0.70 | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 17:58 | 1       |
| Ethylbenzene                          | ND         | F1 vs           | 8.4 | 0.58 | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 17:58 | 1       |
| <b>Isopropylbenzene</b>               | <b>170</b> | <b>F1 *3 vs</b> | 8.4 | 1.3  | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 17:58 | 1       |
| Methyl acetate                        | ND         | vs              | 42  | 5.1  | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 17:58 | 1       |
| Methyl tert-butyl ether               | ND         | vs              | 8.4 | 0.83 | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 17:58 | 1       |
| <b>Methylcyclohexane</b>              | <b>6.7</b> | <b>J F1 vs</b>  | 8.4 | 1.3  | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 17:58 | 1       |
| Methylene Chloride                    | ND         | vs              | 8.4 | 3.9  | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 17:58 | 1       |
| Styrene                               | ND         | F1 vs           | 8.4 | 0.42 | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 17:58 | 1       |
| Tetrachloroethene                     | ND         | F1 vs           | 8.4 | 1.1  | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 17:58 | 1       |
| <b>Toluene</b>                        | <b>2.8</b> | <b>J F1 vs</b>  | 8.4 | 0.64 | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 17:58 | 1       |
| trans-1,2-Dichloroethene              | ND         | vs              | 8.4 | 0.87 | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 17:58 | 1       |
| trans-1,3-Dichloropropene             | ND         | F1 vs           | 8.4 | 3.7  | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 17:58 | 1       |
| Trichloroethene                       | ND         | F1 vs           | 8.4 | 1.9  | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 17:58 | 1       |
| Trichlorofluoromethane                | ND         | vs              | 8.4 | 0.80 | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 17:58 | 1       |
| Vinyl chloride                        | ND         | vs              | 8.4 | 1.0  | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 17:58 | 1       |
| <b>Xylenes, Total</b>                 | <b>41</b>  | <b>F1 vs</b>    | 17  | 1.4  | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 17:58 | 1       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-185711-1

**Client Sample ID: TT02-3.5-4.0-210607**

**Lab Sample ID: 480-185711-4**

**Date Collected: 06/07/21 10:25**

**Matrix: Solid**

**Date Received: 06/07/21 14:10**

**Percent Solids: 59.3**

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 112       |           | 64 - 126 | 06/11/21 10:30 | 06/11/21 17:58 | 1       |
| Toluene-d8 (Surr)            | 102       |           | 71 - 125 | 06/11/21 10:30 | 06/11/21 17:58 | 1       |
| 4-Bromofluorobenzene (Surr)  | 63        | S1-       | 72 - 126 | 06/11/21 10:30 | 06/11/21 17:58 | 1       |

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

| Analyte                            | Result       | Qualifier | RL     | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|------------------------------------|--------------|-----------|--------|-------|-------|---|----------------|----------------|---------|
| 2,4,5-Trichlorophenol              | ND           |           | 8300   | 2300  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 14:06 | 5       |
| 2,4,6-Trichlorophenol              | ND           |           | 8300   | 1700  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 14:06 | 5       |
| 2,4-Dichlorophenol                 | ND           |           | 8300   | 880   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 14:06 | 5       |
| 2,4-Dimethylphenol                 | ND           |           | 8300   | 2000  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 14:06 | 5       |
| 2,4-Dinitrophenol                  | ND           |           | 81000  | 38000 | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 14:06 | 5       |
| 2,4-Dinitrotoluene                 | ND           |           | 8300   | 1700  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 14:06 | 5       |
| 2,6-Dinitrotoluene                 | ND           |           | 8300   | 980   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 14:06 | 5       |
| 2-Chloronaphthalene                | ND           |           | 8300   | 1400  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 14:06 | 5       |
| 2-Chlorophenol                     | ND           |           | 16000  | 1500  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 14:06 | 5       |
| 2-Methylnaphthalene                | ND           |           | 8300   | 1700  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 14:06 | 5       |
| 2-Methylphenol                     | ND           |           | 8300   | 980   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 14:06 | 5       |
| 2-Nitroaniline                     | ND           |           | 16000  | 1200  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 14:06 | 5       |
| 2-Nitrophenol                      | ND           |           | 8300   | 2400  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 14:06 | 5       |
| 3,3'-Dichlorobenzidine             | ND           |           | 16000  | 9800  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 14:06 | 5       |
| 3-Nitroaniline                     | ND           |           | 16000  | 2300  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 14:06 | 5       |
| 4,6-Dinitro-2-methylphenol         | ND           |           | 16000  | 8300  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 14:06 | 5       |
| 4-Bromophenyl phenyl ether         | ND           |           | 8300   | 1200  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 14:06 | 5       |
| 4-Chloro-3-methylphenol            | ND           |           | 8300   | 2100  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 14:06 | 5       |
| 4-Chloroaniline                    | ND           |           | 8300   | 2100  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 14:06 | 5       |
| 4-Chlorophenyl phenyl ether        | ND           |           | 8300   | 1000  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 14:06 | 5       |
| 4-Methylphenol                     | ND           |           | 16000  | 980   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 14:06 | 5       |
| 4-Nitroaniline                     | ND           |           | 16000  | 4400  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 14:06 | 5       |
| 4-Nitrophenol                      | ND           |           | 16000  | 5800  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 14:06 | 5       |
| Acenaphthene                       | ND           |           | 8300   | 1200  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 14:06 | 5       |
| Acenaphthylene                     | ND           |           | 8300   | 1100  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 14:06 | 5       |
| Acetophenone                       | ND           |           | 8300   | 1100  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 14:06 | 5       |
| Anthracene                         | ND           | F2        | 8300   | 2100  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 14:06 | 5       |
| Atrazine                           | ND           |           | 8300   | 2900  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 14:06 | 5       |
| Benzaldehyde                       | ND           |           | 8300   | 6600  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 14:06 | 5       |
| Benzo(a)anthracene                 | ND           | F2        | 8300   | 830   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 14:06 | 5       |
| Benzo(a)pyrene                     | ND           |           | 8300   | 1200  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 14:06 | 5       |
| Benzo(b)fluoranthene               | ND           |           | 8300   | 1300  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 14:06 | 5       |
| Benzo(g,h,i)perylene               | ND           |           | 8300   | 880   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 14:06 | 5       |
| Benzo(k)fluoranthene               | ND           |           | 8300   | 1100  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 14:06 | 5       |
| Benzoic acid                       | ND           |           | 240000 | 74000 | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 14:06 | 5       |
| Biphenyl                           | ND           |           | 8300   | 1200  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 14:06 | 5       |
| bis (2-chloroisopropyl) ether      | ND           |           | 8300   | 1700  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 14:06 | 5       |
| Bis(2-chloroethoxy)methane         | ND           |           | 8300   | 1800  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 14:06 | 5       |
| Bis(2-chloroethyl)ether            | ND           |           | 8300   | 1100  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 14:06 | 5       |
| <b>Bis(2-ethylhexyl) phthalate</b> | <b>17000</b> | <b>F1</b> | 8300   | 2800  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 14:06 | 5       |
| Butyl benzyl phthalate             | ND           | F2        | 8300   | 1400  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 14:06 | 5       |
| Caprolactam                        | ND           |           | 8300   | 2500  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 14:06 | 5       |
| Carbazole                          | ND           |           | 8300   | 980   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 14:06 | 5       |
| Chrysene                           | ND           |           | 8300   | 1900  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 14:06 | 5       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-185711-1

Client Sample ID: TT02-3.5-4.0-210607

Lab Sample ID: 480-185711-4

Date Collected: 06/07/21 10:25

Matrix: Solid

Date Received: 06/07/21 14:10

Percent Solids: 59.3

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

| Analyte                   | Result | Qualifier | RL    | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------------|--------|-----------|-------|------|-------|---|----------------|----------------|---------|
| Dibenz(a,h)anthracene     | ND     |           | 8300  | 1500 | ug/Kg | ✱ | 06/08/21 15:17 | 06/16/21 14:06 | 5       |
| Dibenzofuran              | ND     |           | 8300  | 980  | ug/Kg | ✱ | 06/08/21 15:17 | 06/16/21 14:06 | 5       |
| Diethyl phthalate         | ND     |           | 8300  | 1100 | ug/Kg | ✱ | 06/08/21 15:17 | 06/16/21 14:06 | 5       |
| Dimethyl phthalate        | ND     |           | 8300  | 980  | ug/Kg | ✱ | 06/08/21 15:17 | 06/16/21 14:06 | 5       |
| Di-n-butyl phthalate      | ND     | F2        | 8300  | 1400 | ug/Kg | ✱ | 06/08/21 15:17 | 06/16/21 14:06 | 5       |
| Di-n-octyl phthalate      | ND     |           | 8300  | 980  | ug/Kg | ✱ | 06/08/21 15:17 | 06/16/21 14:06 | 5       |
| Fluoranthene              | ND     | F2        | 8300  | 880  | ug/Kg | ✱ | 06/08/21 15:17 | 06/16/21 14:06 | 5       |
| Fluorene                  | ND     |           | 8300  | 980  | ug/Kg | ✱ | 06/08/21 15:17 | 06/16/21 14:06 | 5       |
| Hexachlorobenzene         | ND     | F2        | 8300  | 1100 | ug/Kg | ✱ | 06/08/21 15:17 | 06/16/21 14:06 | 5       |
| Hexachlorobutadiene       | ND     |           | 8300  | 1200 | ug/Kg | ✱ | 06/08/21 15:17 | 06/16/21 14:06 | 5       |
| Hexachlorocyclopentadiene | ND     |           | 8300  | 1100 | ug/Kg | ✱ | 06/08/21 15:17 | 06/16/21 14:06 | 5       |
| Hexachloroethane          | ND     |           | 8300  | 1100 | ug/Kg | ✱ | 06/08/21 15:17 | 06/16/21 14:06 | 5       |
| Indeno(1,2,3-cd)pyrene    | ND     | F2        | 8300  | 1000 | ug/Kg | ✱ | 06/08/21 15:17 | 06/16/21 14:06 | 5       |
| Isophorone                | ND     |           | 8300  | 1800 | ug/Kg | ✱ | 06/08/21 15:17 | 06/16/21 14:06 | 5       |
| Naphthalene               | ND     |           | 8300  | 1100 | ug/Kg | ✱ | 06/08/21 15:17 | 06/16/21 14:06 | 5       |
| Nitrobenzene              | ND     |           | 8300  | 930  | ug/Kg | ✱ | 06/08/21 15:17 | 06/16/21 14:06 | 5       |
| N-Nitrosodi-n-propylamine | ND     |           | 8300  | 1400 | ug/Kg | ✱ | 06/08/21 15:17 | 06/16/21 14:06 | 5       |
| N-Nitrosodiphenylamine    | ND     |           | 8300  | 6800 | ug/Kg | ✱ | 06/08/21 15:17 | 06/16/21 14:06 | 5       |
| Pentachlorophenol         | ND     |           | 16000 | 8300 | ug/Kg | ✱ | 06/08/21 15:17 | 06/16/21 14:06 | 5       |
| Phenanthrene              | ND     |           | 8300  | 1200 | ug/Kg | ✱ | 06/08/21 15:17 | 06/16/21 14:06 | 5       |
| Phenol                    | ND     |           | 8300  | 1300 | ug/Kg | ✱ | 06/08/21 15:17 | 06/16/21 14:06 | 5       |
| Pyrene                    | ND     |           | 8300  | 980  | ug/Kg | ✱ | 06/08/21 15:17 | 06/16/21 14:06 | 5       |

| Surrogate            | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 2,4,6-Tribromophenol | 86        |           | 54 - 120 | 06/08/21 15:17 | 06/16/21 14:06 | 5       |
| 2-Fluorobiphenyl     | 87        |           | 60 - 120 | 06/08/21 15:17 | 06/16/21 14:06 | 5       |
| 2-Fluorophenol       | 80        |           | 52 - 120 | 06/08/21 15:17 | 06/16/21 14:06 | 5       |
| Nitrobenzene-d5      | 76        |           | 53 - 120 | 06/08/21 15:17 | 06/16/21 14:06 | 5       |
| Phenol-d5            | 72        |           | 54 - 120 | 06/08/21 15:17 | 06/16/21 14:06 | 5       |
| p-Terphenyl-d14      | 86        |           | 79 - 130 | 06/08/21 15:17 | 06/16/21 14:06 | 5       |

## Method: 8081B - Organochlorine Pesticides (GC)

| Analyte             | Result | Qualifier | RL | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|--------|-----------|----|-----|-------|---|----------------|----------------|---------|
| 4,4'-DDE            | ND     |           | 28 | 5.9 | ug/Kg | ✱ | 06/14/21 08:11 | 06/15/21 13:13 | 10      |
| 4,4'-DDT            | 24     | J F1      | 28 | 6.5 | ug/Kg | ✱ | 06/14/21 08:11 | 06/15/21 13:13 | 10      |
| Aldrin              | ND     | F1        | 28 | 6.9 | ug/Kg | ✱ | 06/14/21 08:11 | 06/15/21 13:13 | 10      |
| alpha-BHC           | ND     |           | 28 | 5.0 | ug/Kg | ✱ | 06/14/21 08:11 | 06/15/21 13:13 | 10      |
| cis-Chlordane       | ND     | F1        | 28 | 14  | ug/Kg | ✱ | 06/14/21 08:11 | 06/15/21 13:13 | 10      |
| beta-BHC            | ND     |           | 28 | 5.0 | ug/Kg | ✱ | 06/14/21 08:11 | 06/15/21 13:13 | 10      |
| delta-BHC           | ND     | F1        | 28 | 5.2 | ug/Kg | ✱ | 06/14/21 08:11 | 06/15/21 13:13 | 10      |
| Dieldrin            | ND     | F2        | 28 | 6.7 | ug/Kg | ✱ | 06/14/21 08:11 | 06/15/21 13:13 | 10      |
| Endosulfan I        | ND     |           | 28 | 5.4 | ug/Kg | ✱ | 06/14/21 08:11 | 06/15/21 13:13 | 10      |
| Endosulfan II       | ND     |           | 28 | 5.0 | ug/Kg | ✱ | 06/14/21 08:11 | 06/15/21 13:13 | 10      |
| Endosulfan sulfate  | ND     |           | 28 | 5.2 | ug/Kg | ✱ | 06/14/21 08:11 | 06/15/21 13:13 | 10      |
| Endrin              | ND     | F1        | 28 | 5.5 | ug/Kg | ✱ | 06/14/21 08:11 | 06/15/21 13:13 | 10      |
| Endrin aldehyde     | ND     | F2        | 28 | 7.1 | ug/Kg | ✱ | 06/14/21 08:11 | 06/15/21 13:13 | 10      |
| Endrin ketone       | ND     | F1        | 28 | 6.9 | ug/Kg | ✱ | 06/14/21 08:11 | 06/15/21 13:13 | 10      |
| gamma-BHC (Lindane) | ND     | F2        | 28 | 5.1 | ug/Kg | ✱ | 06/14/21 08:11 | 06/15/21 13:13 | 10      |
| trans-Chlordane     | ND     |           | 28 | 8.9 | ug/Kg | ✱ | 06/14/21 08:11 | 06/15/21 13:13 | 10      |
| Heptachlor          | ND     |           | 28 | 6.1 | ug/Kg | ✱ | 06/14/21 08:11 | 06/15/21 13:13 | 10      |

Eurofins TestAmerica, Buffalo

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-185711-1

Client Sample ID: TT02-3.5-4.0-210607

Lab Sample ID: 480-185711-4

Date Collected: 06/07/21 10:25

Matrix: Solid

Date Received: 06/07/21 14:10

Percent Solids: 59.3

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

| Analyte            | Result    | Qualifier | RL  | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------|-----------|-----------|-----|-----|-------|---|----------------|----------------|---------|
| Heptachlor epoxide | ND        | F1        | 28  | 7.2 | ug/Kg | ✱ | 06/14/21 08:11 | 06/15/21 13:13 | 10      |
| Methoxychlor       | ND        |           | 28  | 5.7 | ug/Kg | ✱ | 06/14/21 08:11 | 06/15/21 13:13 | 10      |
| Toxaphene          | ND        |           | 280 | 160 | ug/Kg | ✱ | 06/14/21 08:11 | 06/15/21 13:13 | 10      |
| <b>4,4'-DDD</b>    | <b>21</b> | <b>J</b>  | 28  | 5.4 | ug/Kg | ✱ | 06/14/21 08:11 | 06/15/21 13:13 | 10      |
| Mirex              | ND        |           | 28  | 6.8 | ug/Kg | ✱ | 06/14/21 08:11 | 06/15/21 13:13 | 10      |

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| DCB Decachlorobiphenyl | 72        |           | 45 - 120 | 06/14/21 08:11 | 06/15/21 13:13 | 10      |
| DCB Decachlorobiphenyl | 31        | S1-       | 45 - 120 | 06/14/21 08:11 | 06/15/21 13:13 | 10      |
| Tetrachloro-m-xylene   | 68        |           | 30 - 124 | 06/14/21 08:11 | 06/15/21 13:13 | 10      |
| Tetrachloro-m-xylene   | 41        |           | 30 - 124 | 06/14/21 08:11 | 06/15/21 13:13 | 10      |

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

| Analyte         | Result      | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------|-------------|-----------|------|-------|-------|---|----------------|----------------|---------|
| PCB-1016        | ND          |           | 0.31 | 0.060 | mg/Kg | ✱ | 06/14/21 07:19 | 06/14/21 19:57 | 1       |
| PCB-1221        | ND          |           | 0.31 | 0.060 | mg/Kg | ✱ | 06/14/21 07:19 | 06/14/21 19:57 | 1       |
| PCB-1232        | ND          |           | 0.31 | 0.060 | mg/Kg | ✱ | 06/14/21 07:19 | 06/14/21 19:57 | 1       |
| <b>PCB-1242</b> | <b>0.81</b> |           | 0.31 | 0.060 | mg/Kg | ✱ | 06/14/21 07:19 | 06/14/21 19:57 | 1       |
| PCB-1248        | ND          |           | 0.31 | 0.060 | mg/Kg | ✱ | 06/14/21 07:19 | 06/14/21 19:57 | 1       |
| <b>PCB-1254</b> | <b>0.19</b> | <b>J</b>  | 0.31 | 0.14  | mg/Kg | ✱ | 06/14/21 07:19 | 06/14/21 19:57 | 1       |
| PCB-1260        | ND          |           | 0.31 | 0.14  | mg/Kg | ✱ | 06/14/21 07:19 | 06/14/21 19:57 | 1       |
| PCB-1262        | ND          |           | 0.31 | 0.14  | mg/Kg | ✱ | 06/14/21 07:19 | 06/14/21 19:57 | 1       |
| PCB-1268        | ND          |           | 0.31 | 0.14  | mg/Kg | ✱ | 06/14/21 07:19 | 06/14/21 19:57 | 1       |

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| Tetrachloro-m-xylene   | 77        |           | 60 - 154 | 06/14/21 07:19 | 06/14/21 19:57 | 1       |
| Tetrachloro-m-xylene   | 78        |           | 60 - 154 | 06/14/21 07:19 | 06/14/21 19:57 | 1       |
| DCB Decachlorobiphenyl | 59        | S1-       | 65 - 174 | 06/14/21 07:19 | 06/14/21 19:57 | 1       |
| DCB Decachlorobiphenyl | 59        | S1-       | 65 - 174 | 06/14/21 07:19 | 06/14/21 19:57 | 1       |

## Method: 6010C - Metals (ICP)

| Analyte          | Result       | Qualifier    | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|------------------|--------------|--------------|------|-------|-------|---|----------------|----------------|---------|
| <b>Aluminum</b>  | <b>7950</b>  | <b>F2 F1</b> | 17.8 | 7.8   | mg/Kg | ✱ | 06/09/21 16:49 | 06/10/21 17:22 | 1       |
| Antimony         | ND           |              | 26.6 | 0.71  | mg/Kg | ✱ | 06/09/21 16:49 | 06/10/21 17:22 | 1       |
| <b>Arsenic</b>   | <b>5.3</b>   |              | 3.6  | 0.71  | mg/Kg | ✱ | 06/09/21 16:49 | 06/10/21 17:22 | 1       |
| <b>Barium</b>    | <b>170</b>   | <b>F1</b>    | 0.89 | 0.20  | mg/Kg | ✱ | 06/09/21 16:49 | 06/10/21 17:22 | 1       |
| <b>Beryllium</b> | <b>0.28</b>  | <b>J</b>     | 0.36 | 0.050 | mg/Kg | ✱ | 06/09/21 16:49 | 06/10/21 17:22 | 1       |
| <b>Cadmium</b>   | <b>6.1</b>   |              | 0.36 | 0.053 | mg/Kg | ✱ | 06/09/21 16:49 | 06/10/21 17:22 | 1       |
| <b>Calcium</b>   | <b>11200</b> | <b>B F1</b>  | 88.8 | 5.9   | mg/Kg | ✱ | 06/09/21 16:49 | 06/10/21 17:22 | 1       |
| <b>Chromium</b>  | <b>50.9</b>  | <b>F1</b>    | 0.89 | 0.36  | mg/Kg | ✱ | 06/09/21 16:49 | 06/10/21 17:22 | 1       |
| <b>Cobalt</b>    | <b>5.8</b>   |              | 0.89 | 0.089 | mg/Kg | ✱ | 06/09/21 16:49 | 06/10/21 17:22 | 1       |
| <b>Copper</b>    | <b>77.1</b>  | <b>F1</b>    | 1.8  | 0.37  | mg/Kg | ✱ | 06/09/21 16:49 | 06/10/21 17:22 | 1       |
| <b>Iron</b>      | <b>41900</b> | <b>^+ ^2</b> | 17.8 | 6.2   | mg/Kg | ✱ | 06/09/21 16:49 | 06/10/21 17:22 | 1       |
| <b>Lead</b>      | <b>471</b>   | <b>F2</b>    | 1.8  | 0.43  | mg/Kg | ✱ | 06/09/21 16:49 | 06/10/21 17:22 | 1       |
| <b>Magnesium</b> | <b>4040</b>  | <b>B</b>     | 35.5 | 1.6   | mg/Kg | ✱ | 06/09/21 16:49 | 06/10/21 17:22 | 1       |
| <b>Manganese</b> | <b>286</b>   | <b>^+ B</b>  | 0.36 | 0.057 | mg/Kg | ✱ | 06/09/21 16:49 | 06/10/21 17:22 | 1       |
| <b>Nickel</b>    | <b>89.4</b>  | <b>F1</b>    | 8.9  | 0.41  | mg/Kg | ✱ | 06/09/21 16:49 | 06/10/21 17:22 | 1       |
| <b>Potassium</b> | <b>1020</b>  |              | 53.3 | 35.5  | mg/Kg | ✱ | 06/09/21 16:49 | 06/10/21 17:22 | 1       |
| Selenium         | ND           |              | 7.1  | 0.71  | mg/Kg | ✱ | 06/09/21 16:49 | 06/10/21 17:22 | 1       |
| <b>Silver</b>    | <b>1.1</b>   |              | 1.1  | 0.36  | mg/Kg | ✱ | 06/09/21 16:49 | 06/10/21 17:22 | 1       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-185711-1

**Client Sample ID: TT02-3.5-4.0-210607**

**Lab Sample ID: 480-185711-4**

**Date Collected: 06/07/21 10:25**

**Matrix: Solid**

**Date Received: 06/07/21 14:10**

**Percent Solids: 59.3**

## Method: 6010C - Metals (ICP) (Continued)

| Analyte  | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------|-----------|------|------|-------|---|----------------|----------------|---------|
| Sodium   | 190    | J B       | 249  | 23.1 | mg/Kg | ✱ | 06/09/21 16:49 | 06/10/21 17:22 | 1       |
| Thallium | ND     |           | 10.7 | 0.53 | mg/Kg | ✱ | 06/09/21 16:49 | 06/10/21 17:22 | 1       |
| Vanadium | 265    |           | 0.89 | 0.20 | mg/Kg | ✱ | 06/09/21 16:49 | 06/10/21 17:22 | 1       |
| Zinc     | 235    | F1        | 3.6  | 1.1  | mg/Kg | ✱ | 06/09/21 16:49 | 06/10/21 17:22 | 1       |

## Method: 7471B - Mercury (CVAA)

| Analyte | Result | Qualifier | RL    | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------|--------|-----------|-------|-------|-------|---|----------------|----------------|---------|
| Mercury | 1.3    | F1        | 0.030 | 0.012 | mg/Kg | ✱ | 06/16/21 12:25 | 06/16/21 14:42 | 1       |

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-185711-1

Client Sample ID: TT03-02-5.5-210607

Lab Sample ID: 480-185711-5

Date Collected: 06/07/21 11:00

Matrix: Solid

Date Received: 06/07/21 14:10

Percent Solids: 68.4

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

| Analyte                               | Result      | Qualifier   | RL  | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------------------------|-------------|-------------|-----|------|-------|---|----------------|----------------|---------|
| 1,1,1-Trichloroethane                 | ND          | vs          | 7.1 | 0.52 | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:55 | 1       |
| 1,1,2,2-Tetrachloroethane             | ND          | vs          | 7.1 | 1.2  | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:55 | 1       |
| 1,1,2-Trichloroethane                 | ND          | vs          | 7.1 | 0.92 | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:55 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND          | vs          | 7.1 | 1.6  | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:55 | 1       |
| 1,1-Dichloroethane                    | ND          | vs          | 7.1 | 0.87 | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:55 | 1       |
| 1,1-Dichloroethene                    | ND          | vs          | 7.1 | 0.87 | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:55 | 1       |
| 1,2,4-Trichlorobenzene                | ND          | vs          | 7.1 | 0.43 | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:55 | 1       |
| 1,2-Dibromo-3-Chloropropane           | ND          | vs          | 7.1 | 3.5  | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:55 | 1       |
| 1,2-Dibromoethane                     | ND          | vs          | 7.1 | 0.91 | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:55 | 1       |
| <b>1,2-Dichlorobenzene</b>            | <b>1.2</b>  | <b>J vs</b> | 7.1 | 0.56 | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:55 | 1       |
| 1,2-Dichloroethane                    | ND          | vs          | 7.1 | 0.36 | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:55 | 1       |
| 1,2-Dichloropropane                   | ND          | vs          | 7.1 | 3.5  | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:55 | 1       |
| 1,3-Dichlorobenzene                   | ND          | vs          | 7.1 | 0.36 | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:55 | 1       |
| <b>1,4-Dichlorobenzene</b>            | <b>9.4</b>  | <b>vs</b>   | 7.1 | 0.99 | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:55 | 1       |
| 2-Hexanone                            | ND          | vs          | 35  | 3.5  | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:55 | 1       |
| <b>2-Butanone (MEK)</b>               | <b>11</b>   | <b>J vs</b> | 35  | 2.6  | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:55 | 1       |
| 4-Methyl-2-pentanone (MIBK)           | ND          | vs          | 35  | 2.3  | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:55 | 1       |
| <b>Acetone</b>                        | <b>63</b>   | <b>vs</b>   | 35  | 6.0  | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:55 | 1       |
| <b>Benzene</b>                        | <b>2.4</b>  | <b>J vs</b> | 7.1 | 0.35 | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:55 | 1       |
| Bromodichloromethane                  | ND          | vs          | 7.1 | 0.95 | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:55 | 1       |
| Bromoform                             | ND          | vs          | 7.1 | 3.5  | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:55 | 1       |
| Bromomethane                          | ND          | vs          | 7.1 | 0.64 | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:55 | 1       |
| Carbon disulfide                      | ND          | vs          | 7.1 | 3.5  | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:55 | 1       |
| Carbon tetrachloride                  | ND          | vs          | 7.1 | 0.69 | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:55 | 1       |
| <b>Chlorobenzene</b>                  | <b>14</b>   | <b>vs</b>   | 7.1 | 0.94 | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:55 | 1       |
| Dibromochloromethane                  | ND          | vs          | 7.1 | 0.91 | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:55 | 1       |
| Chloroethane                          | ND          | *+ vs       | 7.1 | 1.6  | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:55 | 1       |
| Chloroform                            | ND          | vs          | 7.1 | 0.44 | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:55 | 1       |
| Chloromethane                         | ND          | vs          | 7.1 | 0.43 | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:55 | 1       |
| cis-1,2-Dichloroethene                | ND          | vs          | 7.1 | 0.91 | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:55 | 1       |
| cis-1,3-Dichloropropene               | ND          | vs          | 7.1 | 1.0  | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:55 | 1       |
| Cyclohexane                           | ND          | vs          | 7.1 | 0.99 | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:55 | 1       |
| Dichlorodifluoromethane               | ND          | vs          | 7.1 | 0.59 | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:55 | 1       |
| <b>Ethylbenzene</b>                   | <b>8.2</b>  | <b>vs</b>   | 7.1 | 0.49 | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:55 | 1       |
| <b>Isopropylbenzene</b>               | <b>14</b>   | <b>vs</b>   | 7.1 | 1.1  | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:55 | 1       |
| Methyl acetate                        | ND          | vs          | 35  | 4.3  | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:55 | 1       |
| Methyl tert-butyl ether               | ND          | vs          | 7.1 | 0.70 | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:55 | 1       |
| Methylcyclohexane                     | ND          | vs          | 7.1 | 1.1  | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:55 | 1       |
| <b>Methylene Chloride</b>             | <b>15</b>   | <b>vs</b>   | 7.1 | 3.3  | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:55 | 1       |
| Styrene                               | ND          | vs          | 7.1 | 0.35 | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:55 | 1       |
| Tetrachloroethene                     | ND          | vs          | 7.1 | 0.95 | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:55 | 1       |
| <b>Toluene</b>                        | <b>0.93</b> | <b>J vs</b> | 7.1 | 0.54 | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:55 | 1       |
| trans-1,2-Dichloroethene              | ND          | vs          | 7.1 | 0.73 | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:55 | 1       |
| trans-1,3-Dichloropropene             | ND          | vs          | 7.1 | 3.1  | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:55 | 1       |
| Trichloroethene                       | ND          | vs          | 7.1 | 1.6  | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:55 | 1       |
| Trichlorofluoromethane                | ND          | vs          | 7.1 | 0.67 | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:55 | 1       |
| Vinyl chloride                        | ND          | vs          | 7.1 | 0.87 | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:55 | 1       |
| <b>Xylenes, Total</b>                 | <b>65</b>   | <b>vs</b>   | 14  | 1.2  | ug/Kg | ✱ | 06/09/21 21:30 | 06/10/21 15:55 | 1       |

Eurofins TestAmerica, Buffalo

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-185711-1

Client Sample ID: TT03-02-5.5-210607

Lab Sample ID: 480-185711-5

Date Collected: 06/07/21 11:00

Matrix: Solid

Date Received: 06/07/21 14:10

Percent Solids: 68.4

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 103       |           | 64 - 126 | 06/09/21 21:30 | 06/10/21 15:55 | 1       |
| Toluene-d8 (Surr)            | 98        |           | 71 - 125 | 06/09/21 21:30 | 06/10/21 15:55 | 1       |
| 4-Bromofluorobenzene (Surr)  | 95        |           | 72 - 126 | 06/09/21 21:30 | 06/10/21 15:55 | 1       |

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

| Analyte                       | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|--------|-----------|------|------|-------|---|----------------|----------------|---------|
| 2,4,5-Trichlorophenol         | ND     |           | 240  | 66   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 17:22 | 1       |
| 2,4,6-Trichlorophenol         | ND     |           | 240  | 49   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 17:22 | 1       |
| 2,4-Dichlorophenol            | ND     |           | 240  | 26   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 17:22 | 1       |
| 2,4-Dimethylphenol            | ND     |           | 240  | 59   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 17:22 | 1       |
| 2,4-Dinitrophenol             | ND     |           | 2400 | 1100 | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 17:22 | 1       |
| 2,4-Dinitrotoluene            | ND     |           | 240  | 50   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 17:22 | 1       |
| 2,6-Dinitrotoluene            | ND     |           | 240  | 29   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 17:22 | 1       |
| 2-Chloronaphthalene           | ND     |           | 240  | 40   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 17:22 | 1       |
| 2-Chlorophenol                | ND     |           | 470  | 44   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 17:22 | 1       |
| 2-Methylnaphthalene           | ND     |           | 240  | 49   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 17:22 | 1       |
| 2-Methylphenol                | ND     |           | 240  | 29   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 17:22 | 1       |
| 2-Nitroaniline                | ND     |           | 470  | 36   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 17:22 | 1       |
| 2-Nitrophenol                 | ND     |           | 240  | 69   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 17:22 | 1       |
| 3,3'-Dichlorobenzidine        | ND     |           | 470  | 290  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 17:22 | 1       |
| 3-Nitroaniline                | ND     |           | 470  | 67   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 17:22 | 1       |
| 4,6-Dinitro-2-methylphenol    | ND     |           | 470  | 240  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 17:22 | 1       |
| 4-Bromophenyl phenyl ether    | ND     |           | 240  | 34   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 17:22 | 1       |
| 4-Chloro-3-methylphenol       | ND     |           | 240  | 60   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 17:22 | 1       |
| 4-Chloroaniline               | ND     |           | 240  | 60   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 17:22 | 1       |
| 4-Chlorophenyl phenyl ether   | ND     |           | 240  | 30   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 17:22 | 1       |
| 4-Methylphenol                | ND     |           | 470  | 29   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 17:22 | 1       |
| 4-Nitroaniline                | ND     |           | 470  | 130  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 17:22 | 1       |
| 4-Nitrophenol                 | ND     |           | 470  | 170  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 17:22 | 1       |
| Acenaphthene                  | ND     |           | 240  | 36   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 17:22 | 1       |
| Acenaphthylene                | ND     |           | 240  | 31   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 17:22 | 1       |
| Acetophenone                  | ND     |           | 240  | 33   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 17:22 | 1       |
| Anthracene                    | ND     |           | 240  | 60   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 17:22 | 1       |
| Atrazine                      | ND     |           | 240  | 84   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 17:22 | 1       |
| Benzaldehyde                  | ND     |           | 240  | 190  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 17:22 | 1       |
| Benzo(a)anthracene            | 88 J   |           | 240  | 24   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 17:22 | 1       |
| Benzo(a)pyrene                | 56 J   |           | 240  | 36   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 17:22 | 1       |
| Benzo(b)fluoranthene          | 62 J   |           | 240  | 39   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 17:22 | 1       |
| Benzo(g,h,i)perylene          | 37 J   |           | 240  | 26   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 17:22 | 1       |
| Benzo(k)fluoranthene          | 42 J   |           | 240  | 31   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 17:22 | 1       |
| Benzoic acid                  | ND     |           | 6900 | 2100 | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 17:22 | 1       |
| Biphenyl                      | 41 J   |           | 240  | 36   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 17:22 | 1       |
| bis (2-chloroisopropyl) ether | ND     |           | 240  | 49   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 17:22 | 1       |
| Bis(2-chloroethoxy)methane    | ND     |           | 240  | 51   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 17:22 | 1       |
| Bis(2-chloroethyl)ether       | ND     |           | 240  | 31   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 17:22 | 1       |
| Bis(2-ethylhexyl) phthalate   | 1400   |           | 240  | 83   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 17:22 | 1       |
| Butyl benzyl phthalate        | 1800   |           | 240  | 40   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 17:22 | 1       |
| Caprolactam                   | ND     |           | 240  | 73   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 17:22 | 1       |
| Carbazole                     | 85 J   |           | 240  | 29   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 17:22 | 1       |
| Chrysene                      | 65 J   |           | 240  | 54   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 17:22 | 1       |

Eurofins TestAmerica, Buffalo

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-185711-1

Client Sample ID: TT03-02-5.5-210607

Lab Sample ID: 480-185711-5

Date Collected: 06/07/21 11:00

Matrix: Solid

Date Received: 06/07/21 14:10

Percent Solids: 68.4

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

| Analyte                   | Result | Qualifier | RL  | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------------|--------|-----------|-----|-----|-------|---|----------------|----------------|---------|
| Dibenz(a,h)anthracene     | ND     |           | 240 | 43  | ug/Kg | ✱ | 06/08/21 15:17 | 06/16/21 17:22 | 1       |
| Dibenzofuran              | ND     |           | 240 | 29  | ug/Kg | ✱ | 06/08/21 15:17 | 06/16/21 17:22 | 1       |
| Diethyl phthalate         | ND     |           | 240 | 31  | ug/Kg | ✱ | 06/08/21 15:17 | 06/16/21 17:22 | 1       |
| Dimethyl phthalate        | ND     |           | 240 | 29  | ug/Kg | ✱ | 06/08/21 15:17 | 06/16/21 17:22 | 1       |
| Di-n-butyl phthalate      | ND     |           | 240 | 41  | ug/Kg | ✱ | 06/08/21 15:17 | 06/16/21 17:22 | 1       |
| Di-n-octyl phthalate      | ND     |           | 240 | 29  | ug/Kg | ✱ | 06/08/21 15:17 | 06/16/21 17:22 | 1       |
| Fluoranthene              | 260    |           | 240 | 26  | ug/Kg | ✱ | 06/08/21 15:17 | 06/16/21 17:22 | 1       |
| Fluorene                  | ND     |           | 240 | 29  | ug/Kg | ✱ | 06/08/21 15:17 | 06/16/21 17:22 | 1       |
| Hexachlorobenzene         | ND     |           | 240 | 33  | ug/Kg | ✱ | 06/08/21 15:17 | 06/16/21 17:22 | 1       |
| Hexachlorobutadiene       | ND     |           | 240 | 36  | ug/Kg | ✱ | 06/08/21 15:17 | 06/16/21 17:22 | 1       |
| Hexachlorocyclopentadiene | ND     |           | 240 | 33  | ug/Kg | ✱ | 06/08/21 15:17 | 06/16/21 17:22 | 1       |
| Hexachloroethane          | ND     |           | 240 | 31  | ug/Kg | ✱ | 06/08/21 15:17 | 06/16/21 17:22 | 1       |
| Indeno(1,2,3-cd)pyrene    | 33     | J         | 240 | 30  | ug/Kg | ✱ | 06/08/21 15:17 | 06/16/21 17:22 | 1       |
| Isophorone                | ND     |           | 240 | 51  | ug/Kg | ✱ | 06/08/21 15:17 | 06/16/21 17:22 | 1       |
| Naphthalene               | 52     | J         | 240 | 31  | ug/Kg | ✱ | 06/08/21 15:17 | 06/16/21 17:22 | 1       |
| Nitrobenzene              | ND     |           | 240 | 27  | ug/Kg | ✱ | 06/08/21 15:17 | 06/16/21 17:22 | 1       |
| N-Nitrosodi-n-propylamine | ND     |           | 240 | 41  | ug/Kg | ✱ | 06/08/21 15:17 | 06/16/21 17:22 | 1       |
| N-Nitrosodiphenylamine    | ND     |           | 240 | 200 | ug/Kg | ✱ | 06/08/21 15:17 | 06/16/21 17:22 | 1       |
| Pentachlorophenol         | ND     |           | 470 | 240 | ug/Kg | ✱ | 06/08/21 15:17 | 06/16/21 17:22 | 1       |
| Phenanthrene              | 210    | J         | 240 | 36  | ug/Kg | ✱ | 06/08/21 15:17 | 06/16/21 17:22 | 1       |
| Phenol                    | ND     |           | 240 | 37  | ug/Kg | ✱ | 06/08/21 15:17 | 06/16/21 17:22 | 1       |
| Pyrene                    | 250    |           | 240 | 29  | ug/Kg | ✱ | 06/08/21 15:17 | 06/16/21 17:22 | 1       |

| Surrogate            | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 2,4,6-Tribromophenol | 112       |           | 54 - 120 | 06/08/21 15:17 | 06/16/21 17:22 | 1       |
| 2-Fluorobiphenyl     | 101       |           | 60 - 120 | 06/08/21 15:17 | 06/16/21 17:22 | 1       |
| 2-Fluorophenol       | 88        |           | 52 - 120 | 06/08/21 15:17 | 06/16/21 17:22 | 1       |
| Nitrobenzene-d5      | 87        |           | 53 - 120 | 06/08/21 15:17 | 06/16/21 17:22 | 1       |
| Phenol-d5            | 85        |           | 54 - 120 | 06/08/21 15:17 | 06/16/21 17:22 | 1       |
| p-Terphenyl-d14      | 113       |           | 79 - 130 | 06/08/21 15:17 | 06/16/21 17:22 | 1       |

## Method: 8081B - Organochlorine Pesticides (GC)

| Analyte             | Result | Qualifier | RL  | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|--------|-----------|-----|------|-------|---|----------------|----------------|---------|
| 4,4'-DDE            | 2.4    |           | 2.4 | 0.51 | ug/Kg | ✱ | 06/14/21 08:11 | 06/16/21 12:01 | 1       |
| 4,4'-DDT            | 7.8    |           | 2.4 | 0.57 | ug/Kg | ✱ | 06/14/21 08:11 | 06/16/21 12:01 | 1       |
| Aldrin              | ND     |           | 2.4 | 0.59 | ug/Kg | ✱ | 06/14/21 08:11 | 06/16/21 12:01 | 1       |
| alpha-BHC           | ND     |           | 2.4 | 0.44 | ug/Kg | ✱ | 06/14/21 08:11 | 06/16/21 12:01 | 1       |
| cis-Chlordane       | 1.4    | J         | 2.4 | 1.2  | ug/Kg | ✱ | 06/14/21 08:11 | 06/16/21 12:01 | 1       |
| beta-BHC            | 1.0    | J         | 2.4 | 0.44 | ug/Kg | ✱ | 06/14/21 08:11 | 06/16/21 12:01 | 1       |
| delta-BHC           | ND     |           | 2.4 | 0.45 | ug/Kg | ✱ | 06/14/21 08:11 | 06/16/21 12:01 | 1       |
| Dieldrin            | 3.0    |           | 2.4 | 0.58 | ug/Kg | ✱ | 06/14/21 08:11 | 06/16/21 12:01 | 1       |
| Endosulfan I        | 1.3    | J         | 2.4 | 0.46 | ug/Kg | ✱ | 06/14/21 08:11 | 06/16/21 12:01 | 1       |
| Endosulfan II       | ND     |           | 2.4 | 0.44 | ug/Kg | ✱ | 06/14/21 08:11 | 06/16/21 12:01 | 1       |
| Endosulfan sulfate  | ND     |           | 2.4 | 0.45 | ug/Kg | ✱ | 06/14/21 08:11 | 06/16/21 12:01 | 1       |
| Endrin              | 1.0    | J         | 2.4 | 0.48 | ug/Kg | ✱ | 06/14/21 08:11 | 06/16/21 12:01 | 1       |
| Endrin aldehyde     | 50     |           | 2.4 | 0.62 | ug/Kg | ✱ | 06/14/21 08:11 | 06/16/21 12:01 | 1       |
| Endrin ketone       | 1.6    | J         | 2.4 | 0.59 | ug/Kg | ✱ | 06/14/21 08:11 | 06/16/21 12:01 | 1       |
| gamma-BHC (Lindane) | 1.0    | J         | 2.4 | 0.44 | ug/Kg | ✱ | 06/14/21 08:11 | 06/16/21 12:01 | 1       |
| trans-Chlordane     | 9.0    |           | 2.4 | 0.77 | ug/Kg | ✱ | 06/14/21 08:11 | 06/16/21 12:01 | 1       |
| Heptachlor          | 8.5    |           | 2.4 | 0.52 | ug/Kg | ✱ | 06/14/21 08:11 | 06/16/21 12:01 | 1       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-185711-1

Client Sample ID: TT03-02-5.5-210607

Lab Sample ID: 480-185711-5

Date Collected: 06/07/21 11:00

Matrix: Solid

Date Received: 06/07/21 14:10

Percent Solids: 68.4

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

| Analyte            | Result | Qualifier | RL  | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------|--------|-----------|-----|------|-------|---|----------------|----------------|---------|
| Heptachlor epoxide | ND     |           | 2.4 | 0.62 | ug/Kg | ✱ | 06/14/21 08:11 | 06/16/21 12:01 | 1       |
| Methoxychlor       | 3.6    |           | 2.4 | 0.49 | ug/Kg | ✱ | 06/14/21 08:11 | 06/16/21 12:01 | 1       |
| Toxaphene          | ND     |           | 24  | 14   | ug/Kg | ✱ | 06/14/21 08:11 | 06/16/21 12:01 | 1       |
| 4,4'-DDD           | 7.0    |           | 2.4 | 0.47 | ug/Kg | ✱ | 06/14/21 08:11 | 06/16/21 12:01 | 1       |
| Mirex              | 8.1    |           | 2.4 | 0.59 | ug/Kg | ✱ | 06/14/21 08:11 | 06/16/21 12:01 | 1       |

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| DCB Decachlorobiphenyl | 84        |           | 45 - 120 | 06/14/21 08:11 | 06/16/21 12:01 | 1       |
| DCB Decachlorobiphenyl | 317       | S1+       | 45 - 120 | 06/14/21 08:11 | 06/16/21 12:01 | 1       |
| Tetrachloro-m-xylene   | 79        |           | 30 - 124 | 06/14/21 08:11 | 06/16/21 12:01 | 1       |
| Tetrachloro-m-xylene   | 135       | S1+       | 30 - 124 | 06/14/21 08:11 | 06/16/21 12:01 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| PCB-1016 | ND     |           | 0.28 | 0.055 | mg/Kg | ✱ | 06/14/21 07:19 | 06/14/21 20:36 | 1       |
| PCB-1221 | ND     |           | 0.28 | 0.055 | mg/Kg | ✱ | 06/14/21 07:19 | 06/14/21 20:36 | 1       |
| PCB-1232 | ND     |           | 0.28 | 0.055 | mg/Kg | ✱ | 06/14/21 07:19 | 06/14/21 20:36 | 1       |
| PCB-1242 | 0.12   | J         | 0.28 | 0.055 | mg/Kg | ✱ | 06/14/21 07:19 | 06/14/21 20:36 | 1       |
| PCB-1248 | ND     |           | 0.28 | 0.055 | mg/Kg | ✱ | 06/14/21 07:19 | 06/14/21 20:36 | 1       |
| PCB-1254 | ND     |           | 0.28 | 0.13  | mg/Kg | ✱ | 06/14/21 07:19 | 06/14/21 20:36 | 1       |
| PCB-1260 | ND     |           | 0.28 | 0.13  | mg/Kg | ✱ | 06/14/21 07:19 | 06/14/21 20:36 | 1       |
| PCB-1262 | ND     |           | 0.28 | 0.13  | mg/Kg | ✱ | 06/14/21 07:19 | 06/14/21 20:36 | 1       |
| PCB-1268 | ND     |           | 0.28 | 0.13  | mg/Kg | ✱ | 06/14/21 07:19 | 06/14/21 20:36 | 1       |

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| Tetrachloro-m-xylene   | 100       |           | 60 - 154 | 06/14/21 07:19 | 06/14/21 20:36 | 1       |
| Tetrachloro-m-xylene   | 104       |           | 60 - 154 | 06/14/21 07:19 | 06/14/21 20:36 | 1       |
| DCB Decachlorobiphenyl | 76        |           | 65 - 174 | 06/14/21 07:19 | 06/14/21 20:36 | 1       |
| DCB Decachlorobiphenyl | 82        |           | 65 - 174 | 06/14/21 07:19 | 06/14/21 20:36 | 1       |

## Method: 6010C - Metals (ICP)

| Analyte   | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| Aluminum  | 21200  |           | 15.5 | 6.8   | mg/Kg | ✱ | 06/09/21 16:49 | 06/10/21 17:40 | 1       |
| Antimony  | ND     |           | 23.2 | 0.62  | mg/Kg | ✱ | 06/09/21 16:49 | 06/10/21 17:40 | 1       |
| Arsenic   | 4.6    |           | 3.1  | 0.62  | mg/Kg | ✱ | 06/09/21 16:49 | 06/10/21 17:40 | 1       |
| Barium    | 115    |           | 0.77 | 0.17  | mg/Kg | ✱ | 06/09/21 16:49 | 06/10/21 17:40 | 1       |
| Beryllium | 0.92   |           | 0.31 | 0.043 | mg/Kg | ✱ | 06/09/21 16:49 | 06/10/21 17:40 | 1       |
| Cadmium   | 6.5    |           | 0.31 | 0.046 | mg/Kg | ✱ | 06/09/21 16:49 | 06/10/21 17:40 | 1       |
| Calcium   | 50200  | B         | 77.4 | 5.1   | mg/Kg | ✱ | 06/09/21 16:49 | 06/10/21 17:40 | 1       |
| Chromium  | 34.1   |           | 0.77 | 0.31  | mg/Kg | ✱ | 06/09/21 16:49 | 06/10/21 17:40 | 1       |
| Cobalt    | 13.8   |           | 0.77 | 0.077 | mg/Kg | ✱ | 06/09/21 16:49 | 06/10/21 17:40 | 1       |
| Copper    | 36.1   |           | 1.5  | 0.33  | mg/Kg | ✱ | 06/09/21 16:49 | 06/10/21 17:40 | 1       |
| Iron      | 39900  | ^2 ^+     | 15.5 | 5.4   | mg/Kg | ✱ | 06/09/21 16:49 | 06/10/21 17:40 | 1       |
| Lead      | 319    |           | 1.5  | 0.37  | mg/Kg | ✱ | 06/09/21 16:49 | 06/10/21 17:40 | 1       |
| Magnesium | 13900  | B         | 31.0 | 1.4   | mg/Kg | ✱ | 06/09/21 16:49 | 06/10/21 17:40 | 1       |
| Manganese | 571    | B ^+      | 0.31 | 0.050 | mg/Kg | ✱ | 06/09/21 16:49 | 06/10/21 17:40 | 1       |
| Nickel    | 36.7   |           | 7.7  | 0.36  | mg/Kg | ✱ | 06/09/21 16:49 | 06/10/21 17:40 | 1       |
| Potassium | 5920   |           | 46.5 | 31.0  | mg/Kg | ✱ | 06/09/21 16:49 | 06/10/21 17:40 | 1       |
| Selenium  | ND     |           | 6.2  | 0.62  | mg/Kg | ✱ | 06/09/21 16:49 | 06/10/21 17:40 | 1       |
| Silver    | ND     |           | 0.93 | 0.31  | mg/Kg | ✱ | 06/09/21 16:49 | 06/10/21 17:40 | 1       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-185711-1

**Client Sample ID: TT03-02-5.5-210607**

**Lab Sample ID: 480-185711-5**

Date Collected: 06/07/21 11:00

Matrix: Solid

Date Received: 06/07/21 14:10

Percent Solids: 68.4

## Method: 6010C - Metals (ICP) (Continued)

| Analyte  | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------|-----------|------|------|-------|---|----------------|----------------|---------|
| Sodium   | 329    | B         | 217  | 20.1 | mg/Kg | ✱ | 06/09/21 16:49 | 06/10/21 17:40 | 1       |
| Thallium | ND     |           | 9.3  | 0.46 | mg/Kg | ✱ | 06/09/21 16:49 | 06/10/21 17:40 | 1       |
| Vanadium | 43.1   |           | 0.77 | 0.17 | mg/Kg | ✱ | 06/09/21 16:49 | 06/10/21 17:40 | 1       |
| Zinc     | 182    |           | 3.1  | 0.99 | mg/Kg | ✱ | 06/09/21 16:49 | 06/10/21 17:40 | 1       |

## Method: 7471B - Mercury (CVAA)

| Analyte | Result | Qualifier | RL    | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------|--------|-----------|-------|-------|-------|---|----------------|----------------|---------|
| Mercury | 0.049  |           | 0.031 | 0.012 | mg/Kg | ✱ | 06/16/21 12:25 | 06/16/21 14:49 | 1       |

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-185711-1

Client Sample ID: TT04-04-4.5-210607

Lab Sample ID: 480-185711-6

Date Collected: 06/07/21 11:40

Matrix: Solid

Date Received: 06/07/21 14:10

Percent Solids: 61.1

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

| Analyte                               | Result      | Qualifier   | RL  | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------------------------|-------------|-------------|-----|------|-------|---|----------------|----------------|---------|
| 1,1,1-Trichloroethane                 | ND          | vs          | 8.1 | 0.59 | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 18:23 | 1       |
| 1,1,2,2-Tetrachloroethane             | ND          | vs          | 8.1 | 1.3  | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 18:23 | 1       |
| 1,1,2-Trichloroethane                 | ND          | vs          | 8.1 | 1.0  | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 18:23 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND          | vs          | 8.1 | 1.8  | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 18:23 | 1       |
| 1,1-Dichloroethane                    | ND          | vs          | 8.1 | 0.98 | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 18:23 | 1       |
| 1,1-Dichloroethene                    | ND          | vs          | 8.1 | 0.99 | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 18:23 | 1       |
| 1,2,4-Trichlorobenzene                | ND          | vs          | 8.1 | 0.49 | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 18:23 | 1       |
| 1,2-Dibromo-3-Chloropropane           | ND          | vs          | 8.1 | 4.0  | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 18:23 | 1       |
| 1,2-Dibromoethane                     | ND          | vs          | 8.1 | 1.0  | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 18:23 | 1       |
| <b>1,2-Dichlorobenzene</b>            | <b>0.74</b> | <b>J vs</b> | 8.1 | 0.63 | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 18:23 | 1       |
| 1,2-Dichloroethane                    | ND          | vs          | 8.1 | 0.40 | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 18:23 | 1       |
| 1,2-Dichloropropane                   | ND          | vs          | 8.1 | 4.0  | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 18:23 | 1       |
| 1,3-Dichlorobenzene                   | ND          | vs          | 8.1 | 0.41 | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 18:23 | 1       |
| <b>1,4-Dichlorobenzene</b>            | <b>5.9</b>  | <b>J vs</b> | 8.1 | 1.1  | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 18:23 | 1       |
| 2-Hexanone                            | ND          | vs          | 40  | 4.0  | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 18:23 | 1       |
| <b>2-Butanone (MEK)</b>               | <b>11</b>   | <b>J vs</b> | 40  | 2.9  | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 18:23 | 1       |
| 4-Methyl-2-pentanone (MIBK)           | ND          | vs          | 40  | 2.6  | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 18:23 | 1       |
| <b>Acetone</b>                        | <b>45</b>   | <b>vs</b>   | 40  | 6.8  | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 18:23 | 1       |
| <b>Benzene</b>                        | <b>3.2</b>  | <b>J vs</b> | 8.1 | 0.39 | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 18:23 | 1       |
| Bromodichloromethane                  | ND          | vs          | 8.1 | 1.1  | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 18:23 | 1       |
| Bromoform                             | ND          | vs          | 8.1 | 4.0  | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 18:23 | 1       |
| Bromomethane                          | ND          | vs *+       | 8.1 | 0.73 | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 18:23 | 1       |
| <b>Carbon disulfide</b>               | <b>4.5</b>  | <b>J vs</b> | 8.1 | 4.0  | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 18:23 | 1       |
| Carbon tetrachloride                  | ND          | vs          | 8.1 | 0.78 | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 18:23 | 1       |
| <b>Chlorobenzene</b>                  | <b>13</b>   | <b>vs</b>   | 8.1 | 1.1  | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 18:23 | 1       |
| Dibromochloromethane                  | ND          | vs          | 8.1 | 1.0  | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 18:23 | 1       |
| Chloroethane                          | ND          | vs *+       | 8.1 | 1.8  | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 18:23 | 1       |
| Chloroform                            | ND          | vs          | 8.1 | 0.50 | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 18:23 | 1       |
| Chloromethane                         | ND          | vs          | 8.1 | 0.49 | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 18:23 | 1       |
| cis-1,2-Dichloroethene                | ND          | vs          | 8.1 | 1.0  | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 18:23 | 1       |
| cis-1,3-Dichloropropene               | ND          | vs          | 8.1 | 1.2  | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 18:23 | 1       |
| Cyclohexane                           | ND          | vs          | 8.1 | 1.1  | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 18:23 | 1       |
| Dichlorodifluoromethane               | ND          | vs          | 8.1 | 0.67 | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 18:23 | 1       |
| <b>Ethylbenzene</b>                   | <b>3.7</b>  | <b>J vs</b> | 8.1 | 0.56 | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 18:23 | 1       |
| <b>Isopropylbenzene</b>               | <b>20</b>   | <b>vs</b>   | 8.1 | 1.2  | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 18:23 | 1       |
| Methyl acetate                        | ND          | vs          | 40  | 4.9  | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 18:23 | 1       |
| Methyl tert-butyl ether               | ND          | vs          | 8.1 | 0.79 | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 18:23 | 1       |
| <b>Methylcyclohexane</b>              | <b>2.2</b>  | <b>J vs</b> | 8.1 | 1.2  | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 18:23 | 1       |
| <b>Methylene Chloride</b>             | <b>8.3</b>  | <b>vs</b>   | 8.1 | 3.7  | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 18:23 | 1       |
| Styrene                               | ND          | vs          | 8.1 | 0.40 | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 18:23 | 1       |
| Tetrachloroethene                     | ND          | vs          | 8.1 | 1.1  | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 18:23 | 1       |
| <b>Toluene</b>                        | <b>1.1</b>  | <b>J vs</b> | 8.1 | 0.61 | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 18:23 | 1       |
| trans-1,2-Dichloroethene              | ND          | vs          | 8.1 | 0.83 | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 18:23 | 1       |
| trans-1,3-Dichloropropene             | ND          | vs          | 8.1 | 3.5  | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 18:23 | 1       |
| Trichloroethene                       | ND          | vs          | 8.1 | 1.8  | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 18:23 | 1       |
| Trichlorofluoromethane                | ND          | vs          | 8.1 | 0.76 | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 18:23 | 1       |
| Vinyl chloride                        | ND          | vs          | 8.1 | 0.98 | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 18:23 | 1       |
| <b>Xylenes, Total</b>                 | <b>83</b>   | <b>vs</b>   | 16  | 1.4  | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 18:23 | 1       |

Eurofins TestAmerica, Buffalo



# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-185711-1

Client Sample ID: TT04-04-4.5-210607

Lab Sample ID: 480-185711-6

Date Collected: 06/07/21 11:40

Matrix: Solid

Date Received: 06/07/21 14:10

Percent Solids: 61.1

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 99        |           | 64 - 126 | 06/11/21 10:30 | 06/11/21 18:23 | 1       |
| Toluene-d8 (Surr)            | 97        |           | 71 - 125 | 06/11/21 10:30 | 06/11/21 18:23 | 1       |
| 4-Bromofluorobenzene (Surr)  | 95        |           | 72 - 126 | 06/11/21 10:30 | 06/11/21 18:23 | 1       |

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

| Analyte                       | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|--------|-----------|------|------|-------|---|----------------|----------------|---------|
| 2,4,5-Trichlorophenol         | ND     |           | 280  | 75   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 17:47 | 1       |
| 2,4,6-Trichlorophenol         | ND     |           | 280  | 55   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 17:47 | 1       |
| 2,4-Dichlorophenol            | ND     |           | 280  | 29   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 17:47 | 1       |
| 2,4-Dimethylphenol            | ND     |           | 280  | 66   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 17:47 | 1       |
| 2,4-Dinitrophenol             | ND     |           | 2700 | 1300 | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 17:47 | 1       |
| 2,4-Dinitrotoluene            | ND     |           | 280  | 57   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 17:47 | 1       |
| 2,6-Dinitrotoluene            | ND     |           | 280  | 32   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 17:47 | 1       |
| 2-Chloronaphthalene           | ND     |           | 280  | 45   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 17:47 | 1       |
| 2-Chlorophenol                | ND     |           | 540  | 50   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 17:47 | 1       |
| 2-Methylnaphthalene           | ND     |           | 280  | 55   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 17:47 | 1       |
| 2-Methylphenol                | ND     |           | 280  | 32   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 17:47 | 1       |
| 2-Nitroaniline                | ND     |           | 540  | 41   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 17:47 | 1       |
| 2-Nitrophenol                 | ND     |           | 280  | 78   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 17:47 | 1       |
| 3,3'-Dichlorobenzidine        | ND     |           | 540  | 320  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 17:47 | 1       |
| 3-Nitroaniline                | ND     |           | 540  | 76   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 17:47 | 1       |
| 4,6-Dinitro-2-methylphenol    | ND     |           | 540  | 280  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 17:47 | 1       |
| 4-Bromophenyl phenyl ether    | ND     |           | 280  | 39   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 17:47 | 1       |
| 4-Chloro-3-methylphenol       | ND     |           | 280  | 68   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 17:47 | 1       |
| 4-Chloroaniline               | ND     |           | 280  | 68   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 17:47 | 1       |
| 4-Chlorophenyl phenyl ether   | ND     |           | 280  | 34   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 17:47 | 1       |
| 4-Methylphenol                | 41     | J         | 540  | 32   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 17:47 | 1       |
| 4-Nitroaniline                | ND     |           | 540  | 140  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 17:47 | 1       |
| 4-Nitrophenol                 | ND     |           | 540  | 190  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 17:47 | 1       |
| Acenaphthene                  | ND     |           | 280  | 41   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 17:47 | 1       |
| Acenaphthylene                | ND     |           | 280  | 36   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 17:47 | 1       |
| Acetophenone                  | ND     |           | 280  | 37   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 17:47 | 1       |
| Anthracene                    | ND     |           | 280  | 68   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 17:47 | 1       |
| Atrazine                      | ND     |           | 280  | 96   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 17:47 | 1       |
| Benzaldehyde                  | ND     |           | 280  | 220  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 17:47 | 1       |
| Benzo(a)anthracene            | ND     |           | 280  | 28   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 17:47 | 1       |
| Benzo(a)pyrene                | ND     |           | 280  | 41   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 17:47 | 1       |
| Benzo(b)fluoranthene          | ND     |           | 280  | 44   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 17:47 | 1       |
| Benzo(g,h,i)perylene          | ND     |           | 280  | 29   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 17:47 | 1       |
| Benzo(k)fluoranthene          | ND     |           | 280  | 36   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 17:47 | 1       |
| Benzoic acid                  | ND     |           | 7800 | 2400 | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 17:47 | 1       |
| Biphenyl                      | 85     | J         | 280  | 41   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 17:47 | 1       |
| bis (2-chloroisopropyl) ether | ND     |           | 280  | 55   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 17:47 | 1       |
| Bis(2-chloroethoxy)methane    | ND     |           | 280  | 58   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 17:47 | 1       |
| Bis(2-chloroethyl)ether       | ND     |           | 280  | 36   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 17:47 | 1       |
| Bis(2-ethylhexyl) phthalate   | 400    |           | 280  | 94   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 17:47 | 1       |
| Butyl benzyl phthalate        | ND     |           | 280  | 45   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 17:47 | 1       |
| Caprolactam                   | ND     |           | 280  | 83   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 17:47 | 1       |
| Carbazole                     | ND     |           | 280  | 32   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 17:47 | 1       |
| Chrysene                      | ND     |           | 280  | 62   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 17:47 | 1       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-185711-1

Client Sample ID: TT04-04-4.5-210607

Lab Sample ID: 480-185711-6

Date Collected: 06/07/21 11:40

Matrix: Solid

Date Received: 06/07/21 14:10

Percent Solids: 61.1

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

| Analyte                   | Result | Qualifier | RL  | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------------|--------|-----------|-----|-----|-------|---|----------------|----------------|---------|
| Dibenz(a,h)anthracene     | ND     |           | 280 | 49  | ug/Kg | ✱ | 06/08/21 15:17 | 06/16/21 17:47 | 1       |
| Dibenzofuran              | ND     |           | 280 | 32  | ug/Kg | ✱ | 06/08/21 15:17 | 06/16/21 17:47 | 1       |
| Diethyl phthalate         | ND     |           | 280 | 36  | ug/Kg | ✱ | 06/08/21 15:17 | 06/16/21 17:47 | 1       |
| Dimethyl phthalate        | ND     |           | 280 | 32  | ug/Kg | ✱ | 06/08/21 15:17 | 06/16/21 17:47 | 1       |
| Di-n-butyl phthalate      | 61     | J         | 280 | 47  | ug/Kg | ✱ | 06/08/21 15:17 | 06/16/21 17:47 | 1       |
| Di-n-octyl phthalate      | ND     |           | 280 | 32  | ug/Kg | ✱ | 06/08/21 15:17 | 06/16/21 17:47 | 1       |
| Fluoranthene              | ND     |           | 280 | 29  | ug/Kg | ✱ | 06/08/21 15:17 | 06/16/21 17:47 | 1       |
| Fluorene                  | ND     |           | 280 | 32  | ug/Kg | ✱ | 06/08/21 15:17 | 06/16/21 17:47 | 1       |
| Hexachlorobenzene         | ND     |           | 280 | 37  | ug/Kg | ✱ | 06/08/21 15:17 | 06/16/21 17:47 | 1       |
| Hexachlorobutadiene       | ND     |           | 280 | 41  | ug/Kg | ✱ | 06/08/21 15:17 | 06/16/21 17:47 | 1       |
| Hexachlorocyclopentadiene | ND     |           | 280 | 37  | ug/Kg | ✱ | 06/08/21 15:17 | 06/16/21 17:47 | 1       |
| Hexachloroethane          | ND     |           | 280 | 36  | ug/Kg | ✱ | 06/08/21 15:17 | 06/16/21 17:47 | 1       |
| Indeno(1,2,3-cd)pyrene    | ND     |           | 280 | 34  | ug/Kg | ✱ | 06/08/21 15:17 | 06/16/21 17:47 | 1       |
| Isophorone                | ND     |           | 280 | 58  | ug/Kg | ✱ | 06/08/21 15:17 | 06/16/21 17:47 | 1       |
| Naphthalene               | ND     |           | 280 | 36  | ug/Kg | ✱ | 06/08/21 15:17 | 06/16/21 17:47 | 1       |
| Nitrobenzene              | ND     |           | 280 | 31  | ug/Kg | ✱ | 06/08/21 15:17 | 06/16/21 17:47 | 1       |
| N-Nitrosodi-n-propylamine | ND     |           | 280 | 47  | ug/Kg | ✱ | 06/08/21 15:17 | 06/16/21 17:47 | 1       |
| N-Nitrosodiphenylamine    | ND     |           | 280 | 220 | ug/Kg | ✱ | 06/08/21 15:17 | 06/16/21 17:47 | 1       |
| Pentachlorophenol         | ND     |           | 540 | 280 | ug/Kg | ✱ | 06/08/21 15:17 | 06/16/21 17:47 | 1       |
| Phenanthrene              | ND     |           | 280 | 41  | ug/Kg | ✱ | 06/08/21 15:17 | 06/16/21 17:47 | 1       |
| Phenol                    | ND     |           | 280 | 42  | ug/Kg | ✱ | 06/08/21 15:17 | 06/16/21 17:47 | 1       |
| Pyrene                    | ND     |           | 280 | 32  | ug/Kg | ✱ | 06/08/21 15:17 | 06/16/21 17:47 | 1       |

| Surrogate            | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 2,4,6-Tribromophenol | 104       |           | 54 - 120 | 06/08/21 15:17 | 06/16/21 17:47 | 1       |
| 2-Fluorobiphenyl     | 93        |           | 60 - 120 | 06/08/21 15:17 | 06/16/21 17:47 | 1       |
| 2-Fluorophenol       | 79        |           | 52 - 120 | 06/08/21 15:17 | 06/16/21 17:47 | 1       |
| Nitrobenzene-d5      | 79        |           | 53 - 120 | 06/08/21 15:17 | 06/16/21 17:47 | 1       |
| Phenol-d5            | 77        |           | 54 - 120 | 06/08/21 15:17 | 06/16/21 17:47 | 1       |
| p-Terphenyl-d14      | 101       |           | 79 - 130 | 06/08/21 15:17 | 06/16/21 17:47 | 1       |

## Method: 8081B - Organochlorine Pesticides (GC)

| Analyte             | Result | Qualifier | RL | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|--------|-----------|----|-----|-------|---|----------------|----------------|---------|
| 4,4'-DDE            | ND     |           | 27 | 5.7 | ug/Kg | ✱ | 06/14/21 08:11 | 06/16/21 12:21 | 10      |
| 4,4'-DDT            | 16     | J         | 27 | 6.3 | ug/Kg | ✱ | 06/14/21 08:11 | 06/16/21 12:21 | 10      |
| Aldrin              | ND     |           | 27 | 6.7 | ug/Kg | ✱ | 06/14/21 08:11 | 06/16/21 12:21 | 10      |
| alpha-BHC           | ND     |           | 27 | 4.9 | ug/Kg | ✱ | 06/14/21 08:11 | 06/16/21 12:21 | 10      |
| cis-Chlordane       | ND     |           | 27 | 13  | ug/Kg | ✱ | 06/14/21 08:11 | 06/16/21 12:21 | 10      |
| beta-BHC            | ND     |           | 27 | 4.9 | ug/Kg | ✱ | 06/14/21 08:11 | 06/16/21 12:21 | 10      |
| delta-BHC           | ND     |           | 27 | 5.0 | ug/Kg | ✱ | 06/14/21 08:11 | 06/16/21 12:21 | 10      |
| Dieldrin            | ND     |           | 27 | 6.5 | ug/Kg | ✱ | 06/14/21 08:11 | 06/16/21 12:21 | 10      |
| Endosulfan I        | ND     |           | 27 | 5.2 | ug/Kg | ✱ | 06/14/21 08:11 | 06/16/21 12:21 | 10      |
| Endosulfan II       | ND     |           | 27 | 4.9 | ug/Kg | ✱ | 06/14/21 08:11 | 06/16/21 12:21 | 10      |
| Endosulfan sulfate  | ND     |           | 27 | 5.0 | ug/Kg | ✱ | 06/14/21 08:11 | 06/16/21 12:21 | 10      |
| Endrin              | ND     |           | 27 | 5.4 | ug/Kg | ✱ | 06/14/21 08:11 | 06/16/21 12:21 | 10      |
| Endrin aldehyde     | ND     |           | 27 | 6.9 | ug/Kg | ✱ | 06/14/21 08:11 | 06/16/21 12:21 | 10      |
| Endrin ketone       | ND     |           | 27 | 6.7 | ug/Kg | ✱ | 06/14/21 08:11 | 06/16/21 12:21 | 10      |
| gamma-BHC (Lindane) | ND     |           | 27 | 5.0 | ug/Kg | ✱ | 06/14/21 08:11 | 06/16/21 12:21 | 10      |
| trans-Chlordane     | ND     |           | 27 | 8.6 | ug/Kg | ✱ | 06/14/21 08:11 | 06/16/21 12:21 | 10      |
| Heptachlor          | ND     |           | 27 | 5.9 | ug/Kg | ✱ | 06/14/21 08:11 | 06/16/21 12:21 | 10      |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-185711-1

Client Sample ID: TT04-04-4.5-210607

Lab Sample ID: 480-185711-6

Date Collected: 06/07/21 11:40

Matrix: Solid

Date Received: 06/07/21 14:10

Percent Solids: 61.1

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

| Analyte            | Result | Qualifier | RL  | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------|--------|-----------|-----|-----|-------|---|----------------|----------------|---------|
| Heptachlor epoxide | ND     |           | 27  | 7.0 | ug/Kg | ✱ | 06/14/21 08:11 | 06/16/21 12:21 | 10      |
| Methoxychlor       | ND     |           | 27  | 5.5 | ug/Kg | ✱ | 06/14/21 08:11 | 06/16/21 12:21 | 10      |
| Toxaphene          | ND     |           | 270 | 160 | ug/Kg | ✱ | 06/14/21 08:11 | 06/16/21 12:21 | 10      |
| 4,4'-DDD           | ND     |           | 27  | 5.3 | ug/Kg | ✱ | 06/14/21 08:11 | 06/16/21 12:21 | 10      |
| Mirex              | 11     | J         | 27  | 6.6 | ug/Kg | ✱ | 06/14/21 08:11 | 06/16/21 12:21 | 10      |

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| DCB Decachlorobiphenyl | 0         | S1-       | 45 - 120 | 06/14/21 08:11 | 06/16/21 12:21 | 10      |
| DCB Decachlorobiphenyl | 0         | S1-       | 45 - 120 | 06/14/21 08:11 | 06/16/21 12:21 | 10      |
| Tetrachloro-m-xylene   | 51        |           | 30 - 124 | 06/14/21 08:11 | 06/16/21 12:21 | 10      |
| Tetrachloro-m-xylene   | 60        |           | 30 - 124 | 06/14/21 08:11 | 06/16/21 12:21 | 10      |

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

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| PCB-1016 | ND     |           | 0.34 | 0.066 | mg/Kg | ✱ | 06/14/21 07:19 | 06/14/21 20:49 | 1       |
| PCB-1221 | ND     |           | 0.34 | 0.066 | mg/Kg | ✱ | 06/14/21 07:19 | 06/14/21 20:49 | 1       |
| PCB-1232 | ND     |           | 0.34 | 0.066 | mg/Kg | ✱ | 06/14/21 07:19 | 06/14/21 20:49 | 1       |
| PCB-1242 | 0.24   | J         | 0.34 | 0.066 | mg/Kg | ✱ | 06/14/21 07:19 | 06/14/21 20:49 | 1       |
| PCB-1248 | ND     |           | 0.34 | 0.066 | mg/Kg | ✱ | 06/14/21 07:19 | 06/14/21 20:49 | 1       |
| PCB-1254 | ND     |           | 0.34 | 0.16  | mg/Kg | ✱ | 06/14/21 07:19 | 06/14/21 20:49 | 1       |
| PCB-1260 | ND     |           | 0.34 | 0.16  | mg/Kg | ✱ | 06/14/21 07:19 | 06/14/21 20:49 | 1       |
| PCB-1262 | ND     |           | 0.34 | 0.16  | mg/Kg | ✱ | 06/14/21 07:19 | 06/14/21 20:49 | 1       |
| PCB-1268 | ND     |           | 0.34 | 0.16  | mg/Kg | ✱ | 06/14/21 07:19 | 06/14/21 20:49 | 1       |

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| Tetrachloro-m-xylene   | 103       |           | 60 - 154 | 06/14/21 07:19 | 06/14/21 20:49 | 1       |
| Tetrachloro-m-xylene   | 107       |           | 60 - 154 | 06/14/21 07:19 | 06/14/21 20:49 | 1       |
| DCB Decachlorobiphenyl | 76        |           | 65 - 174 | 06/14/21 07:19 | 06/14/21 20:49 | 1       |
| DCB Decachlorobiphenyl | 82        |           | 65 - 174 | 06/14/21 07:19 | 06/14/21 20:49 | 1       |

## Method: 6010C - Metals (ICP)

| Analyte   | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| Aluminum  | 8930   |           | 17.0 | 7.5   | mg/Kg | ✱ | 06/09/21 16:49 | 06/10/21 17:44 | 1       |
| Antimony  | 5.2    | J B       | 25.6 | 0.68  | mg/Kg | ✱ | 06/09/21 16:49 | 06/10/21 17:44 | 1       |
| Arsenic   | 8.3    |           | 3.4  | 0.68  | mg/Kg | ✱ | 06/09/21 16:49 | 06/10/21 17:44 | 1       |
| Barium    | 64.7   |           | 0.85 | 0.19  | mg/Kg | ✱ | 06/09/21 16:49 | 06/10/21 17:44 | 1       |
| Beryllium | 0.38   |           | 0.34 | 0.048 | mg/Kg | ✱ | 06/09/21 16:49 | 06/10/21 17:44 | 1       |
| Cadmium   | 1.1    |           | 0.34 | 0.051 | mg/Kg | ✱ | 06/09/21 16:49 | 06/10/21 17:44 | 1       |
| Calcium   | 56300  | B         | 85.2 | 5.6   | mg/Kg | ✱ | 06/09/21 16:49 | 06/10/21 17:44 | 1       |
| Chromium  | 27.9   |           | 0.85 | 0.34  | mg/Kg | ✱ | 06/09/21 16:49 | 06/10/21 17:44 | 1       |
| Cobalt    | 9.0    |           | 0.85 | 0.085 | mg/Kg | ✱ | 06/09/21 16:49 | 06/10/21 17:44 | 1       |
| Copper    | 38.6   |           | 1.7  | 0.36  | mg/Kg | ✱ | 06/09/21 16:49 | 06/10/21 17:44 | 1       |
| Iron      | 30800  | ^2 ^+     | 17.0 | 6.0   | mg/Kg | ✱ | 06/09/21 16:49 | 06/10/21 17:44 | 1       |
| Lead      | 29.4   |           | 1.7  | 0.41  | mg/Kg | ✱ | 06/09/21 16:49 | 06/10/21 17:44 | 1       |
| Magnesium | 21000  | B         | 34.1 | 1.6   | mg/Kg | ✱ | 06/09/21 16:49 | 06/10/21 17:44 | 1       |
| Manganese | 500    | B ^+      | 0.34 | 0.055 | mg/Kg | ✱ | 06/09/21 16:49 | 06/10/21 17:44 | 1       |
| Nickel    | 26.2   |           | 8.5  | 0.39  | mg/Kg | ✱ | 06/09/21 16:49 | 06/10/21 17:44 | 1       |
| Potassium | 2230   |           | 51.1 | 34.1  | mg/Kg | ✱ | 06/09/21 16:49 | 06/10/21 17:44 | 1       |
| Selenium  | ND     |           | 6.8  | 0.68  | mg/Kg | ✱ | 06/09/21 16:49 | 06/10/21 17:44 | 1       |
| Silver    | ND     |           | 1.0  | 0.34  | mg/Kg | ✱ | 06/09/21 16:49 | 06/10/21 17:44 | 1       |

Eurofins TestAmerica, Buffalo

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-185711-1

**Client Sample ID: TT04-04-4.5-210607**

**Lab Sample ID: 480-185711-6**

Date Collected: 06/07/21 11:40

Matrix: Solid

Date Received: 06/07/21 14:10

Percent Solids: 61.1

## Method: 6010C - Metals (ICP) (Continued)

| Analyte  | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------|-----------|------|------|-------|---|----------------|----------------|---------|
| Sodium   | 242    | B         | 238  | 22.1 | mg/Kg | ✱ | 06/09/21 16:49 | 06/10/21 17:44 | 1       |
| Thallium | ND     |           | 10.2 | 0.51 | mg/Kg | ✱ | 06/09/21 16:49 | 06/10/21 17:44 | 1       |
| Vanadium | 23.3   |           | 0.85 | 0.19 | mg/Kg | ✱ | 06/09/21 16:49 | 06/10/21 17:44 | 1       |
| Zinc     | 245    |           | 3.4  | 1.1  | mg/Kg | ✱ | 06/09/21 16:49 | 06/10/21 17:44 | 1       |

## Method: 7471B - Mercury (CVAA)

| Analyte | Result | Qualifier | RL    | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------|--------|-----------|-------|-------|-------|---|----------------|----------------|---------|
| Mercury | 0.41   |           | 0.027 | 0.011 | mg/Kg | ✱ | 06/16/21 12:25 | 06/16/21 14:50 | 1       |

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-185711-1

Client Sample ID: TT05-4.5-5.0-210607

Lab Sample ID: 480-185711-7

Date Collected: 06/07/21 12:10

Matrix: Solid

Date Received: 06/07/21 14:10

Percent Solids: 70.0

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

| Analyte                               | Result     | Qualifier   | RL  | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------------------------|------------|-------------|-----|------|-------|---|----------------|----------------|---------|
| 1,1,1-Trichloroethane                 | ND         | vs          | 6.9 | 0.50 | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 18:47 | 1       |
| 1,1,2,2-Tetrachloroethane             | ND         | vs          | 6.9 | 1.1  | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 18:47 | 1       |
| 1,1,2-Trichloroethane                 | ND         | vs          | 6.9 | 0.90 | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 18:47 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND         | vs          | 6.9 | 1.6  | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 18:47 | 1       |
| 1,1-Dichloroethane                    | ND         | vs          | 6.9 | 0.84 | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 18:47 | 1       |
| 1,1-Dichloroethene                    | ND         | vs          | 6.9 | 0.85 | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 18:47 | 1       |
| 1,2,4-Trichlorobenzene                | ND         | vs          | 6.9 | 0.42 | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 18:47 | 1       |
| 1,2-Dibromo-3-Chloropropane           | ND         | vs          | 6.9 | 3.5  | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 18:47 | 1       |
| 1,2-Dibromoethane                     | ND         | vs          | 6.9 | 0.89 | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 18:47 | 1       |
| 1,2-Dichlorobenzene                   | ND         | vs          | 6.9 | 0.54 | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 18:47 | 1       |
| 1,2-Dichloroethane                    | ND         | vs          | 6.9 | 0.35 | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 18:47 | 1       |
| 1,2-Dichloropropane                   | ND         | vs          | 6.9 | 3.5  | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 18:47 | 1       |
| 1,3-Dichlorobenzene                   | ND         | vs          | 6.9 | 0.36 | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 18:47 | 1       |
| <b>1,4-Dichlorobenzene</b>            | <b>4.8</b> | <b>J vs</b> | 6.9 | 0.97 | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 18:47 | 1       |
| 2-Hexanone                            | ND         | vs          | 35  | 3.5  | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 18:47 | 1       |
| <b>2-Butanone (MEK)</b>               | <b>9.6</b> | <b>J vs</b> | 35  | 2.5  | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 18:47 | 1       |
| 4-Methyl-2-pentanone (MIBK)           | ND         | vs          | 35  | 2.3  | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 18:47 | 1       |
| <b>Acetone</b>                        | <b>41</b>  | <b>vs</b>   | 35  | 5.8  | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 18:47 | 1       |
| <b>Benzene</b>                        | <b>4.3</b> | <b>J vs</b> | 6.9 | 0.34 | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 18:47 | 1       |
| Bromodichloromethane                  | ND         | vs          | 6.9 | 0.93 | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 18:47 | 1       |
| Bromoform                             | ND         | vs          | 6.9 | 3.5  | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 18:47 | 1       |
| Bromomethane                          | ND         | vs *+       | 6.9 | 0.62 | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 18:47 | 1       |
| <b>Carbon disulfide</b>               | <b>7.4</b> | <b>vs</b>   | 6.9 | 3.5  | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 18:47 | 1       |
| Carbon tetrachloride                  | ND         | vs          | 6.9 | 0.67 | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 18:47 | 1       |
| <b>Chlorobenzene</b>                  | <b>14</b>  | <b>vs</b>   | 6.9 | 0.91 | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 18:47 | 1       |
| Dibromochloromethane                  | ND         | vs          | 6.9 | 0.89 | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 18:47 | 1       |
| Chloroethane                          | ND         | vs *+       | 6.9 | 1.6  | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 18:47 | 1       |
| Chloroform                            | ND         | vs          | 6.9 | 0.43 | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 18:47 | 1       |
| Chloromethane                         | ND         | vs          | 6.9 | 0.42 | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 18:47 | 1       |
| cis-1,2-Dichloroethene                | ND         | vs          | 6.9 | 0.89 | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 18:47 | 1       |
| cis-1,3-Dichloropropene               | ND         | vs          | 6.9 | 1.0  | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 18:47 | 1       |
| <b>Cyclohexane</b>                    | <b>1.1</b> | <b>J vs</b> | 6.9 | 0.97 | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 18:47 | 1       |
| Dichlorodifluoromethane               | ND         | vs          | 6.9 | 0.57 | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 18:47 | 1       |
| <b>Ethylbenzene</b>                   | <b>4.7</b> | <b>J vs</b> | 6.9 | 0.48 | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 18:47 | 1       |
| <b>Isopropylbenzene</b>               | <b>19</b>  | <b>vs</b>   | 6.9 | 1.0  | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 18:47 | 1       |
| Methyl acetate                        | ND         | vs          | 35  | 4.2  | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 18:47 | 1       |
| Methyl tert-butyl ether               | ND         | vs          | 6.9 | 0.68 | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 18:47 | 1       |
| <b>Methylcyclohexane</b>              | <b>2.7</b> | <b>J vs</b> | 6.9 | 1.1  | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 18:47 | 1       |
| <b>Methylene Chloride</b>             | <b>9.4</b> | <b>vs</b>   | 6.9 | 3.2  | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 18:47 | 1       |
| Styrene                               | ND         | vs          | 6.9 | 0.35 | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 18:47 | 1       |
| Tetrachloroethene                     | ND         | vs          | 6.9 | 0.93 | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 18:47 | 1       |
| Toluene                               | ND         | vs          | 6.9 | 0.52 | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 18:47 | 1       |
| trans-1,2-Dichloroethene              | ND         | vs          | 6.9 | 0.71 | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 18:47 | 1       |
| trans-1,3-Dichloropropene             | ND         | vs          | 6.9 | 3.0  | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 18:47 | 1       |
| Trichloroethene                       | ND         | vs          | 6.9 | 1.5  | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 18:47 | 1       |
| Trichlorofluoromethane                | ND         | vs          | 6.9 | 0.65 | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 18:47 | 1       |
| Vinyl chloride                        | ND         | vs          | 6.9 | 0.84 | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 18:47 | 1       |
| <b>Xylenes, Total</b>                 | <b>57</b>  | <b>vs</b>   | 14  | 1.2  | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 18:47 | 1       |

Eurofins TestAmerica, Buffalo

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-185711-1

**Client Sample ID: TT05-4.5-5.0-210607**

**Lab Sample ID: 480-185711-7**

**Date Collected: 06/07/21 12:10**

**Matrix: Solid**

**Date Received: 06/07/21 14:10**

**Percent Solids: 70.0**

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 99        |           | 64 - 126 | 06/11/21 10:30 | 06/11/21 18:47 | 1       |
| Toluene-d8 (Surr)            | 98        |           | 71 - 125 | 06/11/21 10:30 | 06/11/21 18:47 | 1       |
| 4-Bromofluorobenzene (Surr)  | 97        |           | 72 - 126 | 06/11/21 10:30 | 06/11/21 18:47 | 1       |

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

| Analyte                            | Result     | Qualifier | RL   | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|------------------------------------|------------|-----------|------|------|-------|---|----------------|----------------|---------|
| 2,4,5-Trichlorophenol              | ND         |           | 240  | 65   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:11 | 1       |
| 2,4,6-Trichlorophenol              | ND         |           | 240  | 48   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:11 | 1       |
| 2,4-Dichlorophenol                 | ND         |           | 240  | 26   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:11 | 1       |
| 2,4-Dimethylphenol                 | ND         |           | 240  | 58   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:11 | 1       |
| 2,4-Dinitrophenol                  | ND         |           | 2400 | 1100 | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:11 | 1       |
| 2,4-Dinitrotoluene                 | ND         |           | 240  | 50   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:11 | 1       |
| 2,6-Dinitrotoluene                 | ND         |           | 240  | 28   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:11 | 1       |
| 2-Chloronaphthalene                | ND         |           | 240  | 40   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:11 | 1       |
| 2-Chlorophenol                     | ND         |           | 470  | 44   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:11 | 1       |
| 2-Methylnaphthalene                | ND         |           | 240  | 48   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:11 | 1       |
| 2-Methylphenol                     | ND         |           | 240  | 28   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:11 | 1       |
| 2-Nitroaniline                     | ND         |           | 470  | 36   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:11 | 1       |
| 2-Nitrophenol                      | ND         |           | 240  | 68   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:11 | 1       |
| 3,3'-Dichlorobenzidine             | ND         |           | 470  | 280  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:11 | 1       |
| 3-Nitroaniline                     | ND         |           | 470  | 67   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:11 | 1       |
| 4,6-Dinitro-2-methylphenol         | ND         |           | 470  | 240  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:11 | 1       |
| 4-Bromophenyl phenyl ether         | ND         |           | 240  | 34   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:11 | 1       |
| 4-Chloro-3-methylphenol            | ND         |           | 240  | 60   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:11 | 1       |
| 4-Chloroaniline                    | ND         |           | 240  | 60   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:11 | 1       |
| 4-Chlorophenyl phenyl ether        | ND         |           | 240  | 30   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:11 | 1       |
| 4-Methylphenol                     | ND         |           | 470  | 28   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:11 | 1       |
| 4-Nitroaniline                     | ND         |           | 470  | 130  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:11 | 1       |
| 4-Nitrophenol                      | ND         |           | 470  | 170  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:11 | 1       |
| Acenaphthene                       | ND         |           | 240  | 36   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:11 | 1       |
| Acenaphthylene                     | ND         |           | 240  | 31   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:11 | 1       |
| Acetophenone                       | ND         |           | 240  | 33   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:11 | 1       |
| Anthracene                         | ND         |           | 240  | 60   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:11 | 1       |
| Atrazine                           | ND         |           | 240  | 84   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:11 | 1       |
| Benzaldehyde                       | ND         |           | 240  | 190  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:11 | 1       |
| Benzo(a)anthracene                 | ND         |           | 240  | 24   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:11 | 1       |
| Benzo(a)pyrene                     | ND         |           | 240  | 36   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:11 | 1       |
| Benzo(b)fluoranthene               | ND         |           | 240  | 38   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:11 | 1       |
| Benzo(g,h,i)perylene               | ND         |           | 240  | 26   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:11 | 1       |
| Benzo(k)fluoranthene               | ND         |           | 240  | 31   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:11 | 1       |
| Benzoic acid                       | ND         |           | 6800 | 2100 | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:11 | 1       |
| Biphenyl                           | ND         |           | 240  | 36   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:11 | 1       |
| bis (2-chloroisopropyl) ether      | ND         |           | 240  | 48   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:11 | 1       |
| Bis(2-chloroethoxy)methane         | ND         |           | 240  | 51   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:11 | 1       |
| Bis(2-chloroethyl)ether            | ND         |           | 240  | 31   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:11 | 1       |
| <b>Bis(2-ethylhexyl) phthalate</b> | <b>250</b> |           | 240  | 83   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:11 | 1       |
| Butyl benzyl phthalate             | ND         |           | 240  | 40   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:11 | 1       |
| Caprolactam                        | ND         |           | 240  | 73   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:11 | 1       |
| Carbazole                          | ND         |           | 240  | 28   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:11 | 1       |
| Chrysene                           | ND         |           | 240  | 54   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:11 | 1       |

Eurofins TestAmerica, Buffalo

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-185711-1

Client Sample ID: TT05-4.5-5.0-210607

Lab Sample ID: 480-185711-7

Date Collected: 06/07/21 12:10

Matrix: Solid

Date Received: 06/07/21 14:10

Percent Solids: 70.0

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

| Analyte                   | Result | Qualifier | RL  | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------------|--------|-----------|-----|-----|-------|---|----------------|----------------|---------|
| Dibenz(a,h)anthracene     | ND     |           | 240 | 43  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:11 | 1       |
| Dibenzofuran              | ND     |           | 240 | 28  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:11 | 1       |
| Diethyl phthalate         | ND     |           | 240 | 31  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:11 | 1       |
| Dimethyl phthalate        | ND     |           | 240 | 28  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:11 | 1       |
| Di-n-butyl phthalate      | ND     |           | 240 | 41  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:11 | 1       |
| Di-n-octyl phthalate      | ND     |           | 240 | 28  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:11 | 1       |
| Fluoranthene              | ND     |           | 240 | 26  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:11 | 1       |
| Fluorene                  | ND     |           | 240 | 28  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:11 | 1       |
| Hexachlorobenzene         | ND     |           | 240 | 33  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:11 | 1       |
| Hexachlorobutadiene       | ND     |           | 240 | 36  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:11 | 1       |
| Hexachlorocyclopentadiene | ND     |           | 240 | 33  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:11 | 1       |
| Hexachloroethane          | ND     |           | 240 | 31  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:11 | 1       |
| Indeno(1,2,3-cd)pyrene    | ND     |           | 240 | 30  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:11 | 1       |
| Isophorone                | ND     |           | 240 | 51  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:11 | 1       |
| Naphthalene               | ND     |           | 240 | 31  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:11 | 1       |
| Nitrobenzene              | ND     |           | 240 | 27  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:11 | 1       |
| N-Nitrosodi-n-propylamine | ND     |           | 240 | 41  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:11 | 1       |
| N-Nitrosodiphenylamine    | ND     |           | 240 | 200 | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:11 | 1       |
| Pentachlorophenol         | ND     |           | 470 | 240 | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:11 | 1       |
| Phenanthrene              | ND     |           | 240 | 36  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:11 | 1       |
| Phenol                    | ND     |           | 240 | 37  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:11 | 1       |
| Pyrene                    | ND     |           | 240 | 28  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:11 | 1       |

| Surrogate            | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 2,4,6-Tribromophenol | 108       |           | 54 - 120 | 06/08/21 15:17 | 06/16/21 18:11 | 1       |
| 2-Fluorobiphenyl     | 99        |           | 60 - 120 | 06/08/21 15:17 | 06/16/21 18:11 | 1       |
| 2-Fluorophenol       | 87        |           | 52 - 120 | 06/08/21 15:17 | 06/16/21 18:11 | 1       |
| Nitrobenzene-d5      | 84        |           | 53 - 120 | 06/08/21 15:17 | 06/16/21 18:11 | 1       |
| Phenol-d5            | 84        |           | 54 - 120 | 06/08/21 15:17 | 06/16/21 18:11 | 1       |
| p-Terphenyl-d14      | 109       |           | 79 - 130 | 06/08/21 15:17 | 06/16/21 18:11 | 1       |

## Method: 8081B - Organochlorine Pesticides (GC)

| Analyte             | Result | Qualifier | RL  | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|--------|-----------|-----|------|-------|---|----------------|----------------|---------|
| 4,4'-DDE            | ND     |           | 2.4 | 0.49 | ug/Kg | ☆ | 06/14/21 08:15 | 06/16/21 12:40 | 1       |
| 4,4'-DDT            | 1.0    | J         | 2.4 | 0.55 | ug/Kg | ☆ | 06/14/21 08:15 | 06/16/21 12:40 | 1       |
| Aldrin              | ND     |           | 2.4 | 0.58 | ug/Kg | ☆ | 06/14/21 08:15 | 06/16/21 12:40 | 1       |
| alpha-BHC           | ND     |           | 2.4 | 0.42 | ug/Kg | ☆ | 06/14/21 08:15 | 06/16/21 12:40 | 1       |
| cis-Chlordane       | ND     |           | 2.4 | 1.2  | ug/Kg | ☆ | 06/14/21 08:15 | 06/16/21 12:40 | 1       |
| beta-BHC            | ND     |           | 2.4 | 0.42 | ug/Kg | ☆ | 06/14/21 08:15 | 06/16/21 12:40 | 1       |
| delta-BHC           | ND     |           | 2.4 | 0.44 | ug/Kg | ☆ | 06/14/21 08:15 | 06/16/21 12:40 | 1       |
| Dieldrin            | ND     |           | 2.4 | 0.56 | ug/Kg | ☆ | 06/14/21 08:15 | 06/16/21 12:40 | 1       |
| Endosulfan I        | ND     |           | 2.4 | 0.45 | ug/Kg | ☆ | 06/14/21 08:15 | 06/16/21 12:40 | 1       |
| Endosulfan II       | ND     |           | 2.4 | 0.42 | ug/Kg | ☆ | 06/14/21 08:15 | 06/16/21 12:40 | 1       |
| Endosulfan sulfate  | ND     |           | 2.4 | 0.44 | ug/Kg | ☆ | 06/14/21 08:15 | 06/16/21 12:40 | 1       |
| Endrin              | ND     |           | 2.4 | 0.47 | ug/Kg | ☆ | 06/14/21 08:15 | 06/16/21 12:40 | 1       |
| Endrin aldehyde     | 0.97   | J         | 2.4 | 0.60 | ug/Kg | ☆ | 06/14/21 08:15 | 06/16/21 12:40 | 1       |
| Endrin ketone       | 1.4    | J         | 2.4 | 0.58 | ug/Kg | ☆ | 06/14/21 08:15 | 06/16/21 12:40 | 1       |
| gamma-BHC (Lindane) | ND     |           | 2.4 | 0.43 | ug/Kg | ☆ | 06/14/21 08:15 | 06/16/21 12:40 | 1       |
| trans-Chlordane     | ND     |           | 2.4 | 0.75 | ug/Kg | ☆ | 06/14/21 08:15 | 06/16/21 12:40 | 1       |
| Heptachlor          | 2.0    | J         | 2.4 | 0.51 | ug/Kg | ☆ | 06/14/21 08:15 | 06/16/21 12:40 | 1       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-185711-1

Client Sample ID: TT05-4.5-5.0-210607

Lab Sample ID: 480-185711-7

Date Collected: 06/07/21 12:10

Matrix: Solid

Date Received: 06/07/21 14:10

Percent Solids: 70.0

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

| Analyte             | Result      | Qualifier | RL  | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|-------------|-----------|-----|------|-------|---|----------------|----------------|---------|
| Heptachlor epoxide  | ND          |           | 2.4 | 0.61 | ug/Kg | ✱ | 06/14/21 08:15 | 06/16/21 12:40 | 1       |
| <b>Methoxychlor</b> | <b>0.97</b> | <b>J</b>  | 2.4 | 0.48 | ug/Kg | ✱ | 06/14/21 08:15 | 06/16/21 12:40 | 1       |
| Toxaphene           | ND          |           | 24  | 14   | ug/Kg | ✱ | 06/14/21 08:15 | 06/16/21 12:40 | 1       |
| <b>4,4'-DDD</b>     | <b>6.0</b>  |           | 2.4 | 0.46 | ug/Kg | ✱ | 06/14/21 08:15 | 06/16/21 12:40 | 1       |
| Mirex               | ND          |           | 2.4 | 0.58 | ug/Kg | ✱ | 06/14/21 08:15 | 06/16/21 12:40 | 1       |

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| DCB Decachlorobiphenyl | 79        |           | 45 - 120 | 06/14/21 08:15 | 06/16/21 12:40 | 1       |
| DCB Decachlorobiphenyl | 71        |           | 45 - 120 | 06/14/21 08:15 | 06/16/21 12:40 | 1       |
| Tetrachloro-m-xylene   | 61        |           | 30 - 124 | 06/14/21 08:15 | 06/16/21 12:40 | 1       |
| Tetrachloro-m-xylene   | 51        |           | 30 - 124 | 06/14/21 08:15 | 06/16/21 12:40 | 1       |

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

| Analyte         | Result      | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------|-------------|-----------|------|-------|-------|---|----------------|----------------|---------|
| PCB-1016        | ND          |           | 0.28 | 0.055 | mg/Kg | ✱ | 06/14/21 07:19 | 06/14/21 21:01 | 1       |
| PCB-1221        | ND          |           | 0.28 | 0.055 | mg/Kg | ✱ | 06/14/21 07:19 | 06/14/21 21:01 | 1       |
| PCB-1232        | ND          |           | 0.28 | 0.055 | mg/Kg | ✱ | 06/14/21 07:19 | 06/14/21 21:01 | 1       |
| <b>PCB-1242</b> | <b>0.22</b> | <b>J</b>  | 0.28 | 0.055 | mg/Kg | ✱ | 06/14/21 07:19 | 06/14/21 21:01 | 1       |
| PCB-1248        | ND          |           | 0.28 | 0.055 | mg/Kg | ✱ | 06/14/21 07:19 | 06/14/21 21:01 | 1       |
| PCB-1254        | ND          |           | 0.28 | 0.13  | mg/Kg | ✱ | 06/14/21 07:19 | 06/14/21 21:01 | 1       |
| PCB-1260        | ND          |           | 0.28 | 0.13  | mg/Kg | ✱ | 06/14/21 07:19 | 06/14/21 21:01 | 1       |
| PCB-1262        | ND          |           | 0.28 | 0.13  | mg/Kg | ✱ | 06/14/21 07:19 | 06/14/21 21:01 | 1       |
| PCB-1268        | ND          |           | 0.28 | 0.13  | mg/Kg | ✱ | 06/14/21 07:19 | 06/14/21 21:01 | 1       |

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| Tetrachloro-m-xylene   | 111       |           | 60 - 154 | 06/14/21 07:19 | 06/14/21 21:01 | 1       |
| Tetrachloro-m-xylene   | 113       |           | 60 - 154 | 06/14/21 07:19 | 06/14/21 21:01 | 1       |
| DCB Decachlorobiphenyl | 83        |           | 65 - 174 | 06/14/21 07:19 | 06/14/21 21:01 | 1       |
| DCB Decachlorobiphenyl | 87        |           | 65 - 174 | 06/14/21 07:19 | 06/14/21 21:01 | 1       |

## Method: 6010C - Metals (ICP)

| Analyte          | Result       | Qualifier    | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|------------------|--------------|--------------|------|-------|-------|---|----------------|----------------|---------|
| <b>Aluminum</b>  | <b>13500</b> |              | 14.1 | 6.2   | mg/Kg | ✱ | 06/09/21 16:49 | 06/10/21 17:48 | 1       |
| Antimony         | ND           |              | 21.1 | 0.56  | mg/Kg | ✱ | 06/09/21 16:49 | 06/10/21 17:48 | 1       |
| <b>Arsenic</b>   | <b>7.5</b>   |              | 2.8  | 0.56  | mg/Kg | ✱ | 06/09/21 16:49 | 06/10/21 17:48 | 1       |
| <b>Barium</b>    | <b>145</b>   |              | 0.70 | 0.15  | mg/Kg | ✱ | 06/09/21 16:49 | 06/10/21 17:48 | 1       |
| <b>Beryllium</b> | <b>0.62</b>  |              | 0.28 | 0.039 | mg/Kg | ✱ | 06/09/21 16:49 | 06/10/21 17:48 | 1       |
| <b>Cadmium</b>   | <b>1.7</b>   |              | 0.28 | 0.042 | mg/Kg | ✱ | 06/09/21 16:49 | 06/10/21 17:48 | 1       |
| <b>Calcium</b>   | <b>43800</b> | <b>B</b>     | 70.3 | 4.6   | mg/Kg | ✱ | 06/09/21 16:49 | 06/10/21 17:48 | 1       |
| <b>Chromium</b>  | <b>28.0</b>  |              | 0.70 | 0.28  | mg/Kg | ✱ | 06/09/21 16:49 | 06/10/21 17:48 | 1       |
| <b>Cobalt</b>    | <b>11.0</b>  |              | 0.70 | 0.070 | mg/Kg | ✱ | 06/09/21 16:49 | 06/10/21 17:48 | 1       |
| <b>Copper</b>    | <b>37.5</b>  |              | 1.4  | 0.30  | mg/Kg | ✱ | 06/09/21 16:49 | 06/10/21 17:48 | 1       |
| <b>Iron</b>      | <b>53700</b> | <b>^2 ^+</b> | 14.1 | 4.9   | mg/Kg | ✱ | 06/09/21 16:49 | 06/10/21 17:48 | 1       |
| <b>Lead</b>      | <b>50.5</b>  |              | 1.4  | 0.34  | mg/Kg | ✱ | 06/09/21 16:49 | 06/10/21 17:48 | 1       |
| <b>Magnesium</b> | <b>12800</b> | <b>B</b>     | 28.1 | 1.3   | mg/Kg | ✱ | 06/09/21 16:49 | 06/10/21 17:48 | 1       |
| <b>Manganese</b> | <b>522</b>   | <b>B ^+</b>  | 0.28 | 0.045 | mg/Kg | ✱ | 06/09/21 16:49 | 06/10/21 17:48 | 1       |
| <b>Nickel</b>    | <b>34.0</b>  |              | 7.0  | 0.32  | mg/Kg | ✱ | 06/09/21 16:49 | 06/10/21 17:48 | 1       |
| <b>Potassium</b> | <b>3290</b>  |              | 42.2 | 28.1  | mg/Kg | ✱ | 06/09/21 16:49 | 06/10/21 17:48 | 1       |
| Selenium         | ND           |              | 5.6  | 0.56  | mg/Kg | ✱ | 06/09/21 16:49 | 06/10/21 17:48 | 1       |
| Silver           | ND           |              | 0.84 | 0.28  | mg/Kg | ✱ | 06/09/21 16:49 | 06/10/21 17:48 | 1       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-185711-1

**Client Sample ID: TT05-4.5-5.0-210607**

**Lab Sample ID: 480-185711-7**

Date Collected: 06/07/21 12:10

Matrix: Solid

Date Received: 06/07/21 14:10

Percent Solids: 70.0

## Method: 6010C - Metals (ICP) (Continued)

| Analyte  | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------|-----------|------|------|-------|---|----------------|----------------|---------|
| Sodium   | 251    | B         | 197  | 18.3 | mg/Kg | ✱ | 06/09/21 16:49 | 06/10/21 17:48 | 1       |
| Thallium | ND     |           | 8.4  | 0.42 | mg/Kg | ✱ | 06/09/21 16:49 | 06/10/21 17:48 | 1       |
| Vanadium | 28.3   |           | 0.70 | 0.15 | mg/Kg | ✱ | 06/09/21 16:49 | 06/10/21 17:48 | 1       |
| Zinc     | 235    |           | 2.8  | 0.90 | mg/Kg | ✱ | 06/09/21 16:49 | 06/10/21 17:48 | 1       |

## Method: 7471B - Mercury (CVAA)

| Analyte | Result | Qualifier | RL    | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------|--------|-----------|-------|-------|-------|---|----------------|----------------|---------|
| Mercury | 0.75   |           | 0.033 | 0.013 | mg/Kg | ✱ | 06/16/21 12:25 | 06/16/21 14:52 | 1       |



# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-185711-1

Client Sample ID: TT06-4.5-5.0-210607

Lab Sample ID: 480-185711-8

Date Collected: 06/07/21 12:30

Matrix: Solid

Date Received: 06/07/21 14:10

Percent Solids: 70.2

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

| Analyte                               | Result      | Qualifier   | RL  | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------------------------|-------------|-------------|-----|------|-------|---|----------------|----------------|---------|
| 1,1,1-Trichloroethane                 | ND          | vs          | 7.1 | 0.52 | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 19:12 | 1       |
| <b>1,1,2,2-Tetrachloroethane</b>      | <b>3.5</b>  | <b>J vs</b> | 7.1 | 1.2  | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 19:12 | 1       |
| 1,1,2-Trichloroethane                 | ND          | vs          | 7.1 | 0.93 | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 19:12 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND          | vs          | 7.1 | 1.6  | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 19:12 | 1       |
| 1,1-Dichloroethane                    | ND          | vs          | 7.1 | 0.87 | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 19:12 | 1       |
| 1,1-Dichloroethene                    | ND          | vs          | 7.1 | 0.87 | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 19:12 | 1       |
| 1,2,4-Trichlorobenzene                | ND          | vs          | 7.1 | 0.43 | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 19:12 | 1       |
| 1,2-Dibromo-3-Chloropropane           | ND          | vs          | 7.1 | 3.6  | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 19:12 | 1       |
| 1,2-Dibromoethane                     | ND          | vs          | 7.1 | 0.91 | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 19:12 | 1       |
| <b>1,2-Dichlorobenzene</b>            | <b>0.92</b> | <b>J vs</b> | 7.1 | 0.56 | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 19:12 | 1       |
| 1,2-Dichloroethane                    | ND          | vs          | 7.1 | 0.36 | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 19:12 | 1       |
| 1,2-Dichloropropane                   | ND          | vs          | 7.1 | 3.6  | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 19:12 | 1       |
| 1,3-Dichlorobenzene                   | ND          | vs          | 7.1 | 0.37 | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 19:12 | 1       |
| <b>1,4-Dichlorobenzene</b>            | <b>13</b>   | <b>vs</b>   | 7.1 | 1.0  | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 19:12 | 1       |
| 2-Hexanone                            | ND          | vs          | 36  | 3.6  | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 19:12 | 1       |
| <b>2-Butanone (MEK)</b>               | <b>12</b>   | <b>J vs</b> | 36  | 2.6  | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 19:12 | 1       |
| 4-Methyl-2-pentanone (MIBK)           | ND          | vs          | 36  | 2.3  | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 19:12 | 1       |
| <b>Acetone</b>                        | <b>49</b>   | <b>vs</b>   | 36  | 6.0  | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 19:12 | 1       |
| <b>Benzene</b>                        | <b>4.4</b>  | <b>J vs</b> | 7.1 | 0.35 | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 19:12 | 1       |
| Bromodichloromethane                  | ND          | vs          | 7.1 | 0.95 | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 19:12 | 1       |
| Bromoform                             | ND          | vs          | 7.1 | 3.6  | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 19:12 | 1       |
| Bromomethane                          | ND          | vs *+       | 7.1 | 0.64 | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 19:12 | 1       |
| <b>Carbon disulfide</b>               | <b>10</b>   | <b>vs</b>   | 7.1 | 3.6  | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 19:12 | 1       |
| Carbon tetrachloride                  | ND          | vs          | 7.1 | 0.69 | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 19:12 | 1       |
| <b>Chlorobenzene</b>                  | <b>22</b>   | <b>vs</b>   | 7.1 | 0.94 | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 19:12 | 1       |
| Dibromochloromethane                  | ND          | vs          | 7.1 | 0.91 | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 19:12 | 1       |
| Chloroethane                          | ND          | vs *+       | 7.1 | 1.6  | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 19:12 | 1       |
| Chloroform                            | ND          | vs          | 7.1 | 0.44 | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 19:12 | 1       |
| Chloromethane                         | ND          | vs          | 7.1 | 0.43 | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 19:12 | 1       |
| cis-1,2-Dichloroethene                | ND          | vs          | 7.1 | 0.91 | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 19:12 | 1       |
| cis-1,3-Dichloropropene               | ND          | vs          | 7.1 | 1.0  | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 19:12 | 1       |
| Cyclohexane                           | ND          | vs          | 7.1 | 1.0  | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 19:12 | 1       |
| Dichlorodifluoromethane               | ND          | vs          | 7.1 | 0.59 | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 19:12 | 1       |
| <b>Ethylbenzene</b>                   | <b>2.9</b>  | <b>J vs</b> | 7.1 | 0.49 | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 19:12 | 1       |
| <b>Isopropylbenzene</b>               | <b>26</b>   | <b>vs</b>   | 7.1 | 1.1  | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 19:12 | 1       |
| Methyl acetate                        | ND          | vs          | 36  | 4.3  | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 19:12 | 1       |
| Methyl tert-butyl ether               | ND          | vs          | 7.1 | 0.70 | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 19:12 | 1       |
| <b>Methylcyclohexane</b>              | <b>2.4</b>  | <b>J vs</b> | 7.1 | 1.1  | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 19:12 | 1       |
| <b>Methylene Chloride</b>             | <b>11</b>   | <b>vs</b>   | 7.1 | 3.3  | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 19:12 | 1       |
| Styrene                               | ND          | vs          | 7.1 | 0.36 | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 19:12 | 1       |
| Tetrachloroethene                     | ND          | vs          | 7.1 | 0.96 | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 19:12 | 1       |
| <b>Toluene</b>                        | <b>0.76</b> | <b>J vs</b> | 7.1 | 0.54 | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 19:12 | 1       |
| trans-1,2-Dichloroethene              | ND          | vs          | 7.1 | 0.74 | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 19:12 | 1       |
| trans-1,3-Dichloropropene             | ND          | vs          | 7.1 | 3.1  | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 19:12 | 1       |
| Trichloroethene                       | ND          | vs          | 7.1 | 1.6  | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 19:12 | 1       |
| Trichlorofluoromethane                | ND          | vs          | 7.1 | 0.67 | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 19:12 | 1       |
| Vinyl chloride                        | ND          | vs          | 7.1 | 0.87 | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 19:12 | 1       |
| <b>Xylenes, Total</b>                 | <b>150</b>  | <b>vs</b>   | 14  | 1.2  | ug/Kg | ✱ | 06/11/21 10:30 | 06/11/21 19:12 | 1       |

Eurofins TestAmerica, Buffalo

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-185711-1

**Client Sample ID: TT06-4.5-5.0-210607**

**Lab Sample ID: 480-185711-8**

**Date Collected: 06/07/21 12:30**

**Matrix: Solid**

**Date Received: 06/07/21 14:10**

**Percent Solids: 70.2**

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 99        |           | 64 - 126 | 06/11/21 10:30 | 06/11/21 19:12 | 1       |
| Toluene-d8 (Surr)            | 98        |           | 71 - 125 | 06/11/21 10:30 | 06/11/21 19:12 | 1       |
| 4-Bromofluorobenzene (Surr)  | 94        |           | 72 - 126 | 06/11/21 10:30 | 06/11/21 19:12 | 1       |

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

| Analyte                       | Result        | Qualifier | RL     | MDL    | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|---------------|-----------|--------|--------|-------|---|----------------|----------------|---------|
| 2,4,5-Trichlorophenol         | ND            |           | 12000  | 3300   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:35 | 5       |
| 2,4,6-Trichlorophenol         | ND            |           | 12000  | 2400   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:35 | 5       |
| 2,4-Dichlorophenol            | ND            |           | 12000  | 1300   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:35 | 5       |
| 2,4-Dimethylphenol            | ND            |           | 12000  | 2900   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:35 | 5       |
| 2,4-Dinitrophenol             | ND            |           | 120000 | 55000  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:35 | 5       |
| 2,4-Dinitrotoluene            | ND            |           | 12000  | 2500   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:35 | 5       |
| 2,6-Dinitrotoluene            | ND            |           | 12000  | 1400   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:35 | 5       |
| 2-Chloronaphthalene           | ND            |           | 12000  | 2000   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:35 | 5       |
| 2-Chlorophenol                | ND            |           | 23000  | 2200   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:35 | 5       |
| 2-Methylnaphthalene           | ND            |           | 12000  | 2400   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:35 | 5       |
| 2-Methylphenol                | ND            |           | 12000  | 1400   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:35 | 5       |
| 2-Nitroaniline                | ND            |           | 23000  | 1800   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:35 | 5       |
| 2-Nitrophenol                 | ND            |           | 12000  | 3400   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:35 | 5       |
| 3,3'-Dichlorobenzidine        | ND            |           | 23000  | 14000  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:35 | 5       |
| 3-Nitroaniline                | ND            |           | 23000  | 3300   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:35 | 5       |
| 4,6-Dinitro-2-methylphenol    | ND            |           | 23000  | 12000  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:35 | 5       |
| 4-Bromophenyl phenyl ether    | ND            |           | 12000  | 1700   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:35 | 5       |
| 4-Chloro-3-methylphenol       | ND            |           | 12000  | 3000   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:35 | 5       |
| 4-Chloroaniline               | ND            |           | 12000  | 3000   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:35 | 5       |
| 4-Chlorophenyl phenyl ether   | ND            |           | 12000  | 1500   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:35 | 5       |
| 4-Methylphenol                | ND            |           | 23000  | 1400   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:35 | 5       |
| 4-Nitroaniline                | ND            |           | 23000  | 6300   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:35 | 5       |
| 4-Nitrophenol                 | ND            |           | 23000  | 8400   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:35 | 5       |
| Acenaphthene                  | ND            |           | 12000  | 1800   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:35 | 5       |
| Acenaphthylene                | ND            |           | 12000  | 1600   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:35 | 5       |
| Acetophenone                  | ND            |           | 12000  | 1600   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:35 | 5       |
| Anthracene                    | ND            |           | 12000  | 3000   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:35 | 5       |
| Atrazine                      | ND            |           | 12000  | 4200   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:35 | 5       |
| Benzaldehyde                  | ND            |           | 12000  | 9500   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:35 | 5       |
| Benzo(a)anthracene            | ND            |           | 12000  | 1200   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:35 | 5       |
| Benzo(a)pyrene                | ND            |           | 12000  | 1800   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:35 | 5       |
| Benzo(b)fluoranthene          | ND            |           | 12000  | 1900   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:35 | 5       |
| Benzo(g,h,i)perylene          | ND            |           | 12000  | 1300   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:35 | 5       |
| Benzo(k)fluoranthene          | ND            |           | 12000  | 1600   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:35 | 5       |
| Benzoic acid                  | ND            |           | 340000 | 110000 | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:35 | 5       |
| Biphenyl                      | ND            |           | 12000  | 1800   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:35 | 5       |
| bis (2-chloroisopropyl) ether | ND            |           | 12000  | 2400   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:35 | 5       |
| Bis(2-chloroethoxy)methane    | ND            |           | 12000  | 2500   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:35 | 5       |
| Bis(2-chloroethyl)ether       | ND            |           | 12000  | 1600   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:35 | 5       |
| Bis(2-ethylhexyl) phthalate   | ND            |           | 12000  | 4100   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:35 | 5       |
| <b>Butyl benzyl phthalate</b> | <b>5700 J</b> |           | 12000  | 2000   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:35 | 5       |
| Caprolactam                   | ND            |           | 12000  | 3600   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:35 | 5       |
| Carbazole                     | ND            |           | 12000  | 1400   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:35 | 5       |
| Chrysene                      | ND            |           | 12000  | 2700   | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:35 | 5       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-185711-1

Client Sample ID: TT06-4.5-5.0-210607

Lab Sample ID: 480-185711-8

Date Collected: 06/07/21 12:30

Matrix: Solid

Date Received: 06/07/21 14:10

Percent Solids: 70.2

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

| Analyte                   | Result | Qualifier | RL    | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------------|--------|-----------|-------|-------|-------|---|----------------|----------------|---------|
| Dibenz(a,h)anthracene     | ND     |           | 12000 | 2100  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:35 | 5       |
| Dibenzofuran              | ND     |           | 12000 | 1400  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:35 | 5       |
| Diethyl phthalate         | ND     |           | 12000 | 1600  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:35 | 5       |
| Dimethyl phthalate        | ND     |           | 12000 | 1400  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:35 | 5       |
| Di-n-butyl phthalate      | ND     |           | 12000 | 2100  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:35 | 5       |
| Di-n-octyl phthalate      | ND     |           | 12000 | 1400  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:35 | 5       |
| Fluoranthene              | ND     |           | 12000 | 1300  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:35 | 5       |
| Fluorene                  | ND     |           | 12000 | 1400  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:35 | 5       |
| Hexachlorobenzene         | ND     |           | 12000 | 1600  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:35 | 5       |
| Hexachlorobutadiene       | ND     |           | 12000 | 1800  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:35 | 5       |
| Hexachlorocyclopentadiene | ND     |           | 12000 | 1600  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:35 | 5       |
| Hexachloroethane          | ND     |           | 12000 | 1600  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:35 | 5       |
| Indeno(1,2,3-cd)pyrene    | ND     |           | 12000 | 1500  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:35 | 5       |
| Isophorone                | ND     |           | 12000 | 2500  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:35 | 5       |
| Naphthalene               | ND     |           | 12000 | 1600  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:35 | 5       |
| Nitrobenzene              | ND     |           | 12000 | 1300  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:35 | 5       |
| N-Nitrosodi-n-propylamine | ND     |           | 12000 | 2100  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:35 | 5       |
| N-Nitrosodiphenylamine    | ND     |           | 12000 | 9800  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:35 | 5       |
| Pentachlorophenol         | ND     |           | 23000 | 12000 | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:35 | 5       |
| Phenanthrene              | ND     |           | 12000 | 1800  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:35 | 5       |
| Phenol                    | ND     |           | 12000 | 1800  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:35 | 5       |
| Pyrene                    | ND     |           | 12000 | 1400  | ug/Kg | ☆ | 06/08/21 15:17 | 06/16/21 18:35 | 5       |

| Surrogate            | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 2,4,6-Tribromophenol | 0         | S1-       | 54 - 120 | 06/08/21 15:17 | 06/16/21 18:35 | 5       |
| 2-Fluorobiphenyl     | 78        |           | 60 - 120 | 06/08/21 15:17 | 06/16/21 18:35 | 5       |
| 2-Fluorophenol       | 0         | S1-       | 52 - 120 | 06/08/21 15:17 | 06/16/21 18:35 | 5       |
| Nitrobenzene-d5      | 0         | S1-       | 53 - 120 | 06/08/21 15:17 | 06/16/21 18:35 | 5       |
| Phenol-d5            | 0         | S1-       | 54 - 120 | 06/08/21 15:17 | 06/16/21 18:35 | 5       |
| p-Terphenyl-d14      | 94        |           | 79 - 130 | 06/08/21 15:17 | 06/16/21 18:35 | 5       |

## Method: 8081B - Organochlorine Pesticides (GC)

| Analyte             | Result | Qualifier | RL  | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|--------|-----------|-----|-----|-------|---|----------------|----------------|---------|
| 4,4'-DDE            | ND     |           | 240 | 49  | ug/Kg | ☆ | 06/14/21 08:15 | 06/16/21 13:00 | 100     |
| 4,4'-DDT            | ND     |           | 240 | 55  | ug/Kg | ☆ | 06/14/21 08:15 | 06/16/21 13:00 | 100     |
| Aldrin              | ND     |           | 240 | 58  | ug/Kg | ☆ | 06/14/21 08:15 | 06/16/21 13:00 | 100     |
| alpha-BHC           | ND     |           | 240 | 42  | ug/Kg | ☆ | 06/14/21 08:15 | 06/16/21 13:00 | 100     |
| cis-Chlordane       | ND     |           | 240 | 120 | ug/Kg | ☆ | 06/14/21 08:15 | 06/16/21 13:00 | 100     |
| beta-BHC            | ND     |           | 240 | 42  | ug/Kg | ☆ | 06/14/21 08:15 | 06/16/21 13:00 | 100     |
| delta-BHC           | ND     |           | 240 | 44  | ug/Kg | ☆ | 06/14/21 08:15 | 06/16/21 13:00 | 100     |
| Dieldrin            | ND     |           | 240 | 56  | ug/Kg | ☆ | 06/14/21 08:15 | 06/16/21 13:00 | 100     |
| Endosulfan I        | ND     |           | 240 | 45  | ug/Kg | ☆ | 06/14/21 08:15 | 06/16/21 13:00 | 100     |
| Endosulfan II       | ND     |           | 240 | 42  | ug/Kg | ☆ | 06/14/21 08:15 | 06/16/21 13:00 | 100     |
| Endosulfan sulfate  | ND     |           | 240 | 44  | ug/Kg | ☆ | 06/14/21 08:15 | 06/16/21 13:00 | 100     |
| Endrin              | ND     |           | 240 | 47  | ug/Kg | ☆ | 06/14/21 08:15 | 06/16/21 13:00 | 100     |
| Endrin aldehyde     | 1300   |           | 240 | 60  | ug/Kg | ☆ | 06/14/21 08:15 | 06/16/21 13:00 | 100     |
| Endrin ketone       | ND     |           | 240 | 58  | ug/Kg | ☆ | 06/14/21 08:15 | 06/16/21 13:00 | 100     |
| gamma-BHC (Lindane) | ND     |           | 240 | 43  | ug/Kg | ☆ | 06/14/21 08:15 | 06/16/21 13:00 | 100     |
| trans-Chlordane     | ND     |           | 240 | 75  | ug/Kg | ☆ | 06/14/21 08:15 | 06/16/21 13:00 | 100     |
| Heptachlor          | ND     |           | 240 | 51  | ug/Kg | ☆ | 06/14/21 08:15 | 06/16/21 13:00 | 100     |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-185711-1

Client Sample ID: TT06-4.5-5.0-210607

Lab Sample ID: 480-185711-8

Date Collected: 06/07/21 12:30

Matrix: Solid

Date Received: 06/07/21 14:10

Percent Solids: 70.2

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

| Analyte            | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------|--------|-----------|------|------|-------|---|----------------|----------------|---------|
| Heptachlor epoxide | ND     |           | 240  | 61   | ug/Kg | ✱ | 06/14/21 08:15 | 06/16/21 13:00 | 100     |
| Methoxychlor       | ND     |           | 240  | 48   | ug/Kg | ✱ | 06/14/21 08:15 | 06/16/21 13:00 | 100     |
| Toxaphene          | ND     |           | 2400 | 1400 | ug/Kg | ✱ | 06/14/21 08:15 | 06/16/21 13:00 | 100     |
| 4,4'-DDD           | ND     |           | 240  | 46   | ug/Kg | ✱ | 06/14/21 08:15 | 06/16/21 13:00 | 100     |
| Mirex              | ND     |           | 240  | 58   | ug/Kg | ✱ | 06/14/21 08:15 | 06/16/21 13:00 | 100     |

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| DCB Decachlorobiphenyl | 0         | S1-       | 45 - 120 | 06/14/21 08:15 | 06/16/21 13:00 | 100     |
| DCB Decachlorobiphenyl | 0         | S1-       | 45 - 120 | 06/14/21 08:15 | 06/16/21 13:00 | 100     |
| Tetrachloro-m-xylene   | 0         | S1-       | 30 - 124 | 06/14/21 08:15 | 06/16/21 13:00 | 100     |
| Tetrachloro-m-xylene   | 0         | S1-       | 30 - 124 | 06/14/21 08:15 | 06/16/21 13:00 | 100     |

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

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| PCB-1016 | ND     |           | 0.30 | 0.059 | mg/Kg | ✱ | 06/14/21 07:19 | 06/14/21 21:14 | 1       |
| PCB-1221 | ND     |           | 0.30 | 0.059 | mg/Kg | ✱ | 06/14/21 07:19 | 06/14/21 21:14 | 1       |
| PCB-1232 | ND     |           | 0.30 | 0.059 | mg/Kg | ✱ | 06/14/21 07:19 | 06/14/21 21:14 | 1       |
| PCB-1242 | 0.28   | J         | 0.30 | 0.059 | mg/Kg | ✱ | 06/14/21 07:19 | 06/14/21 21:14 | 1       |
| PCB-1248 | ND     |           | 0.30 | 0.059 | mg/Kg | ✱ | 06/14/21 07:19 | 06/14/21 21:14 | 1       |
| PCB-1254 | ND     |           | 0.30 | 0.14  | mg/Kg | ✱ | 06/14/21 07:19 | 06/14/21 21:14 | 1       |
| PCB-1260 | ND     |           | 0.30 | 0.14  | mg/Kg | ✱ | 06/14/21 07:19 | 06/14/21 21:14 | 1       |
| PCB-1262 | ND     |           | 0.30 | 0.14  | mg/Kg | ✱ | 06/14/21 07:19 | 06/14/21 21:14 | 1       |
| PCB-1268 | ND     |           | 0.30 | 0.14  | mg/Kg | ✱ | 06/14/21 07:19 | 06/14/21 21:14 | 1       |

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| Tetrachloro-m-xylene   | 101       |           | 60 - 154 | 06/14/21 07:19 | 06/14/21 21:14 | 1       |
| Tetrachloro-m-xylene   | 101       |           | 60 - 154 | 06/14/21 07:19 | 06/14/21 21:14 | 1       |
| DCB Decachlorobiphenyl | 83        |           | 65 - 174 | 06/14/21 07:19 | 06/14/21 21:14 | 1       |
| DCB Decachlorobiphenyl | 89        |           | 65 - 174 | 06/14/21 07:19 | 06/14/21 21:14 | 1       |

## Method: 6010C - Metals (ICP)

| Analyte   | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| Aluminum  | 14700  |           | 14.0 | 6.1   | mg/Kg | ✱ | 06/09/21 16:49 | 06/10/21 18:03 | 1       |
| Antimony  | ND     |           | 21.0 | 0.56  | mg/Kg | ✱ | 06/09/21 16:49 | 06/10/21 18:03 | 1       |
| Arsenic   | 4.3    |           | 2.8  | 0.56  | mg/Kg | ✱ | 06/09/21 16:49 | 06/10/21 18:03 | 1       |
| Barium    | 357    |           | 0.70 | 0.15  | mg/Kg | ✱ | 06/09/21 16:49 | 06/10/21 18:03 | 1       |
| Beryllium | 0.40   |           | 0.28 | 0.039 | mg/Kg | ✱ | 06/09/21 16:49 | 06/10/21 18:03 | 1       |
| Cadmium   | 15.6   |           | 0.28 | 0.042 | mg/Kg | ✱ | 06/09/21 16:49 | 06/11/21 15:07 | 1       |
| Calcium   | 59100  | B         | 69.9 | 4.6   | mg/Kg | ✱ | 06/09/21 16:49 | 06/10/21 18:03 | 1       |
| Chromium  | 701    |           | 0.70 | 0.28  | mg/Kg | ✱ | 06/09/21 16:49 | 06/10/21 18:03 | 1       |
| Cobalt    | 7.0    |           | 0.70 | 0.070 | mg/Kg | ✱ | 06/09/21 16:49 | 06/10/21 18:03 | 1       |
| Copper    | 160    |           | 1.4  | 0.29  | mg/Kg | ✱ | 06/09/21 16:49 | 06/10/21 18:03 | 1       |
| Iron      | 24600  | ^+        | 14.0 | 4.9   | mg/Kg | ✱ | 06/09/21 16:49 | 06/11/21 15:07 | 1       |
| Lead      | 274    |           | 1.4  | 0.34  | mg/Kg | ✱ | 06/09/21 16:49 | 06/10/21 18:03 | 1       |
| Magnesium | 11400  | B         | 28.0 | 1.3   | mg/Kg | ✱ | 06/09/21 16:49 | 06/10/21 18:03 | 1       |
| Manganese | 368    | B         | 0.28 | 0.045 | mg/Kg | ✱ | 06/09/21 16:49 | 06/11/21 15:07 | 1       |
| Nickel    | 32.5   |           | 7.0  | 0.32  | mg/Kg | ✱ | 06/09/21 16:49 | 06/10/21 18:03 | 1       |
| Potassium | 2490   |           | 41.9 | 28.0  | mg/Kg | ✱ | 06/09/21 16:49 | 06/10/21 18:03 | 1       |
| Selenium  | ND     |           | 5.6  | 0.56  | mg/Kg | ✱ | 06/09/21 16:49 | 06/10/21 18:03 | 1       |
| Silver    | 0.49   | J         | 0.84 | 0.28  | mg/Kg | ✱ | 06/09/21 16:49 | 06/10/21 18:03 | 1       |

Eurofins TestAmerica, Buffalo

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-185711-1

**Client Sample ID: TT06-4.5-5.0-210607**

**Lab Sample ID: 480-185711-8**

Date Collected: 06/07/21 12:30

Matrix: Solid

Date Received: 06/07/21 14:10

Percent Solids: 70.2

## Method: 6010C - Metals (ICP) (Continued)

| Analyte  | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------|-----------|------|------|-------|---|----------------|----------------|---------|
| Sodium   | 290    | B         | 196  | 18.2 | mg/Kg | ☆ | 06/09/21 16:49 | 06/10/21 18:03 | 1       |
| Thallium | ND     |           | 8.4  | 0.42 | mg/Kg | ☆ | 06/09/21 16:49 | 06/10/21 18:03 | 1       |
| Vanadium | 21.5   |           | 0.70 | 0.15 | mg/Kg | ☆ | 06/09/21 16:49 | 06/10/21 18:03 | 1       |
| Zinc     | 925    |           | 2.8  | 0.89 | mg/Kg | ☆ | 06/09/21 16:49 | 06/10/21 18:03 | 1       |

## Method: 7471B - Mercury (CVAA)

| Analyte | Result | Qualifier | RL    | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------|--------|-----------|-------|-------|-------|---|----------------|----------------|---------|
| Mercury | 0.41   |           | 0.033 | 0.013 | mg/Kg | ☆ | 06/16/21 12:25 | 06/16/21 14:53 | 1       |

# Lab Chronicle

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-185711-1

**Client Sample ID: FBTT-210607**

**Lab Sample ID: 480-185711-1**

**Date Collected: 06/07/21 12:00**

**Matrix: Water**

**Date Received: 06/07/21 14:10**

| Prep Type         | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-------------------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA          | Analysis   | 8260C        |     | 1               | 584696       | 06/10/21 02:50       | CRL     | TAL BUF |
| Total/NA          | Prep       | 3510C        |     |                 | 584903       | 06/10/21 15:30       | CMC     | TAL BUF |
| Total/NA          | Analysis   | 8270D        |     | 1               | 585040       | 06/11/21 23:13       | PJQ     | TAL BUF |
| Total/NA          | Prep       | 3510C        |     |                 | 584590       | 06/09/21 08:46       | JMP     | TAL BUF |
| Total/NA          | Analysis   | 8081B        |     | 1               | 584566       | 06/09/21 20:10       | JLS     | TAL BUF |
| Total/NA          | Prep       | 3510C        |     |                 | 584910       | 06/10/21 15:46       | CMC     | TAL BUF |
| Total/NA          | Analysis   | 8082A        |     | 1               | 585157       | 06/13/21 19:24       | W1T     | TAL BUF |
| Total Recoverable | Prep       | 3005A        |     |                 | 584765       | 06/10/21 10:09       | ADM     | TAL BUF |
| Total Recoverable | Analysis   | 6010C        |     | 1               | 585004       | 06/11/21 03:19       | LMH     | TAL BUF |
| Total Recoverable | Prep       | 3005A        |     |                 | 584765       | 06/10/21 10:09       | ADM     | TAL BUF |
| Total Recoverable | Analysis   | 6010C        |     | 1               | 585247       | 06/11/21 17:03       | LMH     | TAL BUF |
| Total/NA          | Prep       | 7470A        |     |                 | 585276       | 06/14/21 12:30       | BMB     | TAL BUF |
| Total/NA          | Analysis   | 7470A        |     | 1               | 585345       | 06/14/21 17:30       | BMB     | TAL BUF |

**Client Sample ID: TT01-5.5-7.0-210607**

**Lab Sample ID: 480-185711-2**

**Date Collected: 06/07/21 10:00**

**Matrix: Solid**

**Date Received: 06/07/21 14:10**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | Moisture     |     | 1               | 584502       | 06/08/21 16:02       | JMM     | TAL BUF |

**Client Sample ID: TT01-5.5-7.0-210607**

**Lab Sample ID: 480-185711-2**

**Date Collected: 06/07/21 10:00**

**Matrix: Solid**

**Date Received: 06/07/21 14:10**

**Percent Solids: 76.0**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035A_L      |     |                 | 584736       | 06/09/21 21:30       | CDC     | TAL BUF |
| Total/NA  | Analysis   | 8260C        |     | 1               | 584743       | 06/10/21 15:06       | WJD     | TAL BUF |
| Total/NA  | Prep       | 3550C        |     |                 | 584488       | 06/08/21 15:17       | ATG     | TAL BUF |
| Total/NA  | Analysis   | 8270D        |     | 1               | 585633       | 06/16/21 16:34       | JMM     | TAL BUF |
| Total/NA  | Prep       | 3550C        |     |                 | 585192       | 06/14/21 08:11       | VXF     | TAL BUF |
| Total/NA  | Analysis   | 8081B        |     | 1               | 585369       | 06/15/21 15:50       | JLS     | TAL BUF |
| Total/NA  | Prep       | 3550C        |     |                 | 585184       | 06/14/21 07:19       | SMP     | TAL BUF |
| Total/NA  | Analysis   | 8082A        |     | 1               | 585304       | 06/14/21 20:10       | W1T     | TAL BUF |
| Total/NA  | Prep       | 3050B        |     |                 | 584668       | 06/09/21 16:49       | KMP     | TAL BUF |
| Total/NA  | Analysis   | 6010C        |     | 1               | 584995       | 06/10/21 17:02       | LMH     | TAL BUF |
| Total/NA  | Prep       | 7471B        |     |                 | 585546       | 06/16/21 12:25       | BMB     | TAL BUF |
| Total/NA  | Analysis   | 7471B        |     | 1               | 585722       | 06/16/21 14:40       | BMB     | TAL BUF |

**Client Sample ID: TT51-5.5-7.0-210607**

**Lab Sample ID: 480-185711-3**

**Date Collected: 06/07/21 08:00**

**Matrix: Solid**

**Date Received: 06/07/21 14:10**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | Moisture     |     | 1               | 584502       | 06/08/21 16:02       | JMM     | TAL BUF |

Eurofins TestAmerica, Buffalo



# Lab Chronicle

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-185711-1

**Client Sample ID: TT51-5.5-7.0-210607**

**Lab Sample ID: 480-185711-3**

**Date Collected: 06/07/21 08:00**

**Matrix: Solid**

**Date Received: 06/07/21 14:10**

**Percent Solids: 78.9**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035A_L      |     |                 | 584736       | 06/09/21 21:30       | CDC     | TAL BUF |
| Total/NA  | Analysis   | 8260C        |     | 1               | 584743       | 06/10/21 15:30       | WJD     | TAL BUF |
| Total/NA  | Prep       | 3550C        |     |                 | 584488       | 06/08/21 15:17       | ATG     | TAL BUF |
| Total/NA  | Analysis   | 8270D        |     | 1               | 585633       | 06/16/21 16:58       | JMM     | TAL BUF |
| Total/NA  | Prep       | 3550C        |     |                 | 585192       | 06/14/21 08:11       | VXF     | TAL BUF |
| Total/NA  | Analysis   | 8081B        |     | 10              | 585369       | 06/15/21 16:10       | JLS     | TAL BUF |
| Total/NA  | Prep       | 3550C        |     |                 | 585184       | 06/14/21 07:19       | SMP     | TAL BUF |
| Total/NA  | Analysis   | 8082A        |     | 1               | 585304       | 06/14/21 20:23       | W1T     | TAL BUF |
| Total/NA  | Prep       | 3050B        |     |                 | 584668       | 06/09/21 16:49       | KMP     | TAL BUF |
| Total/NA  | Analysis   | 6010C        |     | 1               | 584995       | 06/10/21 17:18       | LMH     | TAL BUF |
| Total/NA  | Prep       | 7471B        |     |                 | 585546       | 06/16/21 12:25       | BMB     | TAL BUF |
| Total/NA  | Analysis   | 7471B        |     | 1               | 585722       | 06/16/21 14:41       | BMB     | TAL BUF |

**Client Sample ID: TT02-3.5-4.0-210607**

**Lab Sample ID: 480-185711-4**

**Date Collected: 06/07/21 10:25**

**Matrix: Solid**

**Date Received: 06/07/21 14:10**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | Moisture     |     | 1               | 584502       | 06/08/21 16:02       | JMM     | TAL BUF |

**Client Sample ID: TT02-3.5-4.0-210607**

**Lab Sample ID: 480-185711-4**

**Date Collected: 06/07/21 10:25**

**Matrix: Solid**

**Date Received: 06/07/21 14:10**

**Percent Solids: 59.3**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035A_L      |     |                 | 585031       | 06/11/21 10:30       | WJD     | TAL BUF |
| Total/NA  | Analysis   | 8260C        |     | 1               | 584982       | 06/11/21 17:58       | WJD     | TAL BUF |
| Total/NA  | Prep       | 3550C        |     |                 | 584488       | 06/08/21 15:17       | ATG     | TAL BUF |
| Total/NA  | Analysis   | 8270D        |     | 5               | 585633       | 06/16/21 14:06       | JMM     | TAL BUF |
| Total/NA  | Prep       | 3550C        |     |                 | 585192       | 06/14/21 08:11       | VXF     | TAL BUF |
| Total/NA  | Analysis   | 8081B        |     | 10              | 585369       | 06/15/21 13:13       | JLS     | TAL BUF |
| Total/NA  | Prep       | 3550C        |     |                 | 585184       | 06/14/21 07:19       | SMP     | TAL BUF |
| Total/NA  | Analysis   | 8082A        |     | 1               | 585304       | 06/14/21 19:57       | W1T     | TAL BUF |
| Total/NA  | Prep       | 3050B        |     |                 | 584668       | 06/09/21 16:49       | KMP     | TAL BUF |
| Total/NA  | Analysis   | 6010C        |     | 1               | 584995       | 06/10/21 17:22       | LMH     | TAL BUF |
| Total/NA  | Prep       | 7471B        |     |                 | 585546       | 06/16/21 12:25       | BMB     | TAL BUF |
| Total/NA  | Analysis   | 7471B        |     | 1               | 585722       | 06/16/21 14:42       | BMB     | TAL BUF |

**Client Sample ID: TT03-02-5.5-210607**

**Lab Sample ID: 480-185711-5**

**Date Collected: 06/07/21 11:00**

**Matrix: Solid**

**Date Received: 06/07/21 14:10**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | Moisture     |     | 1               | 584502       | 06/08/21 16:02       | JMM     | TAL BUF |

Eurofins TestAmerica, Buffalo

# Lab Chronicle

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-185711-1

**Client Sample ID: TT03-02-5.5-210607**

**Lab Sample ID: 480-185711-5**

**Date Collected: 06/07/21 11:00**

**Matrix: Solid**

**Date Received: 06/07/21 14:10**

**Percent Solids: 68.4**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035A_L      |     |                 | 584736       | 06/09/21 21:30       | CDC     | TAL BUF |
| Total/NA  | Analysis   | 8260C        |     | 1               | 584743       | 06/10/21 15:55       | WJD     | TAL BUF |
| Total/NA  | Prep       | 3550C        |     |                 | 584488       | 06/08/21 15:17       | ATG     | TAL BUF |
| Total/NA  | Analysis   | 8270D        |     | 1               | 585633       | 06/16/21 17:22       | JMM     | TAL BUF |
| Total/NA  | Prep       | 3550C        |     |                 | 585192       | 06/14/21 08:11       | VXF     | TAL BUF |
| Total/NA  | Analysis   | 8081B        |     | 1               | 585620       | 06/16/21 12:01       | JLS     | TAL BUF |
| Total/NA  | Prep       | 3550C        |     |                 | 585184       | 06/14/21 07:19       | SMP     | TAL BUF |
| Total/NA  | Analysis   | 8082A        |     | 1               | 585304       | 06/14/21 20:36       | W1T     | TAL BUF |
| Total/NA  | Prep       | 3050B        |     |                 | 584668       | 06/09/21 16:49       | KMP     | TAL BUF |
| Total/NA  | Analysis   | 6010C        |     | 1               | 584995       | 06/10/21 17:40       | LMH     | TAL BUF |
| Total/NA  | Prep       | 7471B        |     |                 | 585546       | 06/16/21 12:25       | BMB     | TAL BUF |
| Total/NA  | Analysis   | 7471B        |     | 1               | 585722       | 06/16/21 14:49       | BMB     | TAL BUF |

**Client Sample ID: TT04-04-4.5-210607**

**Lab Sample ID: 480-185711-6**

**Date Collected: 06/07/21 11:40**

**Matrix: Solid**

**Date Received: 06/07/21 14:10**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | Moisture     |     | 1               | 584502       | 06/08/21 16:02       | JMM     | TAL BUF |

**Client Sample ID: TT04-04-4.5-210607**

**Lab Sample ID: 480-185711-6**

**Date Collected: 06/07/21 11:40**

**Matrix: Solid**

**Date Received: 06/07/21 14:10**

**Percent Solids: 61.1**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035A_L      |     |                 | 585031       | 06/11/21 10:30       | WJD     | TAL BUF |
| Total/NA  | Analysis   | 8260C        |     | 1               | 584982       | 06/11/21 18:23       | WJD     | TAL BUF |
| Total/NA  | Prep       | 3550C        |     |                 | 584488       | 06/08/21 15:17       | ATG     | TAL BUF |
| Total/NA  | Analysis   | 8270D        |     | 1               | 585633       | 06/16/21 17:47       | JMM     | TAL BUF |
| Total/NA  | Prep       | 3550C        |     |                 | 585192       | 06/14/21 08:11       | VXF     | TAL BUF |
| Total/NA  | Analysis   | 8081B        |     | 10              | 585620       | 06/16/21 12:21       | JLS     | TAL BUF |
| Total/NA  | Prep       | 3550C        |     |                 | 585184       | 06/14/21 07:19       | SMP     | TAL BUF |
| Total/NA  | Analysis   | 8082A        |     | 1               | 585304       | 06/14/21 20:49       | W1T     | TAL BUF |
| Total/NA  | Prep       | 3050B        |     |                 | 584668       | 06/09/21 16:49       | KMP     | TAL BUF |
| Total/NA  | Analysis   | 6010C        |     | 1               | 584995       | 06/10/21 17:44       | LMH     | TAL BUF |
| Total/NA  | Prep       | 7471B        |     |                 | 585546       | 06/16/21 12:25       | BMB     | TAL BUF |
| Total/NA  | Analysis   | 7471B        |     | 1               | 585722       | 06/16/21 14:50       | BMB     | TAL BUF |

**Client Sample ID: TT05-4.5-5.0-210607**

**Lab Sample ID: 480-185711-7**

**Date Collected: 06/07/21 12:10**

**Matrix: Solid**

**Date Received: 06/07/21 14:10**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | Moisture     |     | 1               | 584502       | 06/08/21 16:02       | JMM     | TAL BUF |

Eurofins TestAmerica, Buffalo



# Lab Chronicle

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-185711-1

**Client Sample ID: TT05-4.5-5.0-210607**

**Lab Sample ID: 480-185711-7**

**Date Collected: 06/07/21 12:10**

**Matrix: Solid**

**Date Received: 06/07/21 14:10**

**Percent Solids: 70.0**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035A_L      |     |                 | 585031       | 06/11/21 10:30       | WJD     | TAL BUF |
| Total/NA  | Analysis   | 8260C        |     | 1               | 584982       | 06/11/21 18:47       | WJD     | TAL BUF |
| Total/NA  | Prep       | 3550C        |     |                 | 584488       | 06/08/21 15:17       | ATG     | TAL BUF |
| Total/NA  | Analysis   | 8270D        |     | 1               | 585633       | 06/16/21 18:11       | JMM     | TAL BUF |
| Total/NA  | Prep       | 3550C        |     |                 | 585192       | 06/14/21 08:15       | VXF     | TAL BUF |
| Total/NA  | Analysis   | 8081B        |     | 1               | 585620       | 06/16/21 12:40       | JLS     | TAL BUF |
| Total/NA  | Prep       | 3550C        |     |                 | 585184       | 06/14/21 07:19       | SMP     | TAL BUF |
| Total/NA  | Analysis   | 8082A        |     | 1               | 585304       | 06/14/21 21:01       | W1T     | TAL BUF |
| Total/NA  | Prep       | 3050B        |     |                 | 584668       | 06/09/21 16:49       | KMP     | TAL BUF |
| Total/NA  | Analysis   | 6010C        |     | 1               | 584995       | 06/10/21 17:48       | LMH     | TAL BUF |
| Total/NA  | Prep       | 7471B        |     |                 | 585546       | 06/16/21 12:25       | BMB     | TAL BUF |
| Total/NA  | Analysis   | 7471B        |     | 1               | 585722       | 06/16/21 14:52       | BMB     | TAL BUF |

**Client Sample ID: TT06-4.5-5.0-210607**

**Lab Sample ID: 480-185711-8**

**Date Collected: 06/07/21 12:30**

**Matrix: Solid**

**Date Received: 06/07/21 14:10**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | Moisture     |     | 1               | 584502       | 06/08/21 16:02       | JMM     | TAL BUF |

**Client Sample ID: TT06-4.5-5.0-210607**

**Lab Sample ID: 480-185711-8**

**Date Collected: 06/07/21 12:30**

**Matrix: Solid**

**Date Received: 06/07/21 14:10**

**Percent Solids: 70.2**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035A_L      |     |                 | 585031       | 06/11/21 10:30       | WJD     | TAL BUF |
| Total/NA  | Analysis   | 8260C        |     | 1               | 584982       | 06/11/21 19:12       | WJD     | TAL BUF |
| Total/NA  | Prep       | 3550C        |     |                 | 584488       | 06/08/21 15:17       | ATG     | TAL BUF |
| Total/NA  | Analysis   | 8270D        |     | 5               | 585633       | 06/16/21 18:35       | JMM     | TAL BUF |
| Total/NA  | Prep       | 3550C        |     |                 | 585192       | 06/14/21 08:15       | VXF     | TAL BUF |
| Total/NA  | Analysis   | 8081B        |     | 100             | 585620       | 06/16/21 13:00       | JLS     | TAL BUF |
| Total/NA  | Prep       | 3550C        |     |                 | 585184       | 06/14/21 07:19       | SMP     | TAL BUF |
| Total/NA  | Analysis   | 8082A        |     | 1               | 585304       | 06/14/21 21:14       | W1T     | TAL BUF |
| Total/NA  | Prep       | 3050B        |     |                 | 584668       | 06/09/21 16:49       | KMP     | TAL BUF |
| Total/NA  | Analysis   | 6010C        |     | 1               | 584995       | 06/10/21 18:03       | LMH     | TAL BUF |
| Total/NA  | Prep       | 3050B        |     |                 | 584668       | 06/09/21 16:49       | KMP     | TAL BUF |
| Total/NA  | Analysis   | 6010C        |     | 1               | 585244       | 06/11/21 15:07       | LMH     | TAL BUF |
| Total/NA  | Prep       | 7471B        |     |                 | 585546       | 06/16/21 12:25       | BMB     | TAL BUF |
| Total/NA  | Analysis   | 7471B        |     | 1               | 585722       | 06/16/21 14:53       | 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: Niagara Sanitation Wheatfield #932054

Job ID: 480-185711-1

## Laboratory: Eurofins TestAmerica, Buffalo

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

| Authority | Program | Identification Number | Expiration Date |
|-----------|---------|-----------------------|-----------------|
| New York  | NELAP   | 10026                 | 04-01-22        |

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

| Analysis Method | Prep Method | Matrix | Analyte          |
|-----------------|-------------|--------|------------------|
| Moisture        |             | Solid  | Percent Moisture |
| Moisture        |             | Solid  | Percent Solids   |

## Method Summary

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-185711-1

| Method   | Method Description                                     | Protocol | Laboratory |
|----------|--------------------------------------------------------|----------|------------|
| 8260C    | Volatile Organic Compounds by GC/MS                    | SW846    | TAL BUF    |
| 8270D    | Semivolatile Organic Compounds (GC/MS)                 | SW846    | TAL BUF    |
| 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    |
| 7471B    | Mercury (CVAA)                                         | SW846    | TAL BUF    |
| Moisture | Percent Moisture                                       | EPA      | TAL BUF    |
| 3005A    | Preparation, Total Recoverable or Dissolved Metals     | SW846    | TAL BUF    |
| 3050B    | Preparation, Metals                                    | SW846    | TAL BUF    |
| 3510C    | Liquid-Liquid Extraction (Separatory Funnel)           | SW846    | TAL BUF    |
| 3550C    | Ultrasonic Extraction                                  | SW846    | TAL BUF    |
| 5030C    | Purge and Trap                                         | SW846    | TAL BUF    |
| 5035A_L  | Closed System Purge and Trap                           | SW846    | TAL BUF    |
| 7470A    | Preparation, Mercury                                   | SW846    | TAL BUF    |
| 7471B    | Preparation, Mercury                                   | SW846    | TAL BUF    |

### Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

### Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

## Sample Summary

Client: New York State D.E.C.

Job ID: 480-185711-1

Project/Site: Niagara Sanitation Wheatfield #932054

| Lab Sample ID | Client Sample ID    | Matrix | Collected      | Received       | Asset ID |
|---------------|---------------------|--------|----------------|----------------|----------|
| 480-185711-1  | FBTT-210607         | Water  | 06/07/21 12:00 | 06/07/21 14:10 |          |
| 480-185711-2  | TT01-5.5-7.0-210607 | Solid  | 06/07/21 10:00 | 06/07/21 14:10 |          |
| 480-185711-3  | TT51-5.5-7.0-210607 | Solid  | 06/07/21 08:00 | 06/07/21 14:10 |          |
| 480-185711-4  | TT02-3.5-4.0-210607 | Solid  | 06/07/21 10:25 | 06/07/21 14:10 |          |
| 480-185711-5  | TT03-02-5.5-210607  | Solid  | 06/07/21 11:00 | 06/07/21 14:10 |          |
| 480-185711-6  | TT04-04-4.5-210607  | Solid  | 06/07/21 11:40 | 06/07/21 14:10 |          |
| 480-185711-7  | TT05-4.5-5.0-210607 | Solid  | 06/07/21 12:10 | 06/07/21 14:10 |          |
| 480-185711-8  | TT06-4.5-5.0-210607 | Solid  | 06/07/21 12:30 | 06/07/21 14:10 |          |

Email data to:  
Dino.zuck@aecom.com

**eurolins** | Environment Testing  
America

|                                                                                                                                                                                                                                                                            |  |                                                                              |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                   |                                  |  |                                                           |  |                                                                                                                                                                                                                                               |  |                           |  |              |                                 |                     |  |                          |  |                               |  |                                                |  |                                                 |                    |              |  |                                |  |                            |  |                            |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|----------------------------------|--|-----------------------------------------------------------|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|---------------------------|--|--------------|---------------------------------|---------------------|--|--------------------------|--|-------------------------------|--|------------------------------------------------|--|-------------------------------------------------|--------------------|--------------|--|--------------------------------|--|----------------------------|--|----------------------------|--|
| <b>Client Information</b>                                                                                                                                                                                                                                                  |  | Sampler: <u>Dino Zuck</u>                                                    |  | Lab PM: Johnson, Orlette S                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                   | Carrier Tracking No(s):          |  | COC No: 480-161218-35452.1                                |  |                                                                                                                                                                                                                                               |  |                           |  |              |                                 |                     |  |                          |  |                               |  |                                                |  |                                                 |                    |              |  |                                |  |                            |  |                            |  |
| Client Contact: Mr. Glenn May                                                                                                                                                                                                                                              |  | Phone: <u>716 866 8222</u>                                                   |  | E-Mail: E.Orlette.Johnson@Eurofinset.com                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                   | State of Origin: <u>New York</u> |  | Page: Page 1 of 2                                         |  |                                                                                                                                                                                                                                               |  |                           |  |              |                                 |                     |  |                          |  |                               |  |                                                |  |                                                 |                    |              |  |                                |  |                            |  |                            |  |
| Company: New York State D.E.C.                                                                                                                                                                                                                                             |  | PWSID:                                                                       |  | Analysis Requested                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                   |                                  |  |                                                           |  |                                                                                                                                                                                                                                               |  |                           |  |              |                                 |                     |  |                          |  |                               |  |                                                |  |                                                 |                    |              |  |                                |  |                            |  |                            |  |
| Address: 270 Michigan Avenue                                                                                                                                                                                                                                               |  | Due Date Requested: <u>STD TAT</u>                                           |  | <br>480-185711 Chain of Custody                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                   |                                  |  |                                                           |  |                                                                                                                                                                                                                                               |  |                           |  |              |                                 |                     |  |                          |  |                               |  |                                                |  |                                                 |                    |              |  |                                |  |                            |  |                            |  |
| City: Buffalo                                                                                                                                                                                                                                                              |  | TAT Requested (days): <u>STD</u>                                             |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                   |                                  |  |                                                           |  |                                                                                                                                                                                                                                               |  |                           |  |              |                                 |                     |  |                          |  |                               |  |                                                |  |                                                 |                    |              |  |                                |  |                            |  |                            |  |
| State, Zip: NY, 14203                                                                                                                                                                                                                                                      |  | Compliance Project: <input type="checkbox"/> Yes <input type="checkbox"/> No |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                   |                                  |  |                                                           |  |                                                                                                                                                                                                                                               |  |                           |  |              |                                 |                     |  |                          |  |                               |  |                                                |  |                                                 |                    |              |  |                                |  |                            |  |                            |  |
| Phone:                                                                                                                                                                                                                                                                     |  | PO #:<br>CallOut ID: 136802                                                  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                   |                                  |  |                                                           |  |                                                                                                                                                                                                                                               |  |                           |  |              |                                 |                     |  |                          |  |                               |  |                                                |  |                                                 |                    |              |  |                                |  |                            |  |                            |  |
| Email: glenn.may@dec.ny.gov                                                                                                                                                                                                                                                |  | WO #:                                                                        |  | <div>Field Filtered Sample (Yes or No)</div> <div>Perform MS/MS (Yes or No)</div> <div>6010C, 7471B</div> <div>8081B, 8082A, 8270D</div> <div>8260C - TCL list OLM04.2</div> <div>8082A - TCL PCBs - SOMD1.0</div> <div>8081B - (MOD) TCL Pesticides - OLM04.2 + Mirex</div> <div>8270D - (MOD) TCL SVOA - OLM04.2 + Benzoic Acid</div> <div>6010C, 7470A</div> <div>8260C - (MOD) TCL list OLM04.2</div> <div>Total Number of containers</div> <div>1 - Ice<br/>J - DI Water<br/>K - EDTA<br/>L - EDA<br/>U - Acetone<br/>V - MCAA<br/>W - pH 4-5<br/>Z - other (specify)<br/>Other:</div> |                                   |                                  |  |                                                           |  |                                                                                                                                                                                                                                               |  |                           |  |              |                                 |                     |  |                          |  |                               |  |                                                |  |                                                 |                    |              |  |                                |  |                            |  |                            |  |
| Project Name: Niagara Sanitation Wheatfield #932054                                                                                                                                                                                                                        |  | Project #: 48019690                                                          |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                   |                                  |  |                                                           |  |                                                                                                                                                                                                                                               |  |                           |  |              |                                 |                     |  |                          |  |                               |  |                                                |  |                                                 |                    |              |  |                                |  |                            |  |                            |  |
| Site: <u>Niagara Sanitation, NY</u>                                                                                                                                                                                                                                        |  | SSOW#:                                                                       |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                   |                                  |  |                                                           |  |                                                                                                                                                                                                                                               |  |                           |  |              |                                 |                     |  |                          |  |                               |  |                                                |  |                                                 |                    |              |  |                                |  |                            |  |                            |  |
| <b>Sample Identification</b>                                                                                                                                                                                                                                               |  | Sample Date                                                                  |  | Sample Time                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                   | Sample Type (C=comp, G=grab)     |  | Matrix (W=water, S=solid, O=waste/soil, BT=tissue, A=air) |  | Field Filtered Sample (Yes or No)                                                                                                                                                                                                             |  | Perform MS/MS (Yes or No) |  | 6010C, 7471B |                                 | 8081B, 8082A, 8270D |  | 8260C - TCL list OLM04.2 |  | 8082A - TCL PCBs - SOMD1.0    |  | 8081B - (MOD) TCL Pesticides - OLM04.2 + Mirex |  | 8270D - (MOD) TCL SVOA - OLM04.2 + Benzoic Acid |                    | 6010C, 7470A |  | 8260C - (MOD) TCL list OLM04.2 |  | Total Number of containers |  | Special Instructions/Note: |  |
|                                                                                                                                                                                                                                                                            |  |                                                                              |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                   |                                  |  |                                                           |  |                                                                                                                                                                                                                                               |  |                           |  |              |                                 |                     |  |                          |  |                               |  |                                                |  |                                                 |                    |              |  |                                |  |                            |  |                            |  |
| FBTT-210607                                                                                                                                                                                                                                                                |  | 6/7/21                                                                       |  | 1200                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                   | G                                |  | Solid                                                     |  |                                                                                                                                                                                                                                               |  |                           |  |              |                                 |                     |  |                          |  |                               |  |                                                |  |                                                 |                    |              |  |                                |  |                            |  |                            |  |
| TT01-5.5-7.0-210607                                                                                                                                                                                                                                                        |  | 6/7/21                                                                       |  | 1000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                   | C                                |  | Solid                                                     |  |                                                                                                                                                                                                                                               |  |                           |  |              |                                 |                     |  |                          |  |                               |  |                                                |  |                                                 |                    |              |  |                                |  |                            |  | VOC = Grab                 |  |
| TT51-5.5-7.0-210607                                                                                                                                                                                                                                                        |  | 6/7/21                                                                       |  | 0800                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                   | C                                |  | Solid                                                     |  |                                                                                                                                                                                                                                               |  |                           |  |              |                                 |                     |  |                          |  |                               |  |                                                |  |                                                 |                    |              |  |                                |  |                            |  | VOC = Grab                 |  |
| TT02-3.5-4.0-210607                                                                                                                                                                                                                                                        |  | 6/7/21                                                                       |  | 1025                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                   | C                                |  | Solid                                                     |  |                                                                                                                                                                                                                                               |  |                           |  |              |                                 |                     |  |                          |  |                               |  |                                                |  |                                                 |                    |              |  |                                |  |                            |  | VOC = Grab                 |  |
| TT02-MS-3.5-4.0-210607                                                                                                                                                                                                                                                     |  | 6/7/21                                                                       |  | 1025                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                   | C                                |  | Solid                                                     |  |                                                                                                                                                                                                                                               |  |                           |  |              |                                 |                     |  |                          |  |                               |  |                                                |  |                                                 |                    |              |  |                                |  |                            |  | VOC = Grab                 |  |
| TT02-MSD-3.5-4.0-210607                                                                                                                                                                                                                                                    |  | 6/7/21                                                                       |  | 1025                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                   | C                                |  | Solid                                                     |  |                                                                                                                                                                                                                                               |  |                           |  |              |                                 |                     |  |                          |  |                               |  |                                                |  |                                                 |                    |              |  |                                |  |                            |  | VOC = Grab                 |  |
| TT03-02.5.5-210607                                                                                                                                                                                                                                                         |  | 6/7/21                                                                       |  | 1100                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                   | C                                |  | Solid                                                     |  |                                                                                                                                                                                                                                               |  |                           |  |              |                                 |                     |  |                          |  |                               |  |                                                |  |                                                 |                    |              |  |                                |  |                            |  | VOC = Grab                 |  |
| TT04-04-4.5-210607                                                                                                                                                                                                                                                         |  | 6/7/21                                                                       |  | 1140                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                   | C                                |  | Solid                                                     |  |                                                                                                                                                                                                                                               |  |                           |  |              |                                 |                     |  |                          |  |                               |  |                                                |  |                                                 |                    |              |  |                                |  |                            |  | VOC = Grab                 |  |
| TT05-4.5-5.0-210607                                                                                                                                                                                                                                                        |  | 6/7/21                                                                       |  | 1210                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                   | C                                |  | Solid                                                     |  |                                                                                                                                                                                                                                               |  |                           |  |              |                                 |                     |  |                          |  |                               |  |                                                |  |                                                 |                    |              |  |                                |  |                            |  | VOC = Grab                 |  |
| TT06 4.5-5.0-210607                                                                                                                                                                                                                                                        |  | 6/7/21                                                                       |  | 1230                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                   | C                                |  | Solid                                                     |  |                                                                                                                                                                                                                                               |  |                           |  |              |                                 |                     |  |                          |  |                               |  |                                                |  |                                                 |                    |              |  |                                |  |                            |  | VOC = Grab                 |  |
|                                                                                                                                                                                                                                                                            |  |                                                                              |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                   |                                  |  | Water                                                     |  |                                                                                                                                                                                                                                               |  |                           |  |              |                                 |                     |  |                          |  |                               |  |                                                |  |                                                 |                    |              |  |                                |  |                            |  |                            |  |
| <b>Possible Hazard Identification</b><br><input checked="" type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological |  |                                                                              |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                   |                                  |  |                                                           |  | <b>Sample Disposal</b> (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 |  |                           |  |              |                                 |                     |  |                          |  |                               |  |                                                |  |                                                 |                    |              |  |                                |  |                            |  |                            |  |
| Deliverable Requested: I, II, III, IV, Other (specify)                                                                                                                                                                                                                     |  |                                                                              |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                   |                                  |  |                                                           |  | Special Instructions/QC Requirements:                                                                                                                                                                                                         |  |                           |  |              |                                 |                     |  |                          |  |                               |  |                                                |  |                                                 |                    |              |  |                                |  |                            |  |                            |  |
| Empty Kit Relinquished by: <u>[Signature]</u>                                                                                                                                                                                                                              |  |                                                                              |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Date: _____                       |                                  |  |                                                           |  | Time: _____                                                                                                                                                                                                                                   |  |                           |  |              | Method of Shipment: _____       |                     |  |                          |  |                               |  |                                                |  |                                                 |                    |              |  |                                |  |                            |  |                            |  |
| Relinquished by: <u>[Signature]</u>                                                                                                                                                                                                                                        |  |                                                                              |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Date/Time: <u>6/7/21 1340 hrs</u> |                                  |  |                                                           |  | Company: <u>Acetom</u>                                                                                                                                                                                                                        |  |                           |  |              | Received by: <u>[Signature]</u> |                     |  |                          |  | Date/Time: <u>6/7/21 1410</u> |  |                                                |  |                                                 | Company: <u>TA</u> |              |  |                                |  |                            |  |                            |  |
| Relinquished by:                                                                                                                                                                                                                                                           |  |                                                                              |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Date/Time:                        |                                  |  |                                                           |  | Company:                                                                                                                                                                                                                                      |  |                           |  |              | Received by:                    |                     |  |                          |  | Date/Time:                    |  |                                                |  |                                                 | Company:           |              |  |                                |  |                            |  |                            |  |
| Relinquished by:                                                                                                                                                                                                                                                           |  |                                                                              |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Date/Time:                        |                                  |  |                                                           |  | Company:                                                                                                                                                                                                                                      |  |                           |  |              | Received by:                    |                     |  |                          |  | Date/Time:                    |  |                                                |  |                                                 | Company:           |              |  |                                |  |                            |  |                            |  |
| Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No                                                                                                                                                                                             |  |                                                                              |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Custody Seal No.:                 |                                  |  |                                                           |  | Cooler Temperature(s) °C and Other Remarks: <u>6/9#1 ICE</u>                                                                                                                                                                                  |  |                           |  |              |                                 |                     |  |                          |  |                               |  |                                                |  |                                                 |                    |              |  |                                |  |                            |  |                            |  |

## Login Sample Receipt Checklist

Client: New York State D.E.C.

Job Number: 480-185711-1

**Login Number: 185711**

**List Source: Eurofins TestAmerica, Buffalo**

**List Number: 1**

**Creator: Sabuda, Brendan 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   | 6.9 #1 ICE |
| COC is present.                                                                  | True   |            |
| COC is filled out in ink and legible.                                            | True   |            |
| COC is filled out with all pertinent information.                                | True   |            |
| Is the Field Sampler's name present on COC?                                      | True   |            |
| There are no discrepancies between the sample IDs on the containers and the COC. | True   |            |
| Samples are received within Holding Time (Excluding tests with immediate HTs)..  | True   |            |
| Sample containers have legible labels.                                           | True   |            |
| Containers are not broken or leaking.                                            | True   |            |
| Sample collection date/times are provided.                                       | True   |            |
| Appropriate sample containers are used.                                          | True   |            |
| Sample bottles are completely filled.                                            | True   |            |
| Sample Preservation Verified                                                     | True   |            |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | True   |            |
| VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.     | True   |            |
| If necessary, staff have been informed of any short hold time or quick TAT needs | True   |            |
| Multiphasic samples are not present.                                             | True   |            |
| Samples do not require splitting or compositing.                                 | True   |            |
| Sampling Company provided.                                                       | True   |            |
| Samples received within 48 hours of sampling.                                    | True   |            |
| Samples requiring field filtration have been filtered in the field.              | True   |            |
| Chlorine Residual checked.                                                       | True   |            |

## ANALYTICAL REPORT

Eurofins TestAmerica, Buffalo  
10 Hazelwood Drive  
Amherst, NY 14228-2298  
Tel: (716)691-2600

Laboratory Job ID: 480-186319-1

Client Project/Site: Niagara Sanitation Wheatfield #932054

**For:**

New York State D.E.C.  
270 Michigan Avenue  
Buffalo, New York 14203

Attn: Mr. Glenn May



Authorized for release by:

7/8/2021 2:08:03 PM

Wyatt Watson, Project Management Assistant I

[Wyatt.Watson@Eurofinset.com](mailto:Wyatt.Watson@Eurofinset.com)

Designee for

Orlette Johnson, Senior Project Manager

(484)685-0864

[Orlette.Johnson@Eurofinset.com](mailto:Orlette.Johnson@Eurofinset.com)

### LINKS

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*The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.*

*This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.*

*Results relate only to the items tested and the sample(s) as received by the laboratory.*



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.



---

Wyatt Watson  
Project Management Assistant I  
7/8/2021 2:08:03 PM

# Table of Contents

|                                 |     |
|---------------------------------|-----|
| Cover Page . . . . .            | 1   |
| Table of Contents . . . . .     | 3   |
| Definitions . . . . .           | 4   |
| Case Narrative . . . . .        | 6   |
| Client Sample Results . . . . . | 11  |
| Chronicle . . . . .             | 137 |
| Certification Summary . . . . . | 158 |
| Method Summary . . . . .        | 159 |
| Sample Summary . . . . .        | 160 |
| Chain of Custody . . . . .      | 161 |
| Receipt Checklists . . . . .    | 168 |



# Definitions/Glossary

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

## Qualifiers

### GC/MS Semi VOA

| Qualifier | Qualifier Description                                                                                          |
|-----------|----------------------------------------------------------------------------------------------------------------|
| B         | Compound was found in the blank and sample.                                                                    |
| F1        | MS and/or MSD recovery exceeds control limits.                                                                 |
| F2        | MS/MSD RPD exceeds control limits                                                                              |
| J         | Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value. |
| S1-       | Surrogate recovery exceeds control limits, low biased.                                                         |

### GC Semi VOA

| Qualifier | Qualifier Description                                                                                          |
|-----------|----------------------------------------------------------------------------------------------------------------|
| B         | Compound was found in the blank and sample.                                                                    |
| F1        | MS and/or MSD recovery exceeds control limits.                                                                 |
| F2        | MS/MSD RPD exceeds control limits                                                                              |
| J         | Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value. |
| S1-       | Surrogate recovery exceeds control limits, low biased.                                                         |
| S1+       | Surrogate recovery exceeds control limits, high biased.                                                        |

### Metals

| Qualifier | Qualifier Description                                                                                          |
|-----------|----------------------------------------------------------------------------------------------------------------|
| ^+        | Continuing Calibration Verification (CCV) is outside acceptance limits, high biased.                           |
| ^6+       | Interference Check Standard (ICSA and/or ICSAB) is outside acceptance limits, high biased.                     |
| B         | Compound was found in the blank and sample.                                                                    |
| F1        | MS and/or MSD recovery exceeds control limits.                                                                 |
| F2        | MS/MSD RPD exceeds control limits                                                                              |
| J         | Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value. |

## 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                                                                                        |
| CFU            | Colony Forming Unit                                                                                         |
| CNF            | Contains No Free Liquid                                                                                     |
| DER            | Duplicate Error Ratio (normalized absolute difference)                                                      |
| Dil Fac        | Dilution Factor                                                                                             |
| DL             | Detection Limit (DoD/DOE)                                                                                   |
| DL, RA, RE, IN | Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample |
| DLC            | Decision Level Concentration (Radiochemistry)                                                               |
| EDL            | Estimated Detection Limit (Dioxin)                                                                          |
| LOD            | Limit of Detection (DoD/DOE)                                                                                |
| LOQ            | Limit of Quantitation (DoD/DOE)                                                                             |
| MCL            | EPA recommended "Maximum Contaminant Level"                                                                 |
| MDA            | Minimum Detectable Activity (Radiochemistry)                                                                |
| MDC            | Minimum Detectable Concentration (Radiochemistry)                                                           |
| MDL            | Method Detection Limit                                                                                      |
| ML             | Minimum Level (Dioxin)                                                                                      |
| MPN            | Most Probable Number                                                                                        |
| MQL            | Method Quantitation Limit                                                                                   |
| NC             | Not Calculated                                                                                              |
| ND             | Not Detected at the reporting limit (or MDL or EDL if shown)                                                |
| NEG            | Negative / Absent                                                                                           |
| POS            | Positive / Present                                                                                          |
| PQL            | Practical Quantitation Limit                                                                                |
| PRES           | Presumptive                                                                                                 |
| QC             | Quality Control                                                                                             |

## Definitions/Glossary

Client: New York State D.E.C.

Job ID: 480-186319-1

Project/Site: Niagara Sanitation Wheatfield #932054

### Glossary (Continued)

| Abbreviation | These commonly used abbreviations may or may not be present in this report.          |
|--------------|--------------------------------------------------------------------------------------|
| RER          | Relative Error Ratio (Radiochemistry)                                                |
| RL           | Reporting Limit or Requested Limit (Radiochemistry)                                  |
| RPD          | Relative Percent Difference, a measure of the relative difference between two points |
| TEF          | Toxicity Equivalent Factor (Dioxin)                                                  |
| TEQ          | Toxicity Equivalent Quotient (Dioxin)                                                |
| TNTC         | Too Numerous To Count                                                                |

# Case Narrative

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

## Job ID: 480-186319-1

### Laboratory: Eurofins TestAmerica, Buffalo

#### Narrative

#### Job Narrative 480-186319-1

#### Comments

No additional comments.

#### Receipt

The samples were received on 6/21/2021 4:14 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 3 coolers at receipt time were 3.2° C, 3.5° C and 3.6° C.

#### GC/MS Semi VOA

Method 8270D: Surrogate recovery was outside acceptance limits for the following matrix spike/matrix spike duplicate (MS/MSD) samples: SS-12-0002 (480-186319-15[MS]) and SS-12-0002 (480-186319-15[MSD]). The parent sample's surrogate recovery was within limits. The MS/MSD sample has been qualified and reported.

Method 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: SS-12-0002 (480-186319-15). These results have been reported and qualified.

Method 8270D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 480-587259 and analytical batch 480-587654 were outside control limits. Sample matrix interference is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 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: SS-64-0002 (480-186319-1), SS-62-0212 (480-186319-2), SS-01-0212 (480-186319-4), SS-11-0002 (480-186319-13), SS-11-0212 (480-186319-14), SS-12-0212 (480-186319-16) and SS-14-0212 (480-186319-18). These results have been reported and qualified.

Method 8270D: The following sample was diluted due to color and appearance: SS-02-0002 (480-186319-5). Elevated reporting limits (RL) are provided.

Method 8270D: The following compound has been spiked at a level above the upper range of the initial calibration: Benzaldehyde. The laboratory control sample (LCS) and/or laboratory control sample duplicate (LCSD) associated with preparation batch 480-587467 and analytical batch 480-587813 recovered within acceptable limits for this analyte and has been qualified with an "E" flag. (LCS 480-587467/2-A)

Method 8270D: The following samples was diluted due to color and appearance: SS-16-0002 (480-186319-21), SS-16-0212 (480-186319-22), SS-17-0002 (480-186319-23), SS-17-0212 (480-186319-24), SS-18-0002 (480-186319-25), SS-18-0212 (480-186319-26), SS-19-0002 (480-186319-27), SS-20-0212 (480-186319-30), SS-21-0002 (480-186319-31), SS-21-0002 (480-186319-31[MS]), SS-21-0002 (480-186319-31[MSD]), SS-21-0212 (480-186319-32), SS-22-0212 (480-186319-34), SS-24-0002 (480-186319-37), SS-24-0212 (480-186319-38) and SS-25-0002 (480-186319-39). Elevated reporting limits (RL) are provided.

Method 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: SS-18-0212 (480-186319-26), SS-22-0212 (480-186319-34) and SS-24-0212 (480-186319-38). These results have been reported and qualified.

Method 8270D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 480-587467 and analytical batch 480-587813 were outside control limits. Sample matrix interference is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8270D: The continuing calibration verification (CCV) associated with batch 480-588085 recovered outside acceptance criteria, low biased, for 2,2'-oxybis[1-chloropropane]. 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.

# Case Narrative

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

## Job ID: 480-186319-1 (Continued)

### Laboratory: Eurofins TestAmerica, Buffalo (Continued)

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

#### GC Semi VOA

Method 8081B: The following samples were diluted due to the nature of the sample matrix: SS-62-0212 (480-186319-2), SS-12-0002 (480-186319-15), SS-12-0212 (480-186319-16), SS-14-0002 (480-186319-17) and SS-15-0002 (480-186319-19). As such, surrogate recoveries are below the calibration range, estimated, and not representative. Elevated reporting limits (RLs) are provided.

Method 8081B: The following samples were diluted due to the nature of the sample matrix: SS-12-0002 (480-186319-15[MS]) and SS-12-0002 (480-186319-15[MSD]). As such, surrogate and spike recoveries are below the calibration range, estimated, and not representative. Elevated reporting limits (RLs) are provided.

Method 8081B: The continuing calibration verification (CCV) associated with batch 480-587348 recovered above the upper control limit for Tetrachloro-m-xylene. The recovery of the secondary surrogate is within quality control criteria: SS-14-0002 (480-186319-17), SS-14-0212 (480-186319-18) and SS-15-0212 (480-186319-20).

Method 8081B: The %RPD between the primary and confirmation column exceeded 40% for Dieldrin and trans-Chlordane for the following sample: SS-03-0212 (480-186319-8). The lower value has been reported and qualified in accordance with the laboratory's SOP.

Method 8081B: The %RPD between the primary and confirmation column exceeded 40% for 4,4'-DDE, Dieldrin, Endosulfan II, Heptachlor epoxide for the following sample: SS-11-0212 (480-186319-14). The lower value has been reported and qualified in accordance with the laboratory's SOP.

Method 8081B: The %RPD between the primary and confirmation column exceeded 40% for 4,4'-DDT for the following sample: SS-12-0212 (480-186319-16). The lower value has been reported and qualified in accordance with the laboratory's SOP.

Method 8081B: The %RPD between the primary and confirmation column exceeded 40% for trans-Chlordane for the following sample: SS-15-0212 (480-186319-20). The lower value has been reported and qualified in accordance with the laboratory's SOP.

Method 8081B: For method 8081 Pesticides, peaks present in the sample extracts are possible biphenyls indicating the presence of Aroclors. The results of several confirmed positive peaks may be enhanced and due to the biphenyl peaks present, and may be considered estimated for: SS-62-0212 (480-186319-2), SS-01-0002 (480-186319-3), SS-01-0212 (480-186319-4), SS-03-0002 (480-186319-7), SS-03-0212 (480-186319-8), SS-11-0212 (480-186319-14), SS-12-0002 (480-186319-15), SS-12-0212 (480-186319-16) and SS-14-0212 (480-186319-18).

Method 8081B: For method 8081, the recovery of the one surrogate in samples SS-01-0002 (480-186319-3), SS-02-0002 (480-186319-5) and SS-11-0212 (480-186319-14) exceeds quality control limits due to the sample matrix. The recovery of the secondary surrogate is within quality control criteria; no corrective action is required.

Method 8081B: The %RPD between the primary and confirmation column exceeded 40% for 4,4'-DDE, beta-BHC, Dieldrin, Aldrin, Endrin and Heptachlor epoxide for the following sample: SS-11-0002 (480-186319-13). The lower value has been reported and qualified in accordance with the laboratory's SOP.

Method 8081B: Surrogate recovery for the following sample was outside control limits: SS-11-0002 (480-186319-13). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8081B: The following samples were diluted due to the nature of the sample matrix: SS-16-0212 (480-186319-22), SS-17-0212 (480-186319-24), SS-18-0002 (480-186319-25), SS-18-0212 (480-186319-26), SS-19-0002 (480-186319-27), SS-19-0212 (480-186319-28), SS-20-0212 (480-186319-30), SS-21-0002 (480-186319-31), SS-21-0002 (480-186319-31[MS]), SS-21-0002 (480-186319-31[MSD]), SS-21-0212 (480-186319-32), SS-24-0212 (480-186319-38), SS-25-0002 (480-186319-39) and SS-25-0212 (480-186319-40). As such, surrogate recoveries are below the calibration range, estimated, and not representative. Elevated reporting limits (RLs) are provided.

Method 8081B: The following samples were diluted due to the nature of the sample matrix: SS-21-0002 (480-186319-31[MS]) and SS-21-0002 (480-186319-31[MSD]). As such, spike recoveries are below the calibration range, estimated, and not representative.

# Case Narrative

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

## Job ID: 480-186319-1 (Continued)

### Laboratory: Eurofins TestAmerica, Buffalo (Continued)

Elevated reporting limits (RLs) are provided.

Method 8081B: For method 8081 Pesticides, peaks present in the sample extracts are possible biphenyls indicating the presence of Aroclors. The results of several confirmed positive peaks may be enhanced and due to the biphenyl peaks present, and may be considered estimated for: SS-16-0002 (480-186319-21), SS-16-0212 (480-186319-22), SS-17-0002 (480-186319-23), SS-18-0002 (480-186319-25), SS-18-0212 (480-186319-26), SS-19-0212 (480-186319-28), SS-20-0002 (480-186319-29), SS-22-0002 (480-186319-33), SS-23-0002 (480-186319-35) and SS-23-0212 (480-186319-36)

Method 8081B: For method 8081, the recovery of the one surrogate in samples SS-24-0002 (480-186319-37) exceeds quality control limits due to the sample matrix. The recovery of the secondary surrogate is within quality control criteria; no corrective action is required.

Method 8081B: The %RPD between the primary and confirmation column exceeded 40% for Methoxychlor for the following sample: SS-24-0002 (480-186319-37). The lower has been reported and qualified in accordance with the laboratory's SOP.

Method 8081B: The %RPD between the primary and confirmation column exceeded 40% for Dieldrin for the following samples: SS-16-0212 (480-186319-22) and SS-17-0002 (480-186319-23). The lower has been reported and qualified in accordance with the laboratory's SOP.

Method 8081B: The %RPD between the primary and confirmation column exceeded 40% for 4,4'-DDT for the following samples: SS-18-0212 (480-186319-26) and SS-19-0212 (480-186319-28). The lower has been reported and qualified in accordance with the laboratory's SOP.

Method 8081B: The %RPD between the primary and confirmation column exceeded 40% for Endrin aldehyde for the following sample: SS-19-0002 (480-186319-27). The lower has been reported and qualified in accordance with the laboratory's SOP.

Method 8081B: The %RPD between the primary and confirmation column exceeded 40% for 4,4'-DDE and Dieldrin for the following sample: SS-16-0002 (480-186319-21). The lower value(s) has been reported and qualified in accordance with the laboratory's SOP.

Method 8082A: The continuing calibration verification (CCV) associated with batch 480-587147 recovered above the upper control limit for PCB-1221. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: SS-64-0002 (480-186319-1), SS-62-0212 (480-186319-2), SS-01-0002 (480-186319-3), SS-01-0212 (480-186319-4), SS-02-0002 (480-186319-5), SS-02-0212 (480-186319-6), SS-03-0002 (480-186319-7), SS-03-0212 (480-186319-8), SS-09-0002 (480-186319-9), SS-09-0212 (480-186319-10), SS-10-0002 (480-186319-11) and SS-10-0212 (480-186319-12).

Method 8082A: Surrogate recovery for the following samples were outside the upper control limit: SS-03-0212 (480-186319-8), SS-09-0002 (480-186319-9), SS-09-0212 (480-186319-10) and SS-10-0002 (480-186319-11). This sample did not contain any target analytes; therefore, re-extraction and/or re-analysis was not performed.

Method 8082A: The following samples are associated with a continuing calibration verification (CCV 480-587439/76) that had recoveries for the surrogate Tetrachloro-m-xylene that were above acceptance limits: SS-14-0212 (480-186319-18), SS-15-0002 (480-186319-19), SS-15-0212 (480-186319-20), SS-16-0002 (480-186319-21), SS-16-0212 (480-186319-22), SS-17-0002 (480-186319-23), SS-17-0212 (480-186319-24), SS-18-0002 (480-186319-25), SS-18-0212 (480-186319-26), SS-19-0002 (480-186319-27), SS-19-0212 (480-186319-28), SS-20-0002 (480-186319-29), SS-20-0212 (480-186319-30), SS-21-0212 (480-186319-32), SS-22-0002 (480-186319-33), SS-22-0212 (480-186319-34), SS-23-0002 (480-186319-35), SS-23-0212 (480-186319-36), SS-24-0002 (480-186319-37), SS-24-0212 (480-186319-38), SS-25-0002

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

### Metals

Method 6010C: The interference check standard solution (ICSA) associated with the following samples showed results for Barium at a level greater than 2 times the limit of detection (LOD). It is believed that the solution contains trace impurities of this element / these elements and the results are not due to matrix interference. These results are consistent with those found by the manufacturer of the ICSA solution. SS-16-0212 (480-186319-22), SS-17-0002 (480-186319-23), SS-17-0212 (480-186319-24), SS-18-0002 (480-186319-25), SS-18-0212 (480-186319-26), SS-19-0002 (480-186319-27), SS-19-0212 (480-186319-28), SS-20-0002 (480-186319-29), SS-20-0212 (480-186319-30), SS-21-0212 (480-186319-32), SS-22-0002 (480-186319-33), SS-22-0212 (480-186319-34), SS-23-0002 (480-186319-35), SS-23-0212 (480-186319-36), SS-24-0002 (480-186319-37), SS-24-0212 (480-186319-38), SS-25-0002



# Case Narrative

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

## Job ID: 480-186319-1 (Continued)

### Laboratory: Eurofins TestAmerica, Buffalo (Continued)

(480-186319-39) and SS-25-0212 (480-186319-40)

Method 6010C: The low level continuing calibration verification (CCVL 480-587200/19) recovered above the upper control limit for Total Iron. 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 SS-16-0212 (480-186319-22), SS-17-0002 (480-186319-23), SS-17-0212 (480-186319-24), SS-18-0002 (480-186319-25), SS-18-0212 (480-186319-26), SS-19-0002 (480-186319-27), SS-19-0212 (480-186319-28), SS-20-0002 (480-186319-29) and SS-20-0212 (480-186319-30) was not performed.

Method 6010C: The low level continuing calibration verification (CCVL 480-587200/31) recovered above the upper control limit for Total Iron. 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 SS-16-0212 (480-186319-22), SS-17-0002 (480-186319-23), SS-17-0212 (480-186319-24), SS-18-0002 (480-186319-25), SS-18-0212 (480-186319-26), SS-19-0002 (480-186319-27), SS-19-0212 (480-186319-28), SS-20-0002 (480-186319-29), SS-20-0212 (480-186319-30), SS-21-0212 (480-186319-32), SS-22-0002 (480-186319-33), SS-22-0212 (480-186319-34), SS-23-0002 (480-186319-35), SS-23-0212 (480-186319-36), SS-24-0002 (480-186319-37), SS-24-0212 (480-186319-38), SS-25-0002 (480-186319-39) and SS-25-0212 (480-186319-40) was not performed.

Method 6010C: The interference check standard solution (ICSA) associated with the following samples showed results for Barium at a level greater than 2 times the limit of detection (LOD). It is believed that the solution contains trace impurities of this element / these elements and the results are not due to matrix interference. These results are consistent with those found by the manufacturer of the ICSA solution. SS-21-0002 (480-186319-31), SS-21-0002 (480-186319-31[MS]), SS-21-0002 (480-186319-31[MSD]), (LCSSRM 480-586814/2-A), (MB 480-586814/1-A), (480-186319-A-31-A PDS) and (480-186319-A-31-A SD ^5)

Method 6010C: The low level continuing calibration verification (CCVL 480-587052/28) recovered above the upper control limit for Total Iron. 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 SS-21-0002 (480-186319-31), SS-21-0002 (480-186319-31[MS]), SS-21-0002 (480-186319-31[MSD]), (LCSSRM 480-586814/2-A), (MB 480-586814/1-A), (480-186319-A-31-A PDS) and (480-186319-A-31-A SD ^5) was not performed.

Method 6010C: The serial dilution (480-186319-A-31-A SD ^5) associated with batch 480-587052, exhibited results outside the quality control limits for Total Barium and Cadmium. However, the post digestion spike (PDS) was compliant, therefore no corrective action was necessary.

Method 6010C: The recovery of post spike, (480-186319-A-31-A PDS), associated with batch 480-587052, exhibited results outside quality control limits for Total Calcium, Manganese, and Zinc. However, the serial dilution (SD) of this sample was compliant, therefore no corrective action was necessary.

Method 6010C: The method blank for preparation batch 480-586814 and analytical batch 480-587052 contained Total Manganese above the reporting limit (RL). Associated sample SS-21-0002 (480-186319-31) was not re-extracted and/or re-analyzed because results were greater than 10X the value found in the method blank.

Method 6010C: The method blank for preparation batch 480-586814 and analytical batch 480-587200 contained Total Manganese above the reporting limit (RL). Associated samples SS-16-0212 (480-186319-22), SS-17-0002 (480-186319-23), SS-17-0212 (480-186319-24), SS-18-0002 (480-186319-25), SS-18-0212 (480-186319-26), SS-19-0002 (480-186319-27), SS-19-0212 (480-186319-28), SS-20-0002 (480-186319-29), SS-20-0212 (480-186319-30), SS-21-0212 (480-186319-32), SS-22-0002 (480-186319-33), SS-22-0212 (480-186319-34), SS-23-0002 (480-186319-35), SS-23-0212 (480-186319-36), SS-24-0002 (480-186319-37), SS-24-0212 (480-186319-38), SS-25-0002 (480-186319-39) and SS-25-0212 (480-186319-40) were not re-extracted and/or re-analyzed because results were greater than 10X the value found in the method blank.

Method 6010C: The interference check standard solution (ICSA) associated with the following samples showed results for Barium at a level greater than 2 times the limit of detection (LOD). It is believed that the solution contains trace impurities of this element / these elements and the results are not due to matrix interference. These results are consistent with those found by the manufacturer of the ICSA solution. SS-64-0002 (480-186319-1), SS-62-0212 (480-186319-2), SS-01-0002 (480-186319-3), SS-01-0212 (480-186319-4), SS-02-0212 (480-186319-6), SS-03-0002 (480-186319-7), SS-03-0212 (480-186319-8), SS-09-0002 (480-186319-9), SS-09-0212 (480-186319-10), SS-10-0002 (480-186319-11), SS-10-0212 (480-186319-12), SS-11-0002 (480-186319-13), SS-11-0212

# Case Narrative

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

## Job ID: 480-186319-1 (Continued)

### Laboratory: Eurofins TestAmerica, Buffalo (Continued)

(480-186319-14), SS-12-0002 (480-186319-15), SS-12-0002 (480-186319-15[MS]), SS-12-0002 (480-186319-15[MSD]), SS-12-0212 (480-186319-16), SS-14-0002 (480-186319-17), SS-14-0212 (480-186319-18), SS-15-0002 (480-186319-19), SS-15-0212 (480-186319-20), SS-16-0002 (480-186319-21), (LCSSRM 480-586594/2-A), (MB 480-586594/1-A), (480-186319-A-15-A PDS) and (480-186319-A-15-A SD ^5)

Method 6010C: The method blank for preparation batch 480-586594 and analytical batch 480-586985 contained Total Potassium above the reporting limit (RL). Associated samples SS-64-0002 (480-186319-1), SS-62-0212 (480-186319-2), SS-01-0002 (480-186319-3), SS-01-0212 (480-186319-4), SS-02-0212 (480-186319-6), SS-03-0002 (480-186319-7), SS-03-0212 (480-186319-8), SS-09-0002 (480-186319-9), SS-09-0212 (480-186319-10), SS-10-0002 (480-186319-11), SS-10-0212 (480-186319-12), SS-11-0002 (480-186319-13), SS-11-0212 (480-186319-14), SS-12-0002 (480-186319-15), SS-12-0212 (480-186319-16), SS-14-0002 (480-186319-17), SS-14-0212 (480-186319-18), SS-15-0002 (480-186319-19), SS-15-0212 (480-186319-20) and SS-16-0002 (480-186319-21) were not re-extracted and/or re-analyzed because results were greater than 10X the value found in the method blank.

Method 6010C: The serial dilution and post spike (480-186319-A-15-A PDS) and (480-186319-A-15-A SD ^5), associated with batch 480-586594, exceeded the quality control limits for Total Barium. Sample matrix is suspected, therefore, no corrective action was necessary.

Method 6010C: The recovery of post spike, (480-186319-A-15-A PDS), associated with batch 480-586985, exhibited results outside quality control limits for Total Aluminum, Calcium, Iron, Manganese, and Zinc. However, the serial dilution (SD) of this sample was compliant, therefore no corrective action was necessary.

Method 6010C: The following sample was diluted due to the presence of Total Iron which interferes with Cadmium, Chromium, Manganese, Nickel, Lead, Antimony, and Vanadium: SS-62-0212 (480-186319-2). 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.

### Organic Prep

Method 3550C: The following samples required a Florisil clean-up, via EPA Method 3620C, to reduce matrix interferences: SS-64-0002 (480-186319-1), SS-62-0212 (480-186319-2), SS-01-0002 (480-186319-3), SS-01-0212 (480-186319-4), SS-02-0002 (480-186319-5), SS-02-0212 (480-186319-6), SS-03-0002 (480-186319-7), SS-03-0212 (480-186319-8), SS-09-0002 (480-186319-9), SS-09-0212 (480-186319-10), SS-10-0002 (480-186319-11), SS-10-0212 (480-186319-12), SS-11-0002 (480-186319-13), SS-11-0212 (480-186319-14), SS-12-0002 (480-186319-15), SS-12-0002 (480-186319-15[MS]), SS-12-0002 (480-186319-15[MSD]), SS-12-0212 (480-186319-16), SS-14-0002 (480-186319-17), SS-14-0212 (480-186319-18), SS-15-0002 (480-186319-19) and SS-15-0212 (480-186319-20).

Method 3550C: The following samples required a Florisil clean-up, via 3620C, to reduce matrix interferences: SS-16-0002 (480-186319-21), SS-16-0212 (480-186319-22), SS-17-0002 (480-186319-23), SS-17-0212 (480-186319-24), SS-18-0002 (480-186319-25), SS-18-0212 (480-186319-26), SS-19-0002 (480-186319-27), SS-19-0212 (480-186319-28), SS-20-0212 (480-186319-30), SS-21-0002 (480-186319-31), SS-21-0002 (480-186319-31[MS]), SS-21-0002 (480-186319-31[MSD]), SS-21-0212 (480-186319-32), SS-24-0002 (480-186319-37), SS-24-0212 (480-186319-38), SS-25-0002 (480-186319-39) and SS-25-0212 (480-186319-40).

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

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

Client Sample ID: SS-64-0002

Lab Sample ID: 480-186319-1

Date Collected: 06/21/21 07:40

Matrix: Solid

Date Received: 06/21/21 16:14

Percent Solids: 60.4

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

| Analyte                       | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|--------|-----------|------|------|-------|---|----------------|----------------|---------|
| 2,4,5-Trichlorophenol         | ND     |           | 280  | 75   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 19:49 | 1       |
| 2,4,6-Trichlorophenol         | ND     |           | 280  | 55   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 19:49 | 1       |
| 2,4-Dichlorophenol            | ND     |           | 280  | 29   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 19:49 | 1       |
| 2,4-Dimethylphenol            | ND     |           | 280  | 66   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 19:49 | 1       |
| 2,4-Dinitrophenol             | ND     |           | 2700 | 1300 | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 19:49 | 1       |
| 2,4-Dinitrotoluene            | ND     |           | 280  | 57   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 19:49 | 1       |
| 2,6-Dinitrotoluene            | ND     |           | 280  | 32   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 19:49 | 1       |
| 2-Chloronaphthalene           | ND     |           | 280  | 45   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 19:49 | 1       |
| 2-Chlorophenol                | ND     |           | 530  | 50   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 19:49 | 1       |
| 2-Methylnaphthalene           | ND     |           | 280  | 55   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 19:49 | 1       |
| 2-Methylphenol                | ND     |           | 280  | 32   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 19:49 | 1       |
| 2-Nitroaniline                | ND     |           | 530  | 40   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 19:49 | 1       |
| 2-Nitrophenol                 | ND     |           | 280  | 78   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 19:49 | 1       |
| 3,3'-Dichlorobenzidine        | ND     |           | 530  | 320  | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 19:49 | 1       |
| 3-Nitroaniline                | ND     |           | 530  | 76   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 19:49 | 1       |
| 4,6-Dinitro-2-methylphenol    | ND     |           | 530  | 280  | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 19:49 | 1       |
| 4-Bromophenyl phenyl ether    | ND     |           | 280  | 39   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 19:49 | 1       |
| 4-Chloro-3-methylphenol       | ND     |           | 280  | 68   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 19:49 | 1       |
| 4-Chloroaniline               | ND     |           | 280  | 68   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 19:49 | 1       |
| 4-Chlorophenyl phenyl ether   | ND     |           | 280  | 34   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 19:49 | 1       |
| 4-Methylphenol                | ND     |           | 530  | 32   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 19:49 | 1       |
| 4-Nitroaniline                | ND     |           | 530  | 140  | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 19:49 | 1       |
| 4-Nitrophenol                 | ND     |           | 530  | 190  | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 19:49 | 1       |
| Acenaphthene                  | ND     |           | 280  | 40   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 19:49 | 1       |
| Acenaphthylene                | ND     |           | 280  | 36   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 19:49 | 1       |
| Acetophenone                  | ND     |           | 280  | 37   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 19:49 | 1       |
| Anthracene                    | ND     |           | 280  | 68   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 19:49 | 1       |
| Atrazine                      | ND     |           | 280  | 96   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 19:49 | 1       |
| Benzaldehyde                  | ND     |           | 280  | 220  | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 19:49 | 1       |
| Benzo(a)anthracene            | ND     |           | 280  | 28   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 19:49 | 1       |
| Benzo(a)pyrene                | ND     |           | 280  | 40   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 19:49 | 1       |
| Benzo(b)fluoranthene          | ND     |           | 280  | 44   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 19:49 | 1       |
| Benzo(g,h,i)perylene          | ND     |           | 280  | 29   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 19:49 | 1       |
| Benzo(k)fluoranthene          | ND     |           | 280  | 36   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 19:49 | 1       |
| Benzoic acid                  | ND     |           | 7800 | 2400 | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 19:49 | 1       |
| Biphenyl                      | ND     |           | 280  | 40   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 19:49 | 1       |
| bis (2-chloroisopropyl) ether | ND     |           | 280  | 55   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 19:49 | 1       |
| Bis(2-chloroethoxy)methane    | ND     |           | 280  | 58   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 19:49 | 1       |
| Bis(2-chloroethyl)ether       | ND     |           | 280  | 36   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 19:49 | 1       |
| Bis(2-ethylhexyl) phthalate   | ND     |           | 280  | 94   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 19:49 | 1       |
| Butyl benzyl phthalate        | ND     |           | 280  | 45   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 19:49 | 1       |
| Caprolactam                   | ND     |           | 280  | 83   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 19:49 | 1       |
| Carbazole                     | ND     |           | 280  | 32   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 19:49 | 1       |
| Chrysene                      | ND     |           | 280  | 62   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 19:49 | 1       |
| Dibenz(a,h)anthracene         | ND     |           | 280  | 49   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 19:49 | 1       |
| Dibenzofuran                  | ND     |           | 280  | 32   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 19:49 | 1       |
| Diethyl phthalate             | ND     |           | 280  | 36   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 19:49 | 1       |
| Dimethyl phthalate            | ND     |           | 280  | 32   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 19:49 | 1       |
| Di-n-butyl phthalate          | 130    | J B       | 280  | 47   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 19:49 | 1       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

Client Sample ID: SS-64-0002

Lab Sample ID: 480-186319-1

Date Collected: 06/21/21 07:40

Matrix: Solid

Date Received: 06/21/21 16:14

Percent Solids: 60.4

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

| Analyte                   | Result    | Qualifier | RL  | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------------|-----------|-----------|-----|-----|-------|---|----------------|----------------|---------|
| Di-n-octyl phthalate      | ND        |           | 280 | 32  | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 19:49 | 1       |
| <b>Fluoranthene</b>       | <b>41</b> | <b>J</b>  | 280 | 29  | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 19:49 | 1       |
| Fluorene                  | ND        |           | 280 | 32  | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 19:49 | 1       |
| Hexachlorobenzene         | ND        |           | 280 | 37  | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 19:49 | 1       |
| Hexachlorobutadiene       | ND        |           | 280 | 40  | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 19:49 | 1       |
| Hexachlorocyclopentadiene | ND        |           | 280 | 37  | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 19:49 | 1       |
| Hexachloroethane          | ND        |           | 280 | 36  | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 19:49 | 1       |
| Indeno(1,2,3-cd)pyrene    | ND        |           | 280 | 34  | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 19:49 | 1       |
| Isophorone                | ND        |           | 280 | 58  | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 19:49 | 1       |
| Naphthalene               | ND        |           | 280 | 36  | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 19:49 | 1       |
| Nitrobenzene              | ND        |           | 280 | 31  | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 19:49 | 1       |
| N-Nitrosodi-n-propylamine | ND        |           | 280 | 47  | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 19:49 | 1       |
| N-Nitrosodiphenylamine    | ND        |           | 280 | 220 | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 19:49 | 1       |
| Pentachlorophenol         | ND        |           | 530 | 280 | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 19:49 | 1       |
| Phenanthrene              | ND        |           | 280 | 40  | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 19:49 | 1       |
| Phenol                    | ND        |           | 280 | 42  | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 19:49 | 1       |
| <b>Pyrene</b>             | <b>32</b> | <b>J</b>  | 280 | 32  | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 19:49 | 1       |

| Surrogate            | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 2,4,6-Tribromophenol | 23        | S1-       | 54 - 120 | 06/28/21 15:04 | 06/30/21 19:49 | 1       |
| 2-Fluorobiphenyl     | 79        |           | 60 - 120 | 06/28/21 15:04 | 06/30/21 19:49 | 1       |
| 2-Fluorophenol       | 54        |           | 52 - 120 | 06/28/21 15:04 | 06/30/21 19:49 | 1       |
| Nitrobenzene-d5      | 83        |           | 53 - 120 | 06/28/21 15:04 | 06/30/21 19:49 | 1       |
| p-Terphenyl-d14      | 89        |           | 79 - 130 | 06/28/21 15:04 | 06/30/21 19:49 | 1       |
| Phenol-d5            | 64        |           | 54 - 120 | 06/28/21 15:04 | 06/30/21 19:49 | 1       |

## Method: 8081B - Organochlorine Pesticides (GC)

| Analyte                    | Result      | Qualifier  | RL  | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------------------------|-------------|------------|-----|------|-------|---|----------------|----------------|---------|
| 4,4'-DDD                   | ND          |            | 2.7 | 0.53 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 15:27 | 1       |
| <b>4,4'-DDE</b>            | <b>1.1</b>  | <b>J</b>   | 2.7 | 0.57 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 15:27 | 1       |
| <b>4,4'-DDT</b>            | <b>2.3</b>  | <b>J</b>   | 2.7 | 0.64 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 15:27 | 1       |
| Aldrin                     | ND          |            | 2.7 | 0.67 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 15:27 | 1       |
| alpha-BHC                  | ND          |            | 2.7 | 0.49 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 15:27 | 1       |
| beta-BHC                   | ND          |            | 2.7 | 0.49 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 15:27 | 1       |
| cis-Chlordane              | ND          |            | 2.7 | 1.4  | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 15:27 | 1       |
| <b>delta-BHC</b>           | <b>0.86</b> | <b>J B</b> | 2.7 | 0.51 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 15:27 | 1       |
| Dieldrin                   | ND          |            | 2.7 | 0.65 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 15:27 | 1       |
| Endosulfan I               | ND          |            | 2.7 | 0.52 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 15:27 | 1       |
| Endosulfan II              | ND          |            | 2.7 | 0.49 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 15:27 | 1       |
| Endosulfan sulfate         | ND          |            | 2.7 | 0.51 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 15:27 | 1       |
| Endrin                     | ND          |            | 2.7 | 0.54 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 15:27 | 1       |
| <b>Endrin aldehyde</b>     | <b>1.9</b>  | <b>J B</b> | 2.7 | 0.69 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 15:27 | 1       |
| Endrin ketone              | ND          |            | 2.7 | 0.67 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 15:27 | 1       |
| <b>gamma-BHC (Lindane)</b> | <b>0.78</b> | <b>J B</b> | 2.7 | 0.50 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 15:27 | 1       |
| Heptachlor                 | ND          |            | 2.7 | 0.59 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 15:27 | 1       |
| Heptachlor epoxide         | ND          |            | 2.7 | 0.70 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 15:27 | 1       |
| <b>Methoxychlor</b>        | <b>2.8</b>  |            | 2.7 | 0.55 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 15:27 | 1       |
| Mirex                      | ND          |            | 2.7 | 0.67 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 15:27 | 1       |
| Toxaphene                  | ND          |            | 27  | 16   | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 15:27 | 1       |
| trans-Chlordane            | ND          |            | 2.7 | 0.86 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 15:27 | 1       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

**Client Sample ID: SS-64-0002**

**Lab Sample ID: 480-186319-1**

**Date Collected: 06/21/21 07:40**

**Matrix: Solid**

**Date Received: 06/21/21 16:14**

**Percent Solids: 60.4**

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| DCB Decachlorobiphenyl | 99        |           | 45 - 120 | 06/28/21 07:45 | 06/29/21 15:27 | 1       |
| DCB Decachlorobiphenyl | 112       |           | 45 - 120 | 06/28/21 07:45 | 06/29/21 15:27 | 1       |
| Tetrachloro-m-xylene   | 96        |           | 30 - 124 | 06/28/21 07:45 | 06/29/21 15:27 | 1       |
| Tetrachloro-m-xylene   | 72        |           | 30 - 124 | 06/28/21 07:45 | 06/29/21 15:27 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| PCB-1016 | ND     |           | 0.41 | 0.080 | mg/Kg | ☆ | 06/26/21 11:52 | 06/28/21 02:35 | 1       |
| PCB-1221 | ND     |           | 0.41 | 0.080 | mg/Kg | ☆ | 06/26/21 11:52 | 06/28/21 02:35 | 1       |
| PCB-1232 | ND     |           | 0.41 | 0.080 | mg/Kg | ☆ | 06/26/21 11:52 | 06/28/21 02:35 | 1       |
| PCB-1242 | ND     |           | 0.41 | 0.080 | mg/Kg | ☆ | 06/26/21 11:52 | 06/28/21 02:35 | 1       |
| PCB-1248 | ND     |           | 0.41 | 0.080 | mg/Kg | ☆ | 06/26/21 11:52 | 06/28/21 02:35 | 1       |
| PCB-1254 | ND     |           | 0.41 | 0.19  | mg/Kg | ☆ | 06/26/21 11:52 | 06/28/21 02:35 | 1       |
| PCB-1260 | ND     |           | 0.41 | 0.19  | mg/Kg | ☆ | 06/26/21 11:52 | 06/28/21 02:35 | 1       |
| PCB-1262 | ND     |           | 0.41 | 0.19  | mg/Kg | ☆ | 06/26/21 11:52 | 06/28/21 02:35 | 1       |
| PCB-1268 | ND     |           | 0.41 | 0.19  | mg/Kg | ☆ | 06/26/21 11:52 | 06/28/21 02:35 | 1       |

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| Tetrachloro-m-xylene   | 149       |           | 60 - 154 | 06/26/21 11:52 | 06/28/21 02:35 | 1       |
| Tetrachloro-m-xylene   | 149       |           | 60 - 154 | 06/26/21 11:52 | 06/28/21 02:35 | 1       |
| DCB Decachlorobiphenyl | 139       |           | 65 - 174 | 06/26/21 11:52 | 06/28/21 02:35 | 1       |
| DCB Decachlorobiphenyl | 102       |           | 65 - 174 | 06/26/21 11:52 | 06/28/21 02:35 | 1       |

## Method: 6010C - Metals (ICP)

| Analyte          | Result       | Qualifier  | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|------------------|--------------|------------|------|-------|-------|---|----------------|----------------|---------|
| <b>Aluminum</b>  | <b>22500</b> |            | 15.8 | 6.9   | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 00:15 | 1       |
| Antimony         | ND           |            | 23.7 | 0.63  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 00:15 | 1       |
| <b>Arsenic</b>   | <b>4.1</b>   |            | 3.2  | 0.63  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 00:15 | 1       |
| <b>Barium</b>    | <b>121</b>   | <b>^6+</b> | 0.79 | 0.17  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 00:15 | 1       |
| <b>Beryllium</b> | <b>1.0</b>   |            | 0.32 | 0.044 | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 00:15 | 1       |
| <b>Cadmium</b>   | <b>0.52</b>  |            | 0.32 | 0.047 | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 00:15 | 1       |
| <b>Calcium</b>   | <b>23000</b> | <b>B</b>   | 78.9 | 5.2   | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 00:15 | 1       |
| <b>Chromium</b>  | <b>31.1</b>  |            | 0.79 | 0.32  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 00:15 | 1       |
| <b>Cobalt</b>    | <b>13.4</b>  |            | 0.79 | 0.079 | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 00:15 | 1       |
| <b>Copper</b>    | <b>29.3</b>  |            | 1.6  | 0.33  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 00:15 | 1       |
| <b>Iron</b>      | <b>27700</b> |            | 15.8 | 5.5   | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 00:15 | 1       |
| <b>Lead</b>      | <b>30.7</b>  |            | 1.6  | 0.38  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 00:15 | 1       |
| <b>Magnesium</b> | <b>11300</b> | <b>B</b>   | 31.6 | 1.5   | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 00:15 | 1       |
| <b>Manganese</b> | <b>494</b>   | <b>B</b>   | 0.32 | 0.050 | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 00:15 | 1       |
| <b>Nickel</b>    | <b>34.0</b>  |            | 7.9  | 0.36  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 00:15 | 1       |
| <b>Potassium</b> | <b>6190</b>  | <b>B</b>   | 47.3 | 31.6  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 00:15 | 1       |
| Selenium         | ND           |            | 6.3  | 0.63  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 00:15 | 1       |
| Silver           | ND           |            | 0.95 | 0.32  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 00:15 | 1       |
| <b>Sodium</b>    | <b>243</b>   | <b>B</b>   | 221  | 20.5  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 00:15 | 1       |
| Thallium         | ND           |            | 9.5  | 0.47  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 00:15 | 1       |
| <b>Vanadium</b>  | <b>45.8</b>  |            | 0.79 | 0.17  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 00:15 | 1       |
| <b>Zinc</b>      | <b>128</b>   |            | 3.2  | 1.0   | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 00:15 | 1       |

## Method: 7471B - Mercury (CVAA)

| Analyte        | Result       | Qualifier | RL    | MDL    | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------------|--------------|-----------|-------|--------|-------|---|----------------|----------------|---------|
| <b>Mercury</b> | <b>0.087</b> |           | 0.036 | 0.0083 | mg/Kg | ☆ | 06/23/21 16:00 | 06/23/21 18:36 | 1       |

Eurofins TestAmerica, Buffalo



# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

Client Sample ID: SS-62-0212

Lab Sample ID: 480-186319-2

Date Collected: 06/21/21 11:25

Matrix: Solid

Date Received: 06/21/21 16:14

Percent Solids: 94.6

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

| Analyte                       | Result      | Qualifier  | RL   | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|-------------|------------|------|------|-------|---|----------------|----------------|---------|
| 2,4,5-Trichlorophenol         | ND          |            | 170  | 47   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 20:12 | 1       |
| 2,4,6-Trichlorophenol         | ND          |            | 170  | 35   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 20:12 | 1       |
| 2,4-Dichlorophenol            | ND          |            | 170  | 18   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 20:12 | 1       |
| 2,4-Dimethylphenol            | ND          |            | 170  | 42   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 20:12 | 1       |
| 2,4-Dinitrophenol             | ND          |            | 1700 | 800  | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 20:12 | 1       |
| 2,4-Dinitrotoluene            | ND          |            | 170  | 36   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 20:12 | 1       |
| 2,6-Dinitrotoluene            | ND          |            | 170  | 20   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 20:12 | 1       |
| 2-Chloronaphthalene           | ND          |            | 170  | 29   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 20:12 | 1       |
| 2-Chlorophenol                | ND          |            | 340  | 32   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 20:12 | 1       |
| <b>2-Methylnaphthalene</b>    | <b>39</b>   | <b>J</b>   | 170  | 35   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 20:12 | 1       |
| 2-Methylphenol                | ND          |            | 170  | 20   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 20:12 | 1       |
| 2-Nitroaniline                | ND          |            | 340  | 26   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 20:12 | 1       |
| 2-Nitrophenol                 | ND          |            | 170  | 49   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 20:12 | 1       |
| 3,3'-Dichlorobenzidine        | ND          |            | 340  | 200  | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 20:12 | 1       |
| 3-Nitroaniline                | ND          |            | 340  | 48   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 20:12 | 1       |
| 4,6-Dinitro-2-methylphenol    | ND          |            | 340  | 170  | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 20:12 | 1       |
| 4-Bromophenyl phenyl ether    | ND          |            | 170  | 25   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 20:12 | 1       |
| 4-Chloro-3-methylphenol       | ND          |            | 170  | 43   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 20:12 | 1       |
| 4-Chloroaniline               | ND          |            | 170  | 43   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 20:12 | 1       |
| 4-Chlorophenyl phenyl ether   | ND          |            | 170  | 22   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 20:12 | 1       |
| 4-Methylphenol                | ND          |            | 340  | 20   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 20:12 | 1       |
| 4-Nitroaniline                | ND          |            | 340  | 91   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 20:12 | 1       |
| 4-Nitrophenol                 | ND          |            | 340  | 120  | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 20:12 | 1       |
| <b>Acenaphthene</b>           | <b>190</b>  |            | 170  | 26   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 20:12 | 1       |
| Acenaphthylene                | ND          |            | 170  | 23   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 20:12 | 1       |
| Acetophenone                  | ND          |            | 170  | 24   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 20:12 | 1       |
| <b>Anthracene</b>             | <b>250</b>  |            | 170  | 43   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 20:12 | 1       |
| Atrazine                      | ND          |            | 170  | 60   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 20:12 | 1       |
| Benzaldehyde                  | ND          |            | 170  | 140  | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 20:12 | 1       |
| <b>Benzo(a)anthracene</b>     | <b>1100</b> |            | 170  | 17   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 20:12 | 1       |
| <b>Benzo(a)pyrene</b>         | <b>1200</b> |            | 170  | 26   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 20:12 | 1       |
| <b>Benzo(b)fluoranthene</b>   | <b>1500</b> |            | 170  | 28   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 20:12 | 1       |
| <b>Benzo(g,h,i)perylene</b>   | <b>760</b>  |            | 170  | 18   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 20:12 | 1       |
| <b>Benzo(k)fluoranthene</b>   | <b>640</b>  |            | 170  | 23   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 20:12 | 1       |
| Benzoic acid                  | ND          |            | 4900 | 1500 | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 20:12 | 1       |
| Biphenyl                      | ND          |            | 170  | 26   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 20:12 | 1       |
| bis (2-chloroisopropyl) ether | ND          |            | 170  | 35   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 20:12 | 1       |
| Bis(2-chloroethoxy)methane    | ND          |            | 170  | 37   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 20:12 | 1       |
| Bis(2-chloroethyl)ether       | ND          |            | 170  | 23   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 20:12 | 1       |
| Bis(2-ethylhexyl) phthalate   | ND          |            | 170  | 59   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 20:12 | 1       |
| Butyl benzyl phthalate        | ND          |            | 170  | 29   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 20:12 | 1       |
| Caprolactam                   | ND          |            | 170  | 52   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 20:12 | 1       |
| <b>Carbazole</b>              | <b>190</b>  |            | 170  | 20   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 20:12 | 1       |
| <b>Chrysene</b>               | <b>1200</b> |            | 170  | 39   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 20:12 | 1       |
| <b>Dibenz(a,h)anthracene</b>  | <b>240</b>  |            | 170  | 31   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 20:12 | 1       |
| <b>Dibenzofuran</b>           | <b>61</b>   | <b>J</b>   | 170  | 20   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 20:12 | 1       |
| Diethyl phthalate             | ND          |            | 170  | 23   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 20:12 | 1       |
| Dimethyl phthalate            | ND          |            | 170  | 20   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 20:12 | 1       |
| <b>Di-n-butyl phthalate</b>   | <b>120</b>  | <b>J B</b> | 170  | 30   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 20:12 | 1       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

Client Sample ID: SS-62-0212

Lab Sample ID: 480-186319-2

Date Collected: 06/21/21 11:25

Matrix: Solid

Date Received: 06/21/21 16:14

Percent Solids: 94.6

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

| Analyte                   | Result | Qualifier | RL  | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------------|--------|-----------|-----|-----|-------|---|----------------|----------------|---------|
| Di-n-octyl phthalate      | ND     |           | 170 | 20  | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 20:12 | 1       |
| Fluoranthene              | 1600   |           | 170 | 18  | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 20:12 | 1       |
| Fluorene                  | 110    | J         | 170 | 20  | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 20:12 | 1       |
| Hexachlorobenzene         | ND     |           | 170 | 24  | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 20:12 | 1       |
| Hexachlorobutadiene       | ND     |           | 170 | 26  | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 20:12 | 1       |
| Hexachlorocyclopentadiene | ND     |           | 170 | 24  | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 20:12 | 1       |
| Hexachloroethane          | ND     |           | 170 | 23  | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 20:12 | 1       |
| Indeno(1,2,3-cd)pyrene    | 740    |           | 170 | 22  | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 20:12 | 1       |
| Isophorone                | ND     |           | 170 | 37  | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 20:12 | 1       |
| Naphthalene               | 79     | J         | 170 | 23  | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 20:12 | 1       |
| Nitrobenzene              | ND     |           | 170 | 19  | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 20:12 | 1       |
| N-Nitrosodi-n-propylamine | ND     |           | 170 | 30  | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 20:12 | 1       |
| N-Nitrosodiphenylamine    | ND     |           | 170 | 140 | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 20:12 | 1       |
| Pentachlorophenol         | ND     |           | 340 | 170 | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 20:12 | 1       |
| Phenanthrene              | 980    |           | 170 | 26  | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 20:12 | 1       |
| Phenol                    | ND     |           | 170 | 27  | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 20:12 | 1       |
| Pyrene                    | 1400   |           | 170 | 20  | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 20:12 | 1       |

| Surrogate            | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 2,4,6-Tribromophenol | 68        |           | 54 - 120 | 06/28/21 15:04 | 06/30/21 20:12 | 1       |
| 2-Fluorobiphenyl     | 71        |           | 60 - 120 | 06/28/21 15:04 | 06/30/21 20:12 | 1       |
| 2-Fluorophenol       | 65        |           | 52 - 120 | 06/28/21 15:04 | 06/30/21 20:12 | 1       |
| Nitrobenzene-d5      | 71        |           | 53 - 120 | 06/28/21 15:04 | 06/30/21 20:12 | 1       |
| p-Terphenyl-d14      | 73        | S1-       | 79 - 130 | 06/28/21 15:04 | 06/30/21 20:12 | 1       |
| Phenol-d5            | 67        |           | 54 - 120 | 06/28/21 15:04 | 06/30/21 20:12 | 1       |

## Method: 8081B - Organochlorine Pesticides (GC)

| Analyte             | Result | Qualifier | RL  | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|--------|-----------|-----|-----|-------|---|----------------|----------------|---------|
| 4,4'-DDD            | 10     | J         | 35  | 6.8 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 15:47 | 20      |
| 4,4'-DDE            | 16     | J         | 35  | 7.4 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 15:47 | 20      |
| 4,4'-DDT            | 110    |           | 35  | 8.2 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 15:47 | 20      |
| Aldrin              | ND     |           | 35  | 8.6 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 15:47 | 20      |
| alpha-BHC           | ND     |           | 35  | 6.3 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 15:47 | 20      |
| beta-BHC            | ND     |           | 35  | 6.3 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 15:47 | 20      |
| cis-Chlordane       | ND     |           | 35  | 17  | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 15:47 | 20      |
| delta-BHC           | ND     |           | 35  | 6.5 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 15:47 | 20      |
| Dieldrin            | 30     | J         | 35  | 8.4 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 15:47 | 20      |
| Endosulfan I        | ND     |           | 35  | 6.7 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 15:47 | 20      |
| Endosulfan II       | ND     |           | 35  | 6.3 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 15:47 | 20      |
| Endosulfan sulfate  | ND     |           | 35  | 6.5 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 15:47 | 20      |
| Endrin              | 7.8    | J         | 35  | 6.9 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 15:47 | 20      |
| Endrin aldehyde     | 19     | J B       | 35  | 9.0 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 15:47 | 20      |
| Endrin ketone       | ND     |           | 35  | 8.6 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 15:47 | 20      |
| gamma-BHC (Lindane) | 11     | J B       | 35  | 6.4 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 15:47 | 20      |
| Heptachlor          | ND     |           | 35  | 7.6 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 15:47 | 20      |
| Heptachlor epoxide  | ND     |           | 35  | 9.0 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 15:47 | 20      |
| Methoxychlor        | 27     | J         | 35  | 7.1 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 15:47 | 20      |
| Mirex               | ND     |           | 35  | 8.6 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 15:47 | 20      |
| Toxaphene           | ND     |           | 350 | 200 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 15:47 | 20      |
| trans-Chlordane     | 13     | J         | 35  | 11  | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 15:47 | 20      |

Eurofins TestAmerica, Buffalo

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

Client Sample ID: SS-62-0212

Lab Sample ID: 480-186319-2

Date Collected: 06/21/21 11:25

Matrix: Solid

Date Received: 06/21/21 16:14

Percent Solids: 94.6

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| DCB Decachlorobiphenyl | 146       | S1+       | 45 - 120 | 06/28/21 07:45 | 06/29/21 15:47 | 20      |
| DCB Decachlorobiphenyl | 978       | S1+       | 45 - 120 | 06/28/21 07:45 | 06/29/21 15:47 | 20      |
| Tetrachloro-m-xylene   | 0         | S1-       | 30 - 124 | 06/28/21 07:45 | 06/29/21 15:47 | 20      |
| Tetrachloro-m-xylene   | 0         | S1-       | 30 - 124 | 06/28/21 07:45 | 06/29/21 15:47 | 20      |

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

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| PCB-1016 | ND     |           | 0.19 | 0.037 | mg/Kg | ☆ | 06/26/21 11:52 | 06/28/21 02:48 | 1       |
| PCB-1221 | ND     |           | 0.19 | 0.037 | mg/Kg | ☆ | 06/26/21 11:52 | 06/28/21 02:48 | 1       |
| PCB-1232 | 0.19   |           | 0.19 | 0.037 | mg/Kg | ☆ | 06/26/21 11:52 | 06/28/21 02:48 | 1       |
| PCB-1242 | ND     |           | 0.19 | 0.037 | mg/Kg | ☆ | 06/26/21 11:52 | 06/28/21 02:48 | 1       |
| PCB-1248 | ND     |           | 0.19 | 0.037 | mg/Kg | ☆ | 06/26/21 11:52 | 06/28/21 02:48 | 1       |
| PCB-1254 | ND     |           | 0.19 | 0.089 | mg/Kg | ☆ | 06/26/21 11:52 | 06/28/21 02:48 | 1       |
| PCB-1260 | 0.71   |           | 0.19 | 0.089 | mg/Kg | ☆ | 06/26/21 11:52 | 06/28/21 02:48 | 1       |
| PCB-1262 | ND     |           | 0.19 | 0.089 | mg/Kg | ☆ | 06/26/21 11:52 | 06/28/21 02:48 | 1       |
| PCB-1268 | ND     |           | 0.19 | 0.089 | mg/Kg | ☆ | 06/26/21 11:52 | 06/28/21 02:48 | 1       |

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| Tetrachloro-m-xylene   | 149       |           | 60 - 154 | 06/26/21 11:52 | 06/28/21 02:48 | 1       |
| Tetrachloro-m-xylene   | 150       |           | 60 - 154 | 06/26/21 11:52 | 06/28/21 02:48 | 1       |
| DCB Decachlorobiphenyl | 154       |           | 65 - 174 | 06/26/21 11:52 | 06/28/21 02:48 | 1       |
| DCB Decachlorobiphenyl | 99        |           | 65 - 174 | 06/26/21 11:52 | 06/28/21 02:48 | 1       |

## Method: 6010C - Metals (ICP)

| Analyte   | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| Aluminum  | 11100  |           | 11.0 | 4.8   | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 00:19 | 1       |
| Antimony  | ND     |           | 33.0 | 0.88  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 15:51 | 2       |
| Arsenic   | 13.3   |           | 2.2  | 0.44  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 00:19 | 1       |
| Barium    | 244    | ^6+       | 0.55 | 0.12  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 00:19 | 1       |
| Beryllium | 1.6    |           | 0.22 | 0.031 | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 00:19 | 1       |
| Cadmium   | 3.7    |           | 0.44 | 0.066 | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 15:51 | 2       |
| Calcium   | 37000  | B         | 55.0 | 3.6   | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 00:19 | 1       |
| Chromium  | 69.7   |           | 1.1  | 0.44  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 15:51 | 2       |
| Cobalt    | 13.6   |           | 0.55 | 0.055 | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 00:19 | 1       |
| Copper    | 151    |           | 1.1  | 0.23  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 00:19 | 1       |
| Iron      | 115000 |           | 22.0 | 7.7   | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 15:51 | 2       |
| Lead      | 177    |           | 2.2  | 0.53  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 15:51 | 2       |
| Magnesium | 5180   | B         | 22.0 | 1.0   | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 00:19 | 1       |
| Manganese | 1260   | B         | 0.44 | 0.070 | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 15:51 | 2       |
| Nickel    | 64.4   |           | 11.0 | 0.51  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 15:51 | 2       |
| Potassium | 1830   | B         | 33.0 | 22.0  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 00:19 | 1       |
| Selenium  | ND     |           | 4.4  | 0.44  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 00:19 | 1       |
| Silver    | 6.7    |           | 0.66 | 0.22  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 00:19 | 1       |
| Sodium    | 295    | B         | 154  | 14.3  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 00:19 | 1       |
| Thallium  | ND     |           | 6.6  | 0.33  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 00:19 | 1       |
| Vanadium  | 22.0   |           | 1.1  | 0.24  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 15:51 | 2       |
| Zinc      | 547    |           | 2.2  | 0.70  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 00:19 | 1       |

## Method: 7471B - Mercury (CVAA)

| Analyte | Result | Qualifier | RL    | MDL    | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------|--------|-----------|-------|--------|-------|---|----------------|----------------|---------|
| Mercury | 1.1    | F1        | 0.020 | 0.0045 | mg/Kg | ☆ | 06/23/21 16:00 | 06/23/21 18:37 | 1       |

Eurofins TestAmerica, Buffalo



# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

Client Sample ID: SS-01-0002

Lab Sample ID: 480-186319-3

Date Collected: 06/21/21 09:30

Matrix: Solid

Date Received: 06/21/21 16:14

Percent Solids: 72.6

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

| Analyte                       | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|--------|-----------|------|------|-------|---|----------------|----------------|---------|
| 2,4,5-Trichlorophenol         | ND     |           | 230  | 63   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 20:36 | 1       |
| 2,4,6-Trichlorophenol         | ND     |           | 230  | 47   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 20:36 | 1       |
| 2,4-Dichlorophenol            | ND     |           | 230  | 25   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 20:36 | 1       |
| 2,4-Dimethylphenol            | ND     |           | 230  | 56   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 20:36 | 1       |
| 2,4-Dinitrophenol             | ND     |           | 2300 | 1100 | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 20:36 | 1       |
| 2,4-Dinitrotoluene            | ND     |           | 230  | 48   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 20:36 | 1       |
| 2,6-Dinitrotoluene            | ND     |           | 230  | 28   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 20:36 | 1       |
| 2-Chloronaphthalene           | ND     |           | 230  | 39   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 20:36 | 1       |
| 2-Chlorophenol                | ND     |           | 450  | 43   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 20:36 | 1       |
| 2-Methylnaphthalene           | ND     |           | 230  | 47   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 20:36 | 1       |
| 2-Methylphenol                | ND     |           | 230  | 28   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 20:36 | 1       |
| 2-Nitroaniline                | ND     |           | 450  | 34   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 20:36 | 1       |
| 2-Nitrophenol                 | ND     |           | 230  | 66   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 20:36 | 1       |
| 3,3'-Dichlorobenzidine        | ND     |           | 450  | 280  | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 20:36 | 1       |
| 3-Nitroaniline                | ND     |           | 450  | 65   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 20:36 | 1       |
| 4,6-Dinitro-2-methylphenol    | ND     |           | 450  | 230  | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 20:36 | 1       |
| 4-Bromophenyl phenyl ether    | ND     |           | 230  | 33   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 20:36 | 1       |
| 4-Chloro-3-methylphenol       | ND     |           | 230  | 58   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 20:36 | 1       |
| 4-Chloroaniline               | ND     |           | 230  | 58   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 20:36 | 1       |
| 4-Chlorophenyl phenyl ether   | ND     |           | 230  | 29   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 20:36 | 1       |
| 4-Methylphenol                | ND     |           | 450  | 28   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 20:36 | 1       |
| 4-Nitroaniline                | ND     |           | 450  | 120  | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 20:36 | 1       |
| 4-Nitrophenol                 | ND     |           | 450  | 160  | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 20:36 | 1       |
| Acenaphthene                  | ND     |           | 230  | 34   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 20:36 | 1       |
| Acenaphthylene                | ND     |           | 230  | 30   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 20:36 | 1       |
| Acetophenone                  | ND     |           | 230  | 32   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 20:36 | 1       |
| Anthracene                    | ND     |           | 230  | 58   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 20:36 | 1       |
| Atrazine                      | ND     |           | 230  | 81   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 20:36 | 1       |
| Benzaldehyde                  | ND     |           | 230  | 190  | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 20:36 | 1       |
| Benzo(a)anthracene            | ND     |           | 230  | 23   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 20:36 | 1       |
| Benzo(a)pyrene                | ND     |           | 230  | 34   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 20:36 | 1       |
| Benzo(b)fluoranthene          | ND     |           | 230  | 37   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 20:36 | 1       |
| Benzo(g,h,i)perylene          | ND     |           | 230  | 25   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 20:36 | 1       |
| Benzo(k)fluoranthene          | ND     |           | 230  | 30   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 20:36 | 1       |
| Benzoic acid                  | ND     |           | 6600 | 2100 | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 20:36 | 1       |
| Biphenyl                      | ND     |           | 230  | 34   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 20:36 | 1       |
| bis (2-chloroisopropyl) ether | ND     |           | 230  | 47   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 20:36 | 1       |
| Bis(2-chloroethoxy)methane    | ND     |           | 230  | 50   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 20:36 | 1       |
| Bis(2-chloroethyl)ether       | ND     |           | 230  | 30   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 20:36 | 1       |
| Bis(2-ethylhexyl) phthalate   | ND     |           | 230  | 80   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 20:36 | 1       |
| Butyl benzyl phthalate        | ND     |           | 230  | 39   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 20:36 | 1       |
| Caprolactam                   | ND     |           | 230  | 70   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 20:36 | 1       |
| Carbazole                     | ND     |           | 230  | 28   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 20:36 | 1       |
| Chrysene                      | ND     |           | 230  | 52   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 20:36 | 1       |
| Dibenz(a,h)anthracene         | ND     |           | 230  | 41   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 20:36 | 1       |
| Dibenzofuran                  | ND     |           | 230  | 28   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 20:36 | 1       |
| Diethyl phthalate             | ND     |           | 230  | 30   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 20:36 | 1       |
| Dimethyl phthalate            | ND     |           | 230  | 28   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 20:36 | 1       |
| Di-n-butyl phthalate          | 170    | J B       | 230  | 40   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 20:36 | 1       |

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Lab Sample ID: 480-186319-3

Date Collected: 06/21/21 09:30

Matrix: Solid

Date Received: 06/21/21 16:14

Percent Solids: 72.6

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

| Analyte                   | Result    | Qualifier | RL  | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------------|-----------|-----------|-----|-----|-------|---|----------------|----------------|---------|
| Di-n-octyl phthalate      | ND        |           | 230 | 28  | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 20:36 | 1       |
| <b>Fluoranthene</b>       | <b>43</b> | <b>J</b>  | 230 | 25  | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 20:36 | 1       |
| Fluorene                  | ND        |           | 230 | 28  | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 20:36 | 1       |
| Hexachlorobenzene         | ND        |           | 230 | 32  | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 20:36 | 1       |
| Hexachlorobutadiene       | ND        |           | 230 | 34  | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 20:36 | 1       |
| Hexachlorocyclopentadiene | ND        |           | 230 | 32  | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 20:36 | 1       |
| Hexachloroethane          | ND        |           | 230 | 30  | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 20:36 | 1       |
| Indeno(1,2,3-cd)pyrene    | ND        |           | 230 | 29  | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 20:36 | 1       |
| Isophorone                | ND        |           | 230 | 50  | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 20:36 | 1       |
| Naphthalene               | ND        |           | 230 | 30  | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 20:36 | 1       |
| Nitrobenzene              | ND        |           | 230 | 26  | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 20:36 | 1       |
| N-Nitrosodi-n-propylamine | ND        |           | 230 | 40  | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 20:36 | 1       |
| N-Nitrosodiphenylamine    | ND        |           | 230 | 190 | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 20:36 | 1       |
| Pentachlorophenol         | ND        |           | 450 | 230 | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 20:36 | 1       |
| Phenanthrene              | ND        |           | 230 | 34  | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 20:36 | 1       |
| Phenol                    | ND        |           | 230 | 36  | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 20:36 | 1       |
| <b>Pyrene</b>             | <b>38</b> | <b>J</b>  | 230 | 28  | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 20:36 | 1       |

| Surrogate            | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 2,4,6-Tribromophenol | 88        |           | 54 - 120 | 06/28/21 15:04 | 06/30/21 20:36 | 1       |
| 2-Fluorobiphenyl     | 80        |           | 60 - 120 | 06/28/21 15:04 | 06/30/21 20:36 | 1       |
| 2-Fluorophenol       | 74        |           | 52 - 120 | 06/28/21 15:04 | 06/30/21 20:36 | 1       |
| Nitrobenzene-d5      | 77        |           | 53 - 120 | 06/28/21 15:04 | 06/30/21 20:36 | 1       |
| p-Terphenyl-d14      | 88        |           | 79 - 130 | 06/28/21 15:04 | 06/30/21 20:36 | 1       |
| Phenol-d5            | 75        |           | 54 - 120 | 06/28/21 15:04 | 06/30/21 20:36 | 1       |

## Method: 8081B - Organochlorine Pesticides (GC)

| Analyte                    | Result      | Qualifier  | RL  | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------------------------|-------------|------------|-----|------|-------|---|----------------|----------------|---------|
| 4,4'-DDD                   | ND          |            | 2.3 | 0.44 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 16:06 | 1       |
| <b>4,4'-DDE</b>            | <b>1.8</b>  | <b>J</b>   | 2.3 | 0.48 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 16:06 | 1       |
| <b>4,4'-DDT</b>            | <b>6.2</b>  |            | 2.3 | 0.53 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 16:06 | 1       |
| Aldrin                     | ND          |            | 2.3 | 0.56 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 16:06 | 1       |
| alpha-BHC                  | ND          |            | 2.3 | 0.41 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 16:06 | 1       |
| <b>beta-BHC</b>            | <b>0.46</b> | <b>J</b>   | 2.3 | 0.41 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 16:06 | 1       |
| cis-Chlordane              | ND          |            | 2.3 | 1.1  | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 16:06 | 1       |
| <b>delta-BHC</b>           | <b>1.0</b>  | <b>J B</b> | 2.3 | 0.42 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 16:06 | 1       |
| <b>Dieldrin</b>            | <b>1.6</b>  | <b>J</b>   | 2.3 | 0.55 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 16:06 | 1       |
| <b>Endosulfan I</b>        | <b>1.0</b>  | <b>J</b>   | 2.3 | 0.44 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 16:06 | 1       |
| <b>Endosulfan II</b>       | <b>0.62</b> | <b>J</b>   | 2.3 | 0.41 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 16:06 | 1       |
| Endosulfan sulfate         | ND          |            | 2.3 | 0.43 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 16:06 | 1       |
| <b>Endrin</b>              | <b>0.77</b> | <b>J</b>   | 2.3 | 0.45 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 16:06 | 1       |
| <b>Endrin aldehyde</b>     | <b>4.0</b>  | <b>B</b>   | 2.3 | 0.58 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 16:06 | 1       |
| Endrin ketone              | ND          |            | 2.3 | 0.56 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 16:06 | 1       |
| <b>gamma-BHC (Lindane)</b> | <b>0.90</b> | <b>J B</b> | 2.3 | 0.42 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 16:06 | 1       |
| Heptachlor                 | ND          |            | 2.3 | 0.49 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 16:06 | 1       |
| Heptachlor epoxide         | ND          |            | 2.3 | 0.59 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 16:06 | 1       |
| Methoxychlor               | ND          |            | 2.3 | 0.47 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 16:06 | 1       |
| Mirex                      | ND          |            | 2.3 | 0.56 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 16:06 | 1       |
| Toxaphene                  | ND          |            | 23  | 13   | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 16:06 | 1       |
| <b>trans-Chlordane</b>     | <b>1.7</b>  | <b>J</b>   | 2.3 | 0.73 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 16:06 | 1       |

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Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

Client Sample ID: SS-01-0002

Lab Sample ID: 480-186319-3

Date Collected: 06/21/21 09:30

Matrix: Solid

Date Received: 06/21/21 16:14

Percent Solids: 72.6

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| DCB Decachlorobiphenyl | 313       | S1+       | 45 - 120 | 06/28/21 07:45 | 06/29/21 16:06 | 1       |
| DCB Decachlorobiphenyl | 134       | S1+       | 45 - 120 | 06/28/21 07:45 | 06/29/21 16:06 | 1       |
| Tetrachloro-m-xylene   | 118       |           | 30 - 124 | 06/28/21 07:45 | 06/29/21 16:06 | 1       |
| Tetrachloro-m-xylene   | 70        |           | 30 - 124 | 06/28/21 07:45 | 06/29/21 16:06 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| PCB-1016 | ND     |           | 0.34 | 0.066 | mg/Kg | ☆ | 06/26/21 11:52 | 06/28/21 03:01 | 1       |
| PCB-1221 | ND     |           | 0.34 | 0.066 | mg/Kg | ☆ | 06/26/21 11:52 | 06/28/21 03:01 | 1       |
| PCB-1232 | ND     |           | 0.34 | 0.066 | mg/Kg | ☆ | 06/26/21 11:52 | 06/28/21 03:01 | 1       |
| PCB-1242 | ND     |           | 0.34 | 0.066 | mg/Kg | ☆ | 06/26/21 11:52 | 06/28/21 03:01 | 1       |
| PCB-1248 | ND     |           | 0.34 | 0.066 | mg/Kg | ☆ | 06/26/21 11:52 | 06/28/21 03:01 | 1       |
| PCB-1254 | ND     |           | 0.34 | 0.16  | mg/Kg | ☆ | 06/26/21 11:52 | 06/28/21 03:01 | 1       |
| PCB-1260 | ND     |           | 0.34 | 0.16  | mg/Kg | ☆ | 06/26/21 11:52 | 06/28/21 03:01 | 1       |
| PCB-1262 | ND     |           | 0.34 | 0.16  | mg/Kg | ☆ | 06/26/21 11:52 | 06/28/21 03:01 | 1       |
| PCB-1268 | ND     |           | 0.34 | 0.16  | mg/Kg | ☆ | 06/26/21 11:52 | 06/28/21 03:01 | 1       |

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| Tetrachloro-m-xylene   | 144       |           | 60 - 154 | 06/26/21 11:52 | 06/28/21 03:01 | 1       |
| Tetrachloro-m-xylene   | 146       |           | 60 - 154 | 06/26/21 11:52 | 06/28/21 03:01 | 1       |
| DCB Decachlorobiphenyl | 133       |           | 65 - 174 | 06/26/21 11:52 | 06/28/21 03:01 | 1       |
| DCB Decachlorobiphenyl | 97        |           | 65 - 174 | 06/26/21 11:52 | 06/28/21 03:01 | 1       |

## Method: 6010C - Metals (ICP)

| Analyte   | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| Aluminum  | 9950   |           | 13.9 | 6.1   | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 00:23 | 1       |
| Antimony  | ND     |           | 20.9 | 0.56  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 00:23 | 1       |
| Arsenic   | 3.2    |           | 2.8  | 0.56  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 00:23 | 1       |
| Barium    | 58.6   | ^6+       | 0.70 | 0.15  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 00:23 | 1       |
| Beryllium | 0.44   |           | 0.28 | 0.039 | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 00:23 | 1       |
| Cadmium   | 0.52   |           | 0.28 | 0.042 | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 00:23 | 1       |
| Calcium   | 29300  | B         | 69.6 | 4.6   | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 00:23 | 1       |
| Chromium  | 15.4   |           | 0.70 | 0.28  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 00:23 | 1       |
| Cobalt    | 6.3    |           | 0.70 | 0.070 | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 00:23 | 1       |
| Copper    | 17.9   |           | 1.4  | 0.29  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 00:23 | 1       |
| Iron      | 14800  |           | 13.9 | 4.9   | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 00:23 | 1       |
| Lead      | 28.3   |           | 1.4  | 0.33  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 00:23 | 1       |
| Magnesium | 13500  | B         | 27.8 | 1.3   | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 00:23 | 1       |
| Manganese | 306    | B         | 0.28 | 0.045 | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 00:23 | 1       |
| Nickel    | 16.7   |           | 7.0  | 0.32  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 00:23 | 1       |
| Potassium | 2640   | B         | 41.7 | 27.8  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 00:23 | 1       |
| Selenium  | ND     |           | 5.6  | 0.56  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 00:23 | 1       |
| Silver    | 0.31   | J         | 0.83 | 0.28  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 00:23 | 1       |
| Sodium    | 173    | J B       | 195  | 18.1  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 00:23 | 1       |
| Thallium  | ND     |           | 8.3  | 0.42  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 00:23 | 1       |
| Vanadium  | 25.0   |           | 0.70 | 0.15  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 00:23 | 1       |
| Zinc      | 86.0   |           | 2.8  | 0.89  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 00:23 | 1       |

## Method: 7471B - Mercury (CVAA)

| Analyte | Result | Qualifier | RL    | MDL    | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------|--------|-----------|-------|--------|-------|---|----------------|----------------|---------|
| Mercury | 0.24   |           | 0.025 | 0.0058 | mg/Kg | ☆ | 06/23/21 16:00 | 06/23/21 18:42 | 1       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

Client Sample ID: SS-01-0212

Lab Sample ID: 480-186319-4

Date Collected: 06/21/21 09:35

Matrix: Solid

Date Received: 06/21/21 16:14

Percent Solids: 82.6

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

| Analyte                       | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|--------|-----------|------|------|-------|---|----------------|----------------|---------|
| 2,4,5-Trichlorophenol         | ND     |           | 200  | 55   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 21:00 | 1       |
| 2,4,6-Trichlorophenol         | ND     |           | 200  | 40   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 21:00 | 1       |
| 2,4-Dichlorophenol            | ND     |           | 200  | 21   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 21:00 | 1       |
| 2,4-Dimethylphenol            | ND     |           | 200  | 49   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 21:00 | 1       |
| 2,4-Dinitrophenol             | ND     |           | 2000 | 930  | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 21:00 | 1       |
| 2,4-Dinitrotoluene            | ND     |           | 200  | 42   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 21:00 | 1       |
| 2,6-Dinitrotoluene            | ND     |           | 200  | 24   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 21:00 | 1       |
| 2-Chloronaphthalene           | ND     |           | 200  | 33   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 21:00 | 1       |
| 2-Chlorophenol                | ND     |           | 390  | 37   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 21:00 | 1       |
| 2-Methylnaphthalene           | ND     |           | 200  | 40   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 21:00 | 1       |
| 2-Methylphenol                | ND     |           | 200  | 24   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 21:00 | 1       |
| 2-Nitroaniline                | ND     |           | 390  | 30   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 21:00 | 1       |
| 2-Nitrophenol                 | ND     |           | 200  | 57   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 21:00 | 1       |
| 3,3'-Dichlorobenzidine        | ND     |           | 390  | 240  | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 21:00 | 1       |
| 3-Nitroaniline                | ND     |           | 390  | 56   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 21:00 | 1       |
| 4,6-Dinitro-2-methylphenol    | ND     |           | 390  | 200  | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 21:00 | 1       |
| 4-Bromophenyl phenyl ether    | ND     |           | 200  | 28   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 21:00 | 1       |
| 4-Chloro-3-methylphenol       | ND     |           | 200  | 50   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 21:00 | 1       |
| 4-Chloroaniline               | ND     |           | 200  | 50   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 21:00 | 1       |
| 4-Chlorophenyl phenyl ether   | ND     |           | 200  | 25   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 21:00 | 1       |
| 4-Methylphenol                | ND     |           | 390  | 24   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 21:00 | 1       |
| 4-Nitroaniline                | ND     |           | 390  | 110  | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 21:00 | 1       |
| 4-Nitrophenol                 | ND     |           | 390  | 140  | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 21:00 | 1       |
| Acenaphthene                  | ND     |           | 200  | 30   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 21:00 | 1       |
| Acenaphthylene                | ND     |           | 200  | 26   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 21:00 | 1       |
| Acetophenone                  | ND     |           | 200  | 27   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 21:00 | 1       |
| Anthracene                    | ND     |           | 200  | 50   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 21:00 | 1       |
| Atrazine                      | ND     |           | 200  | 70   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 21:00 | 1       |
| Benzaldehyde                  | ND     |           | 200  | 160  | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 21:00 | 1       |
| Benzo(a)anthracene            | ND     |           | 200  | 20   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 21:00 | 1       |
| Benzo(a)pyrene                | ND     |           | 200  | 30   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 21:00 | 1       |
| Benzo(b)fluoranthene          | ND     |           | 200  | 32   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 21:00 | 1       |
| Benzo(g,h,i)perylene          | ND     |           | 200  | 21   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 21:00 | 1       |
| Benzo(k)fluoranthene          | ND     |           | 200  | 26   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 21:00 | 1       |
| Benzoic acid                  | ND     |           | 5700 | 1800 | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 21:00 | 1       |
| Biphenyl                      | ND     |           | 200  | 30   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 21:00 | 1       |
| bis (2-chloroisopropyl) ether | ND     |           | 200  | 40   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 21:00 | 1       |
| Bis(2-chloroethoxy)methane    | ND     |           | 200  | 43   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 21:00 | 1       |
| Bis(2-chloroethyl)ether       | ND     |           | 200  | 26   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 21:00 | 1       |
| Bis(2-ethylhexyl) phthalate   | ND     |           | 200  | 69   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 21:00 | 1       |
| Butyl benzyl phthalate        | ND     |           | 200  | 33   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 21:00 | 1       |
| Caprolactam                   | ND     |           | 200  | 60   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 21:00 | 1       |
| Carbazole                     | ND     |           | 200  | 24   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 21:00 | 1       |
| Chrysene                      | ND     |           | 200  | 45   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 21:00 | 1       |
| Dibenz(a,h)anthracene         | ND     |           | 200  | 36   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 21:00 | 1       |
| Dibenzofuran                  | ND     |           | 200  | 24   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 21:00 | 1       |
| Diethyl phthalate             | ND     |           | 200  | 26   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 21:00 | 1       |
| Dimethyl phthalate            | ND     |           | 200  | 24   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 21:00 | 1       |
| Di-n-butyl phthalate          | 150    | J B       | 200  | 34   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 21:00 | 1       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

Client Sample ID: SS-01-0212

Lab Sample ID: 480-186319-4

Date Collected: 06/21/21 09:35

Matrix: Solid

Date Received: 06/21/21 16:14

Percent Solids: 82.6

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

| Analyte                   | Result    | Qualifier | RL  | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------------|-----------|-----------|-----|-----|-------|---|----------------|----------------|---------|
| Di-n-octyl phthalate      | ND        |           | 200 | 24  | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 21:00 | 1       |
| <b>Fluoranthene</b>       | <b>21</b> | <b>J</b>  | 200 | 21  | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 21:00 | 1       |
| Fluorene                  | ND        |           | 200 | 24  | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 21:00 | 1       |
| Hexachlorobenzene         | ND        |           | 200 | 27  | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 21:00 | 1       |
| Hexachlorobutadiene       | ND        |           | 200 | 30  | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 21:00 | 1       |
| Hexachlorocyclopentadiene | ND        |           | 200 | 27  | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 21:00 | 1       |
| Hexachloroethane          | ND        |           | 200 | 26  | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 21:00 | 1       |
| Indeno(1,2,3-cd)pyrene    | ND        |           | 200 | 25  | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 21:00 | 1       |
| Isophorone                | ND        |           | 200 | 43  | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 21:00 | 1       |
| Naphthalene               | ND        |           | 200 | 26  | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 21:00 | 1       |
| Nitrobenzene              | ND        |           | 200 | 23  | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 21:00 | 1       |
| N-Nitrosodi-n-propylamine | ND        |           | 200 | 34  | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 21:00 | 1       |
| N-Nitrosodiphenylamine    | ND        |           | 200 | 160 | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 21:00 | 1       |
| Pentachlorophenol         | ND        |           | 390 | 200 | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 21:00 | 1       |
| Phenanthrene              | ND        |           | 200 | 30  | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 21:00 | 1       |
| Phenol                    | ND        |           | 200 | 31  | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 21:00 | 1       |
| Pyrene                    | ND        |           | 200 | 24  | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 21:00 | 1       |

| Surrogate            | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 2,4,6-Tribromophenol | 71        |           | 54 - 120 | 06/28/21 15:04 | 06/30/21 21:00 | 1       |
| 2-Fluorobiphenyl     | 64        |           | 60 - 120 | 06/28/21 15:04 | 06/30/21 21:00 | 1       |
| 2-Fluorophenol       | 60        |           | 52 - 120 | 06/28/21 15:04 | 06/30/21 21:00 | 1       |
| Nitrobenzene-d5      | 62        |           | 53 - 120 | 06/28/21 15:04 | 06/30/21 21:00 | 1       |
| p-Terphenyl-d14      | 73        | S1-       | 79 - 130 | 06/28/21 15:04 | 06/30/21 21:00 | 1       |
| Phenol-d5            | 60        |           | 54 - 120 | 06/28/21 15:04 | 06/30/21 21:00 | 1       |

## Method: 8081B - Organochlorine Pesticides (GC)

| Analyte                    | Result      | Qualifier  | RL  | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------------------------|-------------|------------|-----|------|-------|---|----------------|----------------|---------|
| <b>4,4'-DDD</b>            | <b>1.1</b>  | <b>J</b>   | 2.0 | 0.39 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 16:26 | 1       |
| <b>4,4'-DDE</b>            | <b>1.9</b>  | <b>J</b>   | 2.0 | 0.42 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 16:26 | 1       |
| <b>4,4'-DDT</b>            | <b>5.0</b>  |            | 2.0 | 0.46 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 16:26 | 1       |
| Aldrin                     | ND          |            | 2.0 | 0.49 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 16:26 | 1       |
| alpha-BHC                  | ND          |            | 2.0 | 0.36 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 16:26 | 1       |
| beta-BHC                   | ND          |            | 2.0 | 0.36 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 16:26 | 1       |
| cis-Chlordane              | ND          |            | 2.0 | 0.99 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 16:26 | 1       |
| <b>delta-BHC</b>           | <b>0.99</b> | <b>J B</b> | 2.0 | 0.37 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 16:26 | 1       |
| <b>Dieldrin</b>            | <b>0.73</b> | <b>J</b>   | 2.0 | 0.48 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 16:26 | 1       |
| <b>Endosulfan I</b>        | <b>0.58</b> | <b>J</b>   | 2.0 | 0.38 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 16:26 | 1       |
| Endosulfan II              | ND          |            | 2.0 | 0.36 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 16:26 | 1       |
| Endosulfan sulfate         | ND          |            | 2.0 | 0.37 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 16:26 | 1       |
| Endrin                     | ND          |            | 2.0 | 0.39 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 16:26 | 1       |
| <b>Endrin aldehyde</b>     | <b>3.0</b>  | <b>B</b>   | 2.0 | 0.51 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 16:26 | 1       |
| Endrin ketone              | ND          |            | 2.0 | 0.49 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 16:26 | 1       |
| <b>gamma-BHC (Lindane)</b> | <b>0.58</b> | <b>J B</b> | 2.0 | 0.36 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 16:26 | 1       |
| Heptachlor                 | ND          |            | 2.0 | 0.43 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 16:26 | 1       |
| Heptachlor epoxide         | ND          |            | 2.0 | 0.51 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 16:26 | 1       |
| Methoxychlor               | ND          |            | 2.0 | 0.40 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 16:26 | 1       |
| Mirex                      | ND          |            | 2.0 | 0.49 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 16:26 | 1       |
| Toxaphene                  | ND          |            | 20  | 12   | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 16:26 | 1       |
| <b>trans-Chlordane</b>     | <b>1.4</b>  | <b>J</b>   | 2.0 | 0.63 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 16:26 | 1       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

Client Sample ID: SS-01-0212

Lab Sample ID: 480-186319-4

Date Collected: 06/21/21 09:35

Matrix: Solid

Date Received: 06/21/21 16:14

Percent Solids: 82.6

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| DCB Decachlorobiphenyl | 96        |           | 45 - 120 | 06/28/21 07:45 | 06/29/21 16:26 | 1       |
| DCB Decachlorobiphenyl | 161       | S1+       | 45 - 120 | 06/28/21 07:45 | 06/29/21 16:26 | 1       |
| Tetrachloro-m-xylene   | 93        |           | 30 - 124 | 06/28/21 07:45 | 06/29/21 16:26 | 1       |
| Tetrachloro-m-xylene   | 88        |           | 30 - 124 | 06/28/21 07:45 | 06/29/21 16:26 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| PCB-1016 | ND     |           | 0.25 | 0.049 | mg/Kg | ☆ | 06/26/21 11:52 | 06/28/21 03:13 | 1       |
| PCB-1221 | ND     |           | 0.25 | 0.049 | mg/Kg | ☆ | 06/26/21 11:52 | 06/28/21 03:13 | 1       |
| PCB-1232 | ND     |           | 0.25 | 0.049 | mg/Kg | ☆ | 06/26/21 11:52 | 06/28/21 03:13 | 1       |
| PCB-1242 | ND     |           | 0.25 | 0.049 | mg/Kg | ☆ | 06/26/21 11:52 | 06/28/21 03:13 | 1       |
| PCB-1248 | ND     |           | 0.25 | 0.049 | mg/Kg | ☆ | 06/26/21 11:52 | 06/28/21 03:13 | 1       |
| PCB-1254 | ND     |           | 0.25 | 0.12  | mg/Kg | ☆ | 06/26/21 11:52 | 06/28/21 03:13 | 1       |
| PCB-1260 | ND     |           | 0.25 | 0.12  | mg/Kg | ☆ | 06/26/21 11:52 | 06/28/21 03:13 | 1       |
| PCB-1262 | ND     |           | 0.25 | 0.12  | mg/Kg | ☆ | 06/26/21 11:52 | 06/28/21 03:13 | 1       |
| PCB-1268 | ND     |           | 0.25 | 0.12  | mg/Kg | ☆ | 06/26/21 11:52 | 06/28/21 03:13 | 1       |

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| Tetrachloro-m-xylene   | 154       |           | 60 - 154 | 06/26/21 11:52 | 06/28/21 03:13 | 1       |
| Tetrachloro-m-xylene   | 154       |           | 60 - 154 | 06/26/21 11:52 | 06/28/21 03:13 | 1       |
| DCB Decachlorobiphenyl | 141       |           | 65 - 174 | 06/26/21 11:52 | 06/28/21 03:13 | 1       |
| DCB Decachlorobiphenyl | 100       |           | 65 - 174 | 06/26/21 11:52 | 06/28/21 03:13 | 1       |

## Method: 6010C - Metals (ICP)

| Analyte   | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| Aluminum  | 11400  |           | 12.6 | 5.6   | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 00:27 | 1       |
| Antimony  | ND     |           | 19.0 | 0.51  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 00:27 | 1       |
| Arsenic   | 3.4    |           | 2.5  | 0.51  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 00:27 | 1       |
| Barium    | 61.6   | ^6+       | 0.63 | 0.14  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 00:27 | 1       |
| Beryllium | 0.49   |           | 0.25 | 0.035 | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 00:27 | 1       |
| Cadmium   | 0.38   |           | 0.25 | 0.038 | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 00:27 | 1       |
| Calcium   | 29000  | B         | 63.2 | 4.2   | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 00:27 | 1       |
| Chromium  | 16.9   |           | 0.63 | 0.25  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 00:27 | 1       |
| Cobalt    | 7.5    |           | 0.63 | 0.063 | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 00:27 | 1       |
| Copper    | 16.3   |           | 1.3  | 0.27  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 00:27 | 1       |
| Iron      | 16400  |           | 12.6 | 4.4   | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 00:27 | 1       |
| Lead      | 26.4   |           | 1.3  | 0.30  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 00:27 | 1       |
| Magnesium | 12900  | B         | 25.3 | 1.2   | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 00:27 | 1       |
| Manganese | 318    | B         | 0.25 | 0.040 | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 00:27 | 1       |
| Nickel    | 19.3   |           | 6.3  | 0.29  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 00:27 | 1       |
| Potassium | 2830   | B         | 37.9 | 25.3  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 00:27 | 1       |
| Selenium  | ND     |           | 5.1  | 0.51  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 00:27 | 1       |
| Silver    | ND     |           | 0.76 | 0.25  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 00:27 | 1       |
| Sodium    | 176    | J B       | 177  | 16.4  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 00:27 | 1       |
| Thallium  | ND     |           | 7.6  | 0.38  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 00:27 | 1       |
| Vanadium  | 27.2   |           | 0.63 | 0.14  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 00:27 | 1       |
| Zinc      | 74.8   |           | 2.5  | 0.81  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 00:27 | 1       |

## Method: 7471B - Mercury (CVAA)

| Analyte | Result | Qualifier | RL    | MDL    | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------|--------|-----------|-------|--------|-------|---|----------------|----------------|---------|
| Mercury | 0.18   |           | 0.021 | 0.0049 | mg/Kg | ☆ | 06/23/21 16:00 | 06/23/21 18:44 | 1       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

**Client Sample ID: SS-02-0002**

**Lab Sample ID: 480-186319-5**

**Date Collected: 06/21/21 09:50**

**Matrix: Solid**

**Date Received: 06/21/21 16:14**

**Percent Solids: 71.6**

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

| Analyte                       | Result | Qualifier | RL    | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|--------|-----------|-------|-------|-------|---|----------------|----------------|---------|
| 2,4,5-Trichlorophenol         | ND     |           | 1200  | 320   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 21:25 | 5       |
| 2,4,6-Trichlorophenol         | ND     |           | 1200  | 230   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 21:25 | 5       |
| 2,4-Dichlorophenol            | ND     |           | 1200  | 120   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 21:25 | 5       |
| 2,4-Dimethylphenol            | ND     |           | 1200  | 280   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 21:25 | 5       |
| 2,4-Dinitrophenol             | ND     |           | 11000 | 5400  | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 21:25 | 5       |
| 2,4-Dinitrotoluene            | ND     |           | 1200  | 240   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 21:25 | 5       |
| 2,6-Dinitrotoluene            | ND     |           | 1200  | 140   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 21:25 | 5       |
| 2-Chloronaphthalene           | ND     |           | 1200  | 190   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 21:25 | 5       |
| 2-Chlorophenol                | ND     |           | 2300  | 210   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 21:25 | 5       |
| 2-Methylnaphthalene           | ND     |           | 1200  | 230   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 21:25 | 5       |
| 2-Methylphenol                | ND     |           | 1200  | 140   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 21:25 | 5       |
| 2-Nitroaniline                | ND     |           | 2300  | 170   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 21:25 | 5       |
| 2-Nitrophenol                 | ND     |           | 1200  | 330   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 21:25 | 5       |
| 3,3'-Dichlorobenzidine        | ND     |           | 2300  | 1400  | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 21:25 | 5       |
| 3-Nitroaniline                | ND     |           | 2300  | 320   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 21:25 | 5       |
| 4,6-Dinitro-2-methylphenol    | ND     |           | 2300  | 1200  | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 21:25 | 5       |
| 4-Bromophenyl phenyl ether    | ND     |           | 1200  | 160   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 21:25 | 5       |
| 4-Chloro-3-methylphenol       | ND     |           | 1200  | 290   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 21:25 | 5       |
| 4-Chloroaniline               | ND     |           | 1200  | 290   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 21:25 | 5       |
| 4-Chlorophenyl phenyl ether   | ND     |           | 1200  | 140   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 21:25 | 5       |
| 4-Methylphenol                | ND     |           | 2300  | 140   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 21:25 | 5       |
| 4-Nitroaniline                | ND     |           | 2300  | 610   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 21:25 | 5       |
| 4-Nitrophenol                 | ND     |           | 2300  | 820   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 21:25 | 5       |
| Acenaphthene                  | ND     |           | 1200  | 170   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 21:25 | 5       |
| Acenaphthylene                | ND     |           | 1200  | 150   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 21:25 | 5       |
| Acetophenone                  | ND     |           | 1200  | 160   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 21:25 | 5       |
| Anthracene                    | ND     |           | 1200  | 290   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 21:25 | 5       |
| Atrazine                      | ND     |           | 1200  | 410   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 21:25 | 5       |
| Benzaldehyde                  | ND     |           | 1200  | 930   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 21:25 | 5       |
| Benzo(a)anthracene            | ND     |           | 1200  | 120   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 21:25 | 5       |
| Benzo(a)pyrene                | ND     |           | 1200  | 170   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 21:25 | 5       |
| Benzo(b)fluoranthene          | ND     |           | 1200  | 190   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 21:25 | 5       |
| Benzo(g,h,i)perylene          | ND     |           | 1200  | 120   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 21:25 | 5       |
| Benzo(k)fluoranthene          | ND     |           | 1200  | 150   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 21:25 | 5       |
| Benzoic acid                  | ND     |           | 33000 | 10000 | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 21:25 | 5       |
| Biphenyl                      | ND     |           | 1200  | 170   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 21:25 | 5       |
| bis (2-chloroisopropyl) ether | ND     |           | 1200  | 230   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 21:25 | 5       |
| Bis(2-chloroethoxy)methane    | ND     |           | 1200  | 250   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 21:25 | 5       |
| Bis(2-chloroethyl)ether       | ND     |           | 1200  | 150   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 21:25 | 5       |
| Bis(2-ethylhexyl) phthalate   | ND     |           | 1200  | 400   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 21:25 | 5       |
| Butyl benzyl phthalate        | ND     |           | 1200  | 190   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 21:25 | 5       |
| Caprolactam                   | ND     |           | 1200  | 350   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 21:25 | 5       |
| Carbazole                     | ND     |           | 1200  | 140   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 21:25 | 5       |
| Chrysene                      | ND     |           | 1200  | 260   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 21:25 | 5       |
| Dibenz(a,h)anthracene         | ND     |           | 1200  | 210   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 21:25 | 5       |
| Dibenzofuran                  | ND     |           | 1200  | 140   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 21:25 | 5       |
| Diethyl phthalate             | ND     |           | 1200  | 150   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 21:25 | 5       |
| Dimethyl phthalate            | ND     |           | 1200  | 140   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 21:25 | 5       |
| Di-n-butyl phthalate          | ND     |           | 1200  | 200   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 21:25 | 5       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

Client Sample ID: SS-02-0002

Lab Sample ID: 480-186319-5

Date Collected: 06/21/21 09:50

Matrix: Solid

Date Received: 06/21/21 16:14

Percent Solids: 71.6

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

| Analyte                   | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------------|--------|-----------|------|------|-------|---|----------------|----------------|---------|
| Di-n-octyl phthalate      | ND     |           | 1200 | 140  | ug/Kg | ☆ | 06/28/21 15:04 | 06/30/21 21:25 | 5       |
| Fluoranthene              | ND     |           | 1200 | 120  | ug/Kg | ☆ | 06/28/21 15:04 | 06/30/21 21:25 | 5       |
| Fluorene                  | ND     |           | 1200 | 140  | ug/Kg | ☆ | 06/28/21 15:04 | 06/30/21 21:25 | 5       |
| Hexachlorobenzene         | ND     |           | 1200 | 160  | ug/Kg | ☆ | 06/28/21 15:04 | 06/30/21 21:25 | 5       |
| Hexachlorobutadiene       | ND     |           | 1200 | 170  | ug/Kg | ☆ | 06/28/21 15:04 | 06/30/21 21:25 | 5       |
| Hexachlorocyclopentadiene | ND     |           | 1200 | 160  | ug/Kg | ☆ | 06/28/21 15:04 | 06/30/21 21:25 | 5       |
| Hexachloroethane          | ND     |           | 1200 | 150  | ug/Kg | ☆ | 06/28/21 15:04 | 06/30/21 21:25 | 5       |
| Indeno(1,2,3-cd)pyrene    | ND     |           | 1200 | 140  | ug/Kg | ☆ | 06/28/21 15:04 | 06/30/21 21:25 | 5       |
| Isophorone                | ND     |           | 1200 | 250  | ug/Kg | ☆ | 06/28/21 15:04 | 06/30/21 21:25 | 5       |
| Naphthalene               | ND     |           | 1200 | 150  | ug/Kg | ☆ | 06/28/21 15:04 | 06/30/21 21:25 | 5       |
| Nitrobenzene              | ND     |           | 1200 | 130  | ug/Kg | ☆ | 06/28/21 15:04 | 06/30/21 21:25 | 5       |
| N-Nitrosodi-n-propylamine | ND     |           | 1200 | 200  | ug/Kg | ☆ | 06/28/21 15:04 | 06/30/21 21:25 | 5       |
| N-Nitrosodiphenylamine    | ND     |           | 1200 | 950  | ug/Kg | ☆ | 06/28/21 15:04 | 06/30/21 21:25 | 5       |
| Pentachlorophenol         | ND     |           | 2300 | 1200 | ug/Kg | ☆ | 06/28/21 15:04 | 06/30/21 21:25 | 5       |
| Phenanthrene              | ND     |           | 1200 | 170  | ug/Kg | ☆ | 06/28/21 15:04 | 06/30/21 21:25 | 5       |
| Phenol                    | ND     |           | 1200 | 180  | ug/Kg | ☆ | 06/28/21 15:04 | 06/30/21 21:25 | 5       |
| Pyrene                    | ND     |           | 1200 | 140  | ug/Kg | ☆ | 06/28/21 15:04 | 06/30/21 21:25 | 5       |

| Surrogate            | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 2,4,6-Tribromophenol | 89        |           | 54 - 120 | 06/28/21 15:04 | 06/30/21 21:25 | 5       |
| 2-Fluorobiphenyl     | 83        |           | 60 - 120 | 06/28/21 15:04 | 06/30/21 21:25 | 5       |
| 2-Fluorophenol       | 80        |           | 52 - 120 | 06/28/21 15:04 | 06/30/21 21:25 | 5       |
| Nitrobenzene-d5      | 83        |           | 53 - 120 | 06/28/21 15:04 | 06/30/21 21:25 | 5       |
| p-Terphenyl-d14      | 88        |           | 79 - 130 | 06/28/21 15:04 | 06/30/21 21:25 | 5       |
| Phenol-d5            | 76        |           | 54 - 120 | 06/28/21 15:04 | 06/30/21 21:25 | 5       |

## Method: 8081B - Organochlorine Pesticides (GC)

| Analyte             | Result | Qualifier | RL  | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|--------|-----------|-----|------|-------|---|----------------|----------------|---------|
| 4,4'-DDD            | ND     |           | 2.3 | 0.44 | ug/Kg | ☆ | 06/28/21 07:45 | 06/29/21 16:46 | 1       |
| 4,4'-DDE            | 5.6    |           | 2.3 | 0.48 | ug/Kg | ☆ | 06/28/21 07:45 | 06/29/21 16:46 | 1       |
| 4,4'-DDT            | 1.7    | J         | 2.3 | 0.53 | ug/Kg | ☆ | 06/28/21 07:45 | 06/29/21 16:46 | 1       |
| Aldrin              | ND     |           | 2.3 | 0.56 | ug/Kg | ☆ | 06/28/21 07:45 | 06/29/21 16:46 | 1       |
| alpha-BHC           | ND     |           | 2.3 | 0.41 | ug/Kg | ☆ | 06/28/21 07:45 | 06/29/21 16:46 | 1       |
| beta-BHC            | 0.49   | J         | 2.3 | 0.41 | ug/Kg | ☆ | 06/28/21 07:45 | 06/29/21 16:46 | 1       |
| cis-Chlordane       | ND     |           | 2.3 | 1.1  | ug/Kg | ☆ | 06/28/21 07:45 | 06/29/21 16:46 | 1       |
| delta-BHC           | 0.73   | J B       | 2.3 | 0.42 | ug/Kg | ☆ | 06/28/21 07:45 | 06/29/21 16:46 | 1       |
| Dieldrin            | ND     |           | 2.3 | 0.55 | ug/Kg | ☆ | 06/28/21 07:45 | 06/29/21 16:46 | 1       |
| Endosulfan I        | ND     |           | 2.3 | 0.44 | ug/Kg | ☆ | 06/28/21 07:45 | 06/29/21 16:46 | 1       |
| Endosulfan II       | 0.56   | J         | 2.3 | 0.41 | ug/Kg | ☆ | 06/28/21 07:45 | 06/29/21 16:46 | 1       |
| Endosulfan sulfate  | ND     |           | 2.3 | 0.42 | ug/Kg | ☆ | 06/28/21 07:45 | 06/29/21 16:46 | 1       |
| Endrin              | ND     |           | 2.3 | 0.45 | ug/Kg | ☆ | 06/28/21 07:45 | 06/29/21 16:46 | 1       |
| Endrin aldehyde     | 1.1    | J B       | 2.3 | 0.58 | ug/Kg | ☆ | 06/28/21 07:45 | 06/29/21 16:46 | 1       |
| Endrin ketone       | ND     |           | 2.3 | 0.56 | ug/Kg | ☆ | 06/28/21 07:45 | 06/29/21 16:46 | 1       |
| gamma-BHC (Lindane) | 0.74   | J B       | 2.3 | 0.42 | ug/Kg | ☆ | 06/28/21 07:45 | 06/29/21 16:46 | 1       |
| Heptachlor          | ND     |           | 2.3 | 0.49 | ug/Kg | ☆ | 06/28/21 07:45 | 06/29/21 16:46 | 1       |
| Heptachlor epoxide  | ND     |           | 2.3 | 0.59 | ug/Kg | ☆ | 06/28/21 07:45 | 06/29/21 16:46 | 1       |
| Methoxychlor        | ND     |           | 2.3 | 0.46 | ug/Kg | ☆ | 06/28/21 07:45 | 06/29/21 16:46 | 1       |
| Mirex               | ND     |           | 2.3 | 0.56 | ug/Kg | ☆ | 06/28/21 07:45 | 06/29/21 16:46 | 1       |
| Toxaphene           | ND     |           | 23  | 13   | ug/Kg | ☆ | 06/28/21 07:45 | 06/29/21 16:46 | 1       |
| trans-Chlordane     | 1.2    | J         | 2.3 | 0.72 | ug/Kg | ☆ | 06/28/21 07:45 | 06/29/21 16:46 | 1       |

Eurofins TestAmerica, Buffalo

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

Client Sample ID: SS-02-0002

Lab Sample ID: 480-186319-5

Date Collected: 06/21/21 09:50

Matrix: Solid

Date Received: 06/21/21 16:14

Percent Solids: 71.6

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| DCB Decachlorobiphenyl | 77        |           | 45 - 120 | 06/28/21 07:45 | 06/29/21 16:46 | 1       |
| DCB Decachlorobiphenyl | 88        |           | 45 - 120 | 06/28/21 07:45 | 06/29/21 16:46 | 1       |
| Tetrachloro-m-xylene   | 130       | S1+       | 30 - 124 | 06/28/21 07:45 | 06/29/21 16:46 | 1       |
| Tetrachloro-m-xylene   | 65        |           | 30 - 124 | 06/28/21 07:45 | 06/29/21 16:46 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| PCB-1016 | ND     |           | 0.27 | 0.052 | mg/Kg | ✱ | 06/26/21 11:52 | 06/28/21 03:26 | 1       |
| PCB-1221 | ND     |           | 0.27 | 0.052 | mg/Kg | ✱ | 06/26/21 11:52 | 06/28/21 03:26 | 1       |
| PCB-1232 | ND     |           | 0.27 | 0.052 | mg/Kg | ✱ | 06/26/21 11:52 | 06/28/21 03:26 | 1       |
| PCB-1242 | ND     |           | 0.27 | 0.052 | mg/Kg | ✱ | 06/26/21 11:52 | 06/28/21 03:26 | 1       |
| PCB-1248 | ND     |           | 0.27 | 0.052 | mg/Kg | ✱ | 06/26/21 11:52 | 06/28/21 03:26 | 1       |
| PCB-1254 | ND     |           | 0.27 | 0.12  | mg/Kg | ✱ | 06/26/21 11:52 | 06/28/21 03:26 | 1       |
| PCB-1260 | ND     |           | 0.27 | 0.12  | mg/Kg | ✱ | 06/26/21 11:52 | 06/28/21 03:26 | 1       |
| PCB-1262 | ND     |           | 0.27 | 0.12  | mg/Kg | ✱ | 06/26/21 11:52 | 06/28/21 03:26 | 1       |
| PCB-1268 | ND     |           | 0.27 | 0.12  | mg/Kg | ✱ | 06/26/21 11:52 | 06/28/21 03:26 | 1       |

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| Tetrachloro-m-xylene   | 135       |           | 60 - 154 | 06/26/21 11:52 | 06/28/21 03:26 | 1       |
| Tetrachloro-m-xylene   | 139       |           | 60 - 154 | 06/26/21 11:52 | 06/28/21 03:26 | 1       |
| DCB Decachlorobiphenyl | 127       |           | 65 - 174 | 06/26/21 11:52 | 06/28/21 03:26 | 1       |
| DCB Decachlorobiphenyl | 91        |           | 65 - 174 | 06/26/21 11:52 | 06/28/21 03:26 | 1       |

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

Client Sample ID: SS-02-0212

Lab Sample ID: 480-186319-6

Date Collected: 06/21/21 09:55

Matrix: Solid

Date Received: 06/21/21 16:14

Percent Solids: 80.7

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

| Analyte                       | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|--------|-----------|------|------|-------|---|----------------|----------------|---------|
| 2,4,5-Trichlorophenol         | ND     |           | 210  | 56   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 21:49 | 1       |
| 2,4,6-Trichlorophenol         | ND     |           | 210  | 41   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 21:49 | 1       |
| 2,4-Dichlorophenol            | ND     |           | 210  | 22   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 21:49 | 1       |
| 2,4-Dimethylphenol            | ND     |           | 210  | 50   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 21:49 | 1       |
| 2,4-Dinitrophenol             | ND     |           | 2000 | 950  | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 21:49 | 1       |
| 2,4-Dinitrotoluene            | ND     |           | 210  | 42   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 21:49 | 1       |
| 2,6-Dinitrotoluene            | ND     |           | 210  | 24   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 21:49 | 1       |
| 2-Chloronaphthalene           | ND     |           | 210  | 34   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 21:49 | 1       |
| 2-Chlorophenol                | ND     |           | 400  | 37   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 21:49 | 1       |
| 2-Methylnaphthalene           | ND     |           | 210  | 41   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 21:49 | 1       |
| 2-Methylphenol                | ND     |           | 210  | 24   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 21:49 | 1       |
| 2-Nitroaniline                | ND     |           | 400  | 30   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 21:49 | 1       |
| 2-Nitrophenol                 | ND     |           | 210  | 58   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 21:49 | 1       |
| 3,3'-Dichlorobenzidine        | ND     |           | 400  | 240  | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 21:49 | 1       |
| 3-Nitroaniline                | ND     |           | 400  | 57   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 21:49 | 1       |
| 4,6-Dinitro-2-methylphenol    | ND     |           | 400  | 210  | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 21:49 | 1       |
| 4-Bromophenyl phenyl ether    | ND     |           | 210  | 29   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 21:49 | 1       |
| 4-Chloro-3-methylphenol       | ND     |           | 210  | 51   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 21:49 | 1       |
| 4-Chloroaniline               | ND     |           | 210  | 51   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 21:49 | 1       |
| 4-Chlorophenyl phenyl ether   | ND     |           | 210  | 25   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 21:49 | 1       |
| 4-Methylphenol                | ND     |           | 400  | 24   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 21:49 | 1       |
| 4-Nitroaniline                | ND     |           | 400  | 110  | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 21:49 | 1       |
| 4-Nitrophenol                 | ND     |           | 400  | 140  | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 21:49 | 1       |
| Acenaphthene                  | ND     |           | 210  | 30   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 21:49 | 1       |
| Acenaphthylene                | ND     |           | 210  | 27   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 21:49 | 1       |
| Acetophenone                  | ND     |           | 210  | 28   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 21:49 | 1       |
| Anthracene                    | ND     |           | 210  | 51   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 21:49 | 1       |
| Atrazine                      | ND     |           | 210  | 71   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 21:49 | 1       |
| Benzaldehyde                  | ND     |           | 210  | 160  | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 21:49 | 1       |
| Benzo(a)anthracene            | ND     |           | 210  | 21   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 21:49 | 1       |
| Benzo(a)pyrene                | ND     |           | 210  | 30   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 21:49 | 1       |
| Benzo(b)fluoranthene          | ND     |           | 210  | 33   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 21:49 | 1       |
| Benzo(g,h,i)perylene          | ND     |           | 210  | 22   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 21:49 | 1       |
| Benzo(k)fluoranthene          | ND     |           | 210  | 27   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 21:49 | 1       |
| Benzoic acid                  | ND     |           | 5800 | 1800 | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 21:49 | 1       |
| Biphenyl                      | ND     |           | 210  | 30   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 21:49 | 1       |
| bis (2-chloroisopropyl) ether | ND     |           | 210  | 41   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 21:49 | 1       |
| Bis(2-chloroethoxy)methane    | ND     |           | 210  | 43   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 21:49 | 1       |
| Bis(2-chloroethyl)ether       | ND     |           | 210  | 27   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 21:49 | 1       |
| Bis(2-ethylhexyl) phthalate   | ND     |           | 210  | 70   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 21:49 | 1       |
| Butyl benzyl phthalate        | ND     |           | 210  | 34   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 21:49 | 1       |
| Caprolactam                   | ND     |           | 210  | 62   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 21:49 | 1       |
| Carbazole                     | ND     |           | 210  | 24   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 21:49 | 1       |
| Chrysene                      | ND     |           | 210  | 46   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 21:49 | 1       |
| Dibenz(a,h)anthracene         | ND     |           | 210  | 36   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 21:49 | 1       |
| Dibenzofuran                  | ND     |           | 210  | 24   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 21:49 | 1       |
| Diethyl phthalate             | ND     |           | 210  | 27   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 21:49 | 1       |
| Dimethyl phthalate            | ND     |           | 210  | 24   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 21:49 | 1       |
| Di-n-butyl phthalate          | 140    | J B       | 210  | 35   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 21:49 | 1       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

Client Sample ID: SS-02-0212

Lab Sample ID: 480-186319-6

Date Collected: 06/21/21 09:55

Matrix: Solid

Date Received: 06/21/21 16:14

Percent Solids: 80.7

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

| Analyte                   | Result | Qualifier | RL  | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------------|--------|-----------|-----|-----|-------|---|----------------|----------------|---------|
| Di-n-octyl phthalate      | ND     |           | 210 | 24  | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 21:49 | 1       |
| Fluoranthene              | ND     |           | 210 | 22  | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 21:49 | 1       |
| Fluorene                  | ND     |           | 210 | 24  | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 21:49 | 1       |
| Hexachlorobenzene         | ND     |           | 210 | 28  | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 21:49 | 1       |
| Hexachlorobutadiene       | ND     |           | 210 | 30  | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 21:49 | 1       |
| Hexachlorocyclopentadiene | ND     |           | 210 | 28  | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 21:49 | 1       |
| Hexachloroethane          | ND     |           | 210 | 27  | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 21:49 | 1       |
| Indeno(1,2,3-cd)pyrene    | ND     |           | 210 | 25  | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 21:49 | 1       |
| Isophorone                | ND     |           | 210 | 43  | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 21:49 | 1       |
| Naphthalene               | ND     |           | 210 | 27  | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 21:49 | 1       |
| Nitrobenzene              | ND     |           | 210 | 23  | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 21:49 | 1       |
| N-Nitrosodi-n-propylamine | ND     |           | 210 | 35  | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 21:49 | 1       |
| N-Nitrosodiphenylamine    | ND     |           | 210 | 170 | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 21:49 | 1       |
| Pentachlorophenol         | ND     |           | 400 | 210 | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 21:49 | 1       |
| Phenanthrene              | ND     |           | 210 | 30  | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 21:49 | 1       |
| Phenol                    | 42     | J         | 210 | 31  | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 21:49 | 1       |
| Pyrene                    | ND     |           | 210 | 24  | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 21:49 | 1       |

| Surrogate            | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 2,4,6-Tribromophenol | 86        |           | 54 - 120 | 06/28/21 15:04 | 06/30/21 21:49 | 1       |
| 2-Fluorobiphenyl     | 88        |           | 60 - 120 | 06/28/21 15:04 | 06/30/21 21:49 | 1       |
| 2-Fluorophenol       | 81        |           | 52 - 120 | 06/28/21 15:04 | 06/30/21 21:49 | 1       |
| Nitrobenzene-d5      | 86        |           | 53 - 120 | 06/28/21 15:04 | 06/30/21 21:49 | 1       |
| p-Terphenyl-d14      | 91        |           | 79 - 130 | 06/28/21 15:04 | 06/30/21 21:49 | 1       |
| Phenol-d5            | 80        |           | 54 - 120 | 06/28/21 15:04 | 06/30/21 21:49 | 1       |

## Method: 8081B - Organochlorine Pesticides (GC)

| Analyte             | Result | Qualifier | RL  | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|--------|-----------|-----|------|-------|---|----------------|----------------|---------|
| 4,4'-DDD            | ND     |           | 2.1 | 0.40 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 17:05 | 1       |
| 4,4'-DDE            | 7.9    |           | 2.1 | 0.43 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 17:05 | 1       |
| 4,4'-DDT            | 1.5    | J         | 2.1 | 0.48 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 17:05 | 1       |
| Aldrin              | ND     |           | 2.1 | 0.51 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 17:05 | 1       |
| alpha-BHC           | ND     |           | 2.1 | 0.37 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 17:05 | 1       |
| beta-BHC            | 0.45   | J         | 2.1 | 0.37 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 17:05 | 1       |
| cis-Chlordane       | ND     |           | 2.1 | 1.0  | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 17:05 | 1       |
| delta-BHC           | 0.72   | J B       | 2.1 | 0.38 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 17:05 | 1       |
| Dieldrin            | ND     |           | 2.1 | 0.49 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 17:05 | 1       |
| Endosulfan I        | ND     |           | 2.1 | 0.40 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 17:05 | 1       |
| Endosulfan II       | 0.42   | J         | 2.1 | 0.37 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 17:05 | 1       |
| Endosulfan sulfate  | ND     |           | 2.1 | 0.38 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 17:05 | 1       |
| Endrin              | ND     |           | 2.1 | 0.41 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 17:05 | 1       |
| Endrin aldehyde     | 1.2    | J B       | 2.1 | 0.53 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 17:05 | 1       |
| Endrin ketone       | ND     |           | 2.1 | 0.51 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 17:05 | 1       |
| gamma-BHC (Lindane) | 0.81   | J B       | 2.1 | 0.38 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 17:05 | 1       |
| Heptachlor          | ND     |           | 2.1 | 0.45 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 17:05 | 1       |
| Heptachlor epoxide  | ND     |           | 2.1 | 0.53 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 17:05 | 1       |
| Methoxychlor        | ND     |           | 2.1 | 0.42 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 17:05 | 1       |
| Mirex               | ND     |           | 2.1 | 0.50 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 17:05 | 1       |
| Toxaphene           | ND     |           | 2.1 | 12   | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 17:05 | 1       |
| trans-Chlordane     | 1.3    | J         | 2.1 | 0.65 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 17:05 | 1       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

Client Sample ID: SS-02-0212

Lab Sample ID: 480-186319-6

Date Collected: 06/21/21 09:55

Matrix: Solid

Date Received: 06/21/21 16:14

Percent Solids: 80.7

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| DCB Decachlorobiphenyl | 90        |           | 45 - 120 | 06/28/21 07:45 | 06/29/21 17:05 | 1       |
| DCB Decachlorobiphenyl | 128       | S1+       | 45 - 120 | 06/28/21 07:45 | 06/29/21 17:05 | 1       |
| Tetrachloro-m-xylene   | 116       |           | 30 - 124 | 06/28/21 07:45 | 06/29/21 17:05 | 1       |
| Tetrachloro-m-xylene   | 93        |           | 30 - 124 | 06/28/21 07:45 | 06/29/21 17:05 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| PCB-1016 | ND     |           | 0.28 | 0.054 | mg/Kg | ☆ | 06/26/21 11:52 | 06/28/21 03:39 | 1       |
| PCB-1221 | ND     |           | 0.28 | 0.054 | mg/Kg | ☆ | 06/26/21 11:52 | 06/28/21 03:39 | 1       |
| PCB-1232 | ND     |           | 0.28 | 0.054 | mg/Kg | ☆ | 06/26/21 11:52 | 06/28/21 03:39 | 1       |
| PCB-1242 | ND     |           | 0.28 | 0.054 | mg/Kg | ☆ | 06/26/21 11:52 | 06/28/21 03:39 | 1       |
| PCB-1248 | ND     |           | 0.28 | 0.054 | mg/Kg | ☆ | 06/26/21 11:52 | 06/28/21 03:39 | 1       |
| PCB-1254 | ND     |           | 0.28 | 0.13  | mg/Kg | ☆ | 06/26/21 11:52 | 06/28/21 03:39 | 1       |
| PCB-1260 | ND     |           | 0.28 | 0.13  | mg/Kg | ☆ | 06/26/21 11:52 | 06/28/21 03:39 | 1       |
| PCB-1262 | ND     |           | 0.28 | 0.13  | mg/Kg | ☆ | 06/26/21 11:52 | 06/28/21 03:39 | 1       |
| PCB-1268 | ND     |           | 0.28 | 0.13  | mg/Kg | ☆ | 06/26/21 11:52 | 06/28/21 03:39 | 1       |

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| Tetrachloro-m-xylene   | 150       |           | 60 - 154 | 06/26/21 11:52 | 06/28/21 03:39 | 1       |
| Tetrachloro-m-xylene   | 153       |           | 60 - 154 | 06/26/21 11:52 | 06/28/21 03:39 | 1       |
| DCB Decachlorobiphenyl | 143       |           | 65 - 174 | 06/26/21 11:52 | 06/28/21 03:39 | 1       |
| DCB Decachlorobiphenyl | 105       |           | 65 - 174 | 06/26/21 11:52 | 06/28/21 03:39 | 1       |

## Method: 6010C - Metals (ICP)

| Analyte   | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| Aluminum  | 12600  |           | 11.8 | 5.2   | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 00:31 | 1       |
| Antimony  | ND     |           | 17.7 | 0.47  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 00:31 | 1       |
| Arsenic   | 4.0    |           | 2.4  | 0.47  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 00:31 | 1       |
| Barium    | 79.2   | ^6+       | 0.59 | 0.13  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 00:31 | 1       |
| Beryllium | 0.59   |           | 0.24 | 0.033 | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 00:31 | 1       |
| Cadmium   | 0.22   | J         | 0.24 | 0.035 | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 00:31 | 1       |
| Calcium   | 45900  | B         | 59.1 | 3.9   | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 00:31 | 1       |
| Chromium  | 17.8   |           | 0.59 | 0.24  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 00:31 | 1       |
| Cobalt    | 9.5    |           | 0.59 | 0.059 | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 00:31 | 1       |
| Copper    | 17.1   |           | 1.2  | 0.25  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 00:31 | 1       |
| Iron      | 18300  |           | 11.8 | 4.1   | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 00:31 | 1       |
| Lead      | 12.0   |           | 1.2  | 0.28  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 00:31 | 1       |
| Magnesium | 15600  | B         | 23.7 | 1.1   | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 00:31 | 1       |
| Manganese | 443    | B         | 0.24 | 0.038 | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 00:31 | 1       |
| Nickel    | 22.4   |           | 5.9  | 0.27  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 00:31 | 1       |
| Potassium | 3650   | B         | 35.5 | 23.7  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 00:31 | 1       |
| Selenium  | ND     |           | 4.7  | 0.47  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 00:31 | 1       |
| Silver    | 0.29   | J         | 0.71 | 0.24  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 00:31 | 1       |
| Sodium    | 243    | B         | 166  | 15.4  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 00:31 | 1       |
| Thallium  | ND     |           | 7.1  | 0.35  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 00:31 | 1       |
| Vanadium  | 28.4   |           | 0.59 | 0.13  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 00:31 | 1       |
| Zinc      | 53.4   |           | 2.4  | 0.76  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 00:31 | 1       |

## Method: 7471B - Mercury (CVAA)

| Analyte | Result | Qualifier | RL    | MDL    | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------|--------|-----------|-------|--------|-------|---|----------------|----------------|---------|
| Mercury | 0.11   |           | 0.023 | 0.0053 | mg/Kg | ☆ | 06/23/21 16:00 | 06/23/21 18:47 | 1       |

Eurofins TestAmerica, Buffalo

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

Client Sample ID: SS-03-0002

Lab Sample ID: 480-186319-7

Date Collected: 06/21/21 10:25

Matrix: Solid

Date Received: 06/21/21 16:14

Percent Solids: 72.3

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

| Analyte                       | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|--------|-----------|------|------|-------|---|----------------|----------------|---------|
| 2,4,5-Trichlorophenol         | ND     |           | 230  | 63   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 22:13 | 1       |
| 2,4,6-Trichlorophenol         | ND     |           | 230  | 46   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 22:13 | 1       |
| 2,4-Dichlorophenol            | ND     |           | 230  | 25   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 22:13 | 1       |
| 2,4-Dimethylphenol            | ND     |           | 230  | 56   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 22:13 | 1       |
| 2,4-Dinitrophenol             | ND     |           | 2300 | 1100 | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 22:13 | 1       |
| 2,4-Dinitrotoluene            | ND     |           | 230  | 48   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 22:13 | 1       |
| 2,6-Dinitrotoluene            | ND     |           | 230  | 27   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 22:13 | 1       |
| 2-Chloronaphthalene           | ND     |           | 230  | 38   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 22:13 | 1       |
| 2-Chlorophenol                | ND     |           | 450  | 42   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 22:13 | 1       |
| 2-Methylnaphthalene           | ND     |           | 230  | 46   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 22:13 | 1       |
| 2-Methylphenol                | ND     |           | 230  | 27   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 22:13 | 1       |
| 2-Nitroaniline                | ND     |           | 450  | 34   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 22:13 | 1       |
| 2-Nitrophenol                 | ND     |           | 230  | 65   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 22:13 | 1       |
| 3,3'-Dichlorobenzidine        | ND     |           | 450  | 270  | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 22:13 | 1       |
| 3-Nitroaniline                | ND     |           | 450  | 64   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 22:13 | 1       |
| 4,6-Dinitro-2-methylphenol    | ND     |           | 450  | 230  | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 22:13 | 1       |
| 4-Bromophenyl phenyl ether    | ND     |           | 230  | 33   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 22:13 | 1       |
| 4-Chloro-3-methylphenol       | ND     |           | 230  | 57   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 22:13 | 1       |
| 4-Chloroaniline               | ND     |           | 230  | 57   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 22:13 | 1       |
| 4-Chlorophenyl phenyl ether   | ND     |           | 230  | 29   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 22:13 | 1       |
| 4-Methylphenol                | ND     |           | 450  | 27   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 22:13 | 1       |
| 4-Nitroaniline                | ND     |           | 450  | 120  | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 22:13 | 1       |
| 4-Nitrophenol                 | ND     |           | 450  | 160  | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 22:13 | 1       |
| Acenaphthene                  | ND     |           | 230  | 34   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 22:13 | 1       |
| Acenaphthylene                | ND     |           | 230  | 30   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 22:13 | 1       |
| Acetophenone                  | ND     |           | 230  | 31   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 22:13 | 1       |
| Anthracene                    | ND     |           | 230  | 57   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 22:13 | 1       |
| Atrazine                      | ND     |           | 230  | 80   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 22:13 | 1       |
| Benzaldehyde                  | ND     |           | 230  | 180  | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 22:13 | 1       |
| Benzo(a)anthracene            | ND     |           | 230  | 23   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 22:13 | 1       |
| Benzo(a)pyrene                | ND     |           | 230  | 34   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 22:13 | 1       |
| Benzo(b)fluoranthene          | ND     |           | 230  | 37   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 22:13 | 1       |
| Benzo(g,h,i)perylene          | ND     |           | 230  | 25   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 22:13 | 1       |
| Benzo(k)fluoranthene          | ND     |           | 230  | 30   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 22:13 | 1       |
| Benzoic acid                  | ND     |           | 6500 | 2000 | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 22:13 | 1       |
| Biphenyl                      | ND     |           | 230  | 34   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 22:13 | 1       |
| bis (2-chloroisopropyl) ether | ND     |           | 230  | 46   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 22:13 | 1       |
| Bis(2-chloroethoxy)methane    | ND     |           | 230  | 49   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 22:13 | 1       |
| Bis(2-chloroethyl)ether       | ND     |           | 230  | 30   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 22:13 | 1       |
| Bis(2-ethylhexyl) phthalate   | 220    | J         | 230  | 79   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 22:13 | 1       |
| Butyl benzyl phthalate        | ND     |           | 230  | 38   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 22:13 | 1       |
| Caprolactam                   | ND     |           | 230  | 69   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 22:13 | 1       |
| Carbazole                     | ND     |           | 230  | 27   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 22:13 | 1       |
| Chrysene                      | ND     |           | 230  | 52   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 22:13 | 1       |
| Dibenz(a,h)anthracene         | ND     |           | 230  | 41   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 22:13 | 1       |
| Dibenzofuran                  | ND     |           | 230  | 27   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 22:13 | 1       |
| Diethyl phthalate             | ND     |           | 230  | 30   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 22:13 | 1       |
| Dimethyl phthalate            | ND     |           | 230  | 27   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 22:13 | 1       |
| Di-n-butyl phthalate          | 210    | J B       | 230  | 40   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 22:13 | 1       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

Client Sample ID: SS-03-0002

Lab Sample ID: 480-186319-7

Date Collected: 06/21/21 10:25

Matrix: Solid

Date Received: 06/21/21 16:14

Percent Solids: 72.3

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

| Analyte                   | Result | Qualifier | RL  | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------------|--------|-----------|-----|-----|-------|---|----------------|----------------|---------|
| Di-n-octyl phthalate      | ND     |           | 230 | 27  | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 22:13 | 1       |
| Fluoranthene              | ND     |           | 230 | 25  | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 22:13 | 1       |
| Fluorene                  | ND     |           | 230 | 27  | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 22:13 | 1       |
| Hexachlorobenzene         | ND     |           | 230 | 31  | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 22:13 | 1       |
| Hexachlorobutadiene       | ND     |           | 230 | 34  | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 22:13 | 1       |
| Hexachlorocyclopentadiene | ND     |           | 230 | 31  | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 22:13 | 1       |
| Hexachloroethane          | ND     |           | 230 | 30  | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 22:13 | 1       |
| Indeno(1,2,3-cd)pyrene    | ND     |           | 230 | 29  | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 22:13 | 1       |
| Isophorone                | ND     |           | 230 | 49  | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 22:13 | 1       |
| Naphthalene               | ND     |           | 230 | 30  | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 22:13 | 1       |
| Nitrobenzene              | ND     |           | 230 | 26  | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 22:13 | 1       |
| N-Nitrosodi-n-propylamine | ND     |           | 230 | 40  | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 22:13 | 1       |
| N-Nitrosodiphenylamine    | ND     |           | 230 | 190 | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 22:13 | 1       |
| Pentachlorophenol         | ND     |           | 450 | 230 | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 22:13 | 1       |
| Phenanthrene              | ND     |           | 230 | 34  | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 22:13 | 1       |
| Phenol                    | ND     |           | 230 | 35  | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 22:13 | 1       |
| Pyrene                    | ND     |           | 230 | 27  | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 22:13 | 1       |

| Surrogate            | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 2,4,6-Tribromophenol | 96        |           | 54 - 120 | 06/28/21 15:04 | 06/30/21 22:13 | 1       |
| 2-Fluorobiphenyl     | 93        |           | 60 - 120 | 06/28/21 15:04 | 06/30/21 22:13 | 1       |
| 2-Fluorophenol       | 85        |           | 52 - 120 | 06/28/21 15:04 | 06/30/21 22:13 | 1       |
| Nitrobenzene-d5      | 88        |           | 53 - 120 | 06/28/21 15:04 | 06/30/21 22:13 | 1       |
| p-Terphenyl-d14      | 102       |           | 79 - 130 | 06/28/21 15:04 | 06/30/21 22:13 | 1       |
| Phenol-d5            | 85        |           | 54 - 120 | 06/28/21 15:04 | 06/30/21 22:13 | 1       |

## Method: 8081B - Organochlorine Pesticides (GC)

| Analyte             | Result | Qualifier | RL  | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|--------|-----------|-----|------|-------|---|----------------|----------------|---------|
| 4,4'-DDD            | 1.8    | J         | 2.3 | 0.44 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 17:25 | 1       |
| 4,4'-DDE            | 2.2    | J         | 2.3 | 0.48 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 17:25 | 1       |
| 4,4'-DDT            | 8.1    |           | 2.3 | 0.53 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 17:25 | 1       |
| Aldrin              | ND     |           | 2.3 | 0.56 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 17:25 | 1       |
| alpha-BHC           | ND     |           | 2.3 | 0.41 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 17:25 | 1       |
| beta-BHC            | ND     |           | 2.3 | 0.41 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 17:25 | 1       |
| cis-Chlordane       | ND     |           | 2.3 | 1.1  | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 17:25 | 1       |
| delta-BHC           | 0.89   | J B       | 2.3 | 0.42 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 17:25 | 1       |
| Dieldrin            | 3.5    |           | 2.3 | 0.54 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 17:25 | 1       |
| Endosulfan I        | ND     |           | 2.3 | 0.43 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 17:25 | 1       |
| Endosulfan II       | ND     |           | 2.3 | 0.41 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 17:25 | 1       |
| Endosulfan sulfate  | ND     |           | 2.3 | 0.42 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 17:25 | 1       |
| Endrin              | 1.3    | J         | 2.3 | 0.45 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 17:25 | 1       |
| Endrin aldehyde     | 1.7    | J B       | 2.3 | 0.58 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 17:25 | 1       |
| Endrin ketone       | ND     |           | 2.3 | 0.56 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 17:25 | 1       |
| gamma-BHC (Lindane) | 0.78   | J B       | 2.3 | 0.42 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 17:25 | 1       |
| Heptachlor          | ND     |           | 2.3 | 0.49 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 17:25 | 1       |
| Heptachlor epoxide  | ND     |           | 2.3 | 0.58 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 17:25 | 1       |
| Methoxychlor        | ND     |           | 2.3 | 0.46 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 17:25 | 1       |
| Mirex               | ND     |           | 2.3 | 0.55 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 17:25 | 1       |
| Toxaphene           | ND     |           | 23  | 13   | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 17:25 | 1       |
| trans-Chlordane     | 1.4    | J         | 2.3 | 0.72 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 17:25 | 1       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

Client Sample ID: SS-03-0002

Lab Sample ID: 480-186319-7

Date Collected: 06/21/21 10:25

Matrix: Solid

Date Received: 06/21/21 16:14

Percent Solids: 72.3

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| DCB Decachlorobiphenyl | 99        |           | 45 - 120 | 06/28/21 07:45 | 06/29/21 17:25 | 1       |
| DCB Decachlorobiphenyl | 113       |           | 45 - 120 | 06/28/21 07:45 | 06/29/21 17:25 | 1       |
| Tetrachloro-m-xylene   | 98        |           | 30 - 124 | 06/28/21 07:45 | 06/29/21 17:25 | 1       |
| Tetrachloro-m-xylene   | 74        |           | 30 - 124 | 06/28/21 07:45 | 06/29/21 17:25 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| PCB-1016 | ND     |           | 0.30 | 0.060 | mg/Kg | ☆ | 06/26/21 11:52 | 06/28/21 03:52 | 1       |
| PCB-1221 | ND     |           | 0.30 | 0.060 | mg/Kg | ☆ | 06/26/21 11:52 | 06/28/21 03:52 | 1       |
| PCB-1232 | ND     |           | 0.30 | 0.060 | mg/Kg | ☆ | 06/26/21 11:52 | 06/28/21 03:52 | 1       |
| PCB-1242 | ND     |           | 0.30 | 0.060 | mg/Kg | ☆ | 06/26/21 11:52 | 06/28/21 03:52 | 1       |
| PCB-1248 | ND     |           | 0.30 | 0.060 | mg/Kg | ☆ | 06/26/21 11:52 | 06/28/21 03:52 | 1       |
| PCB-1254 | ND     |           | 0.30 | 0.14  | mg/Kg | ☆ | 06/26/21 11:52 | 06/28/21 03:52 | 1       |
| PCB-1260 | 0.14   | J         | 0.30 | 0.14  | mg/Kg | ☆ | 06/26/21 11:52 | 06/28/21 03:52 | 1       |
| PCB-1262 | ND     |           | 0.30 | 0.14  | mg/Kg | ☆ | 06/26/21 11:52 | 06/28/21 03:52 | 1       |
| PCB-1268 | ND     |           | 0.30 | 0.14  | mg/Kg | ☆ | 06/26/21 11:52 | 06/28/21 03:52 | 1       |

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| Tetrachloro-m-xylene   | 149       |           | 60 - 154 | 06/26/21 11:52 | 06/28/21 03:52 | 1       |
| Tetrachloro-m-xylene   | 149       |           | 60 - 154 | 06/26/21 11:52 | 06/28/21 03:52 | 1       |
| DCB Decachlorobiphenyl | 137       |           | 65 - 174 | 06/26/21 11:52 | 06/28/21 03:52 | 1       |
| DCB Decachlorobiphenyl | 106       |           | 65 - 174 | 06/26/21 11:52 | 06/28/21 03:52 | 1       |

## Method: 6010C - Metals (ICP)

| Analyte   | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| Aluminum  | 7380   |           | 14.5 | 6.4   | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 00:35 | 1       |
| Antimony  | ND     |           | 21.7 | 0.58  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 00:35 | 1       |
| Arsenic   | 2.0    | J         | 2.9  | 0.58  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 00:35 | 1       |
| Barium    | 52.3   | ^6+       | 0.72 | 0.16  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 00:35 | 1       |
| Beryllium | 0.33   |           | 0.29 | 0.041 | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 00:35 | 1       |
| Cadmium   | 0.86   |           | 0.29 | 0.043 | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 00:35 | 1       |
| Calcium   | 33300  | B         | 72.4 | 4.8   | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 00:35 | 1       |
| Chromium  | 12.9   |           | 0.72 | 0.29  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 00:35 | 1       |
| Cobalt    | 5.0    |           | 0.72 | 0.072 | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 00:35 | 1       |
| Copper    | 20.4   |           | 1.4  | 0.30  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 00:35 | 1       |
| Iron      | 12500  |           | 14.5 | 5.1   | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 00:35 | 1       |
| Lead      | 28.9   |           | 1.4  | 0.35  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 00:35 | 1       |
| Magnesium | 12200  | B         | 29.0 | 1.3   | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 00:35 | 1       |
| Manganese | 303    | B         | 0.29 | 0.046 | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 00:35 | 1       |
| Nickel    | 16.8   |           | 7.2  | 0.33  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 00:35 | 1       |
| Potassium | 1650   | B         | 43.4 | 29.0  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 00:35 | 1       |
| Selenium  | ND     |           | 5.8  | 0.58  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 00:35 | 1       |
| Silver    | 0.72   | J         | 0.87 | 0.29  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 00:35 | 1       |
| Sodium    | 155    | J B       | 203  | 18.8  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 00:35 | 1       |
| Thallium  | ND     |           | 8.7  | 0.43  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 00:35 | 1       |
| Vanadium  | 19.9   |           | 0.72 | 0.16  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 00:35 | 1       |
| Zinc      | 92.0   |           | 2.9  | 0.93  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 00:35 | 1       |

## Method: 7471B - Mercury (CVAA)

| Analyte | Result | Qualifier | RL    | MDL    | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------|--------|-----------|-------|--------|-------|---|----------------|----------------|---------|
| Mercury | 0.17   |           | 0.023 | 0.0053 | mg/Kg | ☆ | 06/23/21 16:00 | 06/23/21 18:49 | 1       |

Eurofins TestAmerica, Buffalo

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

Client Sample ID: SS-03-0212

Lab Sample ID: 480-186319-8

Date Collected: 06/21/21 10:30

Matrix: Solid

Date Received: 06/21/21 16:14

Percent Solids: 83.9

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

| Analyte                       | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|--------|-----------|------|------|-------|---|----------------|----------------|---------|
| 2,4,5-Trichlorophenol         | ND     |           | 200  | 53   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 22:36 | 1       |
| 2,4,6-Trichlorophenol         | ND     |           | 200  | 39   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 22:36 | 1       |
| 2,4-Dichlorophenol            | ND     |           | 200  | 21   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 22:36 | 1       |
| 2,4-Dimethylphenol            | ND     |           | 200  | 48   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 22:36 | 1       |
| 2,4-Dinitrophenol             | ND     |           | 1900 | 910  | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 22:36 | 1       |
| 2,4-Dinitrotoluene            | ND     |           | 200  | 41   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 22:36 | 1       |
| 2,6-Dinitrotoluene            | ND     |           | 200  | 23   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 22:36 | 1       |
| 2-Chloronaphthalene           | ND     |           | 200  | 33   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 22:36 | 1       |
| 2-Chlorophenol                | ND     |           | 380  | 36   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 22:36 | 1       |
| 2-Methylnaphthalene           | ND     |           | 200  | 39   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 22:36 | 1       |
| 2-Methylphenol                | ND     |           | 200  | 23   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 22:36 | 1       |
| 2-Nitroaniline                | ND     |           | 380  | 29   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 22:36 | 1       |
| 2-Nitrophenol                 | ND     |           | 200  | 56   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 22:36 | 1       |
| 3,3'-Dichlorobenzidine        | ND     |           | 380  | 230  | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 22:36 | 1       |
| 3-Nitroaniline                | ND     |           | 380  | 55   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 22:36 | 1       |
| 4,6-Dinitro-2-methylphenol    | ND     |           | 380  | 200  | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 22:36 | 1       |
| 4-Bromophenyl phenyl ether    | ND     |           | 200  | 28   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 22:36 | 1       |
| 4-Chloro-3-methylphenol       | ND     |           | 200  | 49   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 22:36 | 1       |
| 4-Chloroaniline               | ND     |           | 200  | 49   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 22:36 | 1       |
| 4-Chlorophenyl phenyl ether   | ND     |           | 200  | 24   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 22:36 | 1       |
| 4-Methylphenol                | ND     |           | 380  | 23   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 22:36 | 1       |
| 4-Nitroaniline                | ND     |           | 380  | 100  | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 22:36 | 1       |
| 4-Nitrophenol                 | ND     |           | 380  | 140  | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 22:36 | 1       |
| Acenaphthene                  | ND     |           | 200  | 29   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 22:36 | 1       |
| Acenaphthylene                | ND     |           | 200  | 26   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 22:36 | 1       |
| Acetophenone                  | ND     |           | 200  | 27   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 22:36 | 1       |
| Anthracene                    | ND     |           | 200  | 49   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 22:36 | 1       |
| Atrazine                      | ND     |           | 200  | 68   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 22:36 | 1       |
| Benzaldehyde                  | ND     |           | 200  | 160  | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 22:36 | 1       |
| Benzo(a)anthracene            | ND     |           | 200  | 20   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 22:36 | 1       |
| Benzo(a)pyrene                | ND     |           | 200  | 29   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 22:36 | 1       |
| Benzo(b)fluoranthene          | ND     |           | 200  | 31   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 22:36 | 1       |
| Benzo(g,h,i)perylene          | ND     |           | 200  | 21   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 22:36 | 1       |
| Benzo(k)fluoranthene          | ND     |           | 200  | 26   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 22:36 | 1       |
| Benzoic acid                  | ND     |           | 5600 | 1700 | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 22:36 | 1       |
| Biphenyl                      | ND     |           | 200  | 29   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 22:36 | 1       |
| bis (2-chloroisopropyl) ether | ND     |           | 200  | 39   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 22:36 | 1       |
| Bis(2-chloroethoxy)methane    | ND     |           | 200  | 42   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 22:36 | 1       |
| Bis(2-chloroethyl)ether       | ND     |           | 200  | 26   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 22:36 | 1       |
| Bis(2-ethylhexyl) phthalate   | 180    | J         | 200  | 67   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 22:36 | 1       |
| Butyl benzyl phthalate        | ND     |           | 200  | 33   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 22:36 | 1       |
| Caprolactam                   | ND     |           | 200  | 59   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 22:36 | 1       |
| Carbazole                     | ND     |           | 200  | 23   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 22:36 | 1       |
| Chrysene                      | ND     |           | 200  | 44   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 22:36 | 1       |
| Dibenz(a,h)anthracene         | ND     |           | 200  | 35   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 22:36 | 1       |
| Dibenzofuran                  | ND     |           | 200  | 23   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 22:36 | 1       |
| Diethyl phthalate             | ND     |           | 200  | 26   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 22:36 | 1       |
| Dimethyl phthalate            | ND     |           | 200  | 23   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 22:36 | 1       |
| Di-n-butyl phthalate          | 320    | B         | 200  | 34   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 22:36 | 1       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

Client Sample ID: SS-03-0212

Lab Sample ID: 480-186319-8

Date Collected: 06/21/21 10:30

Matrix: Solid

Date Received: 06/21/21 16:14

Percent Solids: 83.9

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

| Analyte                   | Result | Qualifier | RL  | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------------|--------|-----------|-----|-----|-------|---|----------------|----------------|---------|
| Di-n-octyl phthalate      | ND     |           | 200 | 23  | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 22:36 | 1       |
| Fluoranthene              | ND     |           | 200 | 21  | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 22:36 | 1       |
| Fluorene                  | ND     |           | 200 | 23  | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 22:36 | 1       |
| Hexachlorobenzene         | ND     |           | 200 | 27  | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 22:36 | 1       |
| Hexachlorobutadiene       | ND     |           | 200 | 29  | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 22:36 | 1       |
| Hexachlorocyclopentadiene | ND     |           | 200 | 27  | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 22:36 | 1       |
| Hexachloroethane          | ND     |           | 200 | 26  | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 22:36 | 1       |
| Indeno(1,2,3-cd)pyrene    | ND     |           | 200 | 24  | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 22:36 | 1       |
| Isophorone                | ND     |           | 200 | 42  | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 22:36 | 1       |
| Naphthalene               | ND     |           | 200 | 26  | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 22:36 | 1       |
| Nitrobenzene              | ND     |           | 200 | 22  | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 22:36 | 1       |
| N-Nitrosodi-n-propylamine | ND     |           | 200 | 34  | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 22:36 | 1       |
| N-Nitrosodiphenylamine    | ND     |           | 200 | 160 | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 22:36 | 1       |
| Pentachlorophenol         | ND     |           | 380 | 200 | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 22:36 | 1       |
| Phenanthrene              | ND     |           | 200 | 29  | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 22:36 | 1       |
| Phenol                    | ND     |           | 200 | 30  | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 22:36 | 1       |
| Pyrene                    | ND     |           | 200 | 23  | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 22:36 | 1       |

| Surrogate            | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 2,4,6-Tribromophenol | 95        |           | 54 - 120 | 06/28/21 15:04 | 06/30/21 22:36 | 1       |
| 2-Fluorobiphenyl     | 87        |           | 60 - 120 | 06/28/21 15:04 | 06/30/21 22:36 | 1       |
| 2-Fluorophenol       | 75        |           | 52 - 120 | 06/28/21 15:04 | 06/30/21 22:36 | 1       |
| Nitrobenzene-d5      | 79        |           | 53 - 120 | 06/28/21 15:04 | 06/30/21 22:36 | 1       |
| p-Terphenyl-d14      | 98        |           | 79 - 130 | 06/28/21 15:04 | 06/30/21 22:36 | 1       |
| Phenol-d5            | 75        |           | 54 - 120 | 06/28/21 15:04 | 06/30/21 22:36 | 1       |

## Method: 8081B - Organochlorine Pesticides (GC)

| Analyte             | Result | Qualifier | RL  | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|--------|-----------|-----|------|-------|---|----------------|----------------|---------|
| 4,4'-DDD            | 2.7    |           | 2.0 | 0.38 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 17:44 | 1       |
| 4,4'-DDE            | 1.9    | J         | 2.0 | 0.41 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 17:44 | 1       |
| 4,4'-DDT            | 5.9    |           | 2.0 | 0.46 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 17:44 | 1       |
| Aldrin              | ND     |           | 2.0 | 0.48 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 17:44 | 1       |
| alpha-BHC           | 0.75   | J         | 2.0 | 0.35 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 17:44 | 1       |
| beta-BHC            | 0.48   | J         | 2.0 | 0.35 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 17:44 | 1       |
| cis-Chlordane       | ND     |           | 2.0 | 0.98 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 17:44 | 1       |
| delta-BHC           | ND     |           | 2.0 | 0.36 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 17:44 | 1       |
| Dieldrin            | 2.4    |           | 2.0 | 0.47 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 17:44 | 1       |
| Endosulfan I        | 0.45   | J         | 2.0 | 0.38 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 17:44 | 1       |
| Endosulfan II       | 0.44   | J         | 2.0 | 0.35 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 17:44 | 1       |
| Endosulfan sulfate  | 0.56   | J         | 2.0 | 0.37 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 17:44 | 1       |
| Endrin              | 1.1    | J         | 2.0 | 0.39 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 17:44 | 1       |
| Endrin aldehyde     | 1.7    | J B       | 2.0 | 0.50 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 17:44 | 1       |
| Endrin ketone       | ND     |           | 2.0 | 0.48 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 17:44 | 1       |
| gamma-BHC (Lindane) | 0.68   | J B       | 2.0 | 0.36 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 17:44 | 1       |
| Heptachlor          | 0.66   | J         | 2.0 | 0.42 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 17:44 | 1       |
| Heptachlor epoxide  | 0.55   | J         | 2.0 | 0.51 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 17:44 | 1       |
| Methoxychlor        | ND     |           | 2.0 | 0.40 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 17:44 | 1       |
| Mirex               | ND     |           | 2.0 | 0.48 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 17:44 | 1       |
| Toxaphene           | ND     |           | 20  | 11   | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 17:44 | 1       |
| trans-Chlordane     | 1.8    | J         | 2.0 | 0.62 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 17:44 | 1       |

Eurofins TestAmerica, Buffalo

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

Client Sample ID: SS-03-0212

Lab Sample ID: 480-186319-8

Date Collected: 06/21/21 10:30

Matrix: Solid

Date Received: 06/21/21 16:14

Percent Solids: 83.9

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| DCB Decachlorobiphenyl | 85        |           | 45 - 120 | 06/28/21 07:45 | 06/29/21 17:44 | 1       |
| DCB Decachlorobiphenyl | 99        |           | 45 - 120 | 06/28/21 07:45 | 06/29/21 17:44 | 1       |
| Tetrachloro-m-xylene   | 79        |           | 30 - 124 | 06/28/21 07:45 | 06/29/21 17:44 | 1       |
| Tetrachloro-m-xylene   | 38        |           | 30 - 124 | 06/28/21 07:45 | 06/29/21 17:44 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| PCB-1016 | ND     |           | 0.23 | 0.045 | mg/Kg | ☆ | 06/26/21 11:52 | 06/28/21 04:05 | 1       |
| PCB-1221 | ND     |           | 0.23 | 0.045 | mg/Kg | ☆ | 06/26/21 11:52 | 06/28/21 04:05 | 1       |
| PCB-1232 | ND     |           | 0.23 | 0.045 | mg/Kg | ☆ | 06/26/21 11:52 | 06/28/21 04:05 | 1       |
| PCB-1242 | ND     |           | 0.23 | 0.045 | mg/Kg | ☆ | 06/26/21 11:52 | 06/28/21 04:05 | 1       |
| PCB-1248 | ND     |           | 0.23 | 0.045 | mg/Kg | ☆ | 06/26/21 11:52 | 06/28/21 04:05 | 1       |
| PCB-1254 | ND     |           | 0.23 | 0.11  | mg/Kg | ☆ | 06/26/21 11:52 | 06/28/21 04:05 | 1       |
| PCB-1260 | ND     |           | 0.23 | 0.11  | mg/Kg | ☆ | 06/26/21 11:52 | 06/28/21 04:05 | 1       |
| PCB-1262 | ND     |           | 0.23 | 0.11  | mg/Kg | ☆ | 06/26/21 11:52 | 06/28/21 04:05 | 1       |
| PCB-1268 | ND     |           | 0.23 | 0.11  | mg/Kg | ☆ | 06/26/21 11:52 | 06/28/21 04:05 | 1       |

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| Tetrachloro-m-xylene   | 160       | S1+       | 60 - 154 | 06/26/21 11:52 | 06/28/21 04:05 | 1       |
| Tetrachloro-m-xylene   | 162       | S1+       | 60 - 154 | 06/26/21 11:52 | 06/28/21 04:05 | 1       |
| DCB Decachlorobiphenyl | 150       |           | 65 - 174 | 06/26/21 11:52 | 06/28/21 04:05 | 1       |
| DCB Decachlorobiphenyl | 103       |           | 65 - 174 | 06/26/21 11:52 | 06/28/21 04:05 | 1       |

## Method: 6010C - Metals (ICP)

| Analyte   | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| Aluminum  | 9330   |           | 12.4 | 5.5   | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 00:39 | 1       |
| Antimony  | ND     |           | 18.6 | 0.50  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 00:39 | 1       |
| Arsenic   | 2.3    | J         | 2.5  | 0.50  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 00:39 | 1       |
| Barium    | 58.6   | ^6+       | 0.62 | 0.14  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 00:39 | 1       |
| Beryllium | 0.41   |           | 0.25 | 0.035 | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 00:39 | 1       |
| Cadmium   | 0.45   |           | 0.25 | 0.037 | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 00:39 | 1       |
| Calcium   | 25600  | B         | 61.9 | 4.1   | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 00:39 | 1       |
| Chromium  | 13.6   |           | 0.62 | 0.25  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 00:39 | 1       |
| Cobalt    | 5.4    |           | 0.62 | 0.062 | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 00:39 | 1       |
| Copper    | 16.1   |           | 1.2  | 0.26  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 00:39 | 1       |
| Iron      | 13100  |           | 12.4 | 4.3   | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 00:39 | 1       |
| Lead      | 20.3   |           | 1.2  | 0.30  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 00:39 | 1       |
| Magnesium | 9940   | B         | 24.8 | 1.1   | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 00:39 | 1       |
| Manganese | 211    | B         | 0.25 | 0.040 | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 00:39 | 1       |
| Nickel    | 14.6   |           | 6.2  | 0.28  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 00:39 | 1       |
| Potassium | 1490   | B         | 37.2 | 24.8  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 00:39 | 1       |
| Selenium  | ND     |           | 5.0  | 0.50  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 00:39 | 1       |
| Silver    | 0.39   | J         | 0.74 | 0.25  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 00:39 | 1       |
| Sodium    | 142    | J B       | 173  | 16.1  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 00:39 | 1       |
| Thallium  | ND     |           | 7.4  | 0.37  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 00:39 | 1       |
| Vanadium  | 23.1   |           | 0.62 | 0.14  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 00:39 | 1       |
| Zinc      | 87.1   |           | 2.5  | 0.79  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 00:39 | 1       |

## Method: 7471B - Mercury (CVAA)

| Analyte | Result | Qualifier | RL    | MDL    | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------|--------|-----------|-------|--------|-------|---|----------------|----------------|---------|
| Mercury | 0.074  |           | 0.020 | 0.0046 | mg/Kg | ☆ | 06/23/21 16:00 | 06/23/21 18:50 | 1       |

Eurofins TestAmerica, Buffalo

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

Client Sample ID: SS-09-0002

Lab Sample ID: 480-186319-9

Date Collected: 06/21/21 09:10

Matrix: Solid

Date Received: 06/21/21 16:14

Percent Solids: 74.1

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

| Analyte                       | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|--------|-----------|------|------|-------|---|----------------|----------------|---------|
| 2,4,5-Trichlorophenol         | ND     |           | 220  | 60   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 23:00 | 1       |
| 2,4,6-Trichlorophenol         | ND     |           | 220  | 44   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 23:00 | 1       |
| 2,4-Dichlorophenol            | ND     |           | 220  | 24   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 23:00 | 1       |
| 2,4-Dimethylphenol            | ND     |           | 220  | 54   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 23:00 | 1       |
| 2,4-Dinitrophenol             | ND     |           | 2200 | 1000 | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 23:00 | 1       |
| 2,4-Dinitrotoluene            | ND     |           | 220  | 46   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 23:00 | 1       |
| 2,6-Dinitrotoluene            | ND     |           | 220  | 26   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 23:00 | 1       |
| 2-Chloronaphthalene           | ND     |           | 220  | 37   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 23:00 | 1       |
| 2-Chlorophenol                | ND     |           | 430  | 40   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 23:00 | 1       |
| 2-Methylnaphthalene           | ND     |           | 220  | 44   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 23:00 | 1       |
| 2-Methylphenol                | ND     |           | 220  | 26   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 23:00 | 1       |
| 2-Nitroaniline                | ND     |           | 430  | 33   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 23:00 | 1       |
| 2-Nitrophenol                 | ND     |           | 220  | 63   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 23:00 | 1       |
| 3,3'-Dichlorobenzidine        | ND     |           | 430  | 260  | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 23:00 | 1       |
| 3-Nitroaniline                | ND     |           | 430  | 61   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 23:00 | 1       |
| 4,6-Dinitro-2-methylphenol    | ND     |           | 430  | 220  | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 23:00 | 1       |
| 4-Bromophenyl phenyl ether    | ND     |           | 220  | 31   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 23:00 | 1       |
| 4-Chloro-3-methylphenol       | ND     |           | 220  | 55   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 23:00 | 1       |
| 4-Chloroaniline               | ND     |           | 220  | 55   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 23:00 | 1       |
| 4-Chlorophenyl phenyl ether   | ND     |           | 220  | 27   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 23:00 | 1       |
| 4-Methylphenol                | ND     |           | 430  | 26   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 23:00 | 1       |
| 4-Nitroaniline                | ND     |           | 430  | 120  | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 23:00 | 1       |
| 4-Nitrophenol                 | ND     |           | 430  | 160  | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 23:00 | 1       |
| Acenaphthene                  | ND     |           | 220  | 33   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 23:00 | 1       |
| Acenaphthylene                | ND     |           | 220  | 29   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 23:00 | 1       |
| Acetophenone                  | ND     |           | 220  | 30   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 23:00 | 1       |
| Anthracene                    | ND     |           | 220  | 55   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 23:00 | 1       |
| Atrazine                      | ND     |           | 220  | 77   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 23:00 | 1       |
| Benzaldehyde                  | ND     |           | 220  | 180  | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 23:00 | 1       |
| Benzo(a)anthracene            | ND     |           | 220  | 22   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 23:00 | 1       |
| Benzo(a)pyrene                | ND     |           | 220  | 33   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 23:00 | 1       |
| Benzo(b)fluoranthene          | ND     |           | 220  | 35   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 23:00 | 1       |
| Benzo(g,h,i)perylene          | ND     |           | 220  | 24   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 23:00 | 1       |
| Benzo(k)fluoranthene          | ND     |           | 220  | 29   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 23:00 | 1       |
| Benzoic acid                  | ND     |           | 6300 | 2000 | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 23:00 | 1       |
| Biphenyl                      | ND     |           | 220  | 33   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 23:00 | 1       |
| bis (2-chloroisopropyl) ether | ND     |           | 220  | 44   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 23:00 | 1       |
| Bis(2-chloroethoxy)methane    | ND     |           | 220  | 47   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 23:00 | 1       |
| Bis(2-chloroethyl)ether       | ND     |           | 220  | 29   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 23:00 | 1       |
| Bis(2-ethylhexyl) phthalate   | ND     |           | 220  | 76   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 23:00 | 1       |
| Butyl benzyl phthalate        | ND     |           | 220  | 37   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 23:00 | 1       |
| Caprolactam                   | ND     |           | 220  | 67   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 23:00 | 1       |
| Carbazole                     | ND     |           | 220  | 26   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 23:00 | 1       |
| Chrysene                      | ND     |           | 220  | 50   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 23:00 | 1       |
| Dibenz(a,h)anthracene         | ND     |           | 220  | 39   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 23:00 | 1       |
| Dibenzofuran                  | ND     |           | 220  | 26   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 23:00 | 1       |
| Diethyl phthalate             | ND     |           | 220  | 29   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 23:00 | 1       |
| Dimethyl phthalate            | ND     |           | 220  | 26   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 23:00 | 1       |
| Di-n-butyl phthalate          | 96     | J B       | 220  | 38   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 23:00 | 1       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

Client Sample ID: SS-09-0002

Lab Sample ID: 480-186319-9

Date Collected: 06/21/21 09:10

Matrix: Solid

Date Received: 06/21/21 16:14

Percent Solids: 74.1

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

| Analyte                   | Result    | Qualifier | RL  | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------------|-----------|-----------|-----|-----|-------|---|----------------|----------------|---------|
| Di-n-octyl phthalate      | ND        |           | 220 | 26  | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 23:00 | 1       |
| <b>Fluoranthene</b>       | <b>41</b> | <b>J</b>  | 220 | 24  | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 23:00 | 1       |
| Fluorene                  | ND        |           | 220 | 26  | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 23:00 | 1       |
| Hexachlorobenzene         | ND        |           | 220 | 30  | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 23:00 | 1       |
| Hexachlorobutadiene       | ND        |           | 220 | 33  | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 23:00 | 1       |
| Hexachlorocyclopentadiene | ND        |           | 220 | 30  | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 23:00 | 1       |
| Hexachloroethane          | ND        |           | 220 | 29  | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 23:00 | 1       |
| Indeno(1,2,3-cd)pyrene    | ND        |           | 220 | 27  | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 23:00 | 1       |
| Isophorone                | ND        |           | 220 | 47  | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 23:00 | 1       |
| Naphthalene               | ND        |           | 220 | 29  | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 23:00 | 1       |
| Nitrobenzene              | ND        |           | 220 | 25  | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 23:00 | 1       |
| N-Nitrosodi-n-propylamine | ND        |           | 220 | 38  | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 23:00 | 1       |
| N-Nitrosodiphenylamine    | ND        |           | 220 | 180 | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 23:00 | 1       |
| Pentachlorophenol         | ND        |           | 430 | 220 | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 23:00 | 1       |
| Phenanthrene              | ND        |           | 220 | 33  | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 23:00 | 1       |
| <b>Phenol</b>             | <b>55</b> | <b>J</b>  | 220 | 34  | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 23:00 | 1       |
| <b>Pyrene</b>             | <b>33</b> | <b>J</b>  | 220 | 26  | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 23:00 | 1       |

| Surrogate            | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 2,4,6-Tribromophenol | 94        |           | 54 - 120 | 06/28/21 15:04 | 06/30/21 23:00 | 1       |
| 2-Fluorobiphenyl     | 90        |           | 60 - 120 | 06/28/21 15:04 | 06/30/21 23:00 | 1       |
| 2-Fluorophenol       | 80        |           | 52 - 120 | 06/28/21 15:04 | 06/30/21 23:00 | 1       |
| Nitrobenzene-d5      | 84        |           | 53 - 120 | 06/28/21 15:04 | 06/30/21 23:00 | 1       |
| p-Terphenyl-d14      | 98        |           | 79 - 130 | 06/28/21 15:04 | 06/30/21 23:00 | 1       |
| Phenol-d5            | 80        |           | 54 - 120 | 06/28/21 15:04 | 06/30/21 23:00 | 1       |

## Method: 8081B - Organochlorine Pesticides (GC)

| Analyte                    | Result      | Qualifier  | RL  | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------------------------|-------------|------------|-----|------|-------|---|----------------|----------------|---------|
| <b>4,4'-DDD</b>            | <b>0.55</b> | <b>J</b>   | 2.2 | 0.44 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 18:04 | 1       |
| <b>4,4'-DDE</b>            | <b>0.82</b> | <b>J</b>   | 2.2 | 0.47 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 18:04 | 1       |
| <b>4,4'-DDT</b>            | <b>1.8</b>  | <b>J</b>   | 2.2 | 0.52 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 18:04 | 1       |
| <b>Aldrin</b>              | <b>0.74</b> | <b>J</b>   | 2.2 | 0.55 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 18:04 | 1       |
| alpha-BHC                  | ND          |            | 2.2 | 0.40 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 18:04 | 1       |
| <b>beta-BHC</b>            | <b>1.7</b>  | <b>J</b>   | 2.2 | 0.40 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 18:04 | 1       |
| cis-Chlordane              | ND          |            | 2.2 | 1.1  | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 18:04 | 1       |
| delta-BHC                  | ND          |            | 2.2 | 0.42 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 18:04 | 1       |
| <b>Dieldrin</b>            | <b>6.4</b>  |            | 2.2 | 0.54 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 18:04 | 1       |
| Endosulfan I               | ND          |            | 2.2 | 0.43 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 18:04 | 1       |
| <b>Endosulfan II</b>       | <b>0.64</b> | <b>J</b>   | 2.2 | 0.40 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 18:04 | 1       |
| Endosulfan sulfate         | ND          |            | 2.2 | 0.42 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 18:04 | 1       |
| Endrin                     | ND          |            | 2.2 | 0.44 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 18:04 | 1       |
| <b>Endrin aldehyde</b>     | <b>1.7</b>  | <b>J B</b> | 2.2 | 0.57 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 18:04 | 1       |
| Endrin ketone              | ND          |            | 2.2 | 0.55 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 18:04 | 1       |
| <b>gamma-BHC (Lindane)</b> | <b>0.66</b> | <b>J B</b> | 2.2 | 0.41 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 18:04 | 1       |
| Heptachlor                 | ND          |            | 2.2 | 0.49 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 18:04 | 1       |
| Heptachlor epoxide         | ND          |            | 2.2 | 0.58 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 18:04 | 1       |
| <b>Methoxychlor</b>        | <b>1.6</b>  | <b>J</b>   | 2.2 | 0.46 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 18:04 | 1       |
| Mirex                      | ND          |            | 2.2 | 0.55 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 18:04 | 1       |
| Toxaphene                  | ND          |            | 2.2 | 13   | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 18:04 | 1       |
| trans-Chlordane            | ND          |            | 2.2 | 0.71 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 18:04 | 1       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

Client Sample ID: SS-09-0002

Lab Sample ID: 480-186319-9

Date Collected: 06/21/21 09:10

Matrix: Solid

Date Received: 06/21/21 16:14

Percent Solids: 74.1

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| DCB Decachlorobiphenyl | 99        |           | 45 - 120 | 06/28/21 07:45 | 06/29/21 18:04 | 1       |
| DCB Decachlorobiphenyl | 103       |           | 45 - 120 | 06/28/21 07:45 | 06/29/21 18:04 | 1       |
| Tetrachloro-m-xylene   | 111       |           | 30 - 124 | 06/28/21 07:45 | 06/29/21 18:04 | 1       |
| Tetrachloro-m-xylene   | 73        |           | 30 - 124 | 06/28/21 07:45 | 06/29/21 18:04 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| PCB-1016 | ND     |           | 0.26 | 0.050 | mg/Kg | ☆ | 06/26/21 11:52 | 06/28/21 04:18 | 1       |
| PCB-1221 | ND     |           | 0.26 | 0.050 | mg/Kg | ☆ | 06/26/21 11:52 | 06/28/21 04:18 | 1       |
| PCB-1232 | ND     |           | 0.26 | 0.050 | mg/Kg | ☆ | 06/26/21 11:52 | 06/28/21 04:18 | 1       |
| PCB-1242 | ND     |           | 0.26 | 0.050 | mg/Kg | ☆ | 06/26/21 11:52 | 06/28/21 04:18 | 1       |
| PCB-1248 | ND     |           | 0.26 | 0.050 | mg/Kg | ☆ | 06/26/21 11:52 | 06/28/21 04:18 | 1       |
| PCB-1254 | ND     |           | 0.26 | 0.12  | mg/Kg | ☆ | 06/26/21 11:52 | 06/28/21 04:18 | 1       |
| PCB-1260 | ND     |           | 0.26 | 0.12  | mg/Kg | ☆ | 06/26/21 11:52 | 06/28/21 04:18 | 1       |
| PCB-1262 | ND     |           | 0.26 | 0.12  | mg/Kg | ☆ | 06/26/21 11:52 | 06/28/21 04:18 | 1       |
| PCB-1268 | ND     |           | 0.26 | 0.12  | mg/Kg | ☆ | 06/26/21 11:52 | 06/28/21 04:18 | 1       |

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| Tetrachloro-m-xylene   | 157       | S1+       | 60 - 154 | 06/26/21 11:52 | 06/28/21 04:18 | 1       |
| Tetrachloro-m-xylene   | 157       | S1+       | 60 - 154 | 06/26/21 11:52 | 06/28/21 04:18 | 1       |
| DCB Decachlorobiphenyl | 149       |           | 65 - 174 | 06/26/21 11:52 | 06/28/21 04:18 | 1       |
| DCB Decachlorobiphenyl | 110       |           | 65 - 174 | 06/26/21 11:52 | 06/28/21 04:18 | 1       |

## Method: 6010C - Metals (ICP)

| Analyte   | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| Aluminum  | 16100  |           | 12.9 | 5.7   | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 00:43 | 1       |
| Antimony  | ND     |           | 19.3 | 0.52  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 00:43 | 1       |
| Arsenic   | 3.5    |           | 2.6  | 0.52  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 00:43 | 1       |
| Barium    | 96.5   | ^6+       | 0.64 | 0.14  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 00:43 | 1       |
| Beryllium | 0.73   |           | 0.26 | 0.036 | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 00:43 | 1       |
| Cadmium   | 0.37   |           | 0.26 | 0.039 | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 00:43 | 1       |
| Calcium   | 32600  | B         | 64.5 | 4.3   | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 00:43 | 1       |
| Chromium  | 22.2   |           | 0.64 | 0.26  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 00:43 | 1       |
| Cobalt    | 10.7   |           | 0.64 | 0.064 | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 00:43 | 1       |
| Copper    | 19.7   |           | 1.3  | 0.27  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 00:43 | 1       |
| Iron      | 19900  |           | 12.9 | 4.5   | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 00:43 | 1       |
| Lead      | 21.7   |           | 1.3  | 0.31  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 00:43 | 1       |
| Magnesium | 9970   | B         | 25.8 | 1.2   | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 00:43 | 1       |
| Manganese | 400    | B         | 0.26 | 0.041 | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 00:43 | 1       |
| Nickel    | 25.0   |           | 6.4  | 0.30  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 00:43 | 1       |
| Potassium | 4080   | B         | 38.7 | 25.8  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 00:43 | 1       |
| Selenium  | ND     |           | 5.2  | 0.52  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 00:43 | 1       |
| Silver    | 0.29   | J         | 0.77 | 0.26  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 00:43 | 1       |
| Sodium    | 197    | B         | 181  | 16.8  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 00:43 | 1       |
| Thallium  | ND     |           | 7.7  | 0.39  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 00:43 | 1       |
| Vanadium  | 34.3   |           | 0.64 | 0.14  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 00:43 | 1       |
| Zinc      | 136    |           | 2.6  | 0.83  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 00:43 | 1       |

## Method: 7471B - Mercury (CVAA)

| Analyte | Result | Qualifier | RL    | MDL    | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------|--------|-----------|-------|--------|-------|---|----------------|----------------|---------|
| Mercury | 0.040  |           | 0.035 | 0.0081 | mg/Kg | ☆ | 06/23/21 16:00 | 06/23/21 18:51 | 1       |

Eurofins TestAmerica, Buffalo



# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

Client Sample ID: SS-09-0212

Lab Sample ID: 480-186319-10

Date Collected: 06/21/21 09:15

Matrix: Solid

Date Received: 06/21/21 16:14

Percent Solids: 82.5

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

| Analyte                       | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|--------|-----------|------|------|-------|---|----------------|----------------|---------|
| 2,4,5-Trichlorophenol         | ND     |           | 200  | 54   | ug/Kg | ✱ | 07/02/21 15:19 | 07/06/21 11:57 | 1       |
| 2,4,6-Trichlorophenol         | ND     |           | 200  | 40   | ug/Kg | ✱ | 07/02/21 15:19 | 07/06/21 11:57 | 1       |
| 2,4-Dichlorophenol            | ND     |           | 200  | 21   | ug/Kg | ✱ | 07/02/21 15:19 | 07/06/21 11:57 | 1       |
| 2,4-Dimethylphenol            | ND     |           | 200  | 48   | ug/Kg | ✱ | 07/02/21 15:19 | 07/06/21 11:57 | 1       |
| 2,4-Dinitrophenol             | ND     |           | 2000 | 930  | ug/Kg | ✱ | 07/02/21 15:19 | 07/06/21 11:57 | 1       |
| 2,4-Dinitrotoluene            | ND     |           | 200  | 41   | ug/Kg | ✱ | 07/02/21 15:19 | 07/06/21 11:57 | 1       |
| 2,6-Dinitrotoluene            | ND     |           | 200  | 24   | ug/Kg | ✱ | 07/02/21 15:19 | 07/06/21 11:57 | 1       |
| 2-Chloronaphthalene           | ND     |           | 200  | 33   | ug/Kg | ✱ | 07/02/21 15:19 | 07/06/21 11:57 | 1       |
| 2-Chlorophenol                | ND     |           | 390  | 37   | ug/Kg | ✱ | 07/02/21 15:19 | 07/06/21 11:57 | 1       |
| 2-Methylnaphthalene           | ND     |           | 200  | 40   | ug/Kg | ✱ | 07/02/21 15:19 | 07/06/21 11:57 | 1       |
| 2-Methylphenol                | ND     |           | 200  | 24   | ug/Kg | ✱ | 07/02/21 15:19 | 07/06/21 11:57 | 1       |
| 2-Nitroaniline                | ND     |           | 390  | 30   | ug/Kg | ✱ | 07/02/21 15:19 | 07/06/21 11:57 | 1       |
| 2-Nitrophenol                 | ND     |           | 200  | 57   | ug/Kg | ✱ | 07/02/21 15:19 | 07/06/21 11:57 | 1       |
| 3,3'-Dichlorobenzidine        | ND     |           | 390  | 240  | ug/Kg | ✱ | 07/02/21 15:19 | 07/06/21 11:57 | 1       |
| 3-Nitroaniline                | ND     |           | 390  | 55   | ug/Kg | ✱ | 07/02/21 15:19 | 07/06/21 11:57 | 1       |
| 4,6-Dinitro-2-methylphenol    | ND     |           | 390  | 200  | ug/Kg | ✱ | 07/02/21 15:19 | 07/06/21 11:57 | 1       |
| 4-Bromophenyl phenyl ether    | ND     |           | 200  | 28   | ug/Kg | ✱ | 07/02/21 15:19 | 07/06/21 11:57 | 1       |
| 4-Chloro-3-methylphenol       | ND     |           | 200  | 50   | ug/Kg | ✱ | 07/02/21 15:19 | 07/06/21 11:57 | 1       |
| 4-Chloroaniline               | ND     |           | 200  | 50   | ug/Kg | ✱ | 07/02/21 15:19 | 07/06/21 11:57 | 1       |
| 4-Chlorophenyl phenyl ether   | ND     |           | 200  | 25   | ug/Kg | ✱ | 07/02/21 15:19 | 07/06/21 11:57 | 1       |
| 4-Methylphenol                | ND     |           | 390  | 24   | ug/Kg | ✱ | 07/02/21 15:19 | 07/06/21 11:57 | 1       |
| 4-Nitroaniline                | ND     |           | 390  | 110  | ug/Kg | ✱ | 07/02/21 15:19 | 07/06/21 11:57 | 1       |
| 4-Nitrophenol                 | ND     |           | 390  | 140  | ug/Kg | ✱ | 07/02/21 15:19 | 07/06/21 11:57 | 1       |
| Acenaphthene                  | ND     |           | 200  | 30   | ug/Kg | ✱ | 07/02/21 15:19 | 07/06/21 11:57 | 1       |
| Acenaphthylene                | ND     |           | 200  | 26   | ug/Kg | ✱ | 07/02/21 15:19 | 07/06/21 11:57 | 1       |
| Acetophenone                  | ND     |           | 200  | 27   | ug/Kg | ✱ | 07/02/21 15:19 | 07/06/21 11:57 | 1       |
| Anthracene                    | ND     |           | 200  | 50   | ug/Kg | ✱ | 07/02/21 15:19 | 07/06/21 11:57 | 1       |
| Atrazine                      | ND     |           | 200  | 70   | ug/Kg | ✱ | 07/02/21 15:19 | 07/06/21 11:57 | 1       |
| Benzaldehyde                  | ND     |           | 200  | 160  | ug/Kg | ✱ | 07/02/21 15:19 | 07/06/21 11:57 | 1       |
| Benzo(a)anthracene            | 21     | J         | 200  | 20   | ug/Kg | ✱ | 07/02/21 15:19 | 07/06/21 11:57 | 1       |
| Benzo(a)pyrene                | ND     |           | 200  | 30   | ug/Kg | ✱ | 07/02/21 15:19 | 07/06/21 11:57 | 1       |
| Benzo(b)fluoranthene          | 32     | J         | 200  | 32   | ug/Kg | ✱ | 07/02/21 15:19 | 07/06/21 11:57 | 1       |
| Benzo(g,h,i)perylene          | ND     |           | 200  | 21   | ug/Kg | ✱ | 07/02/21 15:19 | 07/06/21 11:57 | 1       |
| Benzo(k)fluoranthene          | ND     |           | 200  | 26   | ug/Kg | ✱ | 07/02/21 15:19 | 07/06/21 11:57 | 1       |
| Benzoic acid                  | ND     |           | 5700 | 1800 | ug/Kg | ✱ | 07/02/21 15:19 | 07/06/21 11:57 | 1       |
| Biphenyl                      | ND     |           | 200  | 30   | ug/Kg | ✱ | 07/02/21 15:19 | 07/06/21 11:57 | 1       |
| bis (2-chloroisopropyl) ether | ND     |           | 200  | 40   | ug/Kg | ✱ | 07/02/21 15:19 | 07/06/21 11:57 | 1       |
| Bis(2-chloroethoxy)methane    | ND     |           | 200  | 42   | ug/Kg | ✱ | 07/02/21 15:19 | 07/06/21 11:57 | 1       |
| Bis(2-chloroethyl)ether       | ND     |           | 200  | 26   | ug/Kg | ✱ | 07/02/21 15:19 | 07/06/21 11:57 | 1       |
| Bis(2-ethylhexyl) phthalate   | ND     |           | 200  | 68   | ug/Kg | ✱ | 07/02/21 15:19 | 07/06/21 11:57 | 1       |
| Butyl benzyl phthalate        | ND     |           | 200  | 33   | ug/Kg | ✱ | 07/02/21 15:19 | 07/06/21 11:57 | 1       |
| Caprolactam                   | ND     |           | 200  | 60   | ug/Kg | ✱ | 07/02/21 15:19 | 07/06/21 11:57 | 1       |
| Carbazole                     | ND     |           | 200  | 24   | ug/Kg | ✱ | 07/02/21 15:19 | 07/06/21 11:57 | 1       |
| Chrysene                      | ND     |           | 200  | 45   | ug/Kg | ✱ | 07/02/21 15:19 | 07/06/21 11:57 | 1       |
| Dibenz(a,h)anthracene         | ND     |           | 200  | 35   | ug/Kg | ✱ | 07/02/21 15:19 | 07/06/21 11:57 | 1       |
| Dibenzofuran                  | ND     |           | 200  | 24   | ug/Kg | ✱ | 07/02/21 15:19 | 07/06/21 11:57 | 1       |
| Diethyl phthalate             | ND     |           | 200  | 26   | ug/Kg | ✱ | 07/02/21 15:19 | 07/06/21 11:57 | 1       |
| Dimethyl phthalate            | ND     |           | 200  | 24   | ug/Kg | ✱ | 07/02/21 15:19 | 07/06/21 11:57 | 1       |
| Di-n-butyl phthalate          | ND     |           | 200  | 34   | ug/Kg | ✱ | 07/02/21 15:19 | 07/06/21 11:57 | 1       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

Client Sample ID: SS-09-0212

Lab Sample ID: 480-186319-10

Date Collected: 06/21/21 09:15

Matrix: Solid

Date Received: 06/21/21 16:14

Percent Solids: 82.5

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

| Analyte                   | Result    | Qualifier | RL  | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------------|-----------|-----------|-----|-----|-------|---|----------------|----------------|---------|
| Di-n-octyl phthalate      | ND        |           | 200 | 24  | ug/Kg | ✱ | 07/02/21 15:19 | 07/06/21 11:57 | 1       |
| <b>Fluoranthene</b>       | <b>44</b> | <b>J</b>  | 200 | 21  | ug/Kg | ✱ | 07/02/21 15:19 | 07/06/21 11:57 | 1       |
| Fluorene                  | ND        |           | 200 | 24  | ug/Kg | ✱ | 07/02/21 15:19 | 07/06/21 11:57 | 1       |
| Hexachlorobenzene         | ND        |           | 200 | 27  | ug/Kg | ✱ | 07/02/21 15:19 | 07/06/21 11:57 | 1       |
| Hexachlorobutadiene       | ND        |           | 200 | 30  | ug/Kg | ✱ | 07/02/21 15:19 | 07/06/21 11:57 | 1       |
| Hexachlorocyclopentadiene | ND        |           | 200 | 27  | ug/Kg | ✱ | 07/02/21 15:19 | 07/06/21 11:57 | 1       |
| Hexachloroethane          | ND        |           | 200 | 26  | ug/Kg | ✱ | 07/02/21 15:19 | 07/06/21 11:57 | 1       |
| Indeno(1,2,3-cd)pyrene    | ND        |           | 200 | 25  | ug/Kg | ✱ | 07/02/21 15:19 | 07/06/21 11:57 | 1       |
| Isophorone                | ND        |           | 200 | 42  | ug/Kg | ✱ | 07/02/21 15:19 | 07/06/21 11:57 | 1       |
| Naphthalene               | ND        |           | 200 | 26  | ug/Kg | ✱ | 07/02/21 15:19 | 07/06/21 11:57 | 1       |
| Nitrobenzene              | ND        |           | 200 | 22  | ug/Kg | ✱ | 07/02/21 15:19 | 07/06/21 11:57 | 1       |
| N-Nitrosodi-n-propylamine | ND        |           | 200 | 34  | ug/Kg | ✱ | 07/02/21 15:19 | 07/06/21 11:57 | 1       |
| N-Nitrosodiphenylamine    | ND        |           | 200 | 160 | ug/Kg | ✱ | 07/02/21 15:19 | 07/06/21 11:57 | 1       |
| Pentachlorophenol         | ND        |           | 390 | 200 | ug/Kg | ✱ | 07/02/21 15:19 | 07/06/21 11:57 | 1       |
| Phenanthrene              | ND        |           | 200 | 30  | ug/Kg | ✱ | 07/02/21 15:19 | 07/06/21 11:57 | 1       |
| Phenol                    | ND        |           | 200 | 31  | ug/Kg | ✱ | 07/02/21 15:19 | 07/06/21 11:57 | 1       |
| <b>Pyrene</b>             | <b>42</b> | <b>J</b>  | 200 | 24  | ug/Kg | ✱ | 07/02/21 15:19 | 07/06/21 11:57 | 1       |

| Surrogate            | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 2,4,6-Tribromophenol | 91        |           | 54 - 120 | 07/02/21 15:19 | 07/06/21 11:57 | 1       |
| 2-Fluorobiphenyl     | 92        |           | 60 - 120 | 07/02/21 15:19 | 07/06/21 11:57 | 1       |
| 2-Fluorophenol       | 80        |           | 52 - 120 | 07/02/21 15:19 | 07/06/21 11:57 | 1       |
| Nitrobenzene-d5      | 82        |           | 53 - 120 | 07/02/21 15:19 | 07/06/21 11:57 | 1       |
| p-Terphenyl-d14      | 103       |           | 79 - 130 | 07/02/21 15:19 | 07/06/21 11:57 | 1       |
| Phenol-d5            | 78        |           | 54 - 120 | 07/02/21 15:19 | 07/06/21 11:57 | 1       |

## Method: 8081B - Organochlorine Pesticides (GC)

| Analyte                    | Result      | Qualifier  | RL  | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------------------------|-------------|------------|-----|------|-------|---|----------------|----------------|---------|
| <b>4,4'-DDD</b>            | <b>0.45</b> | <b>J</b>   | 2.0 | 0.39 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 18:23 | 1       |
| <b>4,4'-DDE</b>            | <b>0.69</b> | <b>J</b>   | 2.0 | 0.42 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 18:23 | 1       |
| <b>4,4'-DDT</b>            | <b>1.5</b>  | <b>J</b>   | 2.0 | 0.47 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 18:23 | 1       |
| Aldrin                     | ND          |            | 2.0 | 0.49 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 18:23 | 1       |
| alpha-BHC                  | ND          |            | 2.0 | 0.36 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 18:23 | 1       |
| beta-BHC                   | ND          |            | 2.0 | 0.36 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 18:23 | 1       |
| cis-Chlordane              | ND          |            | 2.0 | 1.0  | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 18:23 | 1       |
| <b>delta-BHC</b>           | <b>0.56</b> | <b>J B</b> | 2.0 | 0.37 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 18:23 | 1       |
| Dieldrin                   | ND          |            | 2.0 | 0.48 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 18:23 | 1       |
| Endosulfan I               | ND          |            | 2.0 | 0.38 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 18:23 | 1       |
| Endosulfan II              | ND          |            | 2.0 | 0.36 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 18:23 | 1       |
| Endosulfan sulfate         | ND          |            | 2.0 | 0.37 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 18:23 | 1       |
| Endrin                     | ND          |            | 2.0 | 0.40 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 18:23 | 1       |
| <b>Endrin aldehyde</b>     | <b>1.3</b>  | <b>J B</b> | 2.0 | 0.51 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 18:23 | 1       |
| Endrin ketone              | ND          |            | 2.0 | 0.49 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 18:23 | 1       |
| <b>gamma-BHC (Lindane)</b> | <b>0.60</b> | <b>J B</b> | 2.0 | 0.37 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 18:23 | 1       |
| <b>Heptachlor</b>          | <b>0.79</b> | <b>J</b>   | 2.0 | 0.43 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 18:23 | 1       |
| Heptachlor epoxide         | ND          |            | 2.0 | 0.52 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 18:23 | 1       |
| <b>Methoxychlor</b>        | <b>1.5</b>  | <b>J</b>   | 2.0 | 0.41 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 18:23 | 1       |
| Mirex                      | ND          |            | 2.0 | 0.49 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 18:23 | 1       |
| Toxaphene                  | ND          |            | 20  | 12   | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 18:23 | 1       |
| <b>trans-Chlordane</b>     | <b>6.1</b>  |            | 2.0 | 0.64 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 18:23 | 1       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

Client Sample ID: SS-09-0212

Lab Sample ID: 480-186319-10

Date Collected: 06/21/21 09:15

Matrix: Solid

Date Received: 06/21/21 16:14

Percent Solids: 82.5

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| DCB Decachlorobiphenyl | 96        |           | 45 - 120 | 06/28/21 07:45 | 06/29/21 18:23 | 1       |
| DCB Decachlorobiphenyl | 101       |           | 45 - 120 | 06/28/21 07:45 | 06/29/21 18:23 | 1       |
| Tetrachloro-m-xylene   | 92        |           | 30 - 124 | 06/28/21 07:45 | 06/29/21 18:23 | 1       |
| Tetrachloro-m-xylene   | 69        |           | 30 - 124 | 06/28/21 07:45 | 06/29/21 18:23 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| PCB-1016 | ND     |           | 0.24 | 0.047 | mg/Kg | ☆ | 06/26/21 11:52 | 06/28/21 04:30 | 1       |
| PCB-1221 | ND     |           | 0.24 | 0.047 | mg/Kg | ☆ | 06/26/21 11:52 | 06/28/21 04:30 | 1       |
| PCB-1232 | ND     |           | 0.24 | 0.047 | mg/Kg | ☆ | 06/26/21 11:52 | 06/28/21 04:30 | 1       |
| PCB-1242 | ND     |           | 0.24 | 0.047 | mg/Kg | ☆ | 06/26/21 11:52 | 06/28/21 04:30 | 1       |
| PCB-1248 | ND     |           | 0.24 | 0.047 | mg/Kg | ☆ | 06/26/21 11:52 | 06/28/21 04:30 | 1       |
| PCB-1254 | ND     |           | 0.24 | 0.11  | mg/Kg | ☆ | 06/26/21 11:52 | 06/28/21 04:30 | 1       |
| PCB-1260 | ND     |           | 0.24 | 0.11  | mg/Kg | ☆ | 06/26/21 11:52 | 06/28/21 04:30 | 1       |
| PCB-1262 | ND     |           | 0.24 | 0.11  | mg/Kg | ☆ | 06/26/21 11:52 | 06/28/21 04:30 | 1       |
| PCB-1268 | ND     |           | 0.24 | 0.11  | mg/Kg | ☆ | 06/26/21 11:52 | 06/28/21 04:30 | 1       |

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| Tetrachloro-m-xylene   | 165       | S1+       | 60 - 154 | 06/26/21 11:52 | 06/28/21 04:30 | 1       |
| Tetrachloro-m-xylene   | 164       | S1+       | 60 - 154 | 06/26/21 11:52 | 06/28/21 04:30 | 1       |
| DCB Decachlorobiphenyl | 151       |           | 65 - 174 | 06/26/21 11:52 | 06/28/21 04:30 | 1       |
| DCB Decachlorobiphenyl | 107       |           | 65 - 174 | 06/26/21 11:52 | 06/28/21 04:30 | 1       |

## Method: 6010C - Metals (ICP)

| Analyte   | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| Aluminum  | 15700  |           | 12.8 | 5.6   | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 00:47 | 1       |
| Antimony  | ND     |           | 19.2 | 0.51  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 00:47 | 1       |
| Arsenic   | 3.2    |           | 2.6  | 0.51  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 00:47 | 1       |
| Barium    | 89.0   | ^6+       | 0.64 | 0.14  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 00:47 | 1       |
| Beryllium | 0.68   |           | 0.26 | 0.036 | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 00:47 | 1       |
| Cadmium   | 0.24   | J         | 0.26 | 0.038 | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 00:47 | 1       |
| Calcium   | 37100  | B         | 64.1 | 4.2   | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 00:47 | 1       |
| Chromium  | 20.6   |           | 0.64 | 0.26  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 00:47 | 1       |
| Cobalt    | 9.3    |           | 0.64 | 0.064 | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 00:47 | 1       |
| Copper    | 20.1   |           | 1.3  | 0.27  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 00:47 | 1       |
| Iron      | 19500  |           | 12.8 | 4.5   | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 00:47 | 1       |
| Lead      | 31.2   |           | 1.3  | 0.31  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 00:47 | 1       |
| Magnesium | 10900  | B         | 25.6 | 1.2   | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 00:47 | 1       |
| Manganese | 389    | B         | 0.26 | 0.041 | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 00:47 | 1       |
| Nickel    | 22.6   |           | 6.4  | 0.29  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 00:47 | 1       |
| Potassium | 3500   | B         | 38.4 | 25.6  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 00:47 | 1       |
| Selenium  | ND     |           | 5.1  | 0.51  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 00:47 | 1       |
| Silver    | ND     |           | 0.77 | 0.26  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 00:47 | 1       |
| Sodium    | 190    | B         | 179  | 16.7  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 00:47 | 1       |
| Thallium  | ND     |           | 7.7  | 0.38  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 00:47 | 1       |
| Vanadium  | 33.0   |           | 0.64 | 0.14  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 00:47 | 1       |
| Zinc      | 65.0   |           | 2.6  | 0.82  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 00:47 | 1       |

## Method: 7471B - Mercury (CVAA)

| Analyte | Result | Qualifier | RL    | MDL    | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------|--------|-----------|-------|--------|-------|---|----------------|----------------|---------|
| Mercury | 0.028  |           | 0.023 | 0.0053 | mg/Kg | ☆ | 06/23/21 16:00 | 06/23/21 18:53 | 1       |

Eurofins TestAmerica, Buffalo

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

**Client Sample ID: SS-10-0002**

**Lab Sample ID: 480-186319-11**

**Date Collected: 06/21/21 10:55**

**Matrix: Solid**

**Date Received: 06/21/21 16:14**

**Percent Solids: 68.0**

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

| Analyte                       | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|--------|-----------|------|------|-------|---|----------------|----------------|---------|
| 2,4,5-Trichlorophenol         | ND     |           | 250  | 66   | ug/Kg | ✱ | 07/02/21 15:19 | 07/06/21 12:21 | 1       |
| 2,4,6-Trichlorophenol         | ND     |           | 250  | 49   | ug/Kg | ✱ | 07/02/21 15:19 | 07/06/21 12:21 | 1       |
| 2,4-Dichlorophenol            | ND     |           | 250  | 26   | ug/Kg | ✱ | 07/02/21 15:19 | 07/06/21 12:21 | 1       |
| 2,4-Dimethylphenol            | ND     |           | 250  | 59   | ug/Kg | ✱ | 07/02/21 15:19 | 07/06/21 12:21 | 1       |
| 2,4-Dinitrophenol             | ND     |           | 2400 | 1100 | ug/Kg | ✱ | 07/02/21 15:19 | 07/06/21 12:21 | 1       |
| 2,4-Dinitrotoluene            | ND     |           | 250  | 50   | ug/Kg | ✱ | 07/02/21 15:19 | 07/06/21 12:21 | 1       |
| 2,6-Dinitrotoluene            | ND     |           | 250  | 29   | ug/Kg | ✱ | 07/02/21 15:19 | 07/06/21 12:21 | 1       |
| 2-Chloronaphthalene           | ND     |           | 250  | 40   | ug/Kg | ✱ | 07/02/21 15:19 | 07/06/21 12:21 | 1       |
| 2-Chlorophenol                | ND     |           | 480  | 45   | ug/Kg | ✱ | 07/02/21 15:19 | 07/06/21 12:21 | 1       |
| 2-Methylnaphthalene           | ND     |           | 250  | 49   | ug/Kg | ✱ | 07/02/21 15:19 | 07/06/21 12:21 | 1       |
| 2-Methylphenol                | ND     |           | 250  | 29   | ug/Kg | ✱ | 07/02/21 15:19 | 07/06/21 12:21 | 1       |
| 2-Nitroaniline                | ND     |           | 480  | 36   | ug/Kg | ✱ | 07/02/21 15:19 | 07/06/21 12:21 | 1       |
| 2-Nitrophenol                 | ND     |           | 250  | 69   | ug/Kg | ✱ | 07/02/21 15:19 | 07/06/21 12:21 | 1       |
| 3,3'-Dichlorobenzidine        | ND     |           | 480  | 290  | ug/Kg | ✱ | 07/02/21 15:19 | 07/06/21 12:21 | 1       |
| 3-Nitroaniline                | ND     |           | 480  | 68   | ug/Kg | ✱ | 07/02/21 15:19 | 07/06/21 12:21 | 1       |
| 4,6-Dinitro-2-methylphenol    | ND     |           | 480  | 250  | ug/Kg | ✱ | 07/02/21 15:19 | 07/06/21 12:21 | 1       |
| 4-Bromophenyl phenyl ether    | ND     |           | 250  | 35   | ug/Kg | ✱ | 07/02/21 15:19 | 07/06/21 12:21 | 1       |
| 4-Chloro-3-methylphenol       | ND     |           | 250  | 61   | ug/Kg | ✱ | 07/02/21 15:19 | 07/06/21 12:21 | 1       |
| 4-Chloroaniline               | ND     |           | 250  | 61   | ug/Kg | ✱ | 07/02/21 15:19 | 07/06/21 12:21 | 1       |
| 4-Chlorophenyl phenyl ether   | ND     |           | 250  | 30   | ug/Kg | ✱ | 07/02/21 15:19 | 07/06/21 12:21 | 1       |
| 4-Methylphenol                | ND     |           | 480  | 29   | ug/Kg | ✱ | 07/02/21 15:19 | 07/06/21 12:21 | 1       |
| 4-Nitroaniline                | ND     |           | 480  | 130  | ug/Kg | ✱ | 07/02/21 15:19 | 07/06/21 12:21 | 1       |
| 4-Nitrophenol                 | ND     |           | 480  | 170  | ug/Kg | ✱ | 07/02/21 15:19 | 07/06/21 12:21 | 1       |
| Acenaphthene                  | ND     |           | 250  | 36   | ug/Kg | ✱ | 07/02/21 15:19 | 07/06/21 12:21 | 1       |
| Acenaphthylene                | ND     |           | 250  | 32   | ug/Kg | ✱ | 07/02/21 15:19 | 07/06/21 12:21 | 1       |
| Acetophenone                  | ND     |           | 250  | 33   | ug/Kg | ✱ | 07/02/21 15:19 | 07/06/21 12:21 | 1       |
| Anthracene                    | ND     |           | 250  | 61   | ug/Kg | ✱ | 07/02/21 15:19 | 07/06/21 12:21 | 1       |
| Atrazine                      | ND     |           | 250  | 85   | ug/Kg | ✱ | 07/02/21 15:19 | 07/06/21 12:21 | 1       |
| Benzaldehyde                  | ND     |           | 250  | 190  | ug/Kg | ✱ | 07/02/21 15:19 | 07/06/21 12:21 | 1       |
| Benzo(a)anthracene            | ND     |           | 250  | 25   | ug/Kg | ✱ | 07/02/21 15:19 | 07/06/21 12:21 | 1       |
| Benzo(a)pyrene                | ND     |           | 250  | 36   | ug/Kg | ✱ | 07/02/21 15:19 | 07/06/21 12:21 | 1       |
| Benzo(b)fluoranthene          | ND     |           | 250  | 39   | ug/Kg | ✱ | 07/02/21 15:19 | 07/06/21 12:21 | 1       |
| Benzo(g,h,i)perylene          | ND     |           | 250  | 26   | ug/Kg | ✱ | 07/02/21 15:19 | 07/06/21 12:21 | 1       |
| Benzo(k)fluoranthene          | ND     |           | 250  | 32   | ug/Kg | ✱ | 07/02/21 15:19 | 07/06/21 12:21 | 1       |
| Benzoic acid                  | ND     |           | 6900 | 2200 | ug/Kg | ✱ | 07/02/21 15:19 | 07/06/21 12:21 | 1       |
| Biphenyl                      | ND     |           | 250  | 36   | ug/Kg | ✱ | 07/02/21 15:19 | 07/06/21 12:21 | 1       |
| bis (2-chloroisopropyl) ether | ND     |           | 250  | 49   | ug/Kg | ✱ | 07/02/21 15:19 | 07/06/21 12:21 | 1       |
| Bis(2-chloroethoxy)methane    | ND     |           | 250  | 52   | ug/Kg | ✱ | 07/02/21 15:19 | 07/06/21 12:21 | 1       |
| Bis(2-chloroethyl)ether       | ND     |           | 250  | 32   | ug/Kg | ✱ | 07/02/21 15:19 | 07/06/21 12:21 | 1       |
| Bis(2-ethylhexyl) phthalate   | ND     |           | 250  | 84   | ug/Kg | ✱ | 07/02/21 15:19 | 07/06/21 12:21 | 1       |
| Butyl benzyl phthalate        | ND     |           | 250  | 40   | ug/Kg | ✱ | 07/02/21 15:19 | 07/06/21 12:21 | 1       |
| Caprolactam                   | ND     |           | 250  | 74   | ug/Kg | ✱ | 07/02/21 15:19 | 07/06/21 12:21 | 1       |
| Carbazole                     | ND     |           | 250  | 29   | ug/Kg | ✱ | 07/02/21 15:19 | 07/06/21 12:21 | 1       |
| Chrysene                      | ND     |           | 250  | 55   | ug/Kg | ✱ | 07/02/21 15:19 | 07/06/21 12:21 | 1       |
| Dibenz(a,h)anthracene         | ND     |           | 250  | 43   | ug/Kg | ✱ | 07/02/21 15:19 | 07/06/21 12:21 | 1       |
| Dibenzofuran                  | ND     |           | 250  | 29   | ug/Kg | ✱ | 07/02/21 15:19 | 07/06/21 12:21 | 1       |
| Diethyl phthalate             | ND     |           | 250  | 32   | ug/Kg | ✱ | 07/02/21 15:19 | 07/06/21 12:21 | 1       |
| Dimethyl phthalate            | ND     |           | 250  | 29   | ug/Kg | ✱ | 07/02/21 15:19 | 07/06/21 12:21 | 1       |
| Di-n-butyl phthalate          | ND     |           | 250  | 42   | ug/Kg | ✱ | 07/02/21 15:19 | 07/06/21 12:21 | 1       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

Client Sample ID: SS-10-0002

Lab Sample ID: 480-186319-11

Date Collected: 06/21/21 10:55

Matrix: Solid

Date Received: 06/21/21 16:14

Percent Solids: 68.0

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

| Analyte                   | Result | Qualifier | RL  | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------------|--------|-----------|-----|-----|-------|---|----------------|----------------|---------|
| Di-n-octyl phthalate      | ND     |           | 250 | 29  | ug/Kg | ☆ | 07/02/21 15:19 | 07/06/21 12:21 | 1       |
| Fluoranthene              | ND     |           | 250 | 26  | ug/Kg | ☆ | 07/02/21 15:19 | 07/06/21 12:21 | 1       |
| Fluorene                  | ND     |           | 250 | 29  | ug/Kg | ☆ | 07/02/21 15:19 | 07/06/21 12:21 | 1       |
| Hexachlorobenzene         | ND     |           | 250 | 33  | ug/Kg | ☆ | 07/02/21 15:19 | 07/06/21 12:21 | 1       |
| Hexachlorobutadiene       | ND     |           | 250 | 36  | ug/Kg | ☆ | 07/02/21 15:19 | 07/06/21 12:21 | 1       |
| Hexachlorocyclopentadiene | ND     |           | 250 | 33  | ug/Kg | ☆ | 07/02/21 15:19 | 07/06/21 12:21 | 1       |
| Hexachloroethane          | ND     |           | 250 | 32  | ug/Kg | ☆ | 07/02/21 15:19 | 07/06/21 12:21 | 1       |
| Indeno(1,2,3-cd)pyrene    | ND     |           | 250 | 30  | ug/Kg | ☆ | 07/02/21 15:19 | 07/06/21 12:21 | 1       |
| Isophorone                | ND     |           | 250 | 52  | ug/Kg | ☆ | 07/02/21 15:19 | 07/06/21 12:21 | 1       |
| Naphthalene               | ND     |           | 250 | 32  | ug/Kg | ☆ | 07/02/21 15:19 | 07/06/21 12:21 | 1       |
| Nitrobenzene              | ND     |           | 250 | 27  | ug/Kg | ☆ | 07/02/21 15:19 | 07/06/21 12:21 | 1       |
| N-Nitrosodi-n-propylamine | ND     |           | 250 | 42  | ug/Kg | ☆ | 07/02/21 15:19 | 07/06/21 12:21 | 1       |
| N-Nitrosodiphenylamine    | ND     |           | 250 | 200 | ug/Kg | ☆ | 07/02/21 15:19 | 07/06/21 12:21 | 1       |
| Pentachlorophenol         | ND     |           | 480 | 250 | ug/Kg | ☆ | 07/02/21 15:19 | 07/06/21 12:21 | 1       |
| Phenanthrene              | ND     |           | 250 | 36  | ug/Kg | ☆ | 07/02/21 15:19 | 07/06/21 12:21 | 1       |
| Phenol                    | ND     |           | 250 | 37  | ug/Kg | ☆ | 07/02/21 15:19 | 07/06/21 12:21 | 1       |
| Pyrene                    | ND     |           | 250 | 29  | ug/Kg | ☆ | 07/02/21 15:19 | 07/06/21 12:21 | 1       |

| Surrogate            | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 2,4,6-Tribromophenol | 109       |           | 54 - 120 | 07/02/21 15:19 | 07/06/21 12:21 | 1       |
| 2-Fluorobiphenyl     | 101       |           | 60 - 120 | 07/02/21 15:19 | 07/06/21 12:21 | 1       |
| 2-Fluorophenol       | 87        |           | 52 - 120 | 07/02/21 15:19 | 07/06/21 12:21 | 1       |
| Nitrobenzene-d5      | 88        |           | 53 - 120 | 07/02/21 15:19 | 07/06/21 12:21 | 1       |
| p-Terphenyl-d14      | 110       |           | 79 - 130 | 07/02/21 15:19 | 07/06/21 12:21 | 1       |
| Phenol-d5            | 84        |           | 54 - 120 | 07/02/21 15:19 | 07/06/21 12:21 | 1       |

## Method: 8081B - Organochlorine Pesticides (GC)

| Analyte             | Result | Qualifier | RL  | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|--------|-----------|-----|------|-------|---|----------------|----------------|---------|
| 4,4'-DDD            | 0.85   | J         | 2.4 | 0.47 | ug/Kg | ☆ | 06/28/21 07:45 | 06/29/21 18:43 | 1       |
| 4,4'-DDE            | 1.4    | J         | 2.4 | 0.51 | ug/Kg | ☆ | 06/28/21 07:45 | 06/29/21 18:43 | 1       |
| 4,4'-DDT            | 1.9    | J         | 2.4 | 0.57 | ug/Kg | ☆ | 06/28/21 07:45 | 06/29/21 18:43 | 1       |
| Aldrin              | ND     |           | 2.4 | 0.60 | ug/Kg | ☆ | 06/28/21 07:45 | 06/29/21 18:43 | 1       |
| alpha-BHC           | ND     |           | 2.4 | 0.44 | ug/Kg | ☆ | 06/28/21 07:45 | 06/29/21 18:43 | 1       |
| beta-BHC            | 0.62   | J         | 2.4 | 0.44 | ug/Kg | ☆ | 06/28/21 07:45 | 06/29/21 18:43 | 1       |
| cis-Chlordane       | ND     |           | 2.4 | 1.2  | ug/Kg | ☆ | 06/28/21 07:45 | 06/29/21 18:43 | 1       |
| delta-BHC           | ND     |           | 2.4 | 0.45 | ug/Kg | ☆ | 06/28/21 07:45 | 06/29/21 18:43 | 1       |
| Dieldrin            | ND     |           | 2.4 | 0.59 | ug/Kg | ☆ | 06/28/21 07:45 | 06/29/21 18:43 | 1       |
| Endosulfan I        | 0.80   | J         | 2.4 | 0.47 | ug/Kg | ☆ | 06/28/21 07:45 | 06/29/21 18:43 | 1       |
| Endosulfan II       | ND     |           | 2.4 | 0.44 | ug/Kg | ☆ | 06/28/21 07:45 | 06/29/21 18:43 | 1       |
| Endosulfan sulfate  | ND     |           | 2.4 | 0.46 | ug/Kg | ☆ | 06/28/21 07:45 | 06/29/21 18:43 | 1       |
| Endrin              | ND     |           | 2.4 | 0.48 | ug/Kg | ☆ | 06/28/21 07:45 | 06/29/21 18:43 | 1       |
| Endrin aldehyde     | 1.4    | J B       | 2.4 | 0.62 | ug/Kg | ☆ | 06/28/21 07:45 | 06/29/21 18:43 | 1       |
| Endrin ketone       | ND     |           | 2.4 | 0.60 | ug/Kg | ☆ | 06/28/21 07:45 | 06/29/21 18:43 | 1       |
| gamma-BHC (Lindane) | 0.88   | J B       | 2.4 | 0.45 | ug/Kg | ☆ | 06/28/21 07:45 | 06/29/21 18:43 | 1       |
| Heptachlor          | ND     |           | 2.4 | 0.53 | ug/Kg | ☆ | 06/28/21 07:45 | 06/29/21 18:43 | 1       |
| Heptachlor epoxide  | ND     |           | 2.4 | 0.63 | ug/Kg | ☆ | 06/28/21 07:45 | 06/29/21 18:43 | 1       |
| Methoxychlor        | ND     |           | 2.4 | 0.50 | ug/Kg | ☆ | 06/28/21 07:45 | 06/29/21 18:43 | 1       |
| Mirex               | ND     |           | 2.4 | 0.60 | ug/Kg | ☆ | 06/28/21 07:45 | 06/29/21 18:43 | 1       |
| Toxaphene           | ND     |           | 24  | 14   | ug/Kg | ☆ | 06/28/21 07:45 | 06/29/21 18:43 | 1       |
| trans-Chlordane     | ND     |           | 2.4 | 0.78 | ug/Kg | ☆ | 06/28/21 07:45 | 06/29/21 18:43 | 1       |

Eurofins TestAmerica, Buffalo



# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

Client Sample ID: SS-10-0002

Lab Sample ID: 480-186319-11

Date Collected: 06/21/21 10:55

Matrix: Solid

Date Received: 06/21/21 16:14

Percent Solids: 68.0

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| DCB Decachlorobiphenyl | 114       |           | 45 - 120 | 06/28/21 07:45 | 06/29/21 18:43 | 1       |
| DCB Decachlorobiphenyl | 108       |           | 45 - 120 | 06/28/21 07:45 | 06/29/21 18:43 | 1       |
| Tetrachloro-m-xylene   | 122       |           | 30 - 124 | 06/28/21 07:45 | 06/29/21 18:43 | 1       |
| Tetrachloro-m-xylene   | 84        |           | 30 - 124 | 06/28/21 07:45 | 06/29/21 18:43 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| PCB-1016 | ND     |           | 0.28 | 0.055 | mg/Kg | ☆ | 06/26/21 11:52 | 06/28/21 04:43 | 1       |
| PCB-1221 | ND     |           | 0.28 | 0.055 | mg/Kg | ☆ | 06/26/21 11:52 | 06/28/21 04:43 | 1       |
| PCB-1232 | ND     |           | 0.28 | 0.055 | mg/Kg | ☆ | 06/26/21 11:52 | 06/28/21 04:43 | 1       |
| PCB-1242 | ND     |           | 0.28 | 0.055 | mg/Kg | ☆ | 06/26/21 11:52 | 06/28/21 04:43 | 1       |
| PCB-1248 | ND     |           | 0.28 | 0.055 | mg/Kg | ☆ | 06/26/21 11:52 | 06/28/21 04:43 | 1       |
| PCB-1254 | ND     |           | 0.28 | 0.13  | mg/Kg | ☆ | 06/26/21 11:52 | 06/28/21 04:43 | 1       |
| PCB-1260 | ND     |           | 0.28 | 0.13  | mg/Kg | ☆ | 06/26/21 11:52 | 06/28/21 04:43 | 1       |
| PCB-1262 | ND     |           | 0.28 | 0.13  | mg/Kg | ☆ | 06/26/21 11:52 | 06/28/21 04:43 | 1       |
| PCB-1268 | ND     |           | 0.28 | 0.13  | mg/Kg | ☆ | 06/26/21 11:52 | 06/28/21 04:43 | 1       |

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| Tetrachloro-m-xylene   | 158       | S1+       | 60 - 154 | 06/26/21 11:52 | 06/28/21 04:43 | 1       |
| Tetrachloro-m-xylene   | 160       | S1+       | 60 - 154 | 06/26/21 11:52 | 06/28/21 04:43 | 1       |
| DCB Decachlorobiphenyl | 146       |           | 65 - 174 | 06/26/21 11:52 | 06/28/21 04:43 | 1       |
| DCB Decachlorobiphenyl | 106       |           | 65 - 174 | 06/26/21 11:52 | 06/28/21 04:43 | 1       |

## Method: 6010C - Metals (ICP)

| Analyte   | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| Aluminum  | 10600  |           | 15.2 | 6.7   | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 01:02 | 1       |
| Antimony  | ND     |           | 22.7 | 0.61  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 01:02 | 1       |
| Arsenic   | 3.2    |           | 3.0  | 0.61  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 01:02 | 1       |
| Barium    | 63.4   | ^6+       | 0.76 | 0.17  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 01:02 | 1       |
| Beryllium | 0.50   |           | 0.30 | 0.042 | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 01:02 | 1       |
| Cadmium   | 0.82   |           | 0.30 | 0.045 | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 01:02 | 1       |
| Calcium   | 26900  | B         | 75.8 | 5.0   | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 01:02 | 1       |
| Chromium  | 14.9   |           | 0.76 | 0.30  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 01:02 | 1       |
| Cobalt    | 6.9    |           | 0.76 | 0.076 | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 01:02 | 1       |
| Copper    | 23.2   |           | 1.5  | 0.32  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 01:02 | 1       |
| Iron      | 15500  |           | 15.2 | 5.3   | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 01:02 | 1       |
| Lead      | 26.9   |           | 1.5  | 0.36  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 01:02 | 1       |
| Magnesium | 12200  | B         | 30.3 | 1.4   | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 01:02 | 1       |
| Manganese | 300    | B         | 0.30 | 0.049 | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 01:02 | 1       |
| Nickel    | 19.3   |           | 7.6  | 0.35  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 01:02 | 1       |
| Potassium | 2800   | B         | 45.5 | 30.3  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 01:02 | 1       |
| Selenium  | ND     |           | 6.1  | 0.61  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 01:02 | 1       |
| Silver    | ND     |           | 0.91 | 0.30  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 01:02 | 1       |
| Sodium    | 169    | J B       | 212  | 19.7  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 01:02 | 1       |
| Thallium  | ND     |           | 9.1  | 0.45  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 01:02 | 1       |
| Vanadium  | 25.4   |           | 0.76 | 0.17  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 01:02 | 1       |
| Zinc      | 83.2   |           | 3.0  | 0.97  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 01:02 | 1       |

## Method: 7471B - Mercury (CVAA)

| Analyte | Result | Qualifier | RL    | MDL    | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------|--------|-----------|-------|--------|-------|---|----------------|----------------|---------|
| Mercury | 0.067  |           | 0.028 | 0.0063 | mg/Kg | ☆ | 06/23/21 16:00 | 06/23/21 18:54 | 1       |

Eurofins TestAmerica, Buffalo

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

Client Sample ID: SS-10-0212

Lab Sample ID: 480-186319-12

Date Collected: 06/21/21 11:00

Matrix: Solid

Date Received: 06/21/21 16:14

Percent Solids: 77.4

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

| Analyte                       | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|--------|-----------|------|------|-------|---|----------------|----------------|---------|
| 2,4,5-Trichlorophenol         | ND     |           | 210  | 58   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 00:11 | 1       |
| 2,4,6-Trichlorophenol         | ND     |           | 210  | 43   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 00:11 | 1       |
| 2,4-Dichlorophenol            | ND     |           | 210  | 23   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 00:11 | 1       |
| 2,4-Dimethylphenol            | ND     |           | 210  | 52   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 00:11 | 1       |
| 2,4-Dinitrophenol             | ND     |           | 2100 | 990  | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 00:11 | 1       |
| 2,4-Dinitrotoluene            | ND     |           | 210  | 44   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 00:11 | 1       |
| 2,6-Dinitrotoluene            | ND     |           | 210  | 25   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 00:11 | 1       |
| 2-Chloronaphthalene           | ND     |           | 210  | 35   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 00:11 | 1       |
| 2-Chlorophenol                | ND     |           | 420  | 39   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 00:11 | 1       |
| 2-Methylnaphthalene           | ND     |           | 210  | 43   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 00:11 | 1       |
| 2-Methylphenol                | ND     |           | 210  | 25   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 00:11 | 1       |
| 2-Nitroaniline                | ND     |           | 420  | 32   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 00:11 | 1       |
| 2-Nitrophenol                 | ND     |           | 210  | 61   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 00:11 | 1       |
| 3,3'-Dichlorobenzidine        | ND     |           | 420  | 250  | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 00:11 | 1       |
| 3-Nitroaniline                | ND     |           | 420  | 59   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 00:11 | 1       |
| 4,6-Dinitro-2-methylphenol    | ND     |           | 420  | 210  | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 00:11 | 1       |
| 4-Bromophenyl phenyl ether    | ND     |           | 210  | 30   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 00:11 | 1       |
| 4-Chloro-3-methylphenol       | ND     |           | 210  | 53   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 00:11 | 1       |
| 4-Chloroaniline               | ND     |           | 210  | 53   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 00:11 | 1       |
| 4-Chlorophenyl phenyl ether   | ND     |           | 210  | 26   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 00:11 | 1       |
| 4-Methylphenol                | ND     |           | 420  | 25   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 00:11 | 1       |
| 4-Nitroaniline                | ND     |           | 420  | 110  | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 00:11 | 1       |
| 4-Nitrophenol                 | ND     |           | 420  | 150  | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 00:11 | 1       |
| Acenaphthene                  | ND     |           | 210  | 32   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 00:11 | 1       |
| Acenaphthylene                | ND     |           | 210  | 28   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 00:11 | 1       |
| Acetophenone                  | ND     |           | 210  | 29   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 00:11 | 1       |
| Anthracene                    | ND     |           | 210  | 53   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 00:11 | 1       |
| Atrazine                      | ND     |           | 210  | 74   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 00:11 | 1       |
| Benzaldehyde                  | ND     |           | 210  | 170  | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 00:11 | 1       |
| Benzo(a)anthracene            | ND     |           | 210  | 21   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 00:11 | 1       |
| Benzo(a)pyrene                | ND     |           | 210  | 32   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 00:11 | 1       |
| Benzo(b)fluoranthene          | ND     |           | 210  | 34   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 00:11 | 1       |
| Benzo(g,h,i)perylene          | ND     |           | 210  | 23   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 00:11 | 1       |
| Benzo(k)fluoranthene          | ND     |           | 210  | 28   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 00:11 | 1       |
| Benzoic acid                  | ND     |           | 6100 | 1900 | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 00:11 | 1       |
| Biphenyl                      | ND     |           | 210  | 32   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 00:11 | 1       |
| bis (2-chloroisopropyl) ether | ND     |           | 210  | 43   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 00:11 | 1       |
| Bis(2-chloroethoxy)methane    | ND     |           | 210  | 45   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 00:11 | 1       |
| Bis(2-chloroethyl)ether       | ND     |           | 210  | 28   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 00:11 | 1       |
| Bis(2-ethylhexyl) phthalate   | ND     |           | 210  | 73   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 00:11 | 1       |
| Butyl benzyl phthalate        | ND     |           | 210  | 35   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 00:11 | 1       |
| Caprolactam                   | ND     |           | 210  | 64   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 00:11 | 1       |
| Carbazole                     | ND     |           | 210  | 25   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 00:11 | 1       |
| Chrysene                      | ND     |           | 210  | 48   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 00:11 | 1       |
| Dibenz(a,h)anthracene         | ND     |           | 210  | 38   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 00:11 | 1       |
| Dibenzofuran                  | ND     |           | 210  | 25   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 00:11 | 1       |
| Diethyl phthalate             | ND     |           | 210  | 28   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 00:11 | 1       |
| Dimethyl phthalate            | ND     |           | 210  | 25   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 00:11 | 1       |
| Di-n-butyl phthalate          | 130    | J B       | 210  | 37   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 00:11 | 1       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

Client Sample ID: SS-10-0212

Lab Sample ID: 480-186319-12

Date Collected: 06/21/21 11:00

Matrix: Solid

Date Received: 06/21/21 16:14

Percent Solids: 77.4

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

| Analyte                   | Result | Qualifier | RL  | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------------|--------|-----------|-----|-----|-------|---|----------------|----------------|---------|
| Di-n-octyl phthalate      | ND     |           | 210 | 25  | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 00:11 | 1       |
| Fluoranthene              | ND     |           | 210 | 23  | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 00:11 | 1       |
| Fluorene                  | ND     |           | 210 | 25  | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 00:11 | 1       |
| Hexachlorobenzene         | ND     |           | 210 | 29  | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 00:11 | 1       |
| Hexachlorobutadiene       | ND     |           | 210 | 32  | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 00:11 | 1       |
| Hexachlorocyclopentadiene | ND     |           | 210 | 29  | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 00:11 | 1       |
| Hexachloroethane          | ND     |           | 210 | 28  | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 00:11 | 1       |
| Indeno(1,2,3-cd)pyrene    | ND     |           | 210 | 26  | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 00:11 | 1       |
| Isophorone                | ND     |           | 210 | 45  | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 00:11 | 1       |
| Naphthalene               | ND     |           | 210 | 28  | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 00:11 | 1       |
| Nitrobenzene              | ND     |           | 210 | 24  | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 00:11 | 1       |
| N-Nitrosodi-n-propylamine | ND     |           | 210 | 37  | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 00:11 | 1       |
| N-Nitrosodiphenylamine    | ND     |           | 210 | 170 | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 00:11 | 1       |
| Pentachlorophenol         | ND     |           | 420 | 210 | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 00:11 | 1       |
| Phenanthrene              | ND     |           | 210 | 32  | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 00:11 | 1       |
| Phenol                    | ND     |           | 210 | 33  | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 00:11 | 1       |
| Pyrene                    | ND     |           | 210 | 25  | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 00:11 | 1       |

| Surrogate            | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 2,4,6-Tribromophenol | 91        |           | 54 - 120 | 06/28/21 15:04 | 07/01/21 00:11 | 1       |
| 2-Fluorobiphenyl     | 83        |           | 60 - 120 | 06/28/21 15:04 | 07/01/21 00:11 | 1       |
| 2-Fluorophenol       | 70        |           | 52 - 120 | 06/28/21 15:04 | 07/01/21 00:11 | 1       |
| Nitrobenzene-d5      | 78        |           | 53 - 120 | 06/28/21 15:04 | 07/01/21 00:11 | 1       |
| p-Terphenyl-d14      | 91        |           | 79 - 130 | 06/28/21 15:04 | 07/01/21 00:11 | 1       |
| Phenol-d5            | 76        |           | 54 - 120 | 06/28/21 15:04 | 07/01/21 00:11 | 1       |

## Method: 8081B - Organochlorine Pesticides (GC)

| Analyte             | Result | Qualifier | RL  | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|--------|-----------|-----|------|-------|---|----------------|----------------|---------|
| 4,4'-DDD            | 0.78   | J         | 2.1 | 0.41 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 19:02 | 1       |
| 4,4'-DDE            | 1.2    | J         | 2.1 | 0.45 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 19:02 | 1       |
| 4,4'-DDT            | 1.6    | J         | 2.1 | 0.50 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 19:02 | 1       |
| Aldrin              | ND     |           | 2.1 | 0.52 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 19:02 | 1       |
| alpha-BHC           | ND     |           | 2.1 | 0.38 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 19:02 | 1       |
| beta-BHC            | ND     |           | 2.1 | 0.38 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 19:02 | 1       |
| cis-Chlordane       | ND     |           | 2.1 | 1.1  | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 19:02 | 1       |
| delta-BHC           | ND     |           | 2.1 | 0.40 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 19:02 | 1       |
| Dieldrin            | ND     |           | 2.1 | 0.51 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 19:02 | 1       |
| Endosulfan I        | ND     |           | 2.1 | 0.41 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 19:02 | 1       |
| Endosulfan II       | 0.57   | J         | 2.1 | 0.38 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 19:02 | 1       |
| Endosulfan sulfate  | ND     |           | 2.1 | 0.40 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 19:02 | 1       |
| Endrin              | ND     |           | 2.1 | 0.42 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 19:02 | 1       |
| Endrin aldehyde     | 1.1    | J B       | 2.1 | 0.55 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 19:02 | 1       |
| Endrin ketone       | ND     |           | 2.1 | 0.52 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 19:02 | 1       |
| gamma-BHC (Lindane) | 0.60   | J B       | 2.1 | 0.39 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 19:02 | 1       |
| Heptachlor          | ND     |           | 2.1 | 0.46 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 19:02 | 1       |
| Heptachlor epoxide  | ND     |           | 2.1 | 0.55 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 19:02 | 1       |
| Methoxychlor        | ND     |           | 2.1 | 0.44 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 19:02 | 1       |
| Mirex               | ND     |           | 2.1 | 0.52 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 19:02 | 1       |
| Toxaphene           | ND     |           | 2.1 | 12   | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 19:02 | 1       |
| trans-Chlordane     | ND     |           | 2.1 | 0.68 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 19:02 | 1       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

Client Sample ID: SS-10-0212

Lab Sample ID: 480-186319-12

Date Collected: 06/21/21 11:00

Matrix: Solid

Date Received: 06/21/21 16:14

Percent Solids: 77.4

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| DCB Decachlorobiphenyl | 97        |           | 45 - 120 | 06/28/21 07:45 | 06/29/21 19:02 | 1       |
| DCB Decachlorobiphenyl | 105       |           | 45 - 120 | 06/28/21 07:45 | 06/29/21 19:02 | 1       |
| Tetrachloro-m-xylene   | 89        |           | 30 - 124 | 06/28/21 07:45 | 06/29/21 19:02 | 1       |
| Tetrachloro-m-xylene   | 65        |           | 30 - 124 | 06/28/21 07:45 | 06/29/21 19:02 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| PCB-1016 | ND     |           | 0.22 | 0.044 | mg/Kg | ☆ | 06/26/21 11:52 | 06/28/21 04:56 | 1       |
| PCB-1221 | ND     |           | 0.22 | 0.044 | mg/Kg | ☆ | 06/26/21 11:52 | 06/28/21 04:56 | 1       |
| PCB-1232 | ND     |           | 0.22 | 0.044 | mg/Kg | ☆ | 06/26/21 11:52 | 06/28/21 04:56 | 1       |
| PCB-1242 | ND     |           | 0.22 | 0.044 | mg/Kg | ☆ | 06/26/21 11:52 | 06/28/21 04:56 | 1       |
| PCB-1248 | ND     |           | 0.22 | 0.044 | mg/Kg | ☆ | 06/26/21 11:52 | 06/28/21 04:56 | 1       |
| PCB-1254 | ND     |           | 0.22 | 0.10  | mg/Kg | ☆ | 06/26/21 11:52 | 06/28/21 04:56 | 1       |
| PCB-1260 | ND     |           | 0.22 | 0.10  | mg/Kg | ☆ | 06/26/21 11:52 | 06/28/21 04:56 | 1       |
| PCB-1262 | ND     |           | 0.22 | 0.10  | mg/Kg | ☆ | 06/26/21 11:52 | 06/28/21 04:56 | 1       |
| PCB-1268 | ND     |           | 0.22 | 0.10  | mg/Kg | ☆ | 06/26/21 11:52 | 06/28/21 04:56 | 1       |

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| Tetrachloro-m-xylene   | 153       |           | 60 - 154 | 06/26/21 11:52 | 06/28/21 04:56 | 1       |
| Tetrachloro-m-xylene   | 152       |           | 60 - 154 | 06/26/21 11:52 | 06/28/21 04:56 | 1       |
| DCB Decachlorobiphenyl | 144       |           | 65 - 174 | 06/26/21 11:52 | 06/28/21 04:56 | 1       |
| DCB Decachlorobiphenyl | 107       |           | 65 - 174 | 06/26/21 11:52 | 06/28/21 04:56 | 1       |

## Method: 6010C - Metals (ICP)

| Analyte   | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| Aluminum  | 11100  |           | 12.5 | 5.5   | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 01:06 | 1       |
| Antimony  | ND     |           | 18.7 | 0.50  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 01:06 | 1       |
| Arsenic   | 2.8    |           | 2.5  | 0.50  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 01:06 | 1       |
| Barium    | 57.7   | ^6+       | 0.62 | 0.14  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 01:06 | 1       |
| Beryllium | 0.51   |           | 0.25 | 0.035 | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 01:06 | 1       |
| Cadmium   | 0.27   |           | 0.25 | 0.037 | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 01:06 | 1       |
| Calcium   | 30600  | B         | 62.4 | 4.1   | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 01:06 | 1       |
| Chromium  | 15.2   |           | 0.62 | 0.25  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 01:06 | 1       |
| Cobalt    | 6.9    |           | 0.62 | 0.062 | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 01:06 | 1       |
| Copper    | 15.0   |           | 1.2  | 0.26  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 01:06 | 1       |
| Iron      | 14200  |           | 12.5 | 4.4   | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 01:06 | 1       |
| Lead      | 19.3   |           | 1.2  | 0.30  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 01:06 | 1       |
| Magnesium | 12600  | B         | 25.0 | 1.2   | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 01:06 | 1       |
| Manganese | 231    | B         | 0.25 | 0.040 | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 01:06 | 1       |
| Nickel    | 18.4   |           | 6.2  | 0.29  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 01:06 | 1       |
| Potassium | 2440   | B         | 37.5 | 25.0  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 01:06 | 1       |
| Selenium  | ND     |           | 5.0  | 0.50  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 01:06 | 1       |
| Silver    | 0.25   | J         | 0.75 | 0.25  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 01:06 | 1       |
| Sodium    | 173    | J B       | 175  | 16.2  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 01:06 | 1       |
| Thallium  | ND     |           | 7.5  | 0.37  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 01:06 | 1       |
| Vanadium  | 25.7   |           | 0.62 | 0.14  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 01:06 | 1       |
| Zinc      | 58.1   |           | 2.5  | 0.80  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 01:06 | 1       |

## Method: 7471B - Mercury (CVAA)

| Analyte | Result | Qualifier | RL    | MDL    | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------|--------|-----------|-------|--------|-------|---|----------------|----------------|---------|
| Mercury | 0.043  |           | 0.025 | 0.0057 | mg/Kg | ☆ | 06/23/21 16:00 | 06/23/21 18:55 | 1       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

Client Sample ID: SS-11-0002

Lab Sample ID: 480-186319-13

Date Collected: 06/21/21 10:40

Matrix: Solid

Date Received: 06/21/21 16:14

Percent Solids: 78.5

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

| Analyte                       | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|--------|-----------|------|------|-------|---|----------------|----------------|---------|
| 2,4,5-Trichlorophenol         | ND     |           | 210  | 58   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 00:35 | 1       |
| 2,4,6-Trichlorophenol         | ND     |           | 210  | 43   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 00:35 | 1       |
| 2,4-Dichlorophenol            | ND     |           | 210  | 23   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 00:35 | 1       |
| 2,4-Dimethylphenol            | ND     |           | 210  | 52   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 00:35 | 1       |
| 2,4-Dinitrophenol             | ND     |           | 2100 | 990  | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 00:35 | 1       |
| 2,4-Dinitrotoluene            | ND     |           | 210  | 44   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 00:35 | 1       |
| 2,6-Dinitrotoluene            | ND     |           | 210  | 25   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 00:35 | 1       |
| 2-Chloronaphthalene           | ND     |           | 210  | 35   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 00:35 | 1       |
| 2-Chlorophenol                | ND     |           | 420  | 39   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 00:35 | 1       |
| 2-Methylnaphthalene           | ND     |           | 210  | 43   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 00:35 | 1       |
| 2-Methylphenol                | ND     |           | 210  | 25   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 00:35 | 1       |
| 2-Nitroaniline                | ND     |           | 420  | 32   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 00:35 | 1       |
| 2-Nitrophenol                 | ND     |           | 210  | 61   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 00:35 | 1       |
| 3,3'-Dichlorobenzidine        | ND     |           | 420  | 250  | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 00:35 | 1       |
| 3-Nitroaniline                | ND     |           | 420  | 59   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 00:35 | 1       |
| 4,6-Dinitro-2-methylphenol    | ND     |           | 420  | 210  | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 00:35 | 1       |
| 4-Bromophenyl phenyl ether    | ND     |           | 210  | 30   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 00:35 | 1       |
| 4-Chloro-3-methylphenol       | ND     |           | 210  | 53   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 00:35 | 1       |
| 4-Chloroaniline               | ND     |           | 210  | 53   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 00:35 | 1       |
| 4-Chlorophenyl phenyl ether   | ND     |           | 210  | 27   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 00:35 | 1       |
| 4-Methylphenol                | ND     |           | 420  | 25   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 00:35 | 1       |
| 4-Nitroaniline                | ND     |           | 420  | 110  | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 00:35 | 1       |
| 4-Nitrophenol                 | ND     |           | 420  | 150  | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 00:35 | 1       |
| Acenaphthene                  | ND     |           | 210  | 32   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 00:35 | 1       |
| Acenaphthylene                | ND     |           | 210  | 28   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 00:35 | 1       |
| Acetophenone                  | ND     |           | 210  | 29   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 00:35 | 1       |
| Anthracene                    | ND     |           | 210  | 53   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 00:35 | 1       |
| Atrazine                      | ND     |           | 210  | 75   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 00:35 | 1       |
| Benzaldehyde                  | ND     |           | 210  | 170  | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 00:35 | 1       |
| Benzo(a)anthracene            | ND     |           | 210  | 21   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 00:35 | 1       |
| Benzo(a)pyrene                | 41     | J         | 210  | 32   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 00:35 | 1       |
| Benzo(b)fluoranthene          | 51     | J         | 210  | 34   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 00:35 | 1       |
| Benzo(g,h,i)perylene          | 29     | J         | 210  | 23   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 00:35 | 1       |
| Benzo(k)fluoranthene          | ND     |           | 210  | 28   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 00:35 | 1       |
| Benzoic acid                  | ND     |           | 6100 | 1900 | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 00:35 | 1       |
| Biphenyl                      | ND     |           | 210  | 32   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 00:35 | 1       |
| bis (2-chloroisopropyl) ether | ND     |           | 210  | 43   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 00:35 | 1       |
| Bis(2-chloroethoxy)methane    | ND     |           | 210  | 45   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 00:35 | 1       |
| Bis(2-chloroethyl)ether       | ND     |           | 210  | 28   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 00:35 | 1       |
| Bis(2-ethylhexyl) phthalate   | ND     |           | 210  | 73   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 00:35 | 1       |
| Butyl benzyl phthalate        | ND     |           | 210  | 35   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 00:35 | 1       |
| Caprolactam                   | ND     |           | 210  | 64   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 00:35 | 1       |
| Carbazole                     | ND     |           | 210  | 25   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 00:35 | 1       |
| Chrysene                      | ND     |           | 210  | 48   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 00:35 | 1       |
| Dibenz(a,h)anthracene         | ND     |           | 210  | 38   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 00:35 | 1       |
| Dibenzofuran                  | ND     |           | 210  | 25   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 00:35 | 1       |
| Diethyl phthalate             | ND     |           | 210  | 28   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 00:35 | 1       |
| Dimethyl phthalate            | ND     |           | 210  | 25   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 00:35 | 1       |
| Di-n-butyl phthalate          | 110    | J B       | 210  | 37   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 00:35 | 1       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

Client Sample ID: SS-11-0002

Lab Sample ID: 480-186319-13

Date Collected: 06/21/21 10:40

Matrix: Solid

Date Received: 06/21/21 16:14

Percent Solids: 78.5

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

| Analyte                       | Result    | Qualifier | RL  | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|-----------|-----------|-----|-----|-------|---|----------------|----------------|---------|
| Di-n-octyl phthalate          | ND        |           | 210 | 25  | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 00:35 | 1       |
| <b>Fluoranthene</b>           | <b>59</b> | <b>J</b>  | 210 | 23  | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 00:35 | 1       |
| Fluorene                      | ND        |           | 210 | 25  | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 00:35 | 1       |
| Hexachlorobenzene             | ND        |           | 210 | 29  | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 00:35 | 1       |
| Hexachlorobutadiene           | ND        |           | 210 | 32  | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 00:35 | 1       |
| Hexachlorocyclopentadiene     | ND        |           | 210 | 29  | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 00:35 | 1       |
| Hexachloroethane              | ND        |           | 210 | 28  | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 00:35 | 1       |
| <b>Indeno(1,2,3-cd)pyrene</b> | <b>30</b> | <b>J</b>  | 210 | 27  | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 00:35 | 1       |
| Isophorone                    | ND        |           | 210 | 45  | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 00:35 | 1       |
| Naphthalene                   | ND        |           | 210 | 28  | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 00:35 | 1       |
| Nitrobenzene                  | ND        |           | 210 | 24  | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 00:35 | 1       |
| N-Nitrosodi-n-propylamine     | ND        |           | 210 | 37  | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 00:35 | 1       |
| N-Nitrosodiphenylamine        | ND        |           | 210 | 170 | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 00:35 | 1       |
| Pentachlorophenol             | ND        |           | 420 | 210 | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 00:35 | 1       |
| Phenanthrene                  | ND        |           | 210 | 32  | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 00:35 | 1       |
| Phenol                        | ND        |           | 210 | 33  | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 00:35 | 1       |
| <b>Pyrene</b>                 | <b>48</b> | <b>J</b>  | 210 | 25  | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 00:35 | 1       |

| Surrogate            | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 2,4,6-Tribromophenol | 78        |           | 54 - 120 | 06/28/21 15:04 | 07/01/21 00:35 | 1       |
| 2-Fluorobiphenyl     | 72        |           | 60 - 120 | 06/28/21 15:04 | 07/01/21 00:35 | 1       |
| 2-Fluorophenol       | 62        |           | 52 - 120 | 06/28/21 15:04 | 07/01/21 00:35 | 1       |
| Nitrobenzene-d5      | 65        |           | 53 - 120 | 06/28/21 15:04 | 07/01/21 00:35 | 1       |
| p-Terphenyl-d14      | 78        | S1-       | 79 - 130 | 06/28/21 15:04 | 07/01/21 00:35 | 1       |
| Phenol-d5            | 66        |           | 54 - 120 | 06/28/21 15:04 | 07/01/21 00:35 | 1       |

## Method: 8081B - Organochlorine Pesticides (GC)

| Analyte                    | Result      | Qualifier  | RL  | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------------------------|-------------|------------|-----|------|-------|---|----------------|----------------|---------|
| 4,4'-DDD                   | ND          |            | 2.1 | 0.41 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 19:22 | 1       |
| <b>4,4'-DDE</b>            | <b>4.3</b>  |            | 2.1 | 0.45 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 19:22 | 1       |
| <b>4,4'-DDT</b>            | <b>45</b>   |            | 2.1 | 0.50 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 19:22 | 1       |
| <b>Aldrin</b>              | <b>2.1</b>  |            | 2.1 | 0.52 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 19:22 | 1       |
| alpha-BHC                  | ND          |            | 2.1 | 0.38 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 19:22 | 1       |
| <b>beta-BHC</b>            | <b>2.3</b>  | <b>B</b>   | 2.1 | 0.38 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 19:22 | 1       |
| cis-Chlordane              | ND          |            | 2.1 | 1.1  | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 19:22 | 1       |
| delta-BHC                  | ND          |            | 2.1 | 0.39 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 19:22 | 1       |
| <b>Dieldrin</b>            | <b>3.9</b>  |            | 2.1 | 0.51 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 19:22 | 1       |
| <b>Endosulfan I</b>        | <b>4.0</b>  |            | 2.1 | 0.41 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 19:22 | 1       |
| <b>Endosulfan II</b>       | <b>1.8</b>  | <b>J</b>   | 2.1 | 0.38 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 19:22 | 1       |
| Endosulfan sulfate         | ND          |            | 2.1 | 0.40 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 19:22 | 1       |
| <b>Endrin</b>              | <b>2.5</b>  |            | 2.1 | 0.42 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 19:22 | 1       |
| <b>Endrin aldehyde</b>     | <b>1.1</b>  | <b>J B</b> | 2.1 | 0.54 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 19:22 | 1       |
| Endrin ketone              | ND          |            | 2.1 | 0.52 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 19:22 | 1       |
| <b>gamma-BHC (Lindane)</b> | <b>0.92</b> | <b>J B</b> | 2.1 | 0.39 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 19:22 | 1       |
| Heptachlor                 | ND          |            | 2.1 | 0.46 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 19:22 | 1       |
| <b>Heptachlor epoxide</b>  | <b>2.8</b>  |            | 2.1 | 0.55 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 19:22 | 1       |
| Methoxychlor               | ND          |            | 2.1 | 0.43 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 19:22 | 1       |
| <b>Mirex</b>               | <b>1.0</b>  | <b>J</b>   | 2.1 | 0.52 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 19:22 | 1       |
| Toxaphene                  | ND          |            | 2.1 | 12   | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 19:22 | 1       |
| <b>trans-Chlordane</b>     | <b>15</b>   |            | 2.1 | 0.67 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 19:22 | 1       |

Eurofins TestAmerica, Buffalo

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

Client Sample ID: SS-11-0002

Lab Sample ID: 480-186319-13

Date Collected: 06/21/21 10:40

Matrix: Solid

Date Received: 06/21/21 16:14

Percent Solids: 78.5

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| DCB Decachlorobiphenyl | 602       | S1+       | 45 - 120 | 06/28/21 07:45 | 06/29/21 19:22 | 1       |
| DCB Decachlorobiphenyl | 175       | S1+       | 45 - 120 | 06/28/21 07:45 | 06/29/21 19:22 | 1       |
| Tetrachloro-m-xylene   | 116       |           | 30 - 124 | 06/28/21 07:45 | 06/29/21 19:22 | 1       |
| Tetrachloro-m-xylene   | 81        |           | 30 - 124 | 06/28/21 07:45 | 06/29/21 19:22 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| PCB-1016 | ND     |           | 0.28 | 0.054 | mg/Kg | ☆ | 06/29/21 08:04 | 06/30/21 03:54 | 1       |
| PCB-1221 | ND     |           | 0.28 | 0.054 | mg/Kg | ☆ | 06/29/21 08:04 | 06/30/21 03:54 | 1       |
| PCB-1232 | ND     |           | 0.28 | 0.054 | mg/Kg | ☆ | 06/29/21 08:04 | 06/30/21 03:54 | 1       |
| PCB-1242 | ND     |           | 0.28 | 0.054 | mg/Kg | ☆ | 06/29/21 08:04 | 06/30/21 03:54 | 1       |
| PCB-1248 | ND     |           | 0.28 | 0.054 | mg/Kg | ☆ | 06/29/21 08:04 | 06/30/21 03:54 | 1       |
| PCB-1254 | 0.28   |           | 0.28 | 0.13  | mg/Kg | ☆ | 06/29/21 08:04 | 06/30/21 03:54 | 1       |
| PCB-1260 | ND     |           | 0.28 | 0.13  | mg/Kg | ☆ | 06/29/21 08:04 | 06/30/21 03:54 | 1       |
| PCB-1262 | ND     |           | 0.28 | 0.13  | mg/Kg | ☆ | 06/29/21 08:04 | 06/30/21 03:54 | 1       |
| PCB-1268 | ND     |           | 0.28 | 0.13  | mg/Kg | ☆ | 06/29/21 08:04 | 06/30/21 03:54 | 1       |

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| Tetrachloro-m-xylene   | 122       |           | 60 - 154 | 06/29/21 08:04 | 06/30/21 03:54 | 1       |
| Tetrachloro-m-xylene   | 129       |           | 60 - 154 | 06/29/21 08:04 | 06/30/21 03:54 | 1       |
| DCB Decachlorobiphenyl | 115       |           | 65 - 174 | 06/29/21 08:04 | 06/30/21 03:54 | 1       |
| DCB Decachlorobiphenyl | 91        |           | 65 - 174 | 06/29/21 08:04 | 06/30/21 03:54 | 1       |

## Method: 6010C - Metals (ICP)

| Analyte   | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| Aluminum  | 8650   |           | 12.3 | 5.4   | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 01:10 | 1       |
| Antimony  | ND     |           | 18.5 | 0.49  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 01:10 | 1       |
| Arsenic   | 3.5    |           | 2.5  | 0.49  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 01:10 | 1       |
| Barium    | 52.6   | ^6+       | 0.62 | 0.14  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 01:10 | 1       |
| Beryllium | 0.39   |           | 0.25 | 0.034 | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 01:10 | 1       |
| Cadmium   | 0.99   |           | 0.25 | 0.037 | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 01:10 | 1       |
| Calcium   | 35000  | B         | 61.5 | 4.1   | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 01:10 | 1       |
| Chromium  | 16.1   |           | 0.62 | 0.25  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 01:10 | 1       |
| Cobalt    | 6.5    |           | 0.62 | 0.062 | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 01:10 | 1       |
| Copper    | 23.3   |           | 1.2  | 0.26  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 01:10 | 1       |
| Iron      | 14900  |           | 12.3 | 4.3   | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 01:10 | 1       |
| Lead      | 38.1   |           | 1.2  | 0.30  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 01:10 | 1       |
| Magnesium | 14400  | B         | 24.6 | 1.1   | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 01:10 | 1       |
| Manganese | 375    | B         | 0.25 | 0.039 | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 01:10 | 1       |
| Nickel    | 17.3   |           | 6.2  | 0.28  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 01:10 | 1       |
| Potassium | 2260   | B         | 36.9 | 24.6  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 01:10 | 1       |
| Selenium  | ND     |           | 4.9  | 0.49  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 01:10 | 1       |
| Silver    | 0.49   | J         | 0.74 | 0.25  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 01:10 | 1       |
| Sodium    | 171    | J B       | 172  | 16.0  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 01:10 | 1       |
| Thallium  | ND     |           | 7.4  | 0.37  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 01:10 | 1       |
| Vanadium  | 22.5   |           | 0.62 | 0.14  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 01:10 | 1       |
| Zinc      | 128    |           | 2.5  | 0.79  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 01:10 | 1       |

## Method: 7471B - Mercury (CVAA)

| Analyte | Result | Qualifier | RL    | MDL    | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------|--------|-----------|-------|--------|-------|---|----------------|----------------|---------|
| Mercury | 0.20   |           | 0.025 | 0.0058 | mg/Kg | ☆ | 06/23/21 16:00 | 06/23/21 18:57 | 1       |

Eurofins TestAmerica, Buffalo



# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

Client Sample ID: SS-11-0212

Lab Sample ID: 480-186319-14

Date Collected: 06/21/21 10:45

Matrix: Solid

Date Received: 06/21/21 16:14

Percent Solids: 86.7

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

| Analyte                       | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|--------|-----------|------|------|-------|---|----------------|----------------|---------|
| 2,4,5-Trichlorophenol         | ND     |           | 190  | 52   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 00:59 | 1       |
| 2,4,6-Trichlorophenol         | ND     |           | 190  | 39   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 00:59 | 1       |
| 2,4-Dichlorophenol            | ND     |           | 190  | 20   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 00:59 | 1       |
| 2,4-Dimethylphenol            | ND     |           | 190  | 47   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 00:59 | 1       |
| 2,4-Dinitrophenol             | ND     |           | 1900 | 890  | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 00:59 | 1       |
| 2,4-Dinitrotoluene            | ND     |           | 190  | 40   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 00:59 | 1       |
| 2,6-Dinitrotoluene            | ND     |           | 190  | 23   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 00:59 | 1       |
| 2-Chloronaphthalene           | ND     |           | 190  | 32   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 00:59 | 1       |
| 2-Chlorophenol                | ND     |           | 380  | 35   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 00:59 | 1       |
| 2-Methylnaphthalene           | ND     |           | 190  | 39   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 00:59 | 1       |
| 2-Methylphenol                | ND     |           | 190  | 23   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 00:59 | 1       |
| 2-Nitroaniline                | ND     |           | 380  | 28   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 00:59 | 1       |
| 2-Nitrophenol                 | ND     |           | 190  | 55   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 00:59 | 1       |
| 3,3'-Dichlorobenzidine        | ND     |           | 380  | 230  | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 00:59 | 1       |
| 3-Nitroaniline                | ND     |           | 380  | 54   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 00:59 | 1       |
| 4,6-Dinitro-2-methylphenol    | ND     |           | 380  | 190  | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 00:59 | 1       |
| 4-Bromophenyl phenyl ether    | ND     |           | 190  | 27   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 00:59 | 1       |
| 4-Chloro-3-methylphenol       | ND     |           | 190  | 48   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 00:59 | 1       |
| 4-Chloroaniline               | ND     |           | 190  | 48   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 00:59 | 1       |
| 4-Chlorophenyl phenyl ether   | ND     |           | 190  | 24   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 00:59 | 1       |
| 4-Methylphenol                | ND     |           | 380  | 23   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 00:59 | 1       |
| 4-Nitroaniline                | ND     |           | 380  | 100  | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 00:59 | 1       |
| 4-Nitrophenol                 | ND     |           | 380  | 140  | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 00:59 | 1       |
| Acenaphthene                  | 62     | J         | 190  | 28   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 00:59 | 1       |
| Acenaphthylene                | ND     |           | 190  | 25   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 00:59 | 1       |
| Acetophenone                  | ND     |           | 190  | 26   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 00:59 | 1       |
| Anthracene                    | 150    | J         | 190  | 48   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 00:59 | 1       |
| Atrazine                      | ND     |           | 190  | 67   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 00:59 | 1       |
| Benzaldehyde                  | ND     |           | 190  | 150  | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 00:59 | 1       |
| Benzo(a)anthracene            | 250    |           | 190  | 19   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 00:59 | 1       |
| Benzo(a)pyrene                | 200    |           | 190  | 28   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 00:59 | 1       |
| Benzo(b)fluoranthene          | 270    |           | 190  | 31   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 00:59 | 1       |
| Benzo(g,h,i)perylene          | 130    | J         | 190  | 20   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 00:59 | 1       |
| Benzo(k)fluoranthene          | 120    | J         | 190  | 25   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 00:59 | 1       |
| Benzoic acid                  | ND     |           | 5500 | 1700 | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 00:59 | 1       |
| Biphenyl                      | ND     |           | 190  | 28   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 00:59 | 1       |
| bis (2-chloroisopropyl) ether | ND     |           | 190  | 39   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 00:59 | 1       |
| Bis(2-chloroethoxy)methane    | ND     |           | 190  | 41   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 00:59 | 1       |
| Bis(2-chloroethyl)ether       | ND     |           | 190  | 25   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 00:59 | 1       |
| Bis(2-ethylhexyl) phthalate   | ND     |           | 190  | 66   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 00:59 | 1       |
| Butyl benzyl phthalate        | ND     |           | 190  | 32   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 00:59 | 1       |
| Caprolactam                   | ND     |           | 190  | 58   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 00:59 | 1       |
| Carbazole                     | 55     | J         | 190  | 23   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 00:59 | 1       |
| Chrysene                      | 250    |           | 190  | 43   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 00:59 | 1       |
| Dibenz(a,h)anthracene         | 40     | J         | 190  | 34   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 00:59 | 1       |
| Dibenzofuran                  | 27     | J         | 190  | 23   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 00:59 | 1       |
| Diethyl phthalate             | ND     |           | 190  | 25   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 00:59 | 1       |
| Dimethyl phthalate            | ND     |           | 190  | 23   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 00:59 | 1       |
| Di-n-butyl phthalate          | 82     | J B       | 190  | 33   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 00:59 | 1       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

Client Sample ID: SS-11-0212

Lab Sample ID: 480-186319-14

Date Collected: 06/21/21 10:45

Matrix: Solid

Date Received: 06/21/21 16:14

Percent Solids: 86.7

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

| Analyte                   | Result | Qualifier | RL  | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------------|--------|-----------|-----|-----|-------|---|----------------|----------------|---------|
| Di-n-octyl phthalate      | ND     |           | 190 | 23  | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 00:59 | 1       |
| Fluoranthene              | 620    |           | 190 | 20  | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 00:59 | 1       |
| Fluorene                  | 58     | J         | 190 | 23  | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 00:59 | 1       |
| Hexachlorobenzene         | ND     |           | 190 | 26  | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 00:59 | 1       |
| Hexachlorobutadiene       | ND     |           | 190 | 28  | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 00:59 | 1       |
| Hexachlorocyclopentadiene | ND     |           | 190 | 26  | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 00:59 | 1       |
| Hexachloroethane          | ND     |           | 190 | 25  | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 00:59 | 1       |
| Indeno(1,2,3-cd)pyrene    | 120    | J         | 190 | 24  | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 00:59 | 1       |
| Isophorone                | ND     |           | 190 | 41  | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 00:59 | 1       |
| Naphthalene               | ND     |           | 190 | 25  | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 00:59 | 1       |
| Nitrobenzene              | ND     |           | 190 | 22  | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 00:59 | 1       |
| N-Nitrosodi-n-propylamine | ND     |           | 190 | 33  | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 00:59 | 1       |
| N-Nitrosodiphenylamine    | ND     |           | 190 | 160 | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 00:59 | 1       |
| Pentachlorophenol         | ND     |           | 380 | 190 | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 00:59 | 1       |
| Phenanthrene              | 500    |           | 190 | 28  | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 00:59 | 1       |
| Phenol                    | ND     |           | 190 | 30  | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 00:59 | 1       |
| Pyrene                    | 450    |           | 190 | 23  | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 00:59 | 1       |

| Surrogate            | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 2,4,6-Tribromophenol | 64        |           | 54 - 120 | 06/28/21 15:04 | 07/01/21 00:59 | 1       |
| 2-Fluorobiphenyl     | 64        |           | 60 - 120 | 06/28/21 15:04 | 07/01/21 00:59 | 1       |
| 2-Fluorophenol       | 54        |           | 52 - 120 | 06/28/21 15:04 | 07/01/21 00:59 | 1       |
| Nitrobenzene-d5      | 62        |           | 53 - 120 | 06/28/21 15:04 | 07/01/21 00:59 | 1       |
| p-Terphenyl-d14      | 65        | S1-       | 79 - 130 | 06/28/21 15:04 | 07/01/21 00:59 | 1       |
| Phenol-d5            | 57        |           | 54 - 120 | 06/28/21 15:04 | 07/01/21 00:59 | 1       |

## Method: 8081B - Organochlorine Pesticides (GC)

| Analyte             | Result | Qualifier | RL  | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|--------|-----------|-----|------|-------|---|----------------|----------------|---------|
| 4,4'-DDD            | 1.3    | J         | 1.9 | 0.37 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 19:41 | 1       |
| 4,4'-DDE            | 4.9    |           | 1.9 | 0.40 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 19:41 | 1       |
| 4,4'-DDT            | 33     |           | 1.9 | 0.45 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 19:41 | 1       |
| Aldrin              | ND     |           | 1.9 | 0.47 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 19:41 | 1       |
| alpha-BHC           | ND     |           | 1.9 | 0.34 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 19:41 | 1       |
| beta-BHC            | 2.2    |           | 1.9 | 0.34 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 19:41 | 1       |
| cis-Chlordane       | ND     |           | 1.9 | 0.95 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 19:41 | 1       |
| delta-BHC           | ND     |           | 1.9 | 0.35 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 19:41 | 1       |
| Dieldrin            | 3.3    |           | 1.9 | 0.46 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 19:41 | 1       |
| Endosulfan I        | 2.5    |           | 1.9 | 0.37 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 19:41 | 1       |
| Endosulfan II       | 2.0    |           | 1.9 | 0.34 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 19:41 | 1       |
| Endosulfan sulfate  | 1.6    | J         | 1.9 | 0.36 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 19:41 | 1       |
| Endrin              | 2.1    |           | 1.9 | 0.38 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 19:41 | 1       |
| Endrin aldehyde     | 0.86   | J B       | 1.9 | 0.49 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 19:41 | 1       |
| Endrin ketone       | ND     |           | 1.9 | 0.47 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 19:41 | 1       |
| gamma-BHC (Lindane) | 0.60   | J B       | 1.9 | 0.35 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 19:41 | 1       |
| Heptachlor          | ND     |           | 1.9 | 0.41 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 19:41 | 1       |
| Heptachlor epoxide  | 2.1    |           | 1.9 | 0.49 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 19:41 | 1       |
| Methoxychlor        | ND     |           | 1.9 | 0.39 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 19:41 | 1       |
| Mirex               | 1.0    | J         | 1.9 | 0.47 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 19:41 | 1       |
| Toxaphene           | ND     |           | 19  | 11   | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 19:41 | 1       |
| trans-Chlordane     | 10     |           | 1.9 | 0.61 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 19:41 | 1       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

Client Sample ID: SS-11-0212

Lab Sample ID: 480-186319-14

Date Collected: 06/21/21 10:45

Matrix: Solid

Date Received: 06/21/21 16:14

Percent Solids: 86.7

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| DCB Decachlorobiphenyl | 121       | S1+       | 45 - 120 | 06/28/21 07:45 | 06/29/21 19:41 | 1       |
| DCB Decachlorobiphenyl | 154       | S1+       | 45 - 120 | 06/28/21 07:45 | 06/29/21 19:41 | 1       |
| Tetrachloro-m-xylene   | 102       |           | 30 - 124 | 06/28/21 07:45 | 06/29/21 19:41 | 1       |
| Tetrachloro-m-xylene   | 74        |           | 30 - 124 | 06/28/21 07:45 | 06/29/21 19:41 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| PCB-1016 | ND     |           | 0.24 | 0.047 | mg/Kg | ☆ | 06/29/21 08:04 | 06/30/21 04:07 | 1       |
| PCB-1221 | ND     |           | 0.24 | 0.047 | mg/Kg | ☆ | 06/29/21 08:04 | 06/30/21 04:07 | 1       |
| PCB-1232 | ND     |           | 0.24 | 0.047 | mg/Kg | ☆ | 06/29/21 08:04 | 06/30/21 04:07 | 1       |
| PCB-1242 | ND     |           | 0.24 | 0.047 | mg/Kg | ☆ | 06/29/21 08:04 | 06/30/21 04:07 | 1       |
| PCB-1248 | ND     |           | 0.24 | 0.047 | mg/Kg | ☆ | 06/29/21 08:04 | 06/30/21 04:07 | 1       |
| PCB-1254 | 0.25   |           | 0.24 | 0.11  | mg/Kg | ☆ | 06/29/21 08:04 | 06/30/21 04:07 | 1       |
| PCB-1260 | ND     |           | 0.24 | 0.11  | mg/Kg | ☆ | 06/29/21 08:04 | 06/30/21 04:07 | 1       |
| PCB-1262 | ND     |           | 0.24 | 0.11  | mg/Kg | ☆ | 06/29/21 08:04 | 06/30/21 04:07 | 1       |
| PCB-1268 | ND     |           | 0.24 | 0.11  | mg/Kg | ☆ | 06/29/21 08:04 | 06/30/21 04:07 | 1       |

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| Tetrachloro-m-xylene   | 120       |           | 60 - 154 | 06/29/21 08:04 | 06/30/21 04:07 | 1       |
| Tetrachloro-m-xylene   | 123       |           | 60 - 154 | 06/29/21 08:04 | 06/30/21 04:07 | 1       |
| DCB Decachlorobiphenyl | 114       |           | 65 - 174 | 06/29/21 08:04 | 06/30/21 04:07 | 1       |
| DCB Decachlorobiphenyl | 91        |           | 65 - 174 | 06/29/21 08:04 | 06/30/21 04:07 | 1       |

## Method: 6010C - Metals (ICP)

| Analyte   | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| Aluminum  | 8740   |           | 11.4 | 5.0   | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 01:14 | 1       |
| Antimony  | ND     |           | 17.1 | 0.45  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 01:14 | 1       |
| Arsenic   | 3.5    |           | 2.3  | 0.45  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 01:14 | 1       |
| Barium    | 53.8   | ^6+       | 0.57 | 0.13  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 01:14 | 1       |
| Beryllium | 0.39   |           | 0.23 | 0.032 | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 01:14 | 1       |
| Cadmium   | 0.80   |           | 0.23 | 0.034 | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 01:14 | 1       |
| Calcium   | 36100  | B         | 56.9 | 3.8   | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 01:14 | 1       |
| Chromium  | 16.1   |           | 0.57 | 0.23  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 01:14 | 1       |
| Cobalt    | 6.2    |           | 0.57 | 0.057 | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 01:14 | 1       |
| Copper    | 25.3   |           | 1.1  | 0.24  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 01:14 | 1       |
| Iron      | 14200  |           | 11.4 | 4.0   | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 01:14 | 1       |
| Lead      | 35.9   |           | 1.1  | 0.27  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 01:14 | 1       |
| Magnesium | 14100  | B         | 22.7 | 1.1   | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 01:14 | 1       |
| Manganese | 355    | B         | 0.23 | 0.036 | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 01:14 | 1       |
| Nickel    | 17.0   |           | 5.7  | 0.26  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 01:14 | 1       |
| Potassium | 2150   | B         | 34.1 | 22.7  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 01:14 | 1       |
| Selenium  | ND     |           | 4.5  | 0.45  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 01:14 | 1       |
| Silver    | 0.54   | J         | 0.68 | 0.23  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 01:14 | 1       |
| Sodium    | 175    | B         | 159  | 14.8  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 01:14 | 1       |
| Thallium  | ND     |           | 6.8  | 0.34  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 01:14 | 1       |
| Vanadium  | 22.6   |           | 0.57 | 0.13  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 01:14 | 1       |
| Zinc      | 112    |           | 2.3  | 0.73  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 01:14 | 1       |

## Method: 7471B - Mercury (CVAA)

| Analyte | Result | Qualifier | RL    | MDL    | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------|--------|-----------|-------|--------|-------|---|----------------|----------------|---------|
| Mercury | 0.20   |           | 0.029 | 0.0067 | mg/Kg | ☆ | 06/23/21 16:00 | 06/23/21 18:58 | 1       |

Eurofins TestAmerica, Buffalo

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

Client Sample ID: SS-12-0002

Lab Sample ID: 480-186319-15

Date Collected: 06/21/21 11:05

Matrix: Solid

Date Received: 06/21/21 16:14

Percent Solids: 71.0

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

| Analyte                       | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|--------|-----------|------|------|-------|---|----------------|----------------|---------|
| 2,4,5-Trichlorophenol         | ND     | F2        | 240  | 65   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 19:25 | 1       |
| 2,4,6-Trichlorophenol         | ND     | F2        | 240  | 48   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 19:25 | 1       |
| 2,4-Dichlorophenol            | ND     | F2        | 240  | 25   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 19:25 | 1       |
| 2,4-Dimethylphenol            | ND     | F1        | 240  | 58   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 19:25 | 1       |
| 2,4-Dinitrophenol             | ND     | F1        | 2300 | 1100 | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 19:25 | 1       |
| 2,4-Dinitrotoluene            | ND     | F1 F2     | 240  | 49   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 19:25 | 1       |
| 2,6-Dinitrotoluene            | ND     | F1 F2     | 240  | 28   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 19:25 | 1       |
| 2-Chloronaphthalene           | ND     | F1        | 240  | 39   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 19:25 | 1       |
| 2-Chlorophenol                | ND     | F2        | 460  | 44   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 19:25 | 1       |
| 2-Methylnaphthalene           | ND     | F1 F2     | 240  | 48   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 19:25 | 1       |
| 2-Methylphenol                | ND     |           | 240  | 28   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 19:25 | 1       |
| 2-Nitroaniline                | ND     | F1 F2     | 460  | 35   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 19:25 | 1       |
| 2-Nitrophenol                 | ND     | F2        | 240  | 68   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 19:25 | 1       |
| 3,3'-Dichlorobenzidine        | ND     | F2        | 460  | 280  | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 19:25 | 1       |
| 3-Nitroaniline                | ND     | F1 F2     | 460  | 66   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 19:25 | 1       |
| 4,6-Dinitro-2-methylphenol    | ND     | F2        | 460  | 240  | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 19:25 | 1       |
| 4-Bromophenyl phenyl ether    | ND     | F1 F2     | 240  | 34   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 19:25 | 1       |
| 4-Chloro-3-methylphenol       | ND     |           | 240  | 59   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 19:25 | 1       |
| 4-Chloroaniline               | ND     | F1 F2     | 240  | 59   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 19:25 | 1       |
| 4-Chlorophenyl phenyl ether   | ND     | F1 F2     | 240  | 30   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 19:25 | 1       |
| 4-Methylphenol                | ND     | F1 F2     | 460  | 28   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 19:25 | 1       |
| 4-Nitroaniline                | ND     | F1        | 460  | 130  | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 19:25 | 1       |
| 4-Nitrophenol                 | ND     |           | 460  | 170  | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 19:25 | 1       |
| Acenaphthene                  | 150    | J F1      | 240  | 35   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 19:25 | 1       |
| Acenaphthylene                | ND     | F1 F2     | 240  | 31   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 19:25 | 1       |
| Acetophenone                  | 41     | J F2      | 240  | 32   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 19:25 | 1       |
| Anthracene                    | 250    | F1 F2     | 240  | 59   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 19:25 | 1       |
| Atrazine                      | ND     | F1 F2     | 240  | 83   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 19:25 | 1       |
| Benzaldehyde                  | ND     | F2        | 240  | 190  | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 19:25 | 1       |
| Benzo(a)anthracene            | 1100   | F1 F2     | 240  | 24   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 19:25 | 1       |
| Benzo(a)pyrene                | 1200   | F1 F2     | 240  | 35   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 19:25 | 1       |
| Benzo(b)fluoranthene          | 1600   | F1 F2     | 240  | 38   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 19:25 | 1       |
| Benzo(g,h,i)perylene          | 800    |           | 240  | 25   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 19:25 | 1       |
| Benzo(k)fluoranthene          | 670    | F2        | 240  | 31   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 19:25 | 1       |
| Benzoic acid                  | ND     | F1        | 6800 | 2100 | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 19:25 | 1       |
| Biphenyl                      | ND     | F1 F2     | 240  | 35   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 19:25 | 1       |
| bis (2-chloroisopropyl) ether | ND     | F2        | 240  | 48   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 19:25 | 1       |
| Bis(2-chloroethoxy)methane    | ND     | F1 F2     | 240  | 51   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 19:25 | 1       |
| Bis(2-chloroethyl)ether       | ND     | F2        | 240  | 31   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 19:25 | 1       |
| Bis(2-ethylhexyl) phthalate   | 91     | J F1 F2   | 240  | 82   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 19:25 | 1       |
| Butyl benzyl phthalate        | ND     | F1 F2     | 240  | 39   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 19:25 | 1       |
| Caprolactam                   | ND     | F2        | 240  | 72   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 19:25 | 1       |
| Carbazole                     | 180    | J F1 F2   | 240  | 28   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 19:25 | 1       |
| Chrysene                      | 1200   | F1 F2     | 240  | 53   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 19:25 | 1       |
| Dibenz(a,h)anthracene         | 250    |           | 240  | 42   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 19:25 | 1       |
| Dibenzofuran                  | 53     | J F1 F2   | 240  | 28   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 19:25 | 1       |
| Diethyl phthalate             | ND     | F1 F2     | 240  | 31   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 19:25 | 1       |
| Dimethyl phthalate            | ND     | F1 F2     | 240  | 28   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 19:25 | 1       |
| Di-n-butyl phthalate          | 150    | J B F1 F2 | 240  | 41   | ug/Kg | ✱ | 06/28/21 15:04 | 06/30/21 19:25 | 1       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

Client Sample ID: SS-12-0002

Lab Sample ID: 480-186319-15

Date Collected: 06/21/21 11:05

Matrix: Solid

Date Received: 06/21/21 16:14

Percent Solids: 71.0

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

| Analyte                       | Result      | Qualifier      | RL  | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|-------------|----------------|-----|-----|-------|---|----------------|----------------|---------|
| Di-n-octyl phthalate          | ND          | F1 F2          | 240 | 28  | ug/Kg | ☆ | 06/28/21 15:04 | 06/30/21 19:25 | 1       |
| <b>Fluoranthene</b>           | <b>1800</b> | <b>F1 F2</b>   | 240 | 25  | ug/Kg | ☆ | 06/28/21 15:04 | 06/30/21 19:25 | 1       |
| <b>Fluorene</b>               | <b>97</b>   | <b>J F1 F2</b> | 240 | 28  | ug/Kg | ☆ | 06/28/21 15:04 | 06/30/21 19:25 | 1       |
| Hexachlorobenzene             | ND          | F1 F2          | 240 | 32  | ug/Kg | ☆ | 06/28/21 15:04 | 06/30/21 19:25 | 1       |
| Hexachlorobutadiene           | ND          |                | 240 | 35  | ug/Kg | ☆ | 06/28/21 15:04 | 06/30/21 19:25 | 1       |
| Hexachlorocyclopentadiene     | ND          |                | 240 | 32  | ug/Kg | ☆ | 06/28/21 15:04 | 06/30/21 19:25 | 1       |
| Hexachloroethane              | ND          |                | 240 | 31  | ug/Kg | ☆ | 06/28/21 15:04 | 06/30/21 19:25 | 1       |
| <b>Indeno(1,2,3-cd)pyrene</b> | <b>760</b>  |                | 240 | 30  | ug/Kg | ☆ | 06/28/21 15:04 | 06/30/21 19:25 | 1       |
| Isophorone                    | ND          | F1 F2          | 240 | 51  | ug/Kg | ☆ | 06/28/21 15:04 | 06/30/21 19:25 | 1       |
| Naphthalene                   | ND          | F2             | 240 | 31  | ug/Kg | ☆ | 06/28/21 15:04 | 06/30/21 19:25 | 1       |
| Nitrobenzene                  | ND          | F1 F2          | 240 | 27  | ug/Kg | ☆ | 06/28/21 15:04 | 06/30/21 19:25 | 1       |
| N-Nitrosodi-n-propylamine     | ND          |                | 240 | 41  | ug/Kg | ☆ | 06/28/21 15:04 | 06/30/21 19:25 | 1       |
| N-Nitrosodiphenylamine        | ND          | F2             | 240 | 190 | ug/Kg | ☆ | 06/28/21 15:04 | 06/30/21 19:25 | 1       |
| Pentachlorophenol             | ND          |                | 460 | 240 | ug/Kg | ☆ | 06/28/21 15:04 | 06/30/21 19:25 | 1       |
| <b>Phenanthrene</b>           | <b>1000</b> | <b>F1 F2</b>   | 240 | 35  | ug/Kg | ☆ | 06/28/21 15:04 | 06/30/21 19:25 | 1       |
| Phenol                        | ND          | F1             | 240 | 37  | ug/Kg | ☆ | 06/28/21 15:04 | 06/30/21 19:25 | 1       |
| <b>Pyrene</b>                 | <b>1500</b> | <b>F1 F2</b>   | 240 | 28  | ug/Kg | ☆ | 06/28/21 15:04 | 06/30/21 19:25 | 1       |

| Surrogate            | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 2,4,6-Tribromophenol | 71        |           | 54 - 120 | 06/28/21 15:04 | 06/30/21 19:25 | 1       |
| 2-Fluorobiphenyl     | 70        |           | 60 - 120 | 06/28/21 15:04 | 06/30/21 19:25 | 1       |
| 2-Fluorophenol       | 66        |           | 52 - 120 | 06/28/21 15:04 | 06/30/21 19:25 | 1       |
| Nitrobenzene-d5      | 68        |           | 53 - 120 | 06/28/21 15:04 | 06/30/21 19:25 | 1       |
| p-Terphenyl-d14      | 68        | S1-       | 79 - 130 | 06/28/21 15:04 | 06/30/21 19:25 | 1       |
| Phenol-d5            | 66        |           | 54 - 120 | 06/28/21 15:04 | 06/30/21 19:25 | 1       |

## Method: 8081B - Organochlorine Pesticides (GC)

| Analyte                    | Result    | Qualifier      | RL  | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------------------------|-----------|----------------|-----|-----|-------|---|----------------|----------------|---------|
| 4,4'-DDD                   | ND        | F1             | 46  | 9.0 | ug/Kg | ☆ | 06/28/21 07:45 | 06/29/21 15:08 | 20      |
| <b>4,4'-DDE</b>            | <b>18</b> | <b>J F1</b>    | 46  | 9.7 | ug/Kg | ☆ | 06/28/21 07:45 | 06/29/21 15:08 | 20      |
| <b>4,4'-DDT</b>            | <b>46</b> | <b>F1</b>      | 46  | 11  | ug/Kg | ☆ | 06/28/21 07:45 | 06/29/21 15:08 | 20      |
| Aldrin                     | ND        | F1 F2          | 46  | 11  | ug/Kg | ☆ | 06/28/21 07:45 | 06/29/21 15:08 | 20      |
| alpha-BHC                  | ND        | F1             | 46  | 8.3 | ug/Kg | ☆ | 06/28/21 07:45 | 06/29/21 15:08 | 20      |
| beta-BHC                   | ND        | F1 F2          | 46  | 8.3 | ug/Kg | ☆ | 06/28/21 07:45 | 06/29/21 15:08 | 20      |
| cis-Chlordane              | ND        | F1             | 46  | 23  | ug/Kg | ☆ | 06/28/21 07:45 | 06/29/21 15:08 | 20      |
| delta-BHC                  | ND        | F1             | 46  | 8.6 | ug/Kg | ☆ | 06/28/21 07:45 | 06/29/21 15:08 | 20      |
| <b>Dieldrin</b>            | <b>20</b> | <b>J F1 F2</b> | 46  | 11  | ug/Kg | ☆ | 06/28/21 07:45 | 06/29/21 15:08 | 20      |
| Endosulfan I               | ND        | F1             | 46  | 8.9 | ug/Kg | ☆ | 06/28/21 07:45 | 06/29/21 15:08 | 20      |
| Endosulfan II              | ND        | F1             | 46  | 8.3 | ug/Kg | ☆ | 06/28/21 07:45 | 06/29/21 15:08 | 20      |
| Endosulfan sulfate         | ND        | F1             | 46  | 8.6 | ug/Kg | ☆ | 06/28/21 07:45 | 06/29/21 15:08 | 20      |
| Endrin                     | ND        | F1             | 46  | 9.1 | ug/Kg | ☆ | 06/28/21 07:45 | 06/29/21 15:08 | 20      |
| <b>Endrin aldehyde</b>     | <b>26</b> | <b>J F1 B</b>  | 46  | 12  | ug/Kg | ☆ | 06/28/21 07:45 | 06/29/21 15:08 | 20      |
| Endrin ketone              | ND        | F1             | 46  | 11  | ug/Kg | ☆ | 06/28/21 07:45 | 06/29/21 15:08 | 20      |
| <b>gamma-BHC (Lindane)</b> | <b>12</b> | <b>J B F2</b>  | 46  | 8.5 | ug/Kg | ☆ | 06/28/21 07:45 | 06/29/21 15:08 | 20      |
| Heptachlor                 | ND        | F1 F2          | 46  | 10  | ug/Kg | ☆ | 06/28/21 07:45 | 06/29/21 15:08 | 20      |
| Heptachlor epoxide         | ND        | F1             | 46  | 12  | ug/Kg | ☆ | 06/28/21 07:45 | 06/29/21 15:08 | 20      |
| Methoxychlor               | ND        | F1             | 46  | 9.4 | ug/Kg | ☆ | 06/28/21 07:45 | 06/29/21 15:08 | 20      |
| Mirex                      | ND        |                | 46  | 11  | ug/Kg | ☆ | 06/28/21 07:45 | 06/29/21 15:08 | 20      |
| Toxaphene                  | ND        |                | 460 | 270 | ug/Kg | ☆ | 06/28/21 07:45 | 06/29/21 15:08 | 20      |
| trans-Chlordane            | ND        | F1             | 46  | 15  | ug/Kg | ☆ | 06/28/21 07:45 | 06/29/21 15:08 | 20      |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

Client Sample ID: SS-12-0002

Lab Sample ID: 480-186319-15

Date Collected: 06/21/21 11:05

Matrix: Solid

Date Received: 06/21/21 16:14

Percent Solids: 71.0

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| DCB Decachlorobiphenyl | 107       |           | 45 - 120 | 06/28/21 07:45 | 06/29/21 15:08 | 20      |
| DCB Decachlorobiphenyl | 400       | S1+       | 45 - 120 | 06/28/21 07:45 | 06/29/21 15:08 | 20      |
| Tetrachloro-m-xylene   | 0         | S1-       | 30 - 124 | 06/28/21 07:45 | 06/29/21 15:08 | 20      |
| Tetrachloro-m-xylene   | 0         | S1-       | 30 - 124 | 06/28/21 07:45 | 06/29/21 15:08 | 20      |

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

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| PCB-1016 | ND     |           | 0.28 | 0.055 | mg/Kg | ☆ | 06/29/21 08:04 | 06/30/21 02:37 | 1       |
| PCB-1221 | ND     |           | 0.28 | 0.055 | mg/Kg | ☆ | 06/29/21 08:04 | 06/30/21 02:37 | 1       |
| PCB-1232 | ND     |           | 0.28 | 0.055 | mg/Kg | ☆ | 06/29/21 08:04 | 06/30/21 02:37 | 1       |
| PCB-1242 | ND     |           | 0.28 | 0.055 | mg/Kg | ☆ | 06/29/21 08:04 | 06/30/21 02:37 | 1       |
| PCB-1248 | ND     |           | 0.28 | 0.055 | mg/Kg | ☆ | 06/29/21 08:04 | 06/30/21 02:37 | 1       |
| PCB-1254 | ND     |           | 0.28 | 0.13  | mg/Kg | ☆ | 06/29/21 08:04 | 06/30/21 02:37 | 1       |
| PCB-1260 | 0.25   | J         | 0.28 | 0.13  | mg/Kg | ☆ | 06/29/21 08:04 | 06/30/21 02:37 | 1       |
| PCB-1262 | ND     |           | 0.28 | 0.13  | mg/Kg | ☆ | 06/29/21 08:04 | 06/30/21 02:37 | 1       |
| PCB-1268 | ND     |           | 0.28 | 0.13  | mg/Kg | ☆ | 06/29/21 08:04 | 06/30/21 02:37 | 1       |

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| Tetrachloro-m-xylene   | 102       |           | 60 - 154 | 06/29/21 08:04 | 06/30/21 02:37 | 1       |
| Tetrachloro-m-xylene   | 111       |           | 60 - 154 | 06/29/21 08:04 | 06/30/21 02:37 | 1       |
| DCB Decachlorobiphenyl | 102       |           | 65 - 174 | 06/29/21 08:04 | 06/30/21 02:37 | 1       |
| DCB Decachlorobiphenyl | 78        |           | 65 - 174 | 06/29/21 08:04 | 06/30/21 02:37 | 1       |

## Method: 6010C - Metals (ICP)

| Analyte   | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| Aluminum  | 8880   | F2 F1     | 14.9 | 6.5   | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 01:18 | 1       |
| Antimony  | 1.3    | J         | 22.3 | 0.60  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 01:18 | 1       |
| Arsenic   | 4.7    |           | 3.0  | 0.60  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 01:18 | 1       |
| Barium    | 181    | F2 ^6+ F1 | 0.74 | 0.16  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 01:18 | 1       |
| Beryllium | 0.40   |           | 0.30 | 0.042 | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 01:18 | 1       |
| Cadmium   | 4.3    | F2 F1     | 0.30 | 0.045 | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 01:18 | 1       |
| Calcium   | 18900  | B         | 74.4 | 4.9   | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 01:18 | 1       |
| Chromium  | 32.5   | F2 F1     | 0.74 | 0.30  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 01:18 | 1       |
| Cobalt    | 8.7    | F2        | 0.74 | 0.074 | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 01:18 | 1       |
| Copper    | 87.6   | F2 F1     | 1.5  | 0.31  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 01:18 | 1       |
| Iron      | 22000  | F2        | 14.9 | 5.2   | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 01:18 | 1       |
| Lead      | 111    | F2 F1     | 1.5  | 0.36  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 01:18 | 1       |
| Magnesium | 8650   | B         | 29.8 | 1.4   | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 01:18 | 1       |
| Manganese | 375    | F2 B      | 0.30 | 0.048 | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 01:18 | 1       |
| Nickel    | 37.2   | F2 F1     | 7.4  | 0.34  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 01:18 | 1       |
| Potassium | 1900   | F1 B      | 44.7 | 29.8  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 01:18 | 1       |
| Selenium  | ND     |           | 6.0  | 0.60  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 01:18 | 1       |
| Silver    | 4.9    | F2 F1     | 0.89 | 0.30  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 01:18 | 1       |
| Sodium    | 146    | J B       | 208  | 19.4  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 01:18 | 1       |
| Thallium  | ND     |           | 8.9  | 0.45  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 01:18 | 1       |
| Vanadium  | 23.1   | F1        | 0.74 | 0.16  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 01:18 | 1       |
| Zinc      | 416    | F2        | 3.0  | 0.95  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 01:18 | 1       |

## Method: 7471B - Mercury (CVAA)

| Analyte | Result | Qualifier | RL    | MDL    | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------|--------|-----------|-------|--------|-------|---|----------------|----------------|---------|
| Mercury | 1.1    |           | 0.034 | 0.0079 | mg/Kg | ☆ | 06/23/21 16:00 | 06/23/21 18:59 | 1       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

Client Sample ID: SS-12-0212

Lab Sample ID: 480-186319-16

Date Collected: 06/21/21 11:10

Matrix: Solid

Date Received: 06/21/21 16:14

Percent Solids: 71.7

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

| Analyte                       | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|--------|-----------|------|------|-------|---|----------------|----------------|---------|
| 2,4,5-Trichlorophenol         | ND     |           | 230  | 63   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 01:23 | 1       |
| 2,4,6-Trichlorophenol         | ND     |           | 230  | 47   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 01:23 | 1       |
| 2,4-Dichlorophenol            | ND     |           | 230  | 25   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 01:23 | 1       |
| 2,4-Dimethylphenol            | ND     |           | 230  | 56   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 01:23 | 1       |
| 2,4-Dinitrophenol             | ND     |           | 2300 | 1100 | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 01:23 | 1       |
| 2,4-Dinitrotoluene            | ND     |           | 230  | 48   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 01:23 | 1       |
| 2,6-Dinitrotoluene            | ND     |           | 230  | 27   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 01:23 | 1       |
| 2-Chloronaphthalene           | ND     |           | 230  | 38   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 01:23 | 1       |
| 2-Chlorophenol                | ND     |           | 450  | 43   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 01:23 | 1       |
| 2-Methylnaphthalene           | ND     |           | 230  | 47   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 01:23 | 1       |
| 2-Methylphenol                | ND     |           | 230  | 27   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 01:23 | 1       |
| 2-Nitroaniline                | ND     |           | 450  | 34   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 01:23 | 1       |
| 2-Nitrophenol                 | ND     |           | 230  | 66   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 01:23 | 1       |
| 3,3'-Dichlorobenzidine        | ND     |           | 450  | 270  | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 01:23 | 1       |
| 3-Nitroaniline                | ND     |           | 450  | 65   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 01:23 | 1       |
| 4,6-Dinitro-2-methylphenol    | ND     |           | 450  | 230  | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 01:23 | 1       |
| 4-Bromophenyl phenyl ether    | ND     |           | 230  | 33   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 01:23 | 1       |
| 4-Chloro-3-methylphenol       | ND     |           | 230  | 58   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 01:23 | 1       |
| 4-Chloroaniline               | ND     |           | 230  | 58   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 01:23 | 1       |
| 4-Chlorophenyl phenyl ether   | ND     |           | 230  | 29   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 01:23 | 1       |
| 4-Methylphenol                | ND     |           | 450  | 27   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 01:23 | 1       |
| 4-Nitroaniline                | ND     |           | 450  | 120  | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 01:23 | 1       |
| 4-Nitrophenol                 | ND     |           | 450  | 160  | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 01:23 | 1       |
| Acenaphthene                  | 120    | J         | 230  | 34   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 01:23 | 1       |
| Acenaphthylene                | ND     |           | 230  | 30   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 01:23 | 1       |
| Acetophenone                  | ND     |           | 230  | 32   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 01:23 | 1       |
| Anthracene                    | 200    | J         | 230  | 58   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 01:23 | 1       |
| Atrazine                      | ND     |           | 230  | 81   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 01:23 | 1       |
| Benzaldehyde                  | ND     |           | 230  | 190  | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 01:23 | 1       |
| Benzo(a)anthracene            | 950    |           | 230  | 23   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 01:23 | 1       |
| Benzo(a)pyrene                | 960    |           | 230  | 34   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 01:23 | 1       |
| Benzo(b)fluoranthene          | 1300   |           | 230  | 37   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 01:23 | 1       |
| Benzo(g,h,i)perylene          | 570    |           | 230  | 25   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 01:23 | 1       |
| Benzo(k)fluoranthene          | 480    |           | 230  | 30   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 01:23 | 1       |
| Benzoic acid                  | ND     |           | 6600 | 2100 | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 01:23 | 1       |
| Biphenyl                      | ND     |           | 230  | 34   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 01:23 | 1       |
| bis (2-chloroisopropyl) ether | ND     |           | 230  | 47   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 01:23 | 1       |
| Bis(2-chloroethoxy)methane    | ND     |           | 230  | 49   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 01:23 | 1       |
| Bis(2-chloroethyl)ether       | ND     |           | 230  | 30   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 01:23 | 1       |
| Bis(2-ethylhexyl) phthalate   | ND     |           | 230  | 80   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 01:23 | 1       |
| Butyl benzyl phthalate        | ND     |           | 230  | 38   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 01:23 | 1       |
| Caprolactam                   | ND     |           | 230  | 70   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 01:23 | 1       |
| Carbazole                     | 140    | J         | 230  | 27   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 01:23 | 1       |
| Chrysene                      | 1100   |           | 230  | 52   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 01:23 | 1       |
| Dibenz(a,h)anthracene         | 210    | J         | 230  | 41   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 01:23 | 1       |
| Dibenzofuran                  | 41     | J         | 230  | 27   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 01:23 | 1       |
| Diethyl phthalate             | ND     |           | 230  | 30   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 01:23 | 1       |
| Dimethyl phthalate            | ND     |           | 230  | 27   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 01:23 | 1       |
| Di-n-butyl phthalate          | 110    | J B       | 230  | 40   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 01:23 | 1       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

Client Sample ID: SS-12-0212

Lab Sample ID: 480-186319-16

Date Collected: 06/21/21 11:10

Matrix: Solid

Date Received: 06/21/21 16:14

Percent Solids: 71.7

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

| Analyte                   | Result | Qualifier | RL  | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------------|--------|-----------|-----|-----|-------|---|----------------|----------------|---------|
| Di-n-octyl phthalate      | ND     |           | 230 | 27  | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 01:23 | 1       |
| Fluoranthene              | 1500   |           | 230 | 25  | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 01:23 | 1       |
| Fluorene                  | 71     | J         | 230 | 27  | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 01:23 | 1       |
| Hexachlorobenzene         | ND     |           | 230 | 32  | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 01:23 | 1       |
| Hexachlorobutadiene       | ND     |           | 230 | 34  | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 01:23 | 1       |
| Hexachlorocyclopentadiene | ND     |           | 230 | 32  | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 01:23 | 1       |
| Hexachloroethane          | ND     |           | 230 | 30  | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 01:23 | 1       |
| Indeno(1,2,3-cd)pyrene    | 570    |           | 230 | 29  | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 01:23 | 1       |
| Isophorone                | ND     |           | 230 | 49  | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 01:23 | 1       |
| Naphthalene               | 45     | J         | 230 | 30  | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 01:23 | 1       |
| Nitrobenzene              | ND     |           | 230 | 26  | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 01:23 | 1       |
| N-Nitrosodi-n-propylamine | ND     |           | 230 | 40  | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 01:23 | 1       |
| N-Nitrosodiphenylamine    | ND     |           | 230 | 190 | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 01:23 | 1       |
| Pentachlorophenol         | ND     |           | 450 | 230 | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 01:23 | 1       |
| Phenanthrene              | 770    |           | 230 | 34  | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 01:23 | 1       |
| Phenol                    | ND     |           | 230 | 36  | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 01:23 | 1       |
| Pyrene                    | 1200   |           | 230 | 27  | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 01:23 | 1       |

| Surrogate            | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 2,4,6-Tribromophenol | 61        |           | 54 - 120 | 06/28/21 15:04 | 07/01/21 01:23 | 1       |
| 2-Fluorobiphenyl     | 61        |           | 60 - 120 | 06/28/21 15:04 | 07/01/21 01:23 | 1       |
| 2-Fluorophenol       | 55        |           | 52 - 120 | 06/28/21 15:04 | 07/01/21 01:23 | 1       |
| Nitrobenzene-d5      | 61        |           | 53 - 120 | 06/28/21 15:04 | 07/01/21 01:23 | 1       |
| p-Terphenyl-d14      | 59        | S1-       | 79 - 130 | 06/28/21 15:04 | 07/01/21 01:23 | 1       |
| Phenol-d5            | 55        |           | 54 - 120 | 06/28/21 15:04 | 07/01/21 01:23 | 1       |

## Method: 8081B - Organochlorine Pesticides (GC)

| Analyte             | Result | Qualifier | RL  | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|--------|-----------|-----|-----|-------|---|----------------|----------------|---------|
| 4,4'-DDD            | 6.4    | J         | 12  | 2.2 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 20:01 | 5       |
| 4,4'-DDE            | 6.0    | J         | 12  | 2.4 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 20:01 | 5       |
| 4,4'-DDT            | 20     |           | 12  | 2.7 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 20:01 | 5       |
| Aldrin              | ND     |           | 12  | 2.8 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 20:01 | 5       |
| alpha-BHC           | ND     |           | 12  | 2.1 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 20:01 | 5       |
| beta-BHC            | ND     |           | 12  | 2.1 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 20:01 | 5       |
| cis-Chlordane       | ND     |           | 12  | 5.7 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 20:01 | 5       |
| delta-BHC           | ND     |           | 12  | 2.1 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 20:01 | 5       |
| Dieldrin            | ND     |           | 12  | 2.8 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 20:01 | 5       |
| Endosulfan I        | 2.5    | J         | 12  | 2.2 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 20:01 | 5       |
| Endosulfan II       | ND     |           | 12  | 2.1 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 20:01 | 5       |
| Endosulfan sulfate  | ND     |           | 12  | 2.1 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 20:01 | 5       |
| Endrin              | 3.3    | J         | 12  | 2.3 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 20:01 | 5       |
| Endrin aldehyde     | ND     |           | 12  | 2.9 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 20:01 | 5       |
| Endrin ketone       | ND     |           | 12  | 2.8 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 20:01 | 5       |
| gamma-BHC (Lindane) | 3.0    | J B       | 12  | 2.1 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 20:01 | 5       |
| Heptachlor          | ND     |           | 12  | 2.5 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 20:01 | 5       |
| Heptachlor epoxide  | ND     |           | 12  | 3.0 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 20:01 | 5       |
| Methoxychlor        | ND     |           | 12  | 2.3 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 20:01 | 5       |
| Mirex               | ND     |           | 12  | 2.8 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 20:01 | 5       |
| Toxaphene           | ND     |           | 120 | 67  | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 20:01 | 5       |
| trans-Chlordane     | 10     | J         | 12  | 3.7 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 20:01 | 5       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

Client Sample ID: SS-12-0212

Lab Sample ID: 480-186319-16

Date Collected: 06/21/21 11:10

Matrix: Solid

Date Received: 06/21/21 16:14

Percent Solids: 71.7

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| DCB Decachlorobiphenyl | 94        |           | 45 - 120 | 06/28/21 07:45 | 06/29/21 20:01 | 5       |
| DCB Decachlorobiphenyl | 252       | S1+       | 45 - 120 | 06/28/21 07:45 | 06/29/21 20:01 | 5       |
| Tetrachloro-m-xylene   | 82        |           | 30 - 124 | 06/28/21 07:45 | 06/29/21 20:01 | 5       |
| Tetrachloro-m-xylene   | 68        |           | 30 - 124 | 06/28/21 07:45 | 06/29/21 20:01 | 5       |

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

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| PCB-1016 | ND     |           | 0.32 | 0.062 | mg/Kg | ☆ | 06/29/21 08:04 | 06/30/21 04:20 | 1       |
| PCB-1221 | ND     |           | 0.32 | 0.062 | mg/Kg | ☆ | 06/29/21 08:04 | 06/30/21 04:20 | 1       |
| PCB-1232 | ND     |           | 0.32 | 0.062 | mg/Kg | ☆ | 06/29/21 08:04 | 06/30/21 04:20 | 1       |
| PCB-1242 | ND     |           | 0.32 | 0.062 | mg/Kg | ☆ | 06/29/21 08:04 | 06/30/21 04:20 | 1       |
| PCB-1248 | ND     |           | 0.32 | 0.062 | mg/Kg | ☆ | 06/29/21 08:04 | 06/30/21 04:20 | 1       |
| PCB-1254 | ND     |           | 0.32 | 0.15  | mg/Kg | ☆ | 06/29/21 08:04 | 06/30/21 04:20 | 1       |
| PCB-1260 | 0.32   |           | 0.32 | 0.15  | mg/Kg | ☆ | 06/29/21 08:04 | 06/30/21 04:20 | 1       |
| PCB-1262 | ND     |           | 0.32 | 0.15  | mg/Kg | ☆ | 06/29/21 08:04 | 06/30/21 04:20 | 1       |
| PCB-1268 | ND     |           | 0.32 | 0.15  | mg/Kg | ☆ | 06/29/21 08:04 | 06/30/21 04:20 | 1       |

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| Tetrachloro-m-xylene   | 111       |           | 60 - 154 | 06/29/21 08:04 | 06/30/21 04:20 | 1       |
| Tetrachloro-m-xylene   | 115       |           | 60 - 154 | 06/29/21 08:04 | 06/30/21 04:20 | 1       |
| DCB Decachlorobiphenyl | 103       |           | 65 - 174 | 06/29/21 08:04 | 06/30/21 04:20 | 1       |
| DCB Decachlorobiphenyl | 80        |           | 65 - 174 | 06/29/21 08:04 | 06/30/21 04:20 | 1       |

## Method: 6010C - Metals (ICP)

| Analyte   | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| Aluminum  | 8850   |           | 14.4 | 6.3   | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 01:49 | 1       |
| Antimony  | 1.2    | J         | 21.5 | 0.57  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 01:49 | 1       |
| Arsenic   | 4.7    |           | 2.9  | 0.57  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 01:49 | 1       |
| Barium    | 171    | ^6+       | 0.72 | 0.16  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 01:49 | 1       |
| Beryllium | 0.41   |           | 0.29 | 0.040 | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 01:49 | 1       |
| Cadmium   | 4.7    |           | 0.29 | 0.043 | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 01:49 | 1       |
| Calcium   | 18200  | B         | 71.8 | 4.7   | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 01:49 | 1       |
| Chromium  | 34.0   |           | 0.72 | 0.29  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 01:49 | 1       |
| Cobalt    | 8.6    |           | 0.72 | 0.072 | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 01:49 | 1       |
| Copper    | 92.0   |           | 1.4  | 0.30  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 01:49 | 1       |
| Iron      | 23000  |           | 14.4 | 5.0   | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 01:49 | 1       |
| Lead      | 123    |           | 1.4  | 0.34  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 01:49 | 1       |
| Magnesium | 8960   | B         | 28.7 | 1.3   | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 01:49 | 1       |
| Manganese | 384    | B         | 0.29 | 0.046 | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 01:49 | 1       |
| Nickel    | 36.2   |           | 7.2  | 0.33  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 01:49 | 1       |
| Potassium | 1870   | B         | 43.1 | 28.7  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 01:49 | 1       |
| Selenium  | ND     |           | 5.7  | 0.57  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 01:49 | 1       |
| Silver    | 5.4    |           | 0.86 | 0.29  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 01:49 | 1       |
| Sodium    | 134    | J B       | 201  | 18.7  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 01:49 | 1       |
| Thallium  | ND     |           | 8.6  | 0.43  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 01:49 | 1       |
| Vanadium  | 23.5   |           | 0.72 | 0.16  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 01:49 | 1       |
| Zinc      | 417    |           | 2.9  | 0.92  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 01:49 | 1       |

## Method: 7471B - Mercury (CVAA)

| Analyte | Result | Qualifier | RL    | MDL    | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------|--------|-----------|-------|--------|-------|---|----------------|----------------|---------|
| Mercury | 1.2    |           | 0.026 | 0.0061 | mg/Kg | ☆ | 06/24/21 17:36 | 06/24/21 19:05 | 1       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

Client Sample ID: SS-14-0002

Lab Sample ID: 480-186319-17

Date Collected: 06/21/21 08:40

Matrix: Solid

Date Received: 06/21/21 16:14

Percent Solids: 58.8

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

| Analyte                       | Result  | Qualifier | RL   | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|---------|-----------|------|------|-------|---|----------------|----------------|---------|
| 2,4,5-Trichlorophenol         | ND      |           | 280  | 76   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 01:47 | 1       |
| 2,4,6-Trichlorophenol         | ND      |           | 280  | 56   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 01:47 | 1       |
| 2,4-Dichlorophenol            | ND      |           | 280  | 30   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 01:47 | 1       |
| 2,4-Dimethylphenol            | ND      |           | 280  | 68   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 01:47 | 1       |
| 2,4-Dinitrophenol             | ND      |           | 2700 | 1300 | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 01:47 | 1       |
| 2,4-Dinitrotoluene            | ND      |           | 280  | 58   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 01:47 | 1       |
| 2,6-Dinitrotoluene            | ND      |           | 280  | 33   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 01:47 | 1       |
| 2-Chloronaphthalene           | ND      |           | 280  | 46   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 01:47 | 1       |
| 2-Chlorophenol                | ND      |           | 550  | 51   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 01:47 | 1       |
| 2-Methylnaphthalene           | ND      |           | 280  | 56   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 01:47 | 1       |
| 2-Methylphenol                | ND      |           | 280  | 33   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 01:47 | 1       |
| 2-Nitroaniline                | ND      |           | 550  | 41   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 01:47 | 1       |
| 2-Nitrophenol                 | ND      |           | 280  | 79   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 01:47 | 1       |
| 3,3'-Dichlorobenzidine        | ND      |           | 550  | 330  | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 01:47 | 1       |
| 3-Nitroaniline                | ND      |           | 550  | 78   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 01:47 | 1       |
| 4,6-Dinitro-2-methylphenol    | ND      |           | 550  | 280  | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 01:47 | 1       |
| 4-Bromophenyl phenyl ether    | ND      |           | 280  | 40   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 01:47 | 1       |
| 4-Chloro-3-methylphenol       | ND      |           | 280  | 69   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 01:47 | 1       |
| 4-Chloroaniline               | ND      |           | 280  | 69   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 01:47 | 1       |
| 4-Chlorophenyl phenyl ether   | ND      |           | 280  | 35   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 01:47 | 1       |
| 4-Methylphenol                | ND      |           | 550  | 33   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 01:47 | 1       |
| 4-Nitroaniline                | ND      |           | 550  | 150  | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 01:47 | 1       |
| 4-Nitrophenol                 | ND      |           | 550  | 200  | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 01:47 | 1       |
| Acenaphthene                  | ND      |           | 280  | 41   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 01:47 | 1       |
| Acenaphthylene                | ND      |           | 280  | 36   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 01:47 | 1       |
| Acetophenone                  | ND      |           | 280  | 38   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 01:47 | 1       |
| Anthracene                    | ND      |           | 280  | 69   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 01:47 | 1       |
| Atrazine                      | ND      |           | 280  | 98   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 01:47 | 1       |
| Benzaldehyde                  | ND      |           | 280  | 220  | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 01:47 | 1       |
| Benzo(a)anthracene            | ND      |           | 280  | 28   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 01:47 | 1       |
| Benzo(a)pyrene                | 45 J    |           | 280  | 41   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 01:47 | 1       |
| Benzo(b)fluoranthene          | 60 J    |           | 280  | 45   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 01:47 | 1       |
| Benzo(g,h,i)perylene          | ND      |           | 280  | 30   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 01:47 | 1       |
| Benzo(k)fluoranthene          | ND      |           | 280  | 36   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 01:47 | 1       |
| Benzoic acid                  | ND      |           | 7900 | 2500 | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 01:47 | 1       |
| Biphenyl                      | ND      |           | 280  | 41   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 01:47 | 1       |
| bis (2-chloroisopropyl) ether | ND      |           | 280  | 56   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 01:47 | 1       |
| Bis(2-chloroethoxy)methane    | ND      |           | 280  | 60   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 01:47 | 1       |
| Bis(2-chloroethyl)ether       | ND      |           | 280  | 36   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 01:47 | 1       |
| Bis(2-ethylhexyl) phthalate   | ND      |           | 280  | 96   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 01:47 | 1       |
| Butyl benzyl phthalate        | ND      |           | 280  | 46   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 01:47 | 1       |
| Caprolactam                   | ND      |           | 280  | 84   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 01:47 | 1       |
| Carbazole                     | ND      |           | 280  | 33   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 01:47 | 1       |
| Chrysene                      | ND      |           | 280  | 63   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 01:47 | 1       |
| Dibenz(a,h)anthracene         | ND      |           | 280  | 50   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 01:47 | 1       |
| Dibenzofuran                  | ND      |           | 280  | 33   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 01:47 | 1       |
| Diethyl phthalate             | ND      |           | 280  | 36   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 01:47 | 1       |
| Dimethyl phthalate            | ND      |           | 280  | 33   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 01:47 | 1       |
| Di-n-butyl phthalate          | 150 J B |           | 280  | 48   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 01:47 | 1       |

Eurofins TestAmerica, Buffalo

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

Client Sample ID: SS-14-0002

Lab Sample ID: 480-186319-17

Date Collected: 06/21/21 08:40

Matrix: Solid

Date Received: 06/21/21 16:14

Percent Solids: 58.8

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

| Analyte                   | Result    | Qualifier | RL  | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------------|-----------|-----------|-----|-----|-------|---|----------------|----------------|---------|
| Di-n-octyl phthalate      | ND        |           | 280 | 33  | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 01:47 | 1       |
| <b>Fluoranthene</b>       | <b>73</b> | <b>J</b>  | 280 | 30  | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 01:47 | 1       |
| Fluorene                  | ND        |           | 280 | 33  | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 01:47 | 1       |
| Hexachlorobenzene         | ND        |           | 280 | 38  | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 01:47 | 1       |
| Hexachlorobutadiene       | ND        |           | 280 | 41  | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 01:47 | 1       |
| Hexachlorocyclopentadiene | ND        |           | 280 | 38  | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 01:47 | 1       |
| Hexachloroethane          | ND        |           | 280 | 36  | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 01:47 | 1       |
| Indeno(1,2,3-cd)pyrene    | ND        |           | 280 | 35  | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 01:47 | 1       |
| Isophorone                | ND        |           | 280 | 60  | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 01:47 | 1       |
| Naphthalene               | ND        |           | 280 | 36  | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 01:47 | 1       |
| Nitrobenzene              | ND        |           | 280 | 31  | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 01:47 | 1       |
| N-Nitrosodi-n-propylamine | ND        |           | 280 | 48  | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 01:47 | 1       |
| N-Nitrosodiphenylamine    | ND        |           | 280 | 230 | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 01:47 | 1       |
| Pentachlorophenol         | ND        |           | 550 | 280 | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 01:47 | 1       |
| Phenanthrene              | ND        |           | 280 | 41  | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 01:47 | 1       |
| Phenol                    | ND        |           | 280 | 43  | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 01:47 | 1       |
| <b>Pyrene</b>             | <b>53</b> | <b>J</b>  | 280 | 33  | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 01:47 | 1       |

| Surrogate            | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 2,4,6-Tribromophenol | 93        |           | 54 - 120 | 06/28/21 15:04 | 07/01/21 01:47 | 1       |
| 2-Fluorobiphenyl     | 85        |           | 60 - 120 | 06/28/21 15:04 | 07/01/21 01:47 | 1       |
| 2-Fluorophenol       | 70        |           | 52 - 120 | 06/28/21 15:04 | 07/01/21 01:47 | 1       |
| Nitrobenzene-d5      | 79        |           | 53 - 120 | 06/28/21 15:04 | 07/01/21 01:47 | 1       |
| p-Terphenyl-d14      | 98        |           | 79 - 130 | 06/28/21 15:04 | 07/01/21 01:47 | 1       |
| Phenol-d5            | 79        |           | 54 - 120 | 06/28/21 15:04 | 07/01/21 01:47 | 1       |

## Method: 8081B - Organochlorine Pesticides (GC)

| Analyte                    | Result     | Qualifier  | RL  | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------------------------|------------|------------|-----|-----|-------|---|----------------|----------------|---------|
| 4,4'-DDD                   | ND         |            | 14  | 2.7 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 20:40 | 5       |
| 4,4'-DDE                   | ND         |            | 14  | 2.9 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 20:40 | 5       |
| <b>4,4'-DDT</b>            | <b>10</b>  | <b>J</b>   | 14  | 3.2 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 20:40 | 5       |
| Aldrin                     | ND         |            | 14  | 3.4 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 20:40 | 5       |
| alpha-BHC                  | ND         |            | 14  | 2.5 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 20:40 | 5       |
| <b>beta-BHC</b>            | <b>4.8</b> | <b>J</b>   | 14  | 2.5 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 20:40 | 5       |
| cis-Chlordane              | ND         |            | 14  | 6.9 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 20:40 | 5       |
| <b>delta-BHC</b>           | <b>3.8</b> | <b>J B</b> | 14  | 2.6 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 20:40 | 5       |
| Dieldrin                   | ND         |            | 14  | 3.3 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 20:40 | 5       |
| Endosulfan I               | ND         |            | 14  | 2.6 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 20:40 | 5       |
| Endosulfan II              | ND         |            | 14  | 2.5 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 20:40 | 5       |
| Endosulfan sulfate         | ND         |            | 14  | 2.6 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 20:40 | 5       |
| Endrin                     | ND         |            | 14  | 2.7 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 20:40 | 5       |
| <b>Endrin aldehyde</b>     | <b>4.7</b> | <b>J B</b> | 14  | 3.5 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 20:40 | 5       |
| Endrin ketone              | ND         |            | 14  | 3.4 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 20:40 | 5       |
| <b>gamma-BHC (Lindane)</b> | <b>4.1</b> | <b>J B</b> | 14  | 2.5 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 20:40 | 5       |
| Heptachlor                 | ND         |            | 14  | 3.0 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 20:40 | 5       |
| Heptachlor epoxide         | ND         |            | 14  | 3.6 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 20:40 | 5       |
| <b>Methoxychlor</b>        | <b>8.7</b> | <b>J</b>   | 14  | 2.8 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 20:40 | 5       |
| Mirex                      | ND         |            | 14  | 3.4 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 20:40 | 5       |
| Toxaphene                  | ND         |            | 140 | 80  | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 20:40 | 5       |
| trans-Chlordane            | ND         |            | 14  | 4.4 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 20:40 | 5       |

Eurofins TestAmerica, Buffalo

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

Client Sample ID: SS-14-0002

Lab Sample ID: 480-186319-17

Date Collected: 06/21/21 08:40

Matrix: Solid

Date Received: 06/21/21 16:14

Percent Solids: 58.8

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| DCB Decachlorobiphenyl | 100       |           | 45 - 120 | 06/28/21 07:45 | 06/29/21 20:40 | 5       |
| DCB Decachlorobiphenyl | 100       |           | 45 - 120 | 06/28/21 07:45 | 06/29/21 20:40 | 5       |
| Tetrachloro-m-xylene   | 118       |           | 30 - 124 | 06/28/21 07:45 | 06/29/21 20:40 | 5       |
| Tetrachloro-m-xylene   | 86        |           | 30 - 124 | 06/28/21 07:45 | 06/29/21 20:40 | 5       |

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

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| PCB-1016 | ND     |           | 0.32 | 0.063 | mg/Kg | ☆ | 06/29/21 08:04 | 06/30/21 04:32 | 1       |
| PCB-1221 | ND     |           | 0.32 | 0.063 | mg/Kg | ☆ | 06/29/21 08:04 | 06/30/21 04:32 | 1       |
| PCB-1232 | ND     |           | 0.32 | 0.063 | mg/Kg | ☆ | 06/29/21 08:04 | 06/30/21 04:32 | 1       |
| PCB-1242 | ND     |           | 0.32 | 0.063 | mg/Kg | ☆ | 06/29/21 08:04 | 06/30/21 04:32 | 1       |
| PCB-1248 | ND     |           | 0.32 | 0.063 | mg/Kg | ☆ | 06/29/21 08:04 | 06/30/21 04:32 | 1       |
| PCB-1254 | ND     |           | 0.32 | 0.15  | mg/Kg | ☆ | 06/29/21 08:04 | 06/30/21 04:32 | 1       |
| PCB-1260 | ND     |           | 0.32 | 0.15  | mg/Kg | ☆ | 06/29/21 08:04 | 06/30/21 04:32 | 1       |
| PCB-1262 | ND     |           | 0.32 | 0.15  | mg/Kg | ☆ | 06/29/21 08:04 | 06/30/21 04:32 | 1       |
| PCB-1268 | ND     |           | 0.32 | 0.15  | mg/Kg | ☆ | 06/29/21 08:04 | 06/30/21 04:32 | 1       |

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| Tetrachloro-m-xylene   | 129       |           | 60 - 154 | 06/29/21 08:04 | 06/30/21 04:32 | 1       |
| Tetrachloro-m-xylene   | 132       |           | 60 - 154 | 06/29/21 08:04 | 06/30/21 04:32 | 1       |
| DCB Decachlorobiphenyl | 121       |           | 65 - 174 | 06/29/21 08:04 | 06/30/21 04:32 | 1       |
| DCB Decachlorobiphenyl | 96        |           | 65 - 174 | 06/29/21 08:04 | 06/30/21 04:32 | 1       |

## Method: 6010C - Metals (ICP)

| Analyte   | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| Aluminum  | 19400  |           | 17.4 | 7.7   | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 01:52 | 1       |
| Antimony  | ND     |           | 26.2 | 0.70  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 01:52 | 1       |
| Arsenic   | 6.8    |           | 3.5  | 0.70  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 01:52 | 1       |
| Barium    | 118    | ^6+       | 0.87 | 0.19  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 01:52 | 1       |
| Beryllium | 0.87   |           | 0.35 | 0.049 | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 01:52 | 1       |
| Cadmium   | 0.48   |           | 0.35 | 0.052 | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 01:52 | 1       |
| Calcium   | 51900  | B         | 87.2 | 5.8   | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 01:52 | 1       |
| Chromium  | 27.4   |           | 0.87 | 0.35  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 01:52 | 1       |
| Cobalt    | 13.6   |           | 0.87 | 0.087 | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 01:52 | 1       |
| Copper    | 24.5   |           | 1.7  | 0.37  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 01:52 | 1       |
| Iron      | 27500  |           | 17.4 | 6.1   | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 01:52 | 1       |
| Lead      | 21.1   |           | 1.7  | 0.42  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 01:52 | 1       |
| Magnesium | 18300  | B         | 34.9 | 1.6   | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 01:52 | 1       |
| Manganese | 606    | B         | 0.35 | 0.056 | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 01:52 | 1       |
| Nickel    | 31.1   |           | 8.7  | 0.40  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 01:52 | 1       |
| Potassium | 5050   | B         | 52.3 | 34.9  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 01:52 | 1       |
| Selenium  | ND     |           | 7.0  | 0.70  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 01:52 | 1       |
| Silver    | 0.61   | J         | 1.0  | 0.35  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 01:52 | 1       |
| Sodium    | 285    | B         | 244  | 22.7  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 01:52 | 1       |
| Thallium  | ND     |           | 10.5 | 0.52  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 01:52 | 1       |
| Vanadium  | 45.1   |           | 0.87 | 0.19  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 01:52 | 1       |
| Zinc      | 128    |           | 3.5  | 1.1   | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 01:52 | 1       |

## Method: 7471B - Mercury (CVAA)

| Analyte | Result | Qualifier | RL    | MDL    | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------|--------|-----------|-------|--------|-------|---|----------------|----------------|---------|
| Mercury | 0.080  |           | 0.032 | 0.0073 | mg/Kg | ☆ | 06/24/21 17:36 | 06/24/21 19:07 | 1       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

Client Sample ID: SS-14-0212

Lab Sample ID: 480-186319-18

Date Collected: 06/21/21 08:47

Matrix: Solid

Date Received: 06/21/21 16:14

Percent Solids: 83.0

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

| Analyte                       | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|--------|-----------|------|------|-------|---|----------------|----------------|---------|
| 2,4,5-Trichlorophenol         | ND     |           | 200  | 55   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 02:11 | 1       |
| 2,4,6-Trichlorophenol         | ND     |           | 200  | 41   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 02:11 | 1       |
| 2,4-Dichlorophenol            | ND     |           | 200  | 21   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 02:11 | 1       |
| 2,4-Dimethylphenol            | ND     |           | 200  | 49   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 02:11 | 1       |
| 2,4-Dinitrophenol             | ND     |           | 2000 | 940  | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 02:11 | 1       |
| 2,4-Dinitrotoluene            | ND     |           | 200  | 42   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 02:11 | 1       |
| 2,6-Dinitrotoluene            | ND     |           | 200  | 24   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 02:11 | 1       |
| 2-Chloronaphthalene           | ND     |           | 200  | 33   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 02:11 | 1       |
| 2-Chlorophenol                | ND     |           | 390  | 37   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 02:11 | 1       |
| 2-Methylnaphthalene           | ND     |           | 200  | 41   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 02:11 | 1       |
| 2-Methylphenol                | ND     |           | 200  | 24   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 02:11 | 1       |
| 2-Nitroaniline                | ND     |           | 390  | 30   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 02:11 | 1       |
| 2-Nitrophenol                 | ND     |           | 200  | 57   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 02:11 | 1       |
| 3,3'-Dichlorobenzidine        | ND     |           | 390  | 240  | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 02:11 | 1       |
| 3-Nitroaniline                | ND     |           | 390  | 56   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 02:11 | 1       |
| 4,6-Dinitro-2-methylphenol    | ND     |           | 390  | 200  | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 02:11 | 1       |
| 4-Bromophenyl phenyl ether    | ND     |           | 200  | 29   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 02:11 | 1       |
| 4-Chloro-3-methylphenol       | ND     |           | 200  | 50   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 02:11 | 1       |
| 4-Chloroaniline               | ND     |           | 200  | 50   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 02:11 | 1       |
| 4-Chlorophenyl phenyl ether   | ND     |           | 200  | 25   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 02:11 | 1       |
| 4-Methylphenol                | ND     |           | 390  | 24   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 02:11 | 1       |
| 4-Nitroaniline                | ND     |           | 390  | 110  | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 02:11 | 1       |
| 4-Nitrophenol                 | ND     |           | 390  | 140  | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 02:11 | 1       |
| Acenaphthene                  | ND     |           | 200  | 30   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 02:11 | 1       |
| Acenaphthylene                | ND     |           | 200  | 26   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 02:11 | 1       |
| Acetophenone                  | ND     |           | 200  | 27   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 02:11 | 1       |
| Anthracene                    | ND     |           | 200  | 50   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 02:11 | 1       |
| Atrazine                      | ND     |           | 200  | 70   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 02:11 | 1       |
| Benzaldehyde                  | ND     |           | 200  | 160  | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 02:11 | 1       |
| Benzo(a)anthracene            | ND     |           | 200  | 20   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 02:11 | 1       |
| Benzo(a)pyrene                | ND     |           | 200  | 30   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 02:11 | 1       |
| Benzo(b)fluoranthene          | ND     |           | 200  | 32   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 02:11 | 1       |
| Benzo(g,h,i)perylene          | ND     |           | 200  | 21   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 02:11 | 1       |
| Benzo(k)fluoranthene          | ND     |           | 200  | 26   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 02:11 | 1       |
| Benzoic acid                  | ND     |           | 5700 | 1800 | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 02:11 | 1       |
| Biphenyl                      | ND     |           | 200  | 30   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 02:11 | 1       |
| bis (2-chloroisopropyl) ether | ND     |           | 200  | 41   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 02:11 | 1       |
| Bis(2-chloroethoxy)methane    | ND     |           | 200  | 43   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 02:11 | 1       |
| Bis(2-chloroethyl)ether       | ND     |           | 200  | 26   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 02:11 | 1       |
| Bis(2-ethylhexyl) phthalate   | ND     |           | 200  | 69   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 02:11 | 1       |
| Butyl benzyl phthalate        | ND     |           | 200  | 33   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 02:11 | 1       |
| Caprolactam                   | ND     |           | 200  | 61   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 02:11 | 1       |
| Carbazole                     | ND     |           | 200  | 24   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 02:11 | 1       |
| Chrysene                      | ND     |           | 200  | 45   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 02:11 | 1       |
| Dibenz(a,h)anthracene         | ND     |           | 200  | 36   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 02:11 | 1       |
| Dibenzofuran                  | ND     |           | 200  | 24   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 02:11 | 1       |
| Diethyl phthalate             | ND     |           | 200  | 26   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 02:11 | 1       |
| Dimethyl phthalate            | ND     |           | 200  | 24   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 02:11 | 1       |
| Di-n-butyl phthalate          | 120    | J B       | 200  | 35   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 02:11 | 1       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

Client Sample ID: SS-14-0212

Lab Sample ID: 480-186319-18

Date Collected: 06/21/21 08:47

Matrix: Solid

Date Received: 06/21/21 16:14

Percent Solids: 83.0

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

| Analyte                   | Result    | Qualifier | RL  | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------------|-----------|-----------|-----|-----|-------|---|----------------|----------------|---------|
| Di-n-octyl phthalate      | ND        |           | 200 | 24  | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 02:11 | 1       |
| <b>Fluoranthene</b>       | <b>30</b> | <b>J</b>  | 200 | 21  | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 02:11 | 1       |
| Fluorene                  | ND        |           | 200 | 24  | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 02:11 | 1       |
| Hexachlorobenzene         | ND        |           | 200 | 27  | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 02:11 | 1       |
| Hexachlorobutadiene       | ND        |           | 200 | 30  | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 02:11 | 1       |
| Hexachlorocyclopentadiene | ND        |           | 200 | 27  | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 02:11 | 1       |
| Hexachloroethane          | ND        |           | 200 | 26  | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 02:11 | 1       |
| Indeno(1,2,3-cd)pyrene    | ND        |           | 200 | 25  | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 02:11 | 1       |
| Isophorone                | ND        |           | 200 | 43  | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 02:11 | 1       |
| Naphthalene               | ND        |           | 200 | 26  | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 02:11 | 1       |
| Nitrobenzene              | ND        |           | 200 | 23  | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 02:11 | 1       |
| N-Nitrosodi-n-propylamine | ND        |           | 200 | 35  | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 02:11 | 1       |
| N-Nitrosodiphenylamine    | ND        |           | 200 | 160 | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 02:11 | 1       |
| Pentachlorophenol         | ND        |           | 390 | 200 | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 02:11 | 1       |
| Phenanthrene              | ND        |           | 200 | 30  | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 02:11 | 1       |
| Phenol                    | ND        |           | 200 | 31  | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 02:11 | 1       |
| Pyrene                    | ND        |           | 200 | 24  | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 02:11 | 1       |

| Surrogate            | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 2,4,6-Tribromophenol | 68        |           | 54 - 120 | 06/28/21 15:04 | 07/01/21 02:11 | 1       |
| 2-Fluorobiphenyl     | 65        |           | 60 - 120 | 06/28/21 15:04 | 07/01/21 02:11 | 1       |
| 2-Fluorophenol       | 61        |           | 52 - 120 | 06/28/21 15:04 | 07/01/21 02:11 | 1       |
| Nitrobenzene-d5      | 64        |           | 53 - 120 | 06/28/21 15:04 | 07/01/21 02:11 | 1       |
| p-Terphenyl-d14      | 73        | S1-       | 79 - 130 | 06/28/21 15:04 | 07/01/21 02:11 | 1       |
| Phenol-d5            | 65        |           | 54 - 120 | 06/28/21 15:04 | 07/01/21 02:11 | 1       |

## Method: 8081B - Organochlorine Pesticides (GC)

| Analyte                    | Result      | Qualifier  | RL  | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------------------------|-------------|------------|-----|------|-------|---|----------------|----------------|---------|
| <b>4,4'-DDD</b>            | <b>0.87</b> | <b>J</b>   | 2.0 | 0.39 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 20:59 | 1       |
| <b>4,4'-DDE</b>            | <b>1.2</b>  | <b>J</b>   | 2.0 | 0.42 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 20:59 | 1       |
| <b>4,4'-DDT</b>            | <b>1.7</b>  | <b>J</b>   | 2.0 | 0.47 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 20:59 | 1       |
| Aldrin                     | ND          |            | 2.0 | 0.49 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 20:59 | 1       |
| alpha-BHC                  | ND          |            | 2.0 | 0.36 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 20:59 | 1       |
| beta-BHC                   | ND          |            | 2.0 | 0.36 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 20:59 | 1       |
| cis-Chlordane              | ND          |            | 2.0 | 1.0  | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 20:59 | 1       |
| delta-BHC                  | ND          |            | 2.0 | 0.37 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 20:59 | 1       |
| Dieldrin                   | ND          |            | 2.0 | 0.48 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 20:59 | 1       |
| Endosulfan I               | ND          |            | 2.0 | 0.39 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 20:59 | 1       |
| <b>Endosulfan II</b>       | <b>0.49</b> | <b>J</b>   | 2.0 | 0.36 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 20:59 | 1       |
| Endosulfan sulfate         | ND          |            | 2.0 | 0.37 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 20:59 | 1       |
| Endrin                     | ND          |            | 2.0 | 0.40 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 20:59 | 1       |
| <b>Endrin aldehyde</b>     | <b>1.5</b>  | <b>J B</b> | 2.0 | 0.51 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 20:59 | 1       |
| Endrin ketone              | ND          |            | 2.0 | 0.49 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 20:59 | 1       |
| <b>gamma-BHC (Lindane)</b> | <b>0.58</b> | <b>J B</b> | 2.0 | 0.37 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 20:59 | 1       |
| Heptachlor                 | ND          |            | 2.0 | 0.43 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 20:59 | 1       |
| Heptachlor epoxide         | ND          |            | 2.0 | 0.52 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 20:59 | 1       |
| <b>Methoxychlor</b>        | <b>1.6</b>  | <b>J</b>   | 2.0 | 0.41 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 20:59 | 1       |
| Mirex                      | ND          |            | 2.0 | 0.49 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 20:59 | 1       |
| Toxaphene                  | ND          |            | 20  | 12   | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 20:59 | 1       |
| trans-Chlordane            | ND          |            | 2.0 | 0.64 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 20:59 | 1       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

Client Sample ID: SS-14-0212

Lab Sample ID: 480-186319-18

Date Collected: 06/21/21 08:47

Matrix: Solid

Date Received: 06/21/21 16:14

Percent Solids: 83.0

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| DCB Decachlorobiphenyl | 73        |           | 45 - 120 | 06/28/21 07:45 | 06/29/21 20:59 | 1       |
| DCB Decachlorobiphenyl | 80        |           | 45 - 120 | 06/28/21 07:45 | 06/29/21 20:59 | 1       |
| Tetrachloro-m-xylene   | 74        |           | 30 - 124 | 06/28/21 07:45 | 06/29/21 20:59 | 1       |
| Tetrachloro-m-xylene   | 53        |           | 30 - 124 | 06/28/21 07:45 | 06/29/21 20:59 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| PCB-1016 | ND     |           | 0.24 | 0.047 | mg/Kg | ☆ | 06/29/21 08:04 | 06/30/21 05:11 | 1       |
| PCB-1221 | ND     |           | 0.24 | 0.047 | mg/Kg | ☆ | 06/29/21 08:04 | 06/30/21 05:11 | 1       |
| PCB-1232 | ND     |           | 0.24 | 0.047 | mg/Kg | ☆ | 06/29/21 08:04 | 06/30/21 05:11 | 1       |
| PCB-1242 | ND     |           | 0.24 | 0.047 | mg/Kg | ☆ | 06/29/21 08:04 | 06/30/21 05:11 | 1       |
| PCB-1248 | ND     |           | 0.24 | 0.047 | mg/Kg | ☆ | 06/29/21 08:04 | 06/30/21 05:11 | 1       |
| PCB-1254 | ND     |           | 0.24 | 0.11  | mg/Kg | ☆ | 06/29/21 08:04 | 06/30/21 05:11 | 1       |
| PCB-1260 | ND     |           | 0.24 | 0.11  | mg/Kg | ☆ | 06/29/21 08:04 | 06/30/21 05:11 | 1       |
| PCB-1262 | ND     |           | 0.24 | 0.11  | mg/Kg | ☆ | 06/29/21 08:04 | 06/30/21 05:11 | 1       |
| PCB-1268 | ND     |           | 0.24 | 0.11  | mg/Kg | ☆ | 06/29/21 08:04 | 06/30/21 05:11 | 1       |

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| Tetrachloro-m-xylene   | 130       |           | 60 - 154 | 06/29/21 08:04 | 06/30/21 05:11 | 1       |
| Tetrachloro-m-xylene   | 137       |           | 60 - 154 | 06/29/21 08:04 | 06/30/21 05:11 | 1       |
| DCB Decachlorobiphenyl | 126       |           | 65 - 174 | 06/29/21 08:04 | 06/30/21 05:11 | 1       |
| DCB Decachlorobiphenyl | 125       |           | 65 - 174 | 06/29/21 08:04 | 06/30/21 05:11 | 1       |

## Method: 6010C - Metals (ICP)

| Analyte   | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| Aluminum  | 14300  |           | 11.7 | 5.1   | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 01:56 | 1       |
| Antimony  | ND     |           | 17.5 | 0.47  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 01:56 | 1       |
| Arsenic   | 5.9    |           | 2.3  | 0.47  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 01:56 | 1       |
| Barium    | 90.2   | ^6+       | 0.58 | 0.13  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 01:56 | 1       |
| Beryllium | 0.62   |           | 0.23 | 0.033 | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 01:56 | 1       |
| Cadmium   | 0.34   |           | 0.23 | 0.035 | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 01:56 | 1       |
| Calcium   | 48200  | B         | 58.4 | 3.9   | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 01:56 | 1       |
| Chromium  | 21.5   |           | 0.58 | 0.23  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 01:56 | 1       |
| Cobalt    | 10.3   |           | 0.58 | 0.058 | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 01:56 | 1       |
| Copper    | 15.6   |           | 1.2  | 0.25  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 01:56 | 1       |
| Iron      | 19600  |           | 11.7 | 4.1   | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 01:56 | 1       |
| Lead      | 23.1   |           | 1.2  | 0.28  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 01:56 | 1       |
| Magnesium | 11900  | B         | 23.4 | 1.1   | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 01:56 | 1       |
| Manganese | 644    | B         | 0.23 | 0.037 | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 01:56 | 1       |
| Nickel    | 23.0   |           | 5.8  | 0.27  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 01:56 | 1       |
| Potassium | 3640   | B         | 35.0 | 23.4  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 01:56 | 1       |
| Selenium  | ND     |           | 4.7  | 0.47  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 01:56 | 1       |
| Silver    | ND     |           | 0.70 | 0.23  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 01:56 | 1       |
| Sodium    | 195    | B         | 163  | 15.2  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 01:56 | 1       |
| Thallium  | ND     |           | 7.0  | 0.35  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 01:56 | 1       |
| Vanadium  | 31.6   |           | 0.58 | 0.13  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 01:56 | 1       |
| Zinc      | 55.4   |           | 2.3  | 0.75  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 01:56 | 1       |

## Method: 7471B - Mercury (CVAA)

| Analyte | Result | Qualifier | RL    | MDL    | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------|--------|-----------|-------|--------|-------|---|----------------|----------------|---------|
| Mercury | 0.11   |           | 0.026 | 0.0061 | mg/Kg | ☆ | 06/24/21 17:36 | 06/24/21 19:08 | 1       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

Client Sample ID: SS-15-0002

Lab Sample ID: 480-186319-19

Date Collected: 06/21/21 12:05

Matrix: Solid

Date Received: 06/21/21 16:14

Percent Solids: 61.3

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

| Analyte                       | Result  | Qualifier | RL   | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|---------|-----------|------|------|-------|---|----------------|----------------|---------|
| 2,4,5-Trichlorophenol         | ND      |           | 270  | 73   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 02:35 | 1       |
| 2,4,6-Trichlorophenol         | ND      |           | 270  | 54   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 02:35 | 1       |
| 2,4-Dichlorophenol            | ND      |           | 270  | 28   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 02:35 | 1       |
| 2,4-Dimethylphenol            | ND      |           | 270  | 65   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 02:35 | 1       |
| 2,4-Dinitrophenol             | ND      |           | 2600 | 1200 | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 02:35 | 1       |
| 2,4-Dinitrotoluene            | ND      |           | 270  | 55   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 02:35 | 1       |
| 2,6-Dinitrotoluene            | ND      |           | 270  | 32   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 02:35 | 1       |
| 2-Chloronaphthalene           | ND      |           | 270  | 44   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 02:35 | 1       |
| 2-Chlorophenol                | ND      |           | 520  | 49   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 02:35 | 1       |
| 2-Methylnaphthalene           | ND      |           | 270  | 54   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 02:35 | 1       |
| 2-Methylphenol                | ND      |           | 270  | 32   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 02:35 | 1       |
| 2-Nitroaniline                | ND      |           | 520  | 40   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 02:35 | 1       |
| 2-Nitrophenol                 | ND      |           | 270  | 76   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 02:35 | 1       |
| 3,3'-Dichlorobenzidine        | ND      |           | 520  | 320  | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 02:35 | 1       |
| 3-Nitroaniline                | ND      |           | 520  | 74   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 02:35 | 1       |
| 4,6-Dinitro-2-methylphenol    | ND      |           | 520  | 270  | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 02:35 | 1       |
| 4-Bromophenyl phenyl ether    | ND      |           | 270  | 38   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 02:35 | 1       |
| 4-Chloro-3-methylphenol       | ND      |           | 270  | 66   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 02:35 | 1       |
| 4-Chloroaniline               | ND      |           | 270  | 66   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 02:35 | 1       |
| 4-Chlorophenyl phenyl ether   | ND      |           | 270  | 33   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 02:35 | 1       |
| 4-Methylphenol                | ND      |           | 520  | 32   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 02:35 | 1       |
| 4-Nitroaniline                | ND      |           | 520  | 140  | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 02:35 | 1       |
| 4-Nitrophenol                 | ND      |           | 520  | 190  | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 02:35 | 1       |
| Acenaphthene                  | ND      |           | 270  | 40   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 02:35 | 1       |
| Acenaphthylene                | ND      |           | 270  | 35   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 02:35 | 1       |
| Acetophenone                  | ND      |           | 270  | 36   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 02:35 | 1       |
| Anthracene                    | ND      |           | 270  | 66   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 02:35 | 1       |
| Atrazine                      | ND      |           | 270  | 93   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 02:35 | 1       |
| Benzaldehyde                  | ND      |           | 270  | 210  | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 02:35 | 1       |
| Benzo(a)anthracene            | 67 J    |           | 270  | 27   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 02:35 | 1       |
| Benzo(a)pyrene                | 52 J    |           | 270  | 40   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 02:35 | 1       |
| Benzo(b)fluoranthene          | 72 J    |           | 270  | 43   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 02:35 | 1       |
| Benzo(g,h,i)perylene          | ND      |           | 270  | 28   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 02:35 | 1       |
| Benzo(k)fluoranthene          | ND      |           | 270  | 35   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 02:35 | 1       |
| Benzoic acid                  | ND      |           | 7600 | 2400 | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 02:35 | 1       |
| Biphenyl                      | ND      |           | 270  | 40   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 02:35 | 1       |
| bis (2-chloroisopropyl) ether | ND      |           | 270  | 54   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 02:35 | 1       |
| Bis(2-chloroethoxy)methane    | ND      |           | 270  | 57   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 02:35 | 1       |
| Bis(2-chloroethyl)ether       | ND      |           | 270  | 35   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 02:35 | 1       |
| Bis(2-ethylhexyl) phthalate   | ND      |           | 270  | 92   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 02:35 | 1       |
| Butyl benzyl phthalate        | ND      |           | 270  | 44   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 02:35 | 1       |
| Caprolactam                   | ND      |           | 270  | 81   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 02:35 | 1       |
| Carbazole                     | ND      |           | 270  | 32   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 02:35 | 1       |
| Chrysene                      | 60 J    |           | 270  | 60   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 02:35 | 1       |
| Dibenz(a,h)anthracene         | ND      |           | 270  | 47   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 02:35 | 1       |
| Dibenzofuran                  | ND      |           | 270  | 32   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 02:35 | 1       |
| Diethyl phthalate             | ND      |           | 270  | 35   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 02:35 | 1       |
| Dimethyl phthalate            | ND      |           | 270  | 32   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 02:35 | 1       |
| Di-n-butyl phthalate          | 100 J B |           | 270  | 46   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 02:35 | 1       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

Client Sample ID: SS-15-0002

Lab Sample ID: 480-186319-19

Date Collected: 06/21/21 12:05

Matrix: Solid

Date Received: 06/21/21 16:14

Percent Solids: 61.3

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

| Analyte                   | Result     | Qualifier | RL  | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------------|------------|-----------|-----|-----|-------|---|----------------|----------------|---------|
| Di-n-octyl phthalate      | ND         |           | 270 | 32  | ug/Kg | ☆ | 06/28/21 15:04 | 07/01/21 02:35 | 1       |
| <b>Fluoranthene</b>       | <b>110</b> | <b>J</b>  | 270 | 28  | ug/Kg | ☆ | 06/28/21 15:04 | 07/01/21 02:35 | 1       |
| Fluorene                  | ND         |           | 270 | 32  | ug/Kg | ☆ | 06/28/21 15:04 | 07/01/21 02:35 | 1       |
| Hexachlorobenzene         | ND         |           | 270 | 36  | ug/Kg | ☆ | 06/28/21 15:04 | 07/01/21 02:35 | 1       |
| Hexachlorobutadiene       | ND         |           | 270 | 40  | ug/Kg | ☆ | 06/28/21 15:04 | 07/01/21 02:35 | 1       |
| Hexachlorocyclopentadiene | ND         |           | 270 | 36  | ug/Kg | ☆ | 06/28/21 15:04 | 07/01/21 02:35 | 1       |
| Hexachloroethane          | ND         |           | 270 | 35  | ug/Kg | ☆ | 06/28/21 15:04 | 07/01/21 02:35 | 1       |
| Indeno(1,2,3-cd)pyrene    | ND         |           | 270 | 33  | ug/Kg | ☆ | 06/28/21 15:04 | 07/01/21 02:35 | 1       |
| Isophorone                | ND         |           | 270 | 57  | ug/Kg | ☆ | 06/28/21 15:04 | 07/01/21 02:35 | 1       |
| Naphthalene               | ND         |           | 270 | 35  | ug/Kg | ☆ | 06/28/21 15:04 | 07/01/21 02:35 | 1       |
| Nitrobenzene              | ND         |           | 270 | 30  | ug/Kg | ☆ | 06/28/21 15:04 | 07/01/21 02:35 | 1       |
| N-Nitrosodi-n-propylamine | ND         |           | 270 | 46  | ug/Kg | ☆ | 06/28/21 15:04 | 07/01/21 02:35 | 1       |
| N-Nitrosodiphenylamine    | ND         |           | 270 | 220 | ug/Kg | ☆ | 06/28/21 15:04 | 07/01/21 02:35 | 1       |
| Pentachlorophenol         | ND         |           | 520 | 270 | ug/Kg | ☆ | 06/28/21 15:04 | 07/01/21 02:35 | 1       |
| <b>Phenanthrene</b>       | <b>40</b>  | <b>J</b>  | 270 | 40  | ug/Kg | ☆ | 06/28/21 15:04 | 07/01/21 02:35 | 1       |
| Phenol                    | ND         |           | 270 | 41  | ug/Kg | ☆ | 06/28/21 15:04 | 07/01/21 02:35 | 1       |
| <b>Pyrene</b>             | <b>82</b>  | <b>J</b>  | 270 | 32  | ug/Kg | ☆ | 06/28/21 15:04 | 07/01/21 02:35 | 1       |

| Surrogate            | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 2,4,6-Tribromophenol | 91        |           | 54 - 120 | 06/28/21 15:04 | 07/01/21 02:35 | 1       |
| 2-Fluorobiphenyl     | 82        |           | 60 - 120 | 06/28/21 15:04 | 07/01/21 02:35 | 1       |
| 2-Fluorophenol       | 76        |           | 52 - 120 | 06/28/21 15:04 | 07/01/21 02:35 | 1       |
| Nitrobenzene-d5      | 78        |           | 53 - 120 | 06/28/21 15:04 | 07/01/21 02:35 | 1       |
| p-Terphenyl-d14      | 90        |           | 79 - 130 | 06/28/21 15:04 | 07/01/21 02:35 | 1       |
| Phenol-d5            | 78        |           | 54 - 120 | 06/28/21 15:04 | 07/01/21 02:35 | 1       |

## Method: 8081B - Organochlorine Pesticides (GC)

| Analyte                    | Result     | Qualifier  | RL  | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------------------------|------------|------------|-----|-----|-------|---|----------------|----------------|---------|
| 4,4'-DDD                   | ND         |            | 13  | 2.6 | ug/Kg | ☆ | 06/28/21 07:45 | 06/29/21 21:19 | 5       |
| <b>4,4'-DDE</b>            | <b>4.8</b> | <b>J</b>   | 13  | 2.8 | ug/Kg | ☆ | 06/28/21 07:45 | 06/29/21 21:19 | 5       |
| <b>4,4'-DDT</b>            | <b>10</b>  | <b>J</b>   | 13  | 3.1 | ug/Kg | ☆ | 06/28/21 07:45 | 06/29/21 21:19 | 5       |
| Aldrin                     | ND         |            | 13  | 3.2 | ug/Kg | ☆ | 06/28/21 07:45 | 06/29/21 21:19 | 5       |
| alpha-BHC                  | ND         |            | 13  | 2.4 | ug/Kg | ☆ | 06/28/21 07:45 | 06/29/21 21:19 | 5       |
| <b>beta-BHC</b>            | <b>8.0</b> | <b>J</b>   | 13  | 2.4 | ug/Kg | ☆ | 06/28/21 07:45 | 06/29/21 21:19 | 5       |
| cis-Chlordane              | ND         |            | 13  | 6.6 | ug/Kg | ☆ | 06/28/21 07:45 | 06/29/21 21:19 | 5       |
| delta-BHC                  | ND         |            | 13  | 2.5 | ug/Kg | ☆ | 06/28/21 07:45 | 06/29/21 21:19 | 5       |
| Dieldrin                   | ND         |            | 13  | 3.2 | ug/Kg | ☆ | 06/28/21 07:45 | 06/29/21 21:19 | 5       |
| Endosulfan I               | ND         |            | 13  | 2.5 | ug/Kg | ☆ | 06/28/21 07:45 | 06/29/21 21:19 | 5       |
| Endosulfan II              | ND         |            | 13  | 2.4 | ug/Kg | ☆ | 06/28/21 07:45 | 06/29/21 21:19 | 5       |
| Endosulfan sulfate         | ND         |            | 13  | 2.5 | ug/Kg | ☆ | 06/28/21 07:45 | 06/29/21 21:19 | 5       |
| Endrin                     | ND         |            | 13  | 2.6 | ug/Kg | ☆ | 06/28/21 07:45 | 06/29/21 21:19 | 5       |
| <b>Endrin aldehyde</b>     | <b>10</b>  | <b>J B</b> | 13  | 3.4 | ug/Kg | ☆ | 06/28/21 07:45 | 06/29/21 21:19 | 5       |
| Endrin ketone              | ND         |            | 13  | 3.2 | ug/Kg | ☆ | 06/28/21 07:45 | 06/29/21 21:19 | 5       |
| <b>gamma-BHC (Lindane)</b> | <b>3.7</b> | <b>J B</b> | 13  | 2.4 | ug/Kg | ☆ | 06/28/21 07:45 | 06/29/21 21:19 | 5       |
| Heptachlor                 | ND         |            | 13  | 2.9 | ug/Kg | ☆ | 06/28/21 07:45 | 06/29/21 21:19 | 5       |
| Heptachlor epoxide         | ND         |            | 13  | 3.4 | ug/Kg | ☆ | 06/28/21 07:45 | 06/29/21 21:19 | 5       |
| Methoxychlor               | ND         |            | 13  | 2.7 | ug/Kg | ☆ | 06/28/21 07:45 | 06/29/21 21:19 | 5       |
| Mirex                      | ND         |            | 13  | 3.2 | ug/Kg | ☆ | 06/28/21 07:45 | 06/29/21 21:19 | 5       |
| Toxaphene                  | ND         |            | 130 | 77  | ug/Kg | ☆ | 06/28/21 07:45 | 06/29/21 21:19 | 5       |
| trans-Chlordane            | ND         |            | 13  | 4.2 | ug/Kg | ☆ | 06/28/21 07:45 | 06/29/21 21:19 | 5       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

Client Sample ID: SS-15-0002

Lab Sample ID: 480-186319-19

Date Collected: 06/21/21 12:05

Matrix: Solid

Date Received: 06/21/21 16:14

Percent Solids: 61.3

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| DCB Decachlorobiphenyl | 114       |           | 45 - 120 | 06/28/21 07:45 | 06/29/21 21:19 | 5       |
| DCB Decachlorobiphenyl | 174       | S1+       | 45 - 120 | 06/28/21 07:45 | 06/29/21 21:19 | 5       |
| Tetrachloro-m-xylene   | 104       |           | 30 - 124 | 06/28/21 07:45 | 06/29/21 21:19 | 5       |
| Tetrachloro-m-xylene   | 84        |           | 30 - 124 | 06/28/21 07:45 | 06/29/21 21:19 | 5       |

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

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| PCB-1016 | ND     |           | 0.32 | 0.063 | mg/Kg | ☆ | 06/29/21 08:04 | 06/30/21 05:24 | 1       |
| PCB-1221 | ND     |           | 0.32 | 0.063 | mg/Kg | ☆ | 06/29/21 08:04 | 06/30/21 05:24 | 1       |
| PCB-1232 | ND     |           | 0.32 | 0.063 | mg/Kg | ☆ | 06/29/21 08:04 | 06/30/21 05:24 | 1       |
| PCB-1242 | ND     |           | 0.32 | 0.063 | mg/Kg | ☆ | 06/29/21 08:04 | 06/30/21 05:24 | 1       |
| PCB-1248 | ND     |           | 0.32 | 0.063 | mg/Kg | ☆ | 06/29/21 08:04 | 06/30/21 05:24 | 1       |
| PCB-1254 | ND     |           | 0.32 | 0.15  | mg/Kg | ☆ | 06/29/21 08:04 | 06/30/21 05:24 | 1       |
| PCB-1260 | ND     |           | 0.32 | 0.15  | mg/Kg | ☆ | 06/29/21 08:04 | 06/30/21 05:24 | 1       |
| PCB-1262 | ND     |           | 0.32 | 0.15  | mg/Kg | ☆ | 06/29/21 08:04 | 06/30/21 05:24 | 1       |
| PCB-1268 | ND     |           | 0.32 | 0.15  | mg/Kg | ☆ | 06/29/21 08:04 | 06/30/21 05:24 | 1       |

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| Tetrachloro-m-xylene   | 137       |           | 60 - 154 | 06/29/21 08:04 | 06/30/21 05:24 | 1       |
| Tetrachloro-m-xylene   | 142       |           | 60 - 154 | 06/29/21 08:04 | 06/30/21 05:24 | 1       |
| DCB Decachlorobiphenyl | 128       |           | 65 - 174 | 06/29/21 08:04 | 06/30/21 05:24 | 1       |
| DCB Decachlorobiphenyl | 110       |           | 65 - 174 | 06/29/21 08:04 | 06/30/21 05:24 | 1       |

## Method: 6010C - Metals (ICP)

| Analyte   | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| Aluminum  | 10200  |           | 17.2 | 7.6   | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 02:00 | 1       |
| Antimony  | ND     |           | 25.8 | 0.69  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 02:00 | 1       |
| Arsenic   | 2.8    | J         | 3.4  | 0.69  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 02:00 | 1       |
| Barium    | 73.3   | ^6+       | 0.86 | 0.19  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 02:00 | 1       |
| Beryllium | 0.49   |           | 0.34 | 0.048 | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 02:00 | 1       |
| Cadmium   | 0.88   |           | 0.34 | 0.052 | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 02:00 | 1       |
| Calcium   | 31500  | B         | 85.8 | 5.7   | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 02:00 | 1       |
| Chromium  | 17.6   |           | 0.86 | 0.34  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 02:00 | 1       |
| Cobalt    | 6.1    |           | 0.86 | 0.086 | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 02:00 | 1       |
| Copper    | 25.7   |           | 1.7  | 0.36  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 02:00 | 1       |
| Iron      | 15600  |           | 17.2 | 6.0   | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 02:00 | 1       |
| Lead      | 33.4   |           | 1.7  | 0.41  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 02:00 | 1       |
| Magnesium | 12600  | B         | 34.3 | 1.6   | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 02:00 | 1       |
| Manganese | 310    | B         | 0.34 | 0.055 | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 02:00 | 1       |
| Nickel    | 18.1   |           | 8.6  | 0.39  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 02:00 | 1       |
| Potassium | 2660   | B         | 51.5 | 34.3  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 02:00 | 1       |
| Selenium  | ND     |           | 6.9  | 0.69  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 02:00 | 1       |
| Silver    | 0.67   | J         | 1.0  | 0.34  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 02:00 | 1       |
| Sodium    | 174    | J B       | 240  | 22.3  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 02:00 | 1       |
| Thallium  | ND     |           | 10.3 | 0.52  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 02:00 | 1       |
| Vanadium  | 24.6   |           | 0.86 | 0.19  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 02:00 | 1       |
| Zinc      | 109    |           | 3.4  | 1.1   | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 02:00 | 1       |

## Method: 7471B - Mercury (CVAA)

| Analyte | Result | Qualifier | RL    | MDL    | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------|--------|-----------|-------|--------|-------|---|----------------|----------------|---------|
| Mercury | 0.32   |           | 0.034 | 0.0079 | mg/Kg | ☆ | 06/24/21 17:36 | 06/24/21 19:12 | 1       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

Client Sample ID: SS-15-0212

Lab Sample ID: 480-186319-20

Date Collected: 06/21/21 12:10

Matrix: Solid

Date Received: 06/21/21 16:14

Percent Solids: 84.9

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

| Analyte                       | Result  | Qualifier | RL   | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|---------|-----------|------|------|-------|---|----------------|----------------|---------|
| 2,4,5-Trichlorophenol         | ND      |           | 190  | 53   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 02:58 | 1       |
| 2,4,6-Trichlorophenol         | ND      |           | 190  | 39   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 02:58 | 1       |
| 2,4-Dichlorophenol            | ND      |           | 190  | 21   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 02:58 | 1       |
| 2,4-Dimethylphenol            | ND      |           | 190  | 47   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 02:58 | 1       |
| 2,4-Dinitrophenol             | ND      |           | 1900 | 900  | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 02:58 | 1       |
| 2,4-Dinitrotoluene            | ND      |           | 190  | 40   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 02:58 | 1       |
| 2,6-Dinitrotoluene            | ND      |           | 190  | 23   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 02:58 | 1       |
| 2-Chloronaphthalene           | ND      |           | 190  | 32   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 02:58 | 1       |
| 2-Chlorophenol                | ND      |           | 380  | 36   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 02:58 | 1       |
| 2-Methylnaphthalene           | ND      |           | 190  | 39   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 02:58 | 1       |
| 2-Methylphenol                | ND      |           | 190  | 23   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 02:58 | 1       |
| 2-Nitroaniline                | ND      |           | 380  | 29   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 02:58 | 1       |
| 2-Nitrophenol                 | ND      |           | 190  | 55   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 02:58 | 1       |
| 3,3'-Dichlorobenzidine        | ND      |           | 380  | 230  | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 02:58 | 1       |
| 3-Nitroaniline                | ND      |           | 380  | 54   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 02:58 | 1       |
| 4,6-Dinitro-2-methylphenol    | ND      |           | 380  | 190  | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 02:58 | 1       |
| 4-Bromophenyl phenyl ether    | ND      |           | 190  | 27   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 02:58 | 1       |
| 4-Chloro-3-methylphenol       | ND      |           | 190  | 48   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 02:58 | 1       |
| 4-Chloroaniline               | ND      |           | 190  | 48   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 02:58 | 1       |
| 4-Chlorophenyl phenyl ether   | ND      |           | 190  | 24   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 02:58 | 1       |
| 4-Methylphenol                | ND      |           | 380  | 23   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 02:58 | 1       |
| 4-Nitroaniline                | ND      |           | 380  | 100  | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 02:58 | 1       |
| 4-Nitrophenol                 | ND      |           | 380  | 140  | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 02:58 | 1       |
| Acenaphthene                  | ND      |           | 190  | 29   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 02:58 | 1       |
| Acenaphthylene                | ND      |           | 190  | 25   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 02:58 | 1       |
| Acetophenone                  | ND      |           | 190  | 26   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 02:58 | 1       |
| Anthracene                    | ND      |           | 190  | 48   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 02:58 | 1       |
| Atrazine                      | ND      |           | 190  | 68   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 02:58 | 1       |
| Benzaldehyde                  | ND      |           | 190  | 150  | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 02:58 | 1       |
| Benzo(a)anthracene            | 25 J    |           | 190  | 19   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 02:58 | 1       |
| Benzo(a)pyrene                | ND      |           | 190  | 29   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 02:58 | 1       |
| Benzo(b)fluoranthene          | 32 J    |           | 190  | 31   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 02:58 | 1       |
| Benzo(g,h,i)perylene          | ND      |           | 190  | 21   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 02:58 | 1       |
| Benzo(k)fluoranthene          | ND      |           | 190  | 25   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 02:58 | 1       |
| Benzoic acid                  | ND      |           | 5500 | 1700 | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 02:58 | 1       |
| Biphenyl                      | ND      |           | 190  | 29   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 02:58 | 1       |
| bis (2-chloroisopropyl) ether | ND      |           | 190  | 39   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 02:58 | 1       |
| Bis(2-chloroethoxy)methane    | ND      |           | 190  | 41   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 02:58 | 1       |
| Bis(2-chloroethyl)ether       | ND      |           | 190  | 25   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 02:58 | 1       |
| Bis(2-ethylhexyl) phthalate   | ND      |           | 190  | 66   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 02:58 | 1       |
| Butyl benzyl phthalate        | ND      |           | 190  | 32   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 02:58 | 1       |
| Caprolactam                   | ND      |           | 190  | 58   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 02:58 | 1       |
| Carbazole                     | ND      |           | 190  | 23   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 02:58 | 1       |
| Chrysene                      | ND      |           | 190  | 44   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 02:58 | 1       |
| Dibenz(a,h)anthracene         | ND      |           | 190  | 34   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 02:58 | 1       |
| Dibenzofuran                  | ND      |           | 190  | 23   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 02:58 | 1       |
| Diethyl phthalate             | ND      |           | 190  | 25   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 02:58 | 1       |
| Dimethyl phthalate            | ND      |           | 190  | 23   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 02:58 | 1       |
| Di-n-butyl phthalate          | 130 J B |           | 190  | 33   | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 02:58 | 1       |

Eurofins TestAmerica, Buffalo

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

Client Sample ID: SS-15-0212

Lab Sample ID: 480-186319-20

Date Collected: 06/21/21 12:10

Matrix: Solid

Date Received: 06/21/21 16:14

Percent Solids: 84.9

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

| Analyte                   | Result    | Qualifier | RL  | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------------|-----------|-----------|-----|-----|-------|---|----------------|----------------|---------|
| Di-n-octyl phthalate      | ND        |           | 190 | 23  | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 02:58 | 1       |
| <b>Fluoranthene</b>       | <b>36</b> | <b>J</b>  | 190 | 21  | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 02:58 | 1       |
| Fluorene                  | ND        |           | 190 | 23  | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 02:58 | 1       |
| Hexachlorobenzene         | ND        |           | 190 | 26  | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 02:58 | 1       |
| Hexachlorobutadiene       | ND        |           | 190 | 29  | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 02:58 | 1       |
| Hexachlorocyclopentadiene | ND        |           | 190 | 26  | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 02:58 | 1       |
| Hexachloroethane          | ND        |           | 190 | 25  | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 02:58 | 1       |
| Indeno(1,2,3-cd)pyrene    | ND        |           | 190 | 24  | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 02:58 | 1       |
| Isophorone                | ND        |           | 190 | 41  | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 02:58 | 1       |
| Naphthalene               | ND        |           | 190 | 25  | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 02:58 | 1       |
| Nitrobenzene              | ND        |           | 190 | 22  | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 02:58 | 1       |
| N-Nitrosodi-n-propylamine | ND        |           | 190 | 33  | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 02:58 | 1       |
| N-Nitrosodiphenylamine    | ND        |           | 190 | 160 | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 02:58 | 1       |
| Pentachlorophenol         | ND        |           | 380 | 190 | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 02:58 | 1       |
| Phenanthrene              | ND        |           | 190 | 29  | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 02:58 | 1       |
| Phenol                    | ND        |           | 190 | 30  | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 02:58 | 1       |
| <b>Pyrene</b>             | <b>31</b> | <b>J</b>  | 190 | 23  | ug/Kg | ✱ | 06/28/21 15:04 | 07/01/21 02:58 | 1       |

| Surrogate            | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 2,4,6-Tribromophenol | 85        |           | 54 - 120 | 06/28/21 15:04 | 07/01/21 02:58 | 1       |
| 2-Fluorobiphenyl     | 70        |           | 60 - 120 | 06/28/21 15:04 | 07/01/21 02:58 | 1       |
| 2-Fluorophenol       | 52        |           | 52 - 120 | 06/28/21 15:04 | 07/01/21 02:58 | 1       |
| Nitrobenzene-d5      | 56        |           | 53 - 120 | 06/28/21 15:04 | 07/01/21 02:58 | 1       |
| p-Terphenyl-d14      | 88        |           | 79 - 130 | 06/28/21 15:04 | 07/01/21 02:58 | 1       |
| Phenol-d5            | 57        |           | 54 - 120 | 06/28/21 15:04 | 07/01/21 02:58 | 1       |

## Method: 8081B - Organochlorine Pesticides (GC)

| Analyte                    | Result      | Qualifier  | RL  | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------------------------|-------------|------------|-----|------|-------|---|----------------|----------------|---------|
| <b>4,4'-DDD</b>            | <b>2.1</b>  |            | 1.9 | 0.37 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 21:39 | 1       |
| <b>4,4'-DDE</b>            | <b>1.6</b>  | <b>J</b>   | 1.9 | 0.40 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 21:39 | 1       |
| <b>4,4'-DDT</b>            | <b>5.4</b>  |            | 1.9 | 0.45 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 21:39 | 1       |
| Aldrin                     | ND          |            | 1.9 | 0.47 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 21:39 | 1       |
| <b>alpha-BHC</b>           | <b>1.0</b>  | <b>J</b>   | 1.9 | 0.34 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 21:39 | 1       |
| <b>beta-BHC</b>            | <b>1.5</b>  | <b>J</b>   | 1.9 | 0.34 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 21:39 | 1       |
| cis-Chlordane              | ND          |            | 1.9 | 0.95 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 21:39 | 1       |
| <b>delta-BHC</b>           | <b>0.84</b> | <b>J B</b> | 1.9 | 0.36 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 21:39 | 1       |
| <b>Dieldrin</b>            | <b>1.4</b>  | <b>J</b>   | 1.9 | 0.46 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 21:39 | 1       |
| Endosulfan I               | ND          |            | 1.9 | 0.37 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 21:39 | 1       |
| <b>Endosulfan II</b>       | <b>1.4</b>  | <b>J</b>   | 1.9 | 0.34 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 21:39 | 1       |
| Endosulfan sulfate         | ND          |            | 1.9 | 0.36 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 21:39 | 1       |
| <b>Endrin</b>              | <b>1.2</b>  | <b>J</b>   | 1.9 | 0.38 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 21:39 | 1       |
| <b>Endrin aldehyde</b>     | <b>2.3</b>  | <b>B</b>   | 1.9 | 0.49 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 21:39 | 1       |
| Endrin ketone              | ND          |            | 1.9 | 0.47 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 21:39 | 1       |
| <b>gamma-BHC (Lindane)</b> | <b>0.90</b> | <b>J B</b> | 1.9 | 0.35 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 21:39 | 1       |
| Heptachlor                 | ND          |            | 1.9 | 0.41 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 21:39 | 1       |
| Heptachlor epoxide         | ND          |            | 1.9 | 0.49 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 21:39 | 1       |
| Methoxychlor               | ND          |            | 1.9 | 0.39 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 21:39 | 1       |
| <b>Mirex</b>               | <b>0.99</b> | <b>J</b>   | 1.9 | 0.47 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 21:39 | 1       |
| Toxaphene                  | ND          |            | 19  | 11   | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 21:39 | 1       |
| <b>trans-Chlordane</b>     | <b>5.6</b>  |            | 1.9 | 0.61 | ug/Kg | ✱ | 06/28/21 07:45 | 06/29/21 21:39 | 1       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

Client Sample ID: SS-15-0212

Lab Sample ID: 480-186319-20

Date Collected: 06/21/21 12:10

Matrix: Solid

Date Received: 06/21/21 16:14

Percent Solids: 84.9

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| DCB Decachlorobiphenyl | 81        |           | 45 - 120 | 06/28/21 07:45 | 06/29/21 21:39 | 1       |
| DCB Decachlorobiphenyl | 138       | S1+       | 45 - 120 | 06/28/21 07:45 | 06/29/21 21:39 | 1       |
| Tetrachloro-m-xylene   | 104       |           | 30 - 124 | 06/28/21 07:45 | 06/29/21 21:39 | 1       |
| Tetrachloro-m-xylene   | 81        |           | 30 - 124 | 06/28/21 07:45 | 06/29/21 21:39 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| PCB-1016 | ND     |           | 0.21 | 0.041 | mg/Kg | ☆ | 06/29/21 08:04 | 06/30/21 05:37 | 1       |
| PCB-1221 | ND     |           | 0.21 | 0.041 | mg/Kg | ☆ | 06/29/21 08:04 | 06/30/21 05:37 | 1       |
| PCB-1232 | ND     |           | 0.21 | 0.041 | mg/Kg | ☆ | 06/29/21 08:04 | 06/30/21 05:37 | 1       |
| PCB-1242 | ND     |           | 0.21 | 0.041 | mg/Kg | ☆ | 06/29/21 08:04 | 06/30/21 05:37 | 1       |
| PCB-1248 | ND     |           | 0.21 | 0.041 | mg/Kg | ☆ | 06/29/21 08:04 | 06/30/21 05:37 | 1       |
| PCB-1254 | ND     |           | 0.21 | 0.098 | mg/Kg | ☆ | 06/29/21 08:04 | 06/30/21 05:37 | 1       |
| PCB-1260 | ND     |           | 0.21 | 0.098 | mg/Kg | ☆ | 06/29/21 08:04 | 06/30/21 05:37 | 1       |
| PCB-1262 | ND     |           | 0.21 | 0.098 | mg/Kg | ☆ | 06/29/21 08:04 | 06/30/21 05:37 | 1       |
| PCB-1268 | ND     |           | 0.21 | 0.098 | mg/Kg | ☆ | 06/29/21 08:04 | 06/30/21 05:37 | 1       |

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| Tetrachloro-m-xylene   | 139       |           | 60 - 154 | 06/29/21 08:04 | 06/30/21 05:37 | 1       |
| Tetrachloro-m-xylene   | 145       |           | 60 - 154 | 06/29/21 08:04 | 06/30/21 05:37 | 1       |
| DCB Decachlorobiphenyl | 134       |           | 65 - 174 | 06/29/21 08:04 | 06/30/21 05:37 | 1       |
| DCB Decachlorobiphenyl | 108       |           | 65 - 174 | 06/29/21 08:04 | 06/30/21 05:37 | 1       |

## Method: 6010C - Metals (ICP)

| Analyte   | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| Aluminum  | 7150   |           | 11.6 | 5.1   | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 02:04 | 1       |
| Antimony  | ND     |           | 17.4 | 0.46  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 02:04 | 1       |
| Arsenic   | 2.1    | J         | 2.3  | 0.46  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 02:04 | 1       |
| Barium    | 52.0   | ^6+       | 0.58 | 0.13  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 02:04 | 1       |
| Beryllium | 0.31   |           | 0.23 | 0.033 | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 02:04 | 1       |
| Cadmium   | 0.36   |           | 0.23 | 0.035 | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 02:04 | 1       |
| Calcium   | 29800  | B         | 58.1 | 3.8   | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 02:04 | 1       |
| Chromium  | 15.3   |           | 0.58 | 0.23  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 02:04 | 1       |
| Cobalt    | 4.1    |           | 0.58 | 0.058 | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 02:04 | 1       |
| Copper    | 12.8   |           | 1.2  | 0.24  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 02:04 | 1       |
| Iron      | 9600   |           | 11.6 | 4.1   | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 02:04 | 1       |
| Lead      | 22.8   |           | 1.2  | 0.28  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 02:04 | 1       |
| Magnesium | 11400  | B         | 23.2 | 1.1   | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 02:04 | 1       |
| Manganese | 186    | B         | 0.23 | 0.037 | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 02:04 | 1       |
| Nickel    | 11.6   |           | 5.8  | 0.27  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 02:04 | 1       |
| Potassium | 1700   | B         | 34.9 | 23.2  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 02:04 | 1       |
| Selenium  | ND     |           | 4.6  | 0.46  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 02:04 | 1       |
| Silver    | 0.33   | J         | 0.70 | 0.23  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 02:04 | 1       |
| Sodium    | 133    | J B       | 163  | 15.1  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 02:04 | 1       |
| Thallium  | ND     |           | 7.0  | 0.35  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 02:04 | 1       |
| Vanadium  | 17.9   |           | 0.58 | 0.13  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 02:04 | 1       |
| Zinc      | 73.4   |           | 2.3  | 0.74  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 02:04 | 1       |

## Method: 7471B - Mercury (CVAA)

| Analyte | Result | Qualifier | RL    | MDL    | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------|--------|-----------|-------|--------|-------|---|----------------|----------------|---------|
| Mercury | 0.29   |           | 0.021 | 0.0049 | mg/Kg | ☆ | 06/24/21 17:36 | 06/24/21 19:13 | 1       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

Client Sample ID: SS-16-0002

Lab Sample ID: 480-186319-21

Date Collected: 06/21/21 12:15

Matrix: Solid

Date Received: 06/21/21 16:14

Percent Solids: 71.8

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

| Analyte                       | Result | Qualifier | RL    | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|--------|-----------|-------|-------|-------|---|----------------|----------------|---------|
| 2,4,5-Trichlorophenol         | ND     |           | 1200  | 320   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 18:30 | 5       |
| 2,4,6-Trichlorophenol         | ND     |           | 1200  | 230   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 18:30 | 5       |
| 2,4-Dichlorophenol            | ND     |           | 1200  | 120   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 18:30 | 5       |
| 2,4-Dimethylphenol            | ND     |           | 1200  | 280   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 18:30 | 5       |
| 2,4-Dinitrophenol             | ND     |           | 11000 | 5400  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 18:30 | 5       |
| 2,4-Dinitrotoluene            | ND     |           | 1200  | 240   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 18:30 | 5       |
| 2,6-Dinitrotoluene            | ND     |           | 1200  | 140   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 18:30 | 5       |
| 2-Chloronaphthalene           | ND     |           | 1200  | 190   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 18:30 | 5       |
| 2-Chlorophenol                | ND     |           | 2300  | 210   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 18:30 | 5       |
| 2-Methylnaphthalene           | ND     |           | 1200  | 230   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 18:30 | 5       |
| 2-Methylphenol                | ND     |           | 1200  | 140   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 18:30 | 5       |
| 2-Nitroaniline                | ND     |           | 2300  | 170   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 18:30 | 5       |
| 2-Nitrophenol                 | ND     |           | 1200  | 330   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 18:30 | 5       |
| 3,3'-Dichlorobenzidine        | ND     |           | 2300  | 1400  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 18:30 | 5       |
| 3-Nitroaniline                | ND     |           | 2300  | 320   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 18:30 | 5       |
| 4,6-Dinitro-2-methylphenol    | ND     |           | 2300  | 1200  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 18:30 | 5       |
| 4-Bromophenyl phenyl ether    | ND     |           | 1200  | 170   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 18:30 | 5       |
| 4-Chloro-3-methylphenol       | ND     |           | 1200  | 290   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 18:30 | 5       |
| 4-Chloroaniline               | ND     |           | 1200  | 290   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 18:30 | 5       |
| 4-Chlorophenyl phenyl ether   | ND     |           | 1200  | 140   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 18:30 | 5       |
| 4-Methylphenol                | ND     |           | 2300  | 140   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 18:30 | 5       |
| 4-Nitroaniline                | ND     |           | 2300  | 610   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 18:30 | 5       |
| 4-Nitrophenol                 | ND     |           | 2300  | 820   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 18:30 | 5       |
| Acenaphthene                  | ND     |           | 1200  | 170   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 18:30 | 5       |
| Acenaphthylene                | ND     |           | 1200  | 150   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 18:30 | 5       |
| Acetophenone                  | ND     |           | 1200  | 160   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 18:30 | 5       |
| Anthracene                    | ND     |           | 1200  | 290   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 18:30 | 5       |
| Atrazine                      | ND     |           | 1200  | 410   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 18:30 | 5       |
| Benzaldehyde                  | ND     |           | 1200  | 930   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 18:30 | 5       |
| Benzo(a)anthracene            | 430    | J         | 1200  | 120   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 18:30 | 5       |
| Benzo(a)pyrene                | 350    | J         | 1200  | 170   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 18:30 | 5       |
| Benzo(b)fluoranthene          | 500    | J         | 1200  | 190   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 18:30 | 5       |
| Benzo(g,h,i)perylene          | 250    | J         | 1200  | 120   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 18:30 | 5       |
| Benzo(k)fluoranthene          | 220    | J         | 1200  | 150   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 18:30 | 5       |
| Benzoic acid                  | ND     |           | 33000 | 10000 | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 18:30 | 5       |
| Biphenyl                      | ND     |           | 1200  | 170   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 18:30 | 5       |
| bis (2-chloroisopropyl) ether | ND     |           | 1200  | 230   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 18:30 | 5       |
| Bis(2-chloroethoxy)methane    | ND     |           | 1200  | 250   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 18:30 | 5       |
| Bis(2-chloroethyl)ether       | ND     |           | 1200  | 150   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 18:30 | 5       |
| Bis(2-ethylhexyl) phthalate   | ND     |           | 1200  | 400   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 18:30 | 5       |
| Butyl benzyl phthalate        | ND     |           | 1200  | 190   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 18:30 | 5       |
| Caprolactam                   | ND     |           | 1200  | 350   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 18:30 | 5       |
| Carbazole                     | ND     |           | 1200  | 140   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 18:30 | 5       |
| Chrysene                      | 420    | J         | 1200  | 260   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 18:30 | 5       |
| Dibenz(a,h)anthracene         | ND     |           | 1200  | 210   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 18:30 | 5       |
| Dibenzofuran                  | ND     |           | 1200  | 140   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 18:30 | 5       |
| Diethyl phthalate             | ND     |           | 1200  | 150   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 18:30 | 5       |
| Dimethyl phthalate            | ND     |           | 1200  | 140   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 18:30 | 5       |
| Di-n-butyl phthalate          | ND     |           | 1200  | 200   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 18:30 | 5       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

Client Sample ID: SS-16-0002

Lab Sample ID: 480-186319-21

Date Collected: 06/21/21 12:15

Matrix: Solid

Date Received: 06/21/21 16:14

Percent Solids: 71.8

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

| Analyte                       | Result     | Qualifier | RL   | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|------------|-----------|------|------|-------|---|----------------|----------------|---------|
| Di-n-octyl phthalate          | ND         |           | 1200 | 140  | ug/Kg | ☆ | 06/29/21 15:10 | 07/01/21 18:30 | 5       |
| <b>Fluoranthene</b>           | <b>980</b> | <b>J</b>  | 1200 | 120  | ug/Kg | ☆ | 06/29/21 15:10 | 07/01/21 18:30 | 5       |
| Fluorene                      | ND         |           | 1200 | 140  | ug/Kg | ☆ | 06/29/21 15:10 | 07/01/21 18:30 | 5       |
| Hexachlorobenzene             | ND         |           | 1200 | 160  | ug/Kg | ☆ | 06/29/21 15:10 | 07/01/21 18:30 | 5       |
| Hexachlorobutadiene           | ND         |           | 1200 | 170  | ug/Kg | ☆ | 06/29/21 15:10 | 07/01/21 18:30 | 5       |
| Hexachlorocyclopentadiene     | ND         |           | 1200 | 160  | ug/Kg | ☆ | 06/29/21 15:10 | 07/01/21 18:30 | 5       |
| Hexachloroethane              | ND         |           | 1200 | 150  | ug/Kg | ☆ | 06/29/21 15:10 | 07/01/21 18:30 | 5       |
| <b>Indeno(1,2,3-cd)pyrene</b> | <b>240</b> | <b>J</b>  | 1200 | 140  | ug/Kg | ☆ | 06/29/21 15:10 | 07/01/21 18:30 | 5       |
| Isophorone                    | ND         |           | 1200 | 250  | ug/Kg | ☆ | 06/29/21 15:10 | 07/01/21 18:30 | 5       |
| Naphthalene                   | ND         |           | 1200 | 150  | ug/Kg | ☆ | 06/29/21 15:10 | 07/01/21 18:30 | 5       |
| Nitrobenzene                  | ND         |           | 1200 | 130  | ug/Kg | ☆ | 06/29/21 15:10 | 07/01/21 18:30 | 5       |
| N-Nitrosodi-n-propylamine     | ND         |           | 1200 | 200  | ug/Kg | ☆ | 06/29/21 15:10 | 07/01/21 18:30 | 5       |
| N-Nitrosodiphenylamine        | ND         |           | 1200 | 950  | ug/Kg | ☆ | 06/29/21 15:10 | 07/01/21 18:30 | 5       |
| Pentachlorophenol             | ND         |           | 2300 | 1200 | ug/Kg | ☆ | 06/29/21 15:10 | 07/01/21 18:30 | 5       |
| <b>Phenanthrene</b>           | <b>640</b> | <b>J</b>  | 1200 | 170  | ug/Kg | ☆ | 06/29/21 15:10 | 07/01/21 18:30 | 5       |
| Phenol                        | ND         |           | 1200 | 180  | ug/Kg | ☆ | 06/29/21 15:10 | 07/01/21 18:30 | 5       |
| <b>Pyrene</b>                 | <b>780</b> | <b>J</b>  | 1200 | 140  | ug/Kg | ☆ | 06/29/21 15:10 | 07/01/21 18:30 | 5       |

| Surrogate            | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 2,4,6-Tribromophenol | 84        |           | 54 - 120 | 06/29/21 15:10 | 07/01/21 18:30 | 5       |
| 2-Fluorobiphenyl     | 84        |           | 60 - 120 | 06/29/21 15:10 | 07/01/21 18:30 | 5       |
| 2-Fluorophenol       | 69        |           | 52 - 120 | 06/29/21 15:10 | 07/01/21 18:30 | 5       |
| Nitrobenzene-d5      | 72        |           | 53 - 120 | 06/29/21 15:10 | 07/01/21 18:30 | 5       |
| p-Terphenyl-d14      | 94        |           | 79 - 130 | 06/29/21 15:10 | 07/01/21 18:30 | 5       |
| Phenol-d5            | 72        |           | 54 - 120 | 06/29/21 15:10 | 07/01/21 18:30 | 5       |

## Method: 8081B - Organochlorine Pesticides (GC)

| Analyte                | Result      | Qualifier | RL  | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|------------------------|-------------|-----------|-----|------|-------|---|----------------|----------------|---------|
| <b>4,4'-DDD</b>        | <b>2.0</b>  | <b>J</b>  | 2.3 | 0.44 | ug/Kg | ☆ | 06/28/21 15:10 | 06/29/21 16:10 | 1       |
| <b>4,4'-DDE</b>        | <b>2.4</b>  |           | 2.3 | 0.47 | ug/Kg | ☆ | 06/28/21 15:10 | 06/29/21 16:10 | 1       |
| <b>4,4'-DDT</b>        | <b>13</b>   |           | 2.3 | 0.53 | ug/Kg | ☆ | 06/28/21 15:10 | 06/29/21 16:10 | 1       |
| Aldrin                 | ND          |           | 2.3 | 0.56 | ug/Kg | ☆ | 06/28/21 15:10 | 06/29/21 16:10 | 1       |
| alpha-BHC              | ND          |           | 2.3 | 0.41 | ug/Kg | ☆ | 06/28/21 15:10 | 06/29/21 16:10 | 1       |
| beta-BHC               | ND          |           | 2.3 | 0.41 | ug/Kg | ☆ | 06/28/21 15:10 | 06/29/21 16:10 | 1       |
| cis-Chlordane          | ND          |           | 2.3 | 1.1  | ug/Kg | ☆ | 06/28/21 15:10 | 06/29/21 16:10 | 1       |
| delta-BHC              | ND          |           | 2.3 | 0.42 | ug/Kg | ☆ | 06/28/21 15:10 | 06/29/21 16:10 | 1       |
| <b>Dieldrin</b>        | <b>2.4</b>  |           | 2.3 | 0.54 | ug/Kg | ☆ | 06/28/21 15:10 | 06/29/21 16:10 | 1       |
| Endosulfan I           | ND          |           | 2.3 | 0.43 | ug/Kg | ☆ | 06/28/21 15:10 | 06/29/21 16:10 | 1       |
| Endosulfan II          | ND          |           | 2.3 | 0.41 | ug/Kg | ☆ | 06/28/21 15:10 | 06/29/21 16:10 | 1       |
| Endosulfan sulfate     | ND          |           | 2.3 | 0.42 | ug/Kg | ☆ | 06/28/21 15:10 | 06/29/21 16:10 | 1       |
| <b>Endrin</b>          | <b>0.64</b> | <b>J</b>  | 2.3 | 0.45 | ug/Kg | ☆ | 06/28/21 15:10 | 06/29/21 16:10 | 1       |
| <b>Endrin aldehyde</b> | <b>2.7</b>  |           | 2.3 | 0.58 | ug/Kg | ☆ | 06/28/21 15:10 | 06/29/21 16:10 | 1       |
| Endrin ketone          | ND          |           | 2.3 | 0.56 | ug/Kg | ☆ | 06/28/21 15:10 | 06/29/21 16:10 | 1       |
| gamma-BHC (Lindane)    | ND          |           | 2.3 | 0.42 | ug/Kg | ☆ | 06/28/21 15:10 | 06/29/21 16:10 | 1       |
| Heptachlor             | ND          |           | 2.3 | 0.49 | ug/Kg | ☆ | 06/28/21 15:10 | 06/29/21 16:10 | 1       |
| Heptachlor epoxide     | ND          |           | 2.3 | 0.58 | ug/Kg | ☆ | 06/28/21 15:10 | 06/29/21 16:10 | 1       |
| <b>Methoxychlor</b>    | <b>1.3</b>  | <b>J</b>  | 2.3 | 0.46 | ug/Kg | ☆ | 06/28/21 15:10 | 06/29/21 16:10 | 1       |
| <b>Mirex</b>           | <b>1.2</b>  | <b>J</b>  | 2.3 | 0.55 | ug/Kg | ☆ | 06/28/21 15:10 | 06/29/21 16:10 | 1       |
| Toxaphene              | ND          |           | 23  | 13   | ug/Kg | ☆ | 06/28/21 15:10 | 06/29/21 16:10 | 1       |
| <b>trans-Chlordane</b> | <b>1.9</b>  | <b>J</b>  | 2.3 | 0.72 | ug/Kg | ☆ | 06/28/21 15:10 | 06/29/21 16:10 | 1       |

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# Client Sample Results

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Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

Client Sample ID: SS-16-0002

Lab Sample ID: 480-186319-21

Date Collected: 06/21/21 12:15

Matrix: Solid

Date Received: 06/21/21 16:14

Percent Solids: 71.8

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| DCB Decachlorobiphenyl | 78        |           | 45 - 120 | 06/28/21 15:10 | 06/29/21 16:10 | 1       |
| DCB Decachlorobiphenyl | 116       |           | 45 - 120 | 06/28/21 15:10 | 06/29/21 16:10 | 1       |
| Tetrachloro-m-xylene   | 65        |           | 30 - 124 | 06/28/21 15:10 | 06/29/21 16:10 | 1       |
| Tetrachloro-m-xylene   | 52        |           | 30 - 124 | 06/28/21 15:10 | 06/29/21 16:10 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| PCB-1016 | ND     |           | 0.32 | 0.062 | mg/Kg | ☆ | 06/29/21 08:04 | 06/30/21 05:49 | 1       |
| PCB-1221 | ND     |           | 0.32 | 0.062 | mg/Kg | ☆ | 06/29/21 08:04 | 06/30/21 05:49 | 1       |
| PCB-1232 | ND     |           | 0.32 | 0.062 | mg/Kg | ☆ | 06/29/21 08:04 | 06/30/21 05:49 | 1       |
| PCB-1242 | ND     |           | 0.32 | 0.062 | mg/Kg | ☆ | 06/29/21 08:04 | 06/30/21 05:49 | 1       |
| PCB-1248 | ND     |           | 0.32 | 0.062 | mg/Kg | ☆ | 06/29/21 08:04 | 06/30/21 05:49 | 1       |
| PCB-1254 | ND     |           | 0.32 | 0.15  | mg/Kg | ☆ | 06/29/21 08:04 | 06/30/21 05:49 | 1       |
| PCB-1260 | 0.32   |           | 0.32 | 0.15  | mg/Kg | ☆ | 06/29/21 08:04 | 06/30/21 05:49 | 1       |
| PCB-1262 | ND     |           | 0.32 | 0.15  | mg/Kg | ☆ | 06/29/21 08:04 | 06/30/21 05:49 | 1       |
| PCB-1268 | ND     |           | 0.32 | 0.15  | mg/Kg | ☆ | 06/29/21 08:04 | 06/30/21 05:49 | 1       |

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| Tetrachloro-m-xylene   | 132       |           | 60 - 154 | 06/29/21 08:04 | 06/30/21 05:49 | 1       |
| Tetrachloro-m-xylene   | 135       |           | 60 - 154 | 06/29/21 08:04 | 06/30/21 05:49 | 1       |
| DCB Decachlorobiphenyl | 121       |           | 65 - 174 | 06/29/21 08:04 | 06/30/21 05:49 | 1       |
| DCB Decachlorobiphenyl | 98        |           | 65 - 174 | 06/29/21 08:04 | 06/30/21 05:49 | 1       |

## Method: 6010C - Metals (ICP)

| Analyte   | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| Aluminum  | 13200  |           | 14.5 | 6.4   | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 02:08 | 1       |
| Antimony  | 1.5    | J         | 21.7 | 0.58  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 02:08 | 1       |
| Arsenic   | 4.3    |           | 2.9  | 0.58  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 02:08 | 1       |
| Barium    | 164    | ^6+       | 0.72 | 0.16  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 02:08 | 1       |
| Beryllium | 0.61   |           | 0.29 | 0.041 | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 02:08 | 1       |
| Cadmium   | 4.6    |           | 0.29 | 0.043 | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 02:08 | 1       |
| Calcium   | 25300  | B         | 72.4 | 4.8   | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 02:08 | 1       |
| Chromium  | 37.7   |           | 0.72 | 0.29  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 02:08 | 1       |
| Cobalt    | 9.3    |           | 0.72 | 0.072 | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 02:08 | 1       |
| Copper    | 81.1   |           | 1.4  | 0.30  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 02:08 | 1       |
| Iron      | 24000  |           | 14.5 | 5.1   | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 02:08 | 1       |
| Lead      | 125    |           | 1.4  | 0.35  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 02:08 | 1       |
| Magnesium | 10900  | B         | 29.0 | 1.3   | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 02:08 | 1       |
| Manganese | 423    | B         | 0.29 | 0.046 | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 02:08 | 1       |
| Nickel    | 35.0   |           | 7.2  | 0.33  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 02:08 | 1       |
| Potassium | 3170   | B         | 43.4 | 29.0  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 02:08 | 1       |
| Selenium  | ND     |           | 5.8  | 0.58  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 02:08 | 1       |
| Silver    | 4.9    |           | 0.87 | 0.29  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 02:08 | 1       |
| Sodium    | 183    | J B       | 203  | 18.8  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 02:08 | 1       |
| Thallium  | ND     |           | 8.7  | 0.43  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 02:08 | 1       |
| Vanadium  | 29.6   |           | 0.72 | 0.16  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 02:08 | 1       |
| Zinc      | 316    |           | 2.9  | 0.93  | mg/Kg | ☆ | 06/23/21 10:16 | 06/25/21 02:08 | 1       |

## Method: 7471B - Mercury (CVAA)

| Analyte | Result | Qualifier | RL    | MDL    | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------|--------|-----------|-------|--------|-------|---|----------------|----------------|---------|
| Mercury | 0.90   |           | 0.027 | 0.0062 | mg/Kg | ☆ | 06/24/21 17:36 | 06/24/21 19:15 | 1       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

Client Sample ID: SS-16-0212

Lab Sample ID: 480-186319-22

Date Collected: 06/21/21 12:20

Matrix: Solid

Date Received: 06/21/21 16:14

Percent Solids: 72.6

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

| Analyte                       | Result | Qualifier | RL    | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|--------|-----------|-------|-------|-------|---|----------------|----------------|---------|
| 2,4,5-Trichlorophenol         | ND     |           | 1200  | 310   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 18:54 | 5       |
| 2,4,6-Trichlorophenol         | ND     |           | 1200  | 230   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 18:54 | 5       |
| 2,4-Dichlorophenol            | ND     |           | 1200  | 120   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 18:54 | 5       |
| 2,4-Dimethylphenol            | ND     |           | 1200  | 280   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 18:54 | 5       |
| 2,4-Dinitrophenol             | ND     |           | 11000 | 5300  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 18:54 | 5       |
| 2,4-Dinitrotoluene            | ND     |           | 1200  | 240   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 18:54 | 5       |
| 2,6-Dinitrotoluene            | ND     |           | 1200  | 140   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 18:54 | 5       |
| 2-Chloronaphthalene           | ND     |           | 1200  | 190   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 18:54 | 5       |
| 2-Chlorophenol                | ND     |           | 2200  | 210   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 18:54 | 5       |
| 2-Methylnaphthalene           | ND     |           | 1200  | 230   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 18:54 | 5       |
| 2-Methylphenol                | ND     |           | 1200  | 140   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 18:54 | 5       |
| 2-Nitroaniline                | ND     |           | 2200  | 170   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 18:54 | 5       |
| 2-Nitrophenol                 | ND     |           | 1200  | 330   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 18:54 | 5       |
| 3,3'-Dichlorobenzidine        | ND     |           | 2200  | 1400  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 18:54 | 5       |
| 3-Nitroaniline                | ND     |           | 2200  | 320   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 18:54 | 5       |
| 4,6-Dinitro-2-methylphenol    | ND     |           | 2200  | 1200  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 18:54 | 5       |
| 4-Bromophenyl phenyl ether    | ND     |           | 1200  | 160   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 18:54 | 5       |
| 4-Chloro-3-methylphenol       | ND     |           | 1200  | 290   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 18:54 | 5       |
| 4-Chloroaniline               | ND     |           | 1200  | 290   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 18:54 | 5       |
| 4-Chlorophenyl phenyl ether   | ND     |           | 1200  | 140   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 18:54 | 5       |
| 4-Methylphenol                | ND     |           | 2200  | 140   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 18:54 | 5       |
| 4-Nitroaniline                | ND     |           | 2200  | 610   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 18:54 | 5       |
| 4-Nitrophenol                 | ND     |           | 2200  | 810   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 18:54 | 5       |
| Acenaphthene                  | ND     |           | 1200  | 170   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 18:54 | 5       |
| Acenaphthylene                | ND     |           | 1200  | 150   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 18:54 | 5       |
| Acetophenone                  | ND     |           | 1200  | 160   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 18:54 | 5       |
| Anthracene                    | ND     |           | 1200  | 290   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 18:54 | 5       |
| Atrazine                      | ND     |           | 1200  | 400   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 18:54 | 5       |
| Benzaldehyde                  | ND     |           | 1200  | 920   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 18:54 | 5       |
| Benzo(a)anthracene            | 510    | J         | 1200  | 120   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 18:54 | 5       |
| Benzo(a)pyrene                | 520    | J         | 1200  | 170   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 18:54 | 5       |
| Benzo(b)fluoranthene          | 700    | J         | 1200  | 180   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 18:54 | 5       |
| Benzo(g,h,i)perylene          | 440    | J         | 1200  | 120   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 18:54 | 5       |
| Benzo(k)fluoranthene          | 260    | J         | 1200  | 150   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 18:54 | 5       |
| Benzoic acid                  | ND     |           | 33000 | 10000 | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 18:54 | 5       |
| Biphenyl                      | ND     |           | 1200  | 170   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 18:54 | 5       |
| bis (2-chloroisopropyl) ether | ND     |           | 1200  | 230   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 18:54 | 5       |
| Bis(2-chloroethoxy)methane    | ND     |           | 1200  | 240   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 18:54 | 5       |
| Bis(2-chloroethyl)ether       | ND     |           | 1200  | 150   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 18:54 | 5       |
| Bis(2-ethylhexyl) phthalate   | ND     |           | 1200  | 390   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 18:54 | 5       |
| Butyl benzyl phthalate        | ND     |           | 1200  | 190   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 18:54 | 5       |
| Caprolactam                   | ND     |           | 1200  | 350   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 18:54 | 5       |
| Carbazole                     | ND     |           | 1200  | 140   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 18:54 | 5       |
| Chrysene                      | 510    | J         | 1200  | 260   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 18:54 | 5       |
| Dibenz(a,h)anthracene         | ND     |           | 1200  | 200   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 18:54 | 5       |
| Dibenzofuran                  | ND     |           | 1200  | 140   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 18:54 | 5       |
| Diethyl phthalate             | ND     |           | 1200  | 150   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 18:54 | 5       |
| Dimethyl phthalate            | ND     |           | 1200  | 140   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 18:54 | 5       |
| Di-n-butyl phthalate          | ND     |           | 1200  | 200   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 18:54 | 5       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

Client Sample ID: SS-16-0212

Lab Sample ID: 480-186319-22

Date Collected: 06/21/21 12:20

Matrix: Solid

Date Received: 06/21/21 16:14

Percent Solids: 72.6

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

| Analyte                       | Result      | Qualifier | RL   | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|-------------|-----------|------|------|-------|---|----------------|----------------|---------|
| Di-n-octyl phthalate          | ND          |           | 1200 | 140  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 18:54 | 5       |
| <b>Fluoranthene</b>           | <b>1000</b> | <b>J</b>  | 1200 | 120  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 18:54 | 5       |
| Fluorene                      | ND          |           | 1200 | 140  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 18:54 | 5       |
| Hexachlorobenzene             | ND          |           | 1200 | 160  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 18:54 | 5       |
| Hexachlorobutadiene           | ND          |           | 1200 | 170  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 18:54 | 5       |
| Hexachlorocyclopentadiene     | ND          |           | 1200 | 160  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 18:54 | 5       |
| Hexachloroethane              | ND          |           | 1200 | 150  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 18:54 | 5       |
| <b>Indeno(1,2,3-cd)pyrene</b> | <b>360</b>  | <b>J</b>  | 1200 | 140  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 18:54 | 5       |
| Isophorone                    | ND          |           | 1200 | 240  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 18:54 | 5       |
| Naphthalene                   | ND          |           | 1200 | 150  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 18:54 | 5       |
| Nitrobenzene                  | ND          |           | 1200 | 130  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 18:54 | 5       |
| N-Nitrosodi-n-propylamine     | ND          |           | 1200 | 200  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 18:54 | 5       |
| N-Nitrosodiphenylamine        | ND          |           | 1200 | 940  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 18:54 | 5       |
| Pentachlorophenol             | ND          |           | 2200 | 1200 | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 18:54 | 5       |
| <b>Phenanthrene</b>           | <b>630</b>  | <b>J</b>  | 1200 | 170  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 18:54 | 5       |
| Phenol                        | ND          |           | 1200 | 180  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 18:54 | 5       |
| <b>Pyrene</b>                 | <b>820</b>  | <b>J</b>  | 1200 | 140  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 18:54 | 5       |

| Surrogate            | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 2,4,6-Tribromophenol | 73        |           | 54 - 120 | 06/29/21 15:10 | 07/01/21 18:54 | 5       |
| 2-Fluorobiphenyl     | 74        |           | 60 - 120 | 06/29/21 15:10 | 07/01/21 18:54 | 5       |
| 2-Fluorophenol       | 70        |           | 52 - 120 | 06/29/21 15:10 | 07/01/21 18:54 | 5       |
| Nitrobenzene-d5      | 70        |           | 53 - 120 | 06/29/21 15:10 | 07/01/21 18:54 | 5       |
| p-Terphenyl-d14      | 84        |           | 79 - 130 | 06/29/21 15:10 | 07/01/21 18:54 | 5       |
| Phenol-d5            | 69        |           | 54 - 120 | 06/29/21 15:10 | 07/01/21 18:54 | 5       |

## Method: 8081B - Organochlorine Pesticides (GC)

| Analyte                | Result     | Qualifier | RL  | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|------------------------|------------|-----------|-----|-----|-------|---|----------------|----------------|---------|
| <b>4,4'-DDD</b>        | <b>6.2</b> | <b>J</b>  | 23  | 4.4 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 16:29 | 10      |
| <b>4,4'-DDE</b>        | <b>9.5</b> | <b>J</b>  | 23  | 4.7 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 16:29 | 10      |
| <b>4,4'-DDT</b>        | <b>42</b>  |           | 23  | 5.3 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 16:29 | 10      |
| Aldrin                 | ND         |           | 23  | 5.6 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 16:29 | 10      |
| alpha-BHC              | ND         |           | 23  | 4.1 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 16:29 | 10      |
| beta-BHC               | ND         |           | 23  | 4.1 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 16:29 | 10      |
| cis-Chlordane          | ND         |           | 23  | 11  | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 16:29 | 10      |
| delta-BHC              | ND         |           | 23  | 4.2 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 16:29 | 10      |
| <b>Dieldrin</b>        | <b>25</b>  |           | 23  | 5.4 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 16:29 | 10      |
| Endosulfan I           | ND         |           | 23  | 4.3 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 16:29 | 10      |
| Endosulfan II          | ND         |           | 23  | 4.1 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 16:29 | 10      |
| Endosulfan sulfate     | ND         |           | 23  | 4.2 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 16:29 | 10      |
| Endrin                 | ND         |           | 23  | 4.5 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 16:29 | 10      |
| Endrin aldehyde        | ND         |           | 23  | 5.8 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 16:29 | 10      |
| Endrin ketone          | ND         |           | 23  | 5.6 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 16:29 | 10      |
| gamma-BHC (Lindane)    | ND         |           | 23  | 4.1 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 16:29 | 10      |
| Heptachlor             | ND         |           | 23  | 4.9 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 16:29 | 10      |
| Heptachlor epoxide     | ND         |           | 23  | 5.8 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 16:29 | 10      |
| <b>Methoxychlor</b>    | <b>6.8</b> | <b>J</b>  | 23  | 4.6 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 16:29 | 10      |
| Mirex                  | ND         |           | 23  | 5.5 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 16:29 | 10      |
| Toxaphene              | ND         |           | 230 | 130 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 16:29 | 10      |
| <b>trans-Chlordane</b> | <b>7.7</b> | <b>J</b>  | 23  | 7.2 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 16:29 | 10      |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

Client Sample ID: SS-16-0212

Lab Sample ID: 480-186319-22

Date Collected: 06/21/21 12:20

Matrix: Solid

Date Received: 06/21/21 16:14

Percent Solids: 72.6

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| DCB Decachlorobiphenyl | 126       | S1+       | 45 - 120 | 06/28/21 15:10 | 06/29/21 16:29 | 10      |
| DCB Decachlorobiphenyl | 119       |           | 45 - 120 | 06/28/21 15:10 | 06/29/21 16:29 | 10      |
| Tetrachloro-m-xylene   | 0         | S1-       | 30 - 124 | 06/28/21 15:10 | 06/29/21 16:29 | 10      |
| Tetrachloro-m-xylene   | 0         | S1-       | 30 - 124 | 06/28/21 15:10 | 06/29/21 16:29 | 10      |

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

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| PCB-1016 | ND     |           | 0.27 | 0.052 | mg/Kg | ☆ | 06/29/21 08:04 | 06/30/21 06:02 | 1       |
| PCB-1221 | ND     |           | 0.27 | 0.052 | mg/Kg | ☆ | 06/29/21 08:04 | 06/30/21 06:02 | 1       |
| PCB-1232 | ND     |           | 0.27 | 0.052 | mg/Kg | ☆ | 06/29/21 08:04 | 06/30/21 06:02 | 1       |
| PCB-1242 | ND     |           | 0.27 | 0.052 | mg/Kg | ☆ | 06/29/21 08:04 | 06/30/21 06:02 | 1       |
| PCB-1248 | ND     |           | 0.27 | 0.052 | mg/Kg | ☆ | 06/29/21 08:04 | 06/30/21 06:02 | 1       |
| PCB-1254 | ND     |           | 0.27 | 0.13  | mg/Kg | ☆ | 06/29/21 08:04 | 06/30/21 06:02 | 1       |
| PCB-1260 | 0.55   |           | 0.27 | 0.13  | mg/Kg | ☆ | 06/29/21 08:04 | 06/30/21 06:02 | 1       |
| PCB-1262 | ND     |           | 0.27 | 0.13  | mg/Kg | ☆ | 06/29/21 08:04 | 06/30/21 06:02 | 1       |
| PCB-1268 | ND     |           | 0.27 | 0.13  | mg/Kg | ☆ | 06/29/21 08:04 | 06/30/21 06:02 | 1       |

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| Tetrachloro-m-xylene   | 118       |           | 60 - 154 | 06/29/21 08:04 | 06/30/21 06:02 | 1       |
| Tetrachloro-m-xylene   | 125       |           | 60 - 154 | 06/29/21 08:04 | 06/30/21 06:02 | 1       |
| DCB Decachlorobiphenyl | 120       |           | 65 - 174 | 06/29/21 08:04 | 06/30/21 06:02 | 1       |
| DCB Decachlorobiphenyl | 103       |           | 65 - 174 | 06/29/21 08:04 | 06/30/21 06:02 | 1       |

## Method: 6010C - Metals (ICP)

| Analyte   | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| Aluminum  | 21100  |           | 13.6 | 6.0   | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 14:48 | 1       |
| Antimony  | 3.9    | J         | 20.4 | 0.54  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 14:48 | 1       |
| Arsenic   | 7.2    |           | 2.7  | 0.54  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 14:48 | 1       |
| Barium    | 279    | ^6+       | 0.68 | 0.15  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 14:48 | 1       |
| Beryllium | 0.70   |           | 0.27 | 0.038 | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 14:48 | 1       |
| Cadmium   | 9.2    |           | 0.27 | 0.041 | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 14:48 | 1       |
| Calcium   | 22500  | B         | 67.9 | 4.5   | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 14:48 | 1       |
| Chromium  | 71.8   |           | 0.68 | 0.27  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 14:48 | 1       |
| Cobalt    | 11.2   |           | 0.68 | 0.068 | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 14:48 | 1       |
| Copper    | 189    |           | 1.4  | 0.29  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 14:48 | 1       |
| Iron      | 41200  | B ^+      | 13.6 | 4.8   | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 14:48 | 1       |
| Lead      | 373    |           | 1.4  | 0.33  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 14:48 | 1       |
| Magnesium | 10200  | B         | 27.1 | 1.3   | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 14:48 | 1       |
| Manganese | 489    | B         | 0.27 | 0.043 | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 14:48 | 1       |
| Nickel    | 57.6   |           | 6.8  | 0.31  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 14:48 | 1       |
| Potassium | 2870   |           | 40.7 | 27.1  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 14:48 | 1       |
| Selenium  | 4.1    | J         | 5.4  | 0.54  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 14:48 | 1       |
| Silver    | 10.4   |           | 0.81 | 0.27  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 14:48 | 1       |
| Sodium    | 173    | J         | 190  | 17.6  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 14:48 | 1       |
| Thallium  | ND     |           | 8.1  | 0.41  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 14:48 | 1       |
| Vanadium  | 31.0   |           | 0.68 | 0.15  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 14:48 | 1       |
| Zinc      | 651    |           | 2.7  | 0.87  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 14:48 | 1       |

## Method: 7471B - Mercury (CVAA)

| Analyte | Result | Qualifier | RL    | MDL    | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------|--------|-----------|-------|--------|-------|---|----------------|----------------|---------|
| Mercury | 1.4    |           | 0.026 | 0.0060 | mg/Kg | ☆ | 06/24/21 17:36 | 06/24/21 19:16 | 1       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

Client Sample ID: SS-17-0002

Lab Sample ID: 480-186319-23

Date Collected: 06/21/21 12:25

Matrix: Solid

Date Received: 06/21/21 16:14

Percent Solids: 75.8

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

| Analyte                       | Result | Qualifier | RL    | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|--------|-----------|-------|------|-------|---|----------------|----------------|---------|
| 2,4,5-Trichlorophenol         | ND     |           | 1100  | 300  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 19:18 | 5       |
| 2,4,6-Trichlorophenol         | ND     |           | 1100  | 220  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 19:18 | 5       |
| 2,4-Dichlorophenol            | ND     |           | 1100  | 120  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 19:18 | 5       |
| 2,4-Dimethylphenol            | ND     |           | 1100  | 270  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 19:18 | 5       |
| 2,4-Dinitrophenol             | ND     |           | 11000 | 5200 | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 19:18 | 5       |
| 2,4-Dinitrotoluene            | ND     |           | 1100  | 230  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 19:18 | 5       |
| 2,6-Dinitrotoluene            | ND     |           | 1100  | 130  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 19:18 | 5       |
| 2-Chloronaphthalene           | ND     |           | 1100  | 180  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 19:18 | 5       |
| 2-Chlorophenol                | ND     |           | 2200  | 200  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 19:18 | 5       |
| 2-Methylnaphthalene           | ND     |           | 1100  | 220  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 19:18 | 5       |
| 2-Methylphenol                | ND     |           | 1100  | 130  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 19:18 | 5       |
| 2-Nitroaniline                | ND     |           | 2200  | 160  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 19:18 | 5       |
| 2-Nitrophenol                 | ND     |           | 1100  | 320  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 19:18 | 5       |
| 3,3'-Dichlorobenzidine        | ND     |           | 2200  | 1300 | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 19:18 | 5       |
| 3-Nitroaniline                | ND     |           | 2200  | 310  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 19:18 | 5       |
| 4,6-Dinitro-2-methylphenol    | ND     |           | 2200  | 1100 | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 19:18 | 5       |
| 4-Bromophenyl phenyl ether    | ND     |           | 1100  | 160  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 19:18 | 5       |
| 4-Chloro-3-methylphenol       | ND     |           | 1100  | 280  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 19:18 | 5       |
| 4-Chloroaniline               | ND     |           | 1100  | 280  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 19:18 | 5       |
| 4-Chlorophenyl phenyl ether   | ND     |           | 1100  | 140  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 19:18 | 5       |
| 4-Methylphenol                | ND     |           | 2200  | 130  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 19:18 | 5       |
| 4-Nitroaniline                | ND     |           | 2200  | 590  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 19:18 | 5       |
| 4-Nitrophenol                 | ND     |           | 2200  | 780  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 19:18 | 5       |
| Acenaphthene                  | ND     |           | 1100  | 160  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 19:18 | 5       |
| Acenaphthylene                | ND     |           | 1100  | 140  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 19:18 | 5       |
| Acetophenone                  | ND     |           | 1100  | 150  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 19:18 | 5       |
| Anthracene                    | ND     |           | 1100  | 280  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 19:18 | 5       |
| Atrazine                      | ND     |           | 1100  | 390  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 19:18 | 5       |
| Benzaldehyde                  | ND     |           | 1100  | 890  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 19:18 | 5       |
| Benzo(a)anthracene            | 300    | J         | 1100  | 110  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 19:18 | 5       |
| Benzo(a)pyrene                | 290    | J         | 1100  | 160  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 19:18 | 5       |
| Benzo(b)fluoranthene          | 430    | J         | 1100  | 180  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 19:18 | 5       |
| Benzo(g,h,i)perylene          | 250    | J         | 1100  | 120  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 19:18 | 5       |
| Benzo(k)fluoranthene          | 140    | J         | 1100  | 140  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 19:18 | 5       |
| Benzoic acid                  | ND     |           | 32000 | 9900 | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 19:18 | 5       |
| Biphenyl                      | ND     |           | 1100  | 160  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 19:18 | 5       |
| bis (2-chloroisopropyl) ether | ND     |           | 1100  | 220  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 19:18 | 5       |
| Bis(2-chloroethoxy)methane    | ND     |           | 1100  | 240  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 19:18 | 5       |
| Bis(2-chloroethyl)ether       | ND     |           | 1100  | 140  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 19:18 | 5       |
| Bis(2-ethylhexyl) phthalate   | ND     |           | 1100  | 380  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 19:18 | 5       |
| Butyl benzyl phthalate        | ND     |           | 1100  | 180  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 19:18 | 5       |
| Caprolactam                   | ND     |           | 1100  | 340  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 19:18 | 5       |
| Carbazole                     | ND     |           | 1100  | 130  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 19:18 | 5       |
| Chrysene                      | 370    | J         | 1100  | 250  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 19:18 | 5       |
| Dibenz(a,h)anthracene         | ND     |           | 1100  | 200  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 19:18 | 5       |
| Dibenzofuran                  | ND     |           | 1100  | 130  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 19:18 | 5       |
| Diethyl phthalate             | ND     |           | 1100  | 140  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 19:18 | 5       |
| Dimethyl phthalate            | ND     |           | 1100  | 130  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 19:18 | 5       |
| Di-n-butyl phthalate          | ND     |           | 1100  | 190  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 19:18 | 5       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

Client Sample ID: SS-17-0002

Lab Sample ID: 480-186319-23

Date Collected: 06/21/21 12:25

Matrix: Solid

Date Received: 06/21/21 16:14

Percent Solids: 75.8

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

| Analyte                       | Result     | Qualifier | RL   | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|------------|-----------|------|------|-------|---|----------------|----------------|---------|
| Di-n-octyl phthalate          | ND         |           | 1100 | 130  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 19:18 | 5       |
| <b>Fluoranthene</b>           | <b>620</b> | <b>J</b>  | 1100 | 120  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 19:18 | 5       |
| Fluorene                      | ND         |           | 1100 | 130  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 19:18 | 5       |
| Hexachlorobenzene             | ND         |           | 1100 | 150  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 19:18 | 5       |
| Hexachlorobutadiene           | ND         |           | 1100 | 160  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 19:18 | 5       |
| Hexachlorocyclopentadiene     | ND         |           | 1100 | 150  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 19:18 | 5       |
| Hexachloroethane              | ND         |           | 1100 | 140  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 19:18 | 5       |
| <b>Indeno(1,2,3-cd)pyrene</b> | <b>210</b> | <b>J</b>  | 1100 | 140  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 19:18 | 5       |
| Isophorone                    | ND         |           | 1100 | 240  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 19:18 | 5       |
| Naphthalene                   | ND         |           | 1100 | 140  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 19:18 | 5       |
| Nitrobenzene                  | ND         |           | 1100 | 120  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 19:18 | 5       |
| N-Nitrosodi-n-propylamine     | ND         |           | 1100 | 190  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 19:18 | 5       |
| N-Nitrosodiphenylamine        | ND         |           | 1100 | 910  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 19:18 | 5       |
| Pentachlorophenol             | ND         |           | 2200 | 1100 | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 19:18 | 5       |
| <b>Phenanthrene</b>           | <b>390</b> | <b>J</b>  | 1100 | 160  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 19:18 | 5       |
| Phenol                        | ND         |           | 1100 | 170  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 19:18 | 5       |
| <b>Pyrene</b>                 | <b>530</b> | <b>J</b>  | 1100 | 130  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 19:18 | 5       |

| Surrogate            | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 2,4,6-Tribromophenol | 86        |           | 54 - 120 | 06/29/21 15:10 | 07/01/21 19:18 | 5       |
| 2-Fluorobiphenyl     | 87        |           | 60 - 120 | 06/29/21 15:10 | 07/01/21 19:18 | 5       |
| 2-Fluorophenol       | 79        |           | 52 - 120 | 06/29/21 15:10 | 07/01/21 19:18 | 5       |
| Nitrobenzene-d5      | 85        |           | 53 - 120 | 06/29/21 15:10 | 07/01/21 19:18 | 5       |
| p-Terphenyl-d14      | 92        |           | 79 - 130 | 06/29/21 15:10 | 07/01/21 19:18 | 5       |
| Phenol-d5            | 81        |           | 54 - 120 | 06/29/21 15:10 | 07/01/21 19:18 | 5       |

## Method: 8081B - Organochlorine Pesticides (GC)

| Analyte                | Result      | Qualifier | RL  | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|------------------------|-------------|-----------|-----|------|-------|---|----------------|----------------|---------|
| 4,4'-DDD               | ND          |           | 2.2 | 0.42 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 16:49 | 1       |
| <b>4,4'-DDE</b>        | <b>1.6</b>  | <b>J</b>  | 2.2 | 0.45 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 16:49 | 1       |
| 4,4'-DDT               | ND          |           | 2.2 | 0.50 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 16:49 | 1       |
| Aldrin                 | ND          |           | 2.2 | 0.53 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 16:49 | 1       |
| alpha-BHC              | ND          |           | 2.2 | 0.39 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 16:49 | 1       |
| beta-BHC               | ND          |           | 2.2 | 0.39 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 16:49 | 1       |
| cis-Chlordane          | ND          |           | 2.2 | 1.1  | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 16:49 | 1       |
| delta-BHC              | ND          |           | 2.2 | 0.40 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 16:49 | 1       |
| <b>Dieldrin</b>        | <b>2.5</b>  |           | 2.2 | 0.52 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 16:49 | 1       |
| Endosulfan I           | ND          |           | 2.2 | 0.41 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 16:49 | 1       |
| Endosulfan II          | ND          |           | 2.2 | 0.39 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 16:49 | 1       |
| Endosulfan sulfate     | ND          |           | 2.2 | 0.40 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 16:49 | 1       |
| <b>Endrin</b>          | <b>1.5</b>  | <b>J</b>  | 2.2 | 0.42 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 16:49 | 1       |
| <b>Endrin aldehyde</b> | <b>3.4</b>  |           | 2.2 | 0.55 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 16:49 | 1       |
| Endrin ketone          | ND          |           | 2.2 | 0.53 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 16:49 | 1       |
| gamma-BHC (Lindane)    | ND          |           | 2.2 | 0.39 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 16:49 | 1       |
| Heptachlor             | ND          |           | 2.2 | 0.46 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 16:49 | 1       |
| Heptachlor epoxide     | ND          |           | 2.2 | 0.55 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 16:49 | 1       |
| Methoxychlor           | ND          |           | 2.2 | 0.44 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 16:49 | 1       |
| <b>Mirex</b>           | <b>0.96</b> | <b>J</b>  | 2.2 | 0.53 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 16:49 | 1       |
| Toxaphene              | ND          |           | 22  | 12   | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 16:49 | 1       |
| <b>trans-Chlordane</b> | <b>1.5</b>  | <b>J</b>  | 2.2 | 0.68 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 16:49 | 1       |

Eurofins TestAmerica, Buffalo

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

Client Sample ID: SS-17-0002

Lab Sample ID: 480-186319-23

Date Collected: 06/21/21 12:25

Matrix: Solid

Date Received: 06/21/21 16:14

Percent Solids: 75.8

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| DCB Decachlorobiphenyl | 82        |           | 45 - 120 | 06/28/21 15:10 | 06/29/21 16:49 | 1       |
| DCB Decachlorobiphenyl | 91        |           | 45 - 120 | 06/28/21 15:10 | 06/29/21 16:49 | 1       |
| Tetrachloro-m-xylene   | 64        |           | 30 - 124 | 06/28/21 15:10 | 06/29/21 16:49 | 1       |
| Tetrachloro-m-xylene   | 54        |           | 30 - 124 | 06/28/21 15:10 | 06/29/21 16:49 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| PCB-1016 | ND     |           | 0.33 | 0.064 | mg/Kg | ☆ | 06/29/21 08:04 | 06/30/21 06:15 | 1       |
| PCB-1221 | ND     |           | 0.33 | 0.064 | mg/Kg | ☆ | 06/29/21 08:04 | 06/30/21 06:15 | 1       |
| PCB-1232 | ND     |           | 0.33 | 0.064 | mg/Kg | ☆ | 06/29/21 08:04 | 06/30/21 06:15 | 1       |
| PCB-1242 | ND     |           | 0.33 | 0.064 | mg/Kg | ☆ | 06/29/21 08:04 | 06/30/21 06:15 | 1       |
| PCB-1248 | ND     |           | 0.33 | 0.064 | mg/Kg | ☆ | 06/29/21 08:04 | 06/30/21 06:15 | 1       |
| PCB-1254 | ND     |           | 0.33 | 0.15  | mg/Kg | ☆ | 06/29/21 08:04 | 06/30/21 06:15 | 1       |
| PCB-1260 | 0.37   |           | 0.33 | 0.15  | mg/Kg | ☆ | 06/29/21 08:04 | 06/30/21 06:15 | 1       |
| PCB-1262 | ND     |           | 0.33 | 0.15  | mg/Kg | ☆ | 06/29/21 08:04 | 06/30/21 06:15 | 1       |
| PCB-1268 | ND     |           | 0.33 | 0.15  | mg/Kg | ☆ | 06/29/21 08:04 | 06/30/21 06:15 | 1       |

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| Tetrachloro-m-xylene   | 124       |           | 60 - 154 | 06/29/21 08:04 | 06/30/21 06:15 | 1       |
| Tetrachloro-m-xylene   | 128       |           | 60 - 154 | 06/29/21 08:04 | 06/30/21 06:15 | 1       |
| DCB Decachlorobiphenyl | 120       |           | 65 - 174 | 06/29/21 08:04 | 06/30/21 06:15 | 1       |
| DCB Decachlorobiphenyl | 100       |           | 65 - 174 | 06/29/21 08:04 | 06/30/21 06:15 | 1       |

## Method: 6010C - Metals (ICP)

| Analyte   | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| Aluminum  | 11100  |           | 12.5 | 5.5   | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 14:51 | 1       |
| Antimony  | ND     |           | 18.8 | 0.50  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 14:51 | 1       |
| Arsenic   | 6.7    |           | 2.5  | 0.50  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 14:51 | 1       |
| Barium    | 116    | ^6+       | 0.63 | 0.14  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 14:51 | 1       |
| Beryllium | 0.56   |           | 0.25 | 0.035 | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 14:51 | 1       |
| Cadmium   | 6.1    |           | 0.25 | 0.038 | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 14:51 | 1       |
| Calcium   | 27200  | B         | 62.7 | 4.1   | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 14:51 | 1       |
| Chromium  | 39.6   |           | 0.63 | 0.25  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 14:51 | 1       |
| Cobalt    | 7.9    |           | 0.63 | 0.063 | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 14:51 | 1       |
| Copper    | 82.8   |           | 1.3  | 0.26  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 14:51 | 1       |
| Iron      | 21400  | B ^+      | 12.5 | 4.4   | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 14:51 | 1       |
| Lead      | 101    |           | 1.3  | 0.30  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 14:51 | 1       |
| Magnesium | 10100  | B         | 25.1 | 1.2   | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 14:51 | 1       |
| Manganese | 414    | B         | 0.25 | 0.040 | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 14:51 | 1       |
| Nickel    | 36.3   |           | 6.3  | 0.29  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 14:51 | 1       |
| Potassium | 2500   |           | 37.6 | 25.1  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 14:51 | 1       |
| Selenium  | 2.0    | J         | 5.0  | 0.50  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 14:51 | 1       |
| Silver    | 3.4    |           | 0.75 | 0.25  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 14:51 | 1       |
| Sodium    | 166    | J         | 175  | 16.3  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 14:51 | 1       |
| Thallium  | ND     |           | 7.5  | 0.38  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 14:51 | 1       |
| Vanadium  | 25.4   |           | 0.63 | 0.14  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 14:51 | 1       |
| Zinc      | 340    |           | 2.5  | 0.80  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 14:51 | 1       |

## Method: 7471B - Mercury (CVAA)

| Analyte | Result | Qualifier | RL    | MDL    | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------|--------|-----------|-------|--------|-------|---|----------------|----------------|---------|
| Mercury | 0.75   |           | 0.027 | 0.0062 | mg/Kg | ☆ | 06/24/21 17:36 | 06/24/21 19:17 | 1       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

Client Sample ID: SS-17-0212

Lab Sample ID: 480-186319-24

Date Collected: 06/21/21 12:30

Matrix: Solid

Date Received: 06/21/21 16:14

Percent Solids: 85.0

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

| Analyte                       | Result | Qualifier | RL    | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|--------|-----------|-------|------|-------|---|----------------|----------------|---------|
| 2,4,5-Trichlorophenol         | ND     |           | 1000  | 270  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 19:42 | 5       |
| 2,4,6-Trichlorophenol         | ND     |           | 1000  | 200  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 19:42 | 5       |
| 2,4-Dichlorophenol            | ND     |           | 1000  | 110  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 19:42 | 5       |
| 2,4-Dimethylphenol            | ND     |           | 1000  | 240  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 19:42 | 5       |
| 2,4-Dinitrophenol             | ND     |           | 9700  | 4600 | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 19:42 | 5       |
| 2,4-Dinitrotoluene            | ND     |           | 1000  | 200  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 19:42 | 5       |
| 2,6-Dinitrotoluene            | ND     |           | 1000  | 120  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 19:42 | 5       |
| 2-Chloronaphthalene           | ND     |           | 1000  | 160  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 19:42 | 5       |
| 2-Chlorophenol                | ND     |           | 1900  | 180  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 19:42 | 5       |
| 2-Methylnaphthalene           | ND     |           | 1000  | 200  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 19:42 | 5       |
| 2-Methylphenol                | ND     |           | 1000  | 120  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 19:42 | 5       |
| 2-Nitroaniline                | ND     |           | 1900  | 150  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 19:42 | 5       |
| 2-Nitrophenol                 | ND     |           | 1000  | 280  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 19:42 | 5       |
| 3,3'-Dichlorobenzidine        | ND     |           | 1900  | 1200 | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 19:42 | 5       |
| 3-Nitroaniline                | ND     |           | 1900  | 280  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 19:42 | 5       |
| 4,6-Dinitro-2-methylphenol    | ND     |           | 1900  | 1000 | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 19:42 | 5       |
| 4-Bromophenyl phenyl ether    | ND     |           | 1000  | 140  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 19:42 | 5       |
| 4-Chloro-3-methylphenol       | ND     |           | 1000  | 250  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 19:42 | 5       |
| 4-Chloroaniline               | ND     |           | 1000  | 250  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 19:42 | 5       |
| 4-Chlorophenyl phenyl ether   | ND     |           | 1000  | 120  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 19:42 | 5       |
| 4-Methylphenol                | ND     |           | 1900  | 120  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 19:42 | 5       |
| 4-Nitroaniline                | ND     |           | 1900  | 520  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 19:42 | 5       |
| 4-Nitrophenol                 | ND     |           | 1900  | 700  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 19:42 | 5       |
| Acenaphthene                  | ND     |           | 1000  | 150  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 19:42 | 5       |
| Acenaphthylene                | ND     |           | 1000  | 130  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 19:42 | 5       |
| Acetophenone                  | ND     |           | 1000  | 130  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 19:42 | 5       |
| Anthracene                    | ND     |           | 1000  | 250  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 19:42 | 5       |
| Atrazine                      | ND     |           | 1000  | 350  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 19:42 | 5       |
| Benzaldehyde                  | ND     |           | 1000  | 790  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 19:42 | 5       |
| Benzo(a)anthracene            | 210    | J         | 1000  | 100  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 19:42 | 5       |
| Benzo(a)pyrene                | 210    | J         | 1000  | 150  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 19:42 | 5       |
| Benzo(b)fluoranthene          | 290    | J         | 1000  | 160  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 19:42 | 5       |
| Benzo(g,h,i)perylene          | 180    | J         | 1000  | 110  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 19:42 | 5       |
| Benzo(k)fluoranthene          | ND     |           | 1000  | 130  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 19:42 | 5       |
| Benzoic acid                  | ND     |           | 28000 | 8800 | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 19:42 | 5       |
| Biphenyl                      | ND     |           | 1000  | 150  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 19:42 | 5       |
| bis (2-chloroisopropyl) ether | ND     |           | 1000  | 200  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 19:42 | 5       |
| Bis(2-chloroethoxy)methane    | ND     |           | 1000  | 210  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 19:42 | 5       |
| Bis(2-chloroethyl)ether       | ND     |           | 1000  | 130  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 19:42 | 5       |
| Bis(2-ethylhexyl) phthalate   | ND     |           | 1000  | 340  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 19:42 | 5       |
| Butyl benzyl phthalate        | ND     |           | 1000  | 160  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 19:42 | 5       |
| Caprolactam                   | ND     |           | 1000  | 300  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 19:42 | 5       |
| Carbazole                     | ND     |           | 1000  | 120  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 19:42 | 5       |
| Chrysene                      | 280    | J         | 1000  | 220  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 19:42 | 5       |
| Dibenz(a,h)anthracene         | ND     |           | 1000  | 180  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 19:42 | 5       |
| Dibenzofuran                  | ND     |           | 1000  | 120  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 19:42 | 5       |
| Diethyl phthalate             | ND     |           | 1000  | 130  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 19:42 | 5       |
| Dimethyl phthalate            | ND     |           | 1000  | 120  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 19:42 | 5       |
| Di-n-butyl phthalate          | 630    | J B       | 1000  | 170  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 19:42 | 5       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

Client Sample ID: SS-17-0212

Lab Sample ID: 480-186319-24

Date Collected: 06/21/21 12:30

Matrix: Solid

Date Received: 06/21/21 16:14

Percent Solids: 85.0

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

| Analyte                       | Result     | Qualifier | RL   | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|------------|-----------|------|------|-------|---|----------------|----------------|---------|
| Di-n-octyl phthalate          | ND         |           | 1000 | 120  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 19:42 | 5       |
| <b>Fluoranthene</b>           | <b>370</b> | <b>J</b>  | 1000 | 110  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 19:42 | 5       |
| Fluorene                      | ND         |           | 1000 | 120  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 19:42 | 5       |
| Hexachlorobenzene             | ND         |           | 1000 | 130  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 19:42 | 5       |
| Hexachlorobutadiene           | ND         |           | 1000 | 150  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 19:42 | 5       |
| Hexachlorocyclopentadiene     | ND         |           | 1000 | 130  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 19:42 | 5       |
| Hexachloroethane              | ND         |           | 1000 | 130  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 19:42 | 5       |
| <b>Indeno(1,2,3-cd)pyrene</b> | <b>150</b> | <b>J</b>  | 1000 | 120  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 19:42 | 5       |
| Isophorone                    | ND         |           | 1000 | 210  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 19:42 | 5       |
| Naphthalene                   | ND         |           | 1000 | 130  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 19:42 | 5       |
| Nitrobenzene                  | ND         |           | 1000 | 110  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 19:42 | 5       |
| N-Nitrosodi-n-propylamine     | ND         |           | 1000 | 170  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 19:42 | 5       |
| N-Nitrosodiphenylamine        | ND         |           | 1000 | 810  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 19:42 | 5       |
| Pentachlorophenol             | ND         |           | 1900 | 1000 | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 19:42 | 5       |
| <b>Phenanthrene</b>           | <b>210</b> | <b>J</b>  | 1000 | 150  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 19:42 | 5       |
| Phenol                        | ND         |           | 1000 | 150  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 19:42 | 5       |
| <b>Pyrene</b>                 | <b>290</b> | <b>J</b>  | 1000 | 120  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 19:42 | 5       |

| Surrogate            | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 2,4,6-Tribromophenol | 72        |           | 54 - 120 | 06/29/21 15:10 | 07/01/21 19:42 | 5       |
| 2-Fluorobiphenyl     | 73        |           | 60 - 120 | 06/29/21 15:10 | 07/01/21 19:42 | 5       |
| 2-Fluorophenol       | 66        |           | 52 - 120 | 06/29/21 15:10 | 07/01/21 19:42 | 5       |
| Nitrobenzene-d5      | 69        |           | 53 - 120 | 06/29/21 15:10 | 07/01/21 19:42 | 5       |
| p-Terphenyl-d14      | 79        |           | 79 - 130 | 06/29/21 15:10 | 07/01/21 19:42 | 5       |
| Phenol-d5            | 65        |           | 54 - 120 | 06/29/21 15:10 | 07/01/21 19:42 | 5       |

## Method: 8081B - Organochlorine Pesticides (GC)

| Analyte             | Result    | Qualifier | RL  | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|-----------|-----------|-----|-----|-------|---|----------------|----------------|---------|
| 4,4'-DDD            | ND        |           | 98  | 19  | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 17:09 | 50      |
| 4,4'-DDE            | ND        |           | 98  | 20  | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 17:09 | 50      |
| <b>4,4'-DDT</b>     | <b>44</b> | <b>J</b>  | 98  | 23  | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 17:09 | 50      |
| Aldrin              | ND        |           | 98  | 24  | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 17:09 | 50      |
| alpha-BHC           | ND        |           | 98  | 18  | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 17:09 | 50      |
| beta-BHC            | ND        |           | 98  | 18  | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 17:09 | 50      |
| cis-Chlordane       | ND        |           | 98  | 49  | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 17:09 | 50      |
| delta-BHC           | ND        |           | 98  | 18  | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 17:09 | 50      |
| Dieldrin            | ND        |           | 98  | 23  | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 17:09 | 50      |
| Endosulfan I        | ND        |           | 98  | 19  | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 17:09 | 50      |
| Endosulfan II       | ND        |           | 98  | 18  | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 17:09 | 50      |
| Endosulfan sulfate  | ND        |           | 98  | 18  | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 17:09 | 50      |
| Endrin              | ND        |           | 98  | 19  | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 17:09 | 50      |
| Endrin aldehyde     | ND        |           | 98  | 25  | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 17:09 | 50      |
| Endrin ketone       | ND        |           | 98  | 24  | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 17:09 | 50      |
| gamma-BHC (Lindane) | ND        |           | 98  | 18  | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 17:09 | 50      |
| Heptachlor          | ND        |           | 98  | 21  | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 17:09 | 50      |
| Heptachlor epoxide  | ND        |           | 98  | 25  | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 17:09 | 50      |
| Methoxychlor        | ND        |           | 98  | 20  | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 17:09 | 50      |
| Mirex               | ND        |           | 98  | 24  | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 17:09 | 50      |
| Toxaphene           | ND        |           | 980 | 570 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 17:09 | 50      |
| trans-Chlordane     | ND        |           | 98  | 31  | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 17:09 | 50      |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

Client Sample ID: SS-17-0212

Lab Sample ID: 480-186319-24

Date Collected: 06/21/21 12:30

Matrix: Solid

Date Received: 06/21/21 16:14

Percent Solids: 85.0

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| DCB Decachlorobiphenyl | 0         | S1-       | 45 - 120 | 06/28/21 15:10 | 06/29/21 17:09 | 50      |
| DCB Decachlorobiphenyl | 0         | S1-       | 45 - 120 | 06/28/21 15:10 | 06/29/21 17:09 | 50      |
| Tetrachloro-m-xylene   | 0         | S1-       | 30 - 124 | 06/28/21 15:10 | 06/29/21 17:09 | 50      |
| Tetrachloro-m-xylene   | 0         | S1-       | 30 - 124 | 06/28/21 15:10 | 06/29/21 17:09 | 50      |

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

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| PCB-1016 | ND     |           | 0.28 | 0.055 | mg/Kg | ☆ | 06/29/21 08:04 | 06/30/21 06:28 | 1       |
| PCB-1221 | ND     |           | 0.28 | 0.055 | mg/Kg | ☆ | 06/29/21 08:04 | 06/30/21 06:28 | 1       |
| PCB-1232 | ND     |           | 0.28 | 0.055 | mg/Kg | ☆ | 06/29/21 08:04 | 06/30/21 06:28 | 1       |
| PCB-1242 | ND     |           | 0.28 | 0.055 | mg/Kg | ☆ | 06/29/21 08:04 | 06/30/21 06:28 | 1       |
| PCB-1248 | ND     |           | 0.28 | 0.055 | mg/Kg | ☆ | 06/29/21 08:04 | 06/30/21 06:28 | 1       |
| PCB-1254 | ND     |           | 0.28 | 0.13  | mg/Kg | ☆ | 06/29/21 08:04 | 06/30/21 06:28 | 1       |
| PCB-1260 | 0.79   |           | 0.28 | 0.13  | mg/Kg | ☆ | 06/29/21 08:04 | 06/30/21 06:28 | 1       |
| PCB-1262 | ND     |           | 0.28 | 0.13  | mg/Kg | ☆ | 06/29/21 08:04 | 06/30/21 06:28 | 1       |
| PCB-1268 | ND     |           | 0.28 | 0.13  | mg/Kg | ☆ | 06/29/21 08:04 | 06/30/21 06:28 | 1       |

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| Tetrachloro-m-xylene   | 128       |           | 60 - 154 | 06/29/21 08:04 | 06/30/21 06:28 | 1       |
| Tetrachloro-m-xylene   | 135       |           | 60 - 154 | 06/29/21 08:04 | 06/30/21 06:28 | 1       |
| DCB Decachlorobiphenyl | 126       |           | 65 - 174 | 06/29/21 08:04 | 06/30/21 06:28 | 1       |
| DCB Decachlorobiphenyl | 108       |           | 65 - 174 | 06/29/21 08:04 | 06/30/21 06:28 | 1       |

## Method: 6010C - Metals (ICP)

| Analyte   | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| Aluminum  | 12200  |           | 11.5 | 5.0   | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 14:55 | 1       |
| Antimony  | 2.2    | J         | 17.2 | 0.46  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 14:55 | 1       |
| Arsenic   | 9.0    |           | 2.3  | 0.46  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 14:55 | 1       |
| Barium    | 158    | ^6+       | 0.57 | 0.13  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 14:55 | 1       |
| Beryllium | 0.80   |           | 0.23 | 0.032 | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 14:55 | 1       |
| Cadmium   | 12.6   |           | 0.23 | 0.034 | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 14:55 | 1       |
| Calcium   | 27000  | B         | 57.3 | 3.8   | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 14:55 | 1       |
| Chromium  | 47.0   |           | 0.57 | 0.23  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 14:55 | 1       |
| Cobalt    | 8.6    |           | 0.57 | 0.057 | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 14:55 | 1       |
| Copper    | 115    |           | 1.1  | 0.24  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 14:55 | 1       |
| Iron      | 26800  | B ^+      | 11.5 | 4.0   | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 14:55 | 1       |
| Lead      | 129    |           | 1.1  | 0.28  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 14:55 | 1       |
| Magnesium | 9630   | B         | 22.9 | 1.1   | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 14:55 | 1       |
| Manganese | 419    | B         | 0.23 | 0.037 | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 14:55 | 1       |
| Nickel    | 40.2   |           | 5.7  | 0.26  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 14:55 | 1       |
| Potassium | 2110   |           | 34.4 | 22.9  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 14:55 | 1       |
| Selenium  | 2.3    | J         | 4.6  | 0.46  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 14:55 | 1       |
| Silver    | 4.4    |           | 0.69 | 0.23  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 14:55 | 1       |
| Sodium    | 195    |           | 160  | 14.9  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 14:55 | 1       |
| Thallium  | ND     |           | 6.9  | 0.34  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 14:55 | 1       |
| Vanadium  | 25.9   |           | 0.57 | 0.13  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 14:55 | 1       |
| Zinc      | 318    |           | 2.3  | 0.73  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 14:55 | 1       |

## Method: 7471B - Mercury (CVAA)

| Analyte | Result | Qualifier | RL    | MDL    | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------|--------|-----------|-------|--------|-------|---|----------------|----------------|---------|
| Mercury | 0.78   |           | 0.024 | 0.0056 | mg/Kg | ☆ | 06/24/21 17:36 | 06/24/21 19:18 | 1       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

Client Sample ID: SS-18-0002

Lab Sample ID: 480-186319-25

Date Collected: 06/21/21 12:35

Matrix: Solid

Date Received: 06/21/21 16:14

Percent Solids: 73.9

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

| Analyte                       | Result | Qualifier | RL    | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|--------|-----------|-------|-------|-------|---|----------------|----------------|---------|
| 2,4,5-Trichlorophenol         | ND     |           | 1100  | 310   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 20:06 | 5       |
| 2,4,6-Trichlorophenol         | ND     |           | 1100  | 230   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 20:06 | 5       |
| 2,4-Dichlorophenol            | ND     |           | 1100  | 120   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 20:06 | 5       |
| 2,4-Dimethylphenol            | ND     |           | 1100  | 270   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 20:06 | 5       |
| 2,4-Dinitrophenol             | ND     |           | 11000 | 5200  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 20:06 | 5       |
| 2,4-Dinitrotoluene            | ND     |           | 1100  | 230   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 20:06 | 5       |
| 2,6-Dinitrotoluene            | ND     |           | 1100  | 130   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 20:06 | 5       |
| 2-Chloronaphthalene           | ND     |           | 1100  | 190   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 20:06 | 5       |
| 2-Chlorophenol                | ND     |           | 2200  | 210   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 20:06 | 5       |
| 2-Methylnaphthalene           | ND     |           | 1100  | 230   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 20:06 | 5       |
| 2-Methylphenol                | ND     |           | 1100  | 130   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 20:06 | 5       |
| 2-Nitroaniline                | ND     |           | 2200  | 170   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 20:06 | 5       |
| 2-Nitrophenol                 | ND     |           | 1100  | 320   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 20:06 | 5       |
| 3,3'-Dichlorobenzidine        | ND     |           | 2200  | 1300  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 20:06 | 5       |
| 3-Nitroaniline                | ND     |           | 2200  | 310   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 20:06 | 5       |
| 4,6-Dinitro-2-methylphenol    | ND     |           | 2200  | 1100  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 20:06 | 5       |
| 4-Bromophenyl phenyl ether    | ND     |           | 1100  | 160   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 20:06 | 5       |
| 4-Chloro-3-methylphenol       | ND     |           | 1100  | 280   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 20:06 | 5       |
| 4-Chloroaniline               | ND     |           | 1100  | 280   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 20:06 | 5       |
| 4-Chlorophenyl phenyl ether   | ND     |           | 1100  | 140   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 20:06 | 5       |
| 4-Methylphenol                | ND     |           | 2200  | 130   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 20:06 | 5       |
| 4-Nitroaniline                | ND     |           | 2200  | 590   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 20:06 | 5       |
| 4-Nitrophenol                 | ND     |           | 2200  | 790   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 20:06 | 5       |
| Acenaphthene                  | ND     |           | 1100  | 170   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 20:06 | 5       |
| Acenaphthylene                | ND     |           | 1100  | 150   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 20:06 | 5       |
| Acetophenone                  | ND     |           | 1100  | 150   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 20:06 | 5       |
| Anthracene                    | ND     |           | 1100  | 280   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 20:06 | 5       |
| Atrazine                      | ND     |           | 1100  | 390   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 20:06 | 5       |
| Benzaldehyde                  | ND     |           | 1100  | 900   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 20:06 | 5       |
| Benzo(a)anthracene            | 640    | J         | 1100  | 110   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 20:06 | 5       |
| Benzo(a)pyrene                | 580    | J         | 1100  | 170   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 20:06 | 5       |
| Benzo(b)fluoranthene          | 890    | J         | 1100  | 180   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 20:06 | 5       |
| Benzo(g,h,i)perylene          | 400    | J         | 1100  | 120   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 20:06 | 5       |
| Benzo(k)fluoranthene          | 240    | J         | 1100  | 150   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 20:06 | 5       |
| Benzoic acid                  | ND     |           | 32000 | 10000 | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 20:06 | 5       |
| Biphenyl                      | ND     |           | 1100  | 170   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 20:06 | 5       |
| bis (2-chloroisopropyl) ether | ND     |           | 1100  | 230   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 20:06 | 5       |
| Bis(2-chloroethoxy)methane    | ND     |           | 1100  | 240   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 20:06 | 5       |
| Bis(2-chloroethyl)ether       | ND     |           | 1100  | 150   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 20:06 | 5       |
| Bis(2-ethylhexyl) phthalate   | ND     |           | 1100  | 390   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 20:06 | 5       |
| Butyl benzyl phthalate        | ND     |           | 1100  | 190   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 20:06 | 5       |
| Caprolactam                   | ND     |           | 1100  | 340   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 20:06 | 5       |
| Carbazole                     | ND     |           | 1100  | 130   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 20:06 | 5       |
| Chrysene                      | 670    | J         | 1100  | 250   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 20:06 | 5       |
| Dibenz(a,h)anthracene         | ND     |           | 1100  | 200   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 20:06 | 5       |
| Dibenzofuran                  | ND     |           | 1100  | 130   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 20:06 | 5       |
| Diethyl phthalate             | ND     |           | 1100  | 150   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 20:06 | 5       |
| Dimethyl phthalate            | ND     |           | 1100  | 130   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 20:06 | 5       |
| Di-n-butyl phthalate          | ND     |           | 1100  | 190   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 20:06 | 5       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

Client Sample ID: SS-18-0002

Lab Sample ID: 480-186319-25

Date Collected: 06/21/21 12:35

Matrix: Solid

Date Received: 06/21/21 16:14

Percent Solids: 73.9

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

| Analyte                       | Result       | Qualifier | RL   | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|--------------|-----------|------|------|-------|---|----------------|----------------|---------|
| Di-n-octyl phthalate          | ND           |           | 1100 | 130  | ug/Kg | ☆ | 06/29/21 15:10 | 07/01/21 20:06 | 5       |
| <b>Fluoranthene</b>           | <b>1100</b>  |           | 1100 | 120  | ug/Kg | ☆ | 06/29/21 15:10 | 07/01/21 20:06 | 5       |
| Fluorene                      | ND           |           | 1100 | 130  | ug/Kg | ☆ | 06/29/21 15:10 | 07/01/21 20:06 | 5       |
| Hexachlorobenzene             | ND           |           | 1100 | 150  | ug/Kg | ☆ | 06/29/21 15:10 | 07/01/21 20:06 | 5       |
| Hexachlorobutadiene           | ND           |           | 1100 | 170  | ug/Kg | ☆ | 06/29/21 15:10 | 07/01/21 20:06 | 5       |
| Hexachlorocyclopentadiene     | ND           |           | 1100 | 150  | ug/Kg | ☆ | 06/29/21 15:10 | 07/01/21 20:06 | 5       |
| Hexachloroethane              | ND           |           | 1100 | 150  | ug/Kg | ☆ | 06/29/21 15:10 | 07/01/21 20:06 | 5       |
| <b>Indeno(1,2,3-cd)pyrene</b> | <b>400 J</b> |           | 1100 | 140  | ug/Kg | ☆ | 06/29/21 15:10 | 07/01/21 20:06 | 5       |
| Isophorone                    | ND           |           | 1100 | 240  | ug/Kg | ☆ | 06/29/21 15:10 | 07/01/21 20:06 | 5       |
| Naphthalene                   | ND           |           | 1100 | 150  | ug/Kg | ☆ | 06/29/21 15:10 | 07/01/21 20:06 | 5       |
| Nitrobenzene                  | ND           |           | 1100 | 130  | ug/Kg | ☆ | 06/29/21 15:10 | 07/01/21 20:06 | 5       |
| N-Nitrosodi-n-propylamine     | ND           |           | 1100 | 190  | ug/Kg | ☆ | 06/29/21 15:10 | 07/01/21 20:06 | 5       |
| N-Nitrosodiphenylamine        | ND           |           | 1100 | 920  | ug/Kg | ☆ | 06/29/21 15:10 | 07/01/21 20:06 | 5       |
| Pentachlorophenol             | ND           |           | 2200 | 1100 | ug/Kg | ☆ | 06/29/21 15:10 | 07/01/21 20:06 | 5       |
| <b>Phenanthrene</b>           | <b>520 J</b> |           | 1100 | 170  | ug/Kg | ☆ | 06/29/21 15:10 | 07/01/21 20:06 | 5       |
| Phenol                        | ND           |           | 1100 | 170  | ug/Kg | ☆ | 06/29/21 15:10 | 07/01/21 20:06 | 5       |
| <b>Pyrene</b>                 | <b>970 J</b> |           | 1100 | 130  | ug/Kg | ☆ | 06/29/21 15:10 | 07/01/21 20:06 | 5       |

| Surrogate            | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 2,4,6-Tribromophenol | 95        |           | 54 - 120 | 06/29/21 15:10 | 07/01/21 20:06 | 5       |
| 2-Fluorobiphenyl     | 80        |           | 60 - 120 | 06/29/21 15:10 | 07/01/21 20:06 | 5       |
| 2-Fluorophenol       | 72        |           | 52 - 120 | 06/29/21 15:10 | 07/01/21 20:06 | 5       |
| Nitrobenzene-d5      | 78        |           | 53 - 120 | 06/29/21 15:10 | 07/01/21 20:06 | 5       |
| p-Terphenyl-d14      | 89        |           | 79 - 130 | 06/29/21 15:10 | 07/01/21 20:06 | 5       |
| Phenol-d5            | 73        |           | 54 - 120 | 06/29/21 15:10 | 07/01/21 20:06 | 5       |

## Method: 8081B - Organochlorine Pesticides (GC)

| Analyte                | Result      | Qualifier | RL  | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|------------------------|-------------|-----------|-----|-----|-------|---|----------------|----------------|---------|
| 4,4'-DDD               | ND          |           | 44  | 8.6 | ug/Kg | ☆ | 06/28/21 15:10 | 06/29/21 17:28 | 20      |
| 4,4'-DDE               | ND          |           | 44  | 9.3 | ug/Kg | ☆ | 06/28/21 15:10 | 06/29/21 17:28 | 20      |
| <b>4,4'-DDT</b>        | <b>170</b>  |           | 44  | 10  | ug/Kg | ☆ | 06/28/21 15:10 | 06/29/21 17:28 | 20      |
| Aldrin                 | ND          |           | 44  | 11  | ug/Kg | ☆ | 06/28/21 15:10 | 06/29/21 17:28 | 20      |
| alpha-BHC              | ND          |           | 44  | 8.0 | ug/Kg | ☆ | 06/28/21 15:10 | 06/29/21 17:28 | 20      |
| beta-BHC               | ND          |           | 44  | 8.0 | ug/Kg | ☆ | 06/28/21 15:10 | 06/29/21 17:28 | 20      |
| cis-Chlordane          | ND          |           | 44  | 22  | ug/Kg | ☆ | 06/28/21 15:10 | 06/29/21 17:28 | 20      |
| delta-BHC              | ND          |           | 44  | 8.3 | ug/Kg | ☆ | 06/28/21 15:10 | 06/29/21 17:28 | 20      |
| <b>Dieldrin</b>        | <b>39 J</b> |           | 44  | 11  | ug/Kg | ☆ | 06/28/21 15:10 | 06/29/21 17:28 | 20      |
| Endosulfan I           | ND          |           | 44  | 8.5 | ug/Kg | ☆ | 06/28/21 15:10 | 06/29/21 17:28 | 20      |
| Endosulfan II          | ND          |           | 44  | 8.0 | ug/Kg | ☆ | 06/28/21 15:10 | 06/29/21 17:28 | 20      |
| Endosulfan sulfate     | ND          |           | 44  | 8.3 | ug/Kg | ☆ | 06/28/21 15:10 | 06/29/21 17:28 | 20      |
| Endrin                 | ND          |           | 44  | 8.8 | ug/Kg | ☆ | 06/28/21 15:10 | 06/29/21 17:28 | 20      |
| <b>Endrin aldehyde</b> | <b>14 J</b> |           | 44  | 11  | ug/Kg | ☆ | 06/28/21 15:10 | 06/29/21 17:28 | 20      |
| Endrin ketone          | ND          |           | 44  | 11  | ug/Kg | ☆ | 06/28/21 15:10 | 06/29/21 17:28 | 20      |
| gamma-BHC (Lindane)    | ND          |           | 44  | 8.1 | ug/Kg | ☆ | 06/28/21 15:10 | 06/29/21 17:28 | 20      |
| Heptachlor             | ND          |           | 44  | 9.6 | ug/Kg | ☆ | 06/28/21 15:10 | 06/29/21 17:28 | 20      |
| Heptachlor epoxide     | ND          |           | 44  | 11  | ug/Kg | ☆ | 06/28/21 15:10 | 06/29/21 17:28 | 20      |
| Methoxychlor           | ND          |           | 44  | 9.0 | ug/Kg | ☆ | 06/28/21 15:10 | 06/29/21 17:28 | 20      |
| Mirex                  | ND          |           | 44  | 11  | ug/Kg | ☆ | 06/28/21 15:10 | 06/29/21 17:28 | 20      |
| Toxaphene              | ND          |           | 440 | 260 | ug/Kg | ☆ | 06/28/21 15:10 | 06/29/21 17:28 | 20      |
| trans-Chlordane        | ND          |           | 44  | 14  | ug/Kg | ☆ | 06/28/21 15:10 | 06/29/21 17:28 | 20      |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

Client Sample ID: SS-18-0002

Lab Sample ID: 480-186319-25

Date Collected: 06/21/21 12:35

Matrix: Solid

Date Received: 06/21/21 16:14

Percent Solids: 73.9

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| DCB Decachlorobiphenyl | 126       | S1+       | 45 - 120 | 06/28/21 15:10 | 06/29/21 17:28 | 20      |
| DCB Decachlorobiphenyl | 196       | S1+       | 45 - 120 | 06/28/21 15:10 | 06/29/21 17:28 | 20      |
| Tetrachloro-m-xylene   | 0         | S1-       | 30 - 124 | 06/28/21 15:10 | 06/29/21 17:28 | 20      |
| Tetrachloro-m-xylene   | 0         | S1-       | 30 - 124 | 06/28/21 15:10 | 06/29/21 17:28 | 20      |

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

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| PCB-1016 | ND     |           | 0.29 | 0.056 | mg/Kg | ☆ | 06/29/21 08:04 | 06/30/21 06:41 | 1       |
| PCB-1221 | ND     |           | 0.29 | 0.056 | mg/Kg | ☆ | 06/29/21 08:04 | 06/30/21 06:41 | 1       |
| PCB-1232 | ND     |           | 0.29 | 0.056 | mg/Kg | ☆ | 06/29/21 08:04 | 06/30/21 06:41 | 1       |
| PCB-1242 | ND     |           | 0.29 | 0.056 | mg/Kg | ☆ | 06/29/21 08:04 | 06/30/21 06:41 | 1       |
| PCB-1248 | ND     |           | 0.29 | 0.056 | mg/Kg | ☆ | 06/29/21 08:04 | 06/30/21 06:41 | 1       |
| PCB-1254 | ND     |           | 0.29 | 0.13  | mg/Kg | ☆ | 06/29/21 08:04 | 06/30/21 06:41 | 1       |
| PCB-1260 | 2.6    |           | 0.29 | 0.13  | mg/Kg | ☆ | 06/29/21 08:04 | 06/30/21 06:41 | 1       |
| PCB-1262 | ND     |           | 0.29 | 0.13  | mg/Kg | ☆ | 06/29/21 08:04 | 06/30/21 06:41 | 1       |
| PCB-1268 | ND     |           | 0.29 | 0.13  | mg/Kg | ☆ | 06/29/21 08:04 | 06/30/21 06:41 | 1       |

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| Tetrachloro-m-xylene   | 134       |           | 60 - 154 | 06/29/21 08:04 | 06/30/21 06:41 | 1       |
| Tetrachloro-m-xylene   | 141       |           | 60 - 154 | 06/29/21 08:04 | 06/30/21 06:41 | 1       |
| DCB Decachlorobiphenyl | 139       |           | 65 - 174 | 06/29/21 08:04 | 06/30/21 06:41 | 1       |
| DCB Decachlorobiphenyl | 106       |           | 65 - 174 | 06/29/21 08:04 | 06/30/21 06:41 | 1       |

## Method: 6010C - Metals (ICP)

| Analyte   | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| Aluminum  | 13700  |           | 14.1 | 6.2   | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 14:59 | 1       |
| Antimony  | 5.1    | J         | 21.2 | 0.57  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 14:59 | 1       |
| Arsenic   | 11.5   |           | 2.8  | 0.57  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 14:59 | 1       |
| Barium    | 255    | ^6+       | 0.71 | 0.16  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 14:59 | 1       |
| Beryllium | 0.82   |           | 0.28 | 0.040 | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 14:59 | 1       |
| Cadmium   | 57.5   |           | 0.28 | 0.042 | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 14:59 | 1       |
| Calcium   | 24300  | B         | 70.7 | 4.7   | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 14:59 | 1       |
| Chromium  | 86.6   |           | 0.71 | 0.28  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 14:59 | 1       |
| Cobalt    | 12.5   |           | 0.71 | 0.071 | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 14:59 | 1       |
| Copper    | 156    |           | 1.4  | 0.30  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 14:59 | 1       |
| Iron      | 41900  | B ^+      | 14.1 | 4.9   | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 14:59 | 1       |
| Lead      | 397    |           | 1.4  | 0.34  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 14:59 | 1       |
| Magnesium | 9740   | B         | 28.3 | 1.3   | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 14:59 | 1       |
| Manganese | 512    | B         | 0.28 | 0.045 | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 14:59 | 1       |
| Nickel    | 68.6   |           | 7.1  | 0.33  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 14:59 | 1       |
| Potassium | 2080   |           | 42.4 | 28.3  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 14:59 | 1       |
| Selenium  | 4.2    | J         | 5.7  | 0.57  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 14:59 | 1       |
| Silver    | 5.2    |           | 0.85 | 0.28  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 14:59 | 1       |
| Sodium    | 327    |           | 198  | 18.4  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 14:59 | 1       |
| Thallium  | ND     |           | 8.5  | 0.42  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 14:59 | 1       |
| Vanadium  | 27.8   |           | 0.71 | 0.16  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 14:59 | 1       |
| Zinc      | 546    |           | 2.8  | 0.90  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 14:59 | 1       |

## Method: 7471B - Mercury (CVAA)

| Analyte | Result | Qualifier | RL  | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------|--------|-----------|-----|------|-------|---|----------------|----------------|---------|
| Mercury | 19.1   |           | 1.2 | 0.27 | mg/Kg | ☆ | 06/24/21 17:36 | 06/24/21 19:37 | 50      |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

Client Sample ID: SS-18-0212

Lab Sample ID: 480-186319-26

Date Collected: 06/21/21 12:40

Matrix: Solid

Date Received: 06/21/21 16:14

Percent Solids: 86.6

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

| Analyte                       | Result | Qualifier | RL    | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|--------|-----------|-------|------|-------|---|----------------|----------------|---------|
| 2,4,5-Trichlorophenol         | ND     |           | 960   | 260  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 20:30 | 5       |
| 2,4,6-Trichlorophenol         | ND     |           | 960   | 190  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 20:30 | 5       |
| 2,4-Dichlorophenol            | ND     |           | 960   | 100  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 20:30 | 5       |
| 2,4-Dimethylphenol            | ND     |           | 960   | 230  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 20:30 | 5       |
| 2,4-Dinitrophenol             | ND     |           | 9300  | 4400 | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 20:30 | 5       |
| 2,4-Dinitrotoluene            | ND     |           | 960   | 200  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 20:30 | 5       |
| 2,6-Dinitrotoluene            | ND     |           | 960   | 110  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 20:30 | 5       |
| 2-Chloronaphthalene           | ND     |           | 960   | 160  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 20:30 | 5       |
| 2-Chlorophenol                | ND     |           | 1900  | 170  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 20:30 | 5       |
| 2-Methylnaphthalene           | ND     |           | 960   | 190  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 20:30 | 5       |
| 2-Methylphenol                | ND     |           | 960   | 110  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 20:30 | 5       |
| 2-Nitroaniline                | ND     |           | 1900  | 140  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 20:30 | 5       |
| 2-Nitrophenol                 | ND     |           | 960   | 270  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 20:30 | 5       |
| 3,3'-Dichlorobenzidine        | ND     |           | 1900  | 1100 | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 20:30 | 5       |
| 3-Nitroaniline                | ND     |           | 1900  | 260  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 20:30 | 5       |
| 4,6-Dinitro-2-methylphenol    | ND     |           | 1900  | 960  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 20:30 | 5       |
| 4-Bromophenyl phenyl ether    | ND     |           | 960   | 130  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 20:30 | 5       |
| 4-Chloro-3-methylphenol       | ND     |           | 960   | 240  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 20:30 | 5       |
| 4-Chloroaniline               | ND     |           | 960   | 240  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 20:30 | 5       |
| 4-Chlorophenyl phenyl ether   | ND     |           | 960   | 120  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 20:30 | 5       |
| 4-Methylphenol                | ND     |           | 1900  | 110  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 20:30 | 5       |
| 4-Nitroaniline                | ND     |           | 1900  | 500  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 20:30 | 5       |
| 4-Nitrophenol                 | ND     |           | 1900  | 670  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 20:30 | 5       |
| Acenaphthene                  | ND     |           | 960   | 140  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 20:30 | 5       |
| Acenaphthylene                | ND     |           | 960   | 120  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 20:30 | 5       |
| Acetophenone                  | ND     |           | 960   | 130  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 20:30 | 5       |
| Anthracene                    | ND     |           | 960   | 240  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 20:30 | 5       |
| Atrazine                      | ND     |           | 960   | 330  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 20:30 | 5       |
| Benzaldehyde                  | ND     |           | 960   | 760  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 20:30 | 5       |
| Benzo(a)anthracene            | ND     |           | 960   | 96   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 20:30 | 5       |
| Benzo(a)pyrene                | 210    | J         | 960   | 140  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 20:30 | 5       |
| Benzo(b)fluoranthene          | 260    | J         | 960   | 150  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 20:30 | 5       |
| Benzo(g,h,i)perylene          | 110    | J         | 960   | 100  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 20:30 | 5       |
| Benzo(k)fluoranthene          | ND     |           | 960   | 120  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 20:30 | 5       |
| Benzoic acid                  | ND     |           | 27000 | 8400 | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 20:30 | 5       |
| Biphenyl                      | ND     |           | 960   | 140  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 20:30 | 5       |
| bis (2-chloroisopropyl) ether | ND     |           | 960   | 190  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 20:30 | 5       |
| Bis(2-chloroethoxy)methane    | ND     |           | 960   | 200  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 20:30 | 5       |
| Bis(2-chloroethyl)ether       | ND     |           | 960   | 120  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 20:30 | 5       |
| Bis(2-ethylhexyl) phthalate   | 520    | J         | 960   | 330  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 20:30 | 5       |
| Butyl benzyl phthalate        | ND     |           | 960   | 160  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 20:30 | 5       |
| Caprolactam                   | ND     |           | 960   | 290  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 20:30 | 5       |
| Carbazole                     | ND     |           | 960   | 110  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 20:30 | 5       |
| Chrysene                      | ND     |           | 960   | 210  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 20:30 | 5       |
| Dibenz(a,h)anthracene         | ND     |           | 960   | 170  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 20:30 | 5       |
| Dibenzofuran                  | ND     |           | 960   | 110  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 20:30 | 5       |
| Diethyl phthalate             | ND     |           | 960   | 120  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 20:30 | 5       |
| Dimethyl phthalate            | ND     |           | 960   | 110  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 20:30 | 5       |
| Di-n-butyl phthalate          | 160    | J B       | 960   | 160  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 20:30 | 5       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

Client Sample ID: SS-18-0212

Lab Sample ID: 480-186319-26

Date Collected: 06/21/21 12:40

Matrix: Solid

Date Received: 06/21/21 16:14

Percent Solids: 86.6

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

| Analyte                       | Result     | Qualifier | RL   | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|------------|-----------|------|-----|-------|---|----------------|----------------|---------|
| Di-n-octyl phthalate          | ND         |           | 960  | 110 | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 20:30 | 5       |
| <b>Fluoranthene</b>           | <b>350</b> | <b>J</b>  | 960  | 100 | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 20:30 | 5       |
| Fluorene                      | ND         |           | 960  | 110 | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 20:30 | 5       |
| Hexachlorobenzene             | ND         |           | 960  | 130 | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 20:30 | 5       |
| Hexachlorobutadiene           | ND         |           | 960  | 140 | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 20:30 | 5       |
| Hexachlorocyclopentadiene     | ND         |           | 960  | 130 | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 20:30 | 5       |
| Hexachloroethane              | ND         |           | 960  | 120 | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 20:30 | 5       |
| <b>Indeno(1,2,3-cd)pyrene</b> | <b>130</b> | <b>J</b>  | 960  | 120 | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 20:30 | 5       |
| Isophorone                    | ND         |           | 960  | 200 | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 20:30 | 5       |
| Naphthalene                   | ND         |           | 960  | 120 | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 20:30 | 5       |
| Nitrobenzene                  | ND         |           | 960  | 110 | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 20:30 | 5       |
| N-Nitrosodi-n-propylamine     | ND         |           | 960  | 160 | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 20:30 | 5       |
| N-Nitrosodiphenylamine        | ND         |           | 960  | 780 | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 20:30 | 5       |
| Pentachlorophenol             | ND         |           | 1900 | 960 | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 20:30 | 5       |
| <b>Phenanthrene</b>           | <b>170</b> | <b>J</b>  | 960  | 140 | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 20:30 | 5       |
| Phenol                        | ND         |           | 960  | 150 | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 20:30 | 5       |
| <b>Pyrene</b>                 | <b>280</b> | <b>J</b>  | 960  | 110 | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 20:30 | 5       |

| Surrogate            | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 2,4,6-Tribromophenol | 58        |           | 54 - 120 | 06/29/21 15:10 | 07/01/21 20:30 | 5       |
| 2-Fluorobiphenyl     | 61        |           | 60 - 120 | 06/29/21 15:10 | 07/01/21 20:30 | 5       |
| 2-Fluorophenol       | 54        |           | 52 - 120 | 06/29/21 15:10 | 07/01/21 20:30 | 5       |
| Nitrobenzene-d5      | 59        |           | 53 - 120 | 06/29/21 15:10 | 07/01/21 20:30 | 5       |
| p-Terphenyl-d14      | 65        | S1-       | 79 - 130 | 06/29/21 15:10 | 07/01/21 20:30 | 5       |
| Phenol-d5            | 53        | S1-       | 54 - 120 | 06/29/21 15:10 | 07/01/21 20:30 | 5       |

## Method: 8081B - Organochlorine Pesticides (GC)

| Analyte             | Result     | Qualifier | RL  | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|------------|-----------|-----|-----|-------|---|----------------|----------------|---------|
| 4,4'-DDD            | ND         |           | 93  | 18  | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 17:48 | 50      |
| <b>4,4'-DDE</b>     | <b>52</b>  | <b>J</b>  | 93  | 20  | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 17:48 | 50      |
| <b>4,4'-DDT</b>     | <b>280</b> |           | 93  | 22  | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 17:48 | 50      |
| Aldrin              | ND         |           | 93  | 23  | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 17:48 | 50      |
| alpha-BHC           | ND         |           | 93  | 17  | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 17:48 | 50      |
| beta-BHC            | ND         |           | 93  | 17  | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 17:48 | 50      |
| cis-Chlordane       | ND         |           | 93  | 46  | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 17:48 | 50      |
| delta-BHC           | ND         |           | 93  | 17  | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 17:48 | 50      |
| <b>Dieldrin</b>     | <b>72</b>  | <b>J</b>  | 93  | 22  | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 17:48 | 50      |
| Endosulfan I        | ND         |           | 93  | 18  | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 17:48 | 50      |
| Endosulfan II       | ND         |           | 93  | 17  | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 17:48 | 50      |
| Endosulfan sulfate  | ND         |           | 93  | 17  | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 17:48 | 50      |
| Endrin              | ND         |           | 93  | 18  | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 17:48 | 50      |
| Endrin aldehyde     | ND         |           | 93  | 24  | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 17:48 | 50      |
| Endrin ketone       | ND         |           | 93  | 23  | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 17:48 | 50      |
| gamma-BHC (Lindane) | ND         |           | 93  | 17  | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 17:48 | 50      |
| Heptachlor          | ND         |           | 93  | 20  | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 17:48 | 50      |
| Heptachlor epoxide  | ND         |           | 93  | 24  | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 17:48 | 50      |
| <b>Methoxychlor</b> | <b>40</b>  | <b>J</b>  | 93  | 19  | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 17:48 | 50      |
| Mirex               | ND         |           | 93  | 23  | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 17:48 | 50      |
| Toxaphene           | ND         |           | 930 | 540 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 17:48 | 50      |
| trans-Chlordane     | ND         |           | 93  | 30  | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 17:48 | 50      |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

Client Sample ID: SS-18-0212

Lab Sample ID: 480-186319-26

Date Collected: 06/21/21 12:40

Matrix: Solid

Date Received: 06/21/21 16:14

Percent Solids: 86.6

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| DCB Decachlorobiphenyl | 0         | S1-       | 45 - 120 | 06/28/21 15:10 | 06/29/21 17:48 | 50      |
| DCB Decachlorobiphenyl | 0         | S1-       | 45 - 120 | 06/28/21 15:10 | 06/29/21 17:48 | 50      |
| Tetrachloro-m-xylene   | 0         | S1-       | 30 - 124 | 06/28/21 15:10 | 06/29/21 17:48 | 50      |
| Tetrachloro-m-xylene   | 0         | S1-       | 30 - 124 | 06/28/21 15:10 | 06/29/21 17:48 | 50      |

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

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| PCB-1016 | ND     |           | 0.22 | 0.042 | mg/Kg | ☆ | 06/29/21 08:04 | 06/30/21 06:54 | 1       |
| PCB-1221 | ND     |           | 0.22 | 0.042 | mg/Kg | ☆ | 06/29/21 08:04 | 06/30/21 06:54 | 1       |
| PCB-1232 | ND     |           | 0.22 | 0.042 | mg/Kg | ☆ | 06/29/21 08:04 | 06/30/21 06:54 | 1       |
| PCB-1242 | ND     |           | 0.22 | 0.042 | mg/Kg | ☆ | 06/29/21 08:04 | 06/30/21 06:54 | 1       |
| PCB-1248 | ND     |           | 0.22 | 0.042 | mg/Kg | ☆ | 06/29/21 08:04 | 06/30/21 06:54 | 1       |
| PCB-1254 | ND     |           | 0.22 | 0.10  | mg/Kg | ☆ | 06/29/21 08:04 | 06/30/21 06:54 | 1       |
| PCB-1260 | 4.4    |           | 0.22 | 0.10  | mg/Kg | ☆ | 06/29/21 08:04 | 06/30/21 06:54 | 1       |
| PCB-1262 | ND     |           | 0.22 | 0.10  | mg/Kg | ☆ | 06/29/21 08:04 | 06/30/21 06:54 | 1       |
| PCB-1268 | ND     |           | 0.22 | 0.10  | mg/Kg | ☆ | 06/29/21 08:04 | 06/30/21 06:54 | 1       |

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| Tetrachloro-m-xylene   | 116       |           | 60 - 154 | 06/29/21 08:04 | 06/30/21 06:54 | 1       |
| Tetrachloro-m-xylene   | 121       |           | 60 - 154 | 06/29/21 08:04 | 06/30/21 06:54 | 1       |
| DCB Decachlorobiphenyl | 111       |           | 65 - 174 | 06/29/21 08:04 | 06/30/21 06:54 | 1       |
| DCB Decachlorobiphenyl | 93        |           | 65 - 174 | 06/29/21 08:04 | 06/30/21 06:54 | 1       |

## Method: 6010C - Metals (ICP)

| Analyte   | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| Aluminum  | 13600  |           | 11.8 | 5.2   | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:03 | 1       |
| Antimony  | 5.3    | J         | 17.8 | 0.47  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:03 | 1       |
| Arsenic   | 10.2   |           | 2.4  | 0.47  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:03 | 1       |
| Barium    | 287    | ^6+       | 0.59 | 0.13  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:03 | 1       |
| Beryllium | 0.82   |           | 0.24 | 0.033 | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:03 | 1       |
| Cadmium   | 29.7   |           | 0.24 | 0.036 | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:03 | 1       |
| Calcium   | 26400  | B         | 59.2 | 3.9   | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:03 | 1       |
| Chromium  | 152    |           | 0.59 | 0.24  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:03 | 1       |
| Cobalt    | 11.1   |           | 0.59 | 0.059 | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:03 | 1       |
| Copper    | 540    |           | 1.2  | 0.25  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:03 | 1       |
| Iron      | 36200  | B ^+      | 11.8 | 4.1   | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:03 | 1       |
| Lead      | 311    |           | 1.2  | 0.28  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:03 | 1       |
| Magnesium | 8390   | B         | 23.7 | 1.1   | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:03 | 1       |
| Manganese | 489    | B         | 0.24 | 0.038 | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:03 | 1       |
| Nickel    | 111    |           | 5.9  | 0.27  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:03 | 1       |
| Potassium | 1940   |           | 35.5 | 23.7  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:03 | 1       |
| Selenium  | 3.7    | J         | 4.7  | 0.47  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:03 | 1       |
| Silver    | 7.6    |           | 0.71 | 0.24  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:03 | 1       |
| Sodium    | 271    |           | 166  | 15.4  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:03 | 1       |
| Thallium  | ND     |           | 7.1  | 0.36  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:03 | 1       |
| Vanadium  | 24.9   |           | 0.59 | 0.13  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:03 | 1       |
| Zinc      | 533    |           | 2.4  | 0.76  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:03 | 1       |

## Method: 7471B - Mercury (CVAA)

| Analyte | Result | Qualifier | RL  | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------|--------|-----------|-----|------|-------|---|----------------|----------------|---------|
| Mercury | 121    |           | 2.4 | 0.55 | mg/Kg | ☆ | 06/24/21 17:36 | 06/24/21 19:42 | 100     |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

Client Sample ID: SS-19-0002

Lab Sample ID: 480-186319-27

Date Collected: 06/21/21 12:50

Matrix: Solid

Date Received: 06/21/21 16:14

Percent Solids: 56.3

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

| Analyte                       | Result | Qualifier | RL    | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|--------|-----------|-------|-------|-------|---|----------------|----------------|---------|
| 2,4,5-Trichlorophenol         | ND     |           | 1500  | 410   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 20:53 | 5       |
| 2,4,6-Trichlorophenol         | ND     |           | 1500  | 300   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 20:53 | 5       |
| 2,4-Dichlorophenol            | ND     |           | 1500  | 160   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 20:53 | 5       |
| 2,4-Dimethylphenol            | ND     |           | 1500  | 360   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 20:53 | 5       |
| 2,4-Dinitrophenol             | ND     |           | 15000 | 6900  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 20:53 | 5       |
| 2,4-Dinitrotoluene            | ND     |           | 1500  | 310   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 20:53 | 5       |
| 2,6-Dinitrotoluene            | ND     |           | 1500  | 180   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 20:53 | 5       |
| 2-Chloronaphthalene           | ND     |           | 1500  | 250   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 20:53 | 5       |
| 2-Chlorophenol                | ND     |           | 2900  | 270   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 20:53 | 5       |
| 2-Methylnaphthalene           | ND     |           | 1500  | 300   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 20:53 | 5       |
| 2-Methylphenol                | ND     |           | 1500  | 180   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 20:53 | 5       |
| 2-Nitroaniline                | ND     |           | 2900  | 220   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 20:53 | 5       |
| 2-Nitrophenol                 | ND     |           | 1500  | 420   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 20:53 | 5       |
| 3,3'-Dichlorobenzidine        | ND     |           | 2900  | 1800  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 20:53 | 5       |
| 3-Nitroaniline                | ND     |           | 2900  | 410   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 20:53 | 5       |
| 4,6-Dinitro-2-methylphenol    | ND     |           | 2900  | 1500  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 20:53 | 5       |
| 4-Bromophenyl phenyl ether    | ND     |           | 1500  | 210   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 20:53 | 5       |
| 4-Chloro-3-methylphenol       | ND     |           | 1500  | 370   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 20:53 | 5       |
| 4-Chloroaniline               | ND     |           | 1500  | 370   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 20:53 | 5       |
| 4-Chlorophenyl phenyl ether   | ND     |           | 1500  | 190   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 20:53 | 5       |
| 4-Methylphenol                | ND     |           | 2900  | 180   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 20:53 | 5       |
| 4-Nitroaniline                | ND     |           | 2900  | 780   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 20:53 | 5       |
| 4-Nitrophenol                 | ND     |           | 2900  | 1000  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 20:53 | 5       |
| Acenaphthene                  | ND     |           | 1500  | 220   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 20:53 | 5       |
| Acenaphthylene                | ND     |           | 1500  | 190   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 20:53 | 5       |
| Acetophenone                  | ND     |           | 1500  | 200   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 20:53 | 5       |
| Anthracene                    | ND     |           | 1500  | 370   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 20:53 | 5       |
| Atrazine                      | ND     |           | 1500  | 520   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 20:53 | 5       |
| Benzaldehyde                  | ND     |           | 1500  | 1200  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 20:53 | 5       |
| Benzo(a)anthracene            | 1000   | J         | 1500  | 150   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 20:53 | 5       |
| Benzo(a)pyrene                | 930    | J         | 1500  | 220   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 20:53 | 5       |
| Benzo(b)fluoranthene          | 1200   | J         | 1500  | 240   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 20:53 | 5       |
| Benzo(g,h,i)perylene          | 590    | J         | 1500  | 160   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 20:53 | 5       |
| Benzo(k)fluoranthene          | 420    | J         | 1500  | 190   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 20:53 | 5       |
| Benzoic acid                  | ND     |           | 42000 | 13000 | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 20:53 | 5       |
| Biphenyl                      | ND     |           | 1500  | 220   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 20:53 | 5       |
| bis (2-chloroisopropyl) ether | ND     |           | 1500  | 300   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 20:53 | 5       |
| Bis(2-chloroethoxy)methane    | ND     |           | 1500  | 320   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 20:53 | 5       |
| Bis(2-chloroethyl)ether       | ND     |           | 1500  | 190   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 20:53 | 5       |
| Bis(2-ethylhexyl) phthalate   | ND     |           | 1500  | 510   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 20:53 | 5       |
| Butyl benzyl phthalate        | ND     |           | 1500  | 250   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 20:53 | 5       |
| Caprolactam                   | ND     |           | 1500  | 450   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 20:53 | 5       |
| Carbazole                     | ND     |           | 1500  | 180   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 20:53 | 5       |
| Chrysene                      | 890    | J         | 1500  | 330   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 20:53 | 5       |
| Dibenz(a,h)anthracene         | ND     |           | 1500  | 260   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 20:53 | 5       |
| Dibenzofuran                  | ND     |           | 1500  | 180   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 20:53 | 5       |
| Diethyl phthalate             | ND     |           | 1500  | 190   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 20:53 | 5       |
| Dimethyl phthalate            | ND     |           | 1500  | 180   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 20:53 | 5       |
| Di-n-butyl phthalate          | ND     |           | 1500  | 260   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 20:53 | 5       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

Client Sample ID: SS-19-0002

Lab Sample ID: 480-186319-27

Date Collected: 06/21/21 12:50

Matrix: Solid

Date Received: 06/21/21 16:14

Percent Solids: 56.3

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

| Analyte                       | Result        | Qualifier | RL   | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|---------------|-----------|------|------|-------|---|----------------|----------------|---------|
| Di-n-octyl phthalate          | ND            |           | 1500 | 180  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 20:53 | 5       |
| <b>Fluoranthene</b>           | <b>1600</b>   |           | 1500 | 160  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 20:53 | 5       |
| Fluorene                      | ND            |           | 1500 | 180  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 20:53 | 5       |
| Hexachlorobenzene             | ND            |           | 1500 | 200  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 20:53 | 5       |
| Hexachlorobutadiene           | ND            |           | 1500 | 220  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 20:53 | 5       |
| Hexachlorocyclopentadiene     | ND            |           | 1500 | 200  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 20:53 | 5       |
| Hexachloroethane              | ND            |           | 1500 | 190  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 20:53 | 5       |
| <b>Indeno(1,2,3-cd)pyrene</b> | <b>610 J</b>  |           | 1500 | 190  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 20:53 | 5       |
| Isophorone                    | ND            |           | 1500 | 320  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 20:53 | 5       |
| Naphthalene                   | ND            |           | 1500 | 190  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 20:53 | 5       |
| Nitrobenzene                  | ND            |           | 1500 | 170  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 20:53 | 5       |
| N-Nitrosodi-n-propylamine     | ND            |           | 1500 | 260  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 20:53 | 5       |
| N-Nitrosodiphenylamine        | ND            |           | 1500 | 1200 | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 20:53 | 5       |
| Pentachlorophenol             | ND            |           | 2900 | 1500 | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 20:53 | 5       |
| <b>Phenanthrene</b>           | <b>970 J</b>  |           | 1500 | 220  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 20:53 | 5       |
| Phenol                        | ND            |           | 1500 | 230  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 20:53 | 5       |
| <b>Pyrene</b>                 | <b>1300 J</b> |           | 1500 | 180  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 20:53 | 5       |

| Surrogate            | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 2,4,6-Tribromophenol | 84        |           | 54 - 120 | 06/29/21 15:10 | 07/01/21 20:53 | 5       |
| 2-Fluorobiphenyl     | 85        |           | 60 - 120 | 06/29/21 15:10 | 07/01/21 20:53 | 5       |
| 2-Fluorophenol       | 77        |           | 52 - 120 | 06/29/21 15:10 | 07/01/21 20:53 | 5       |
| Nitrobenzene-d5      | 80        |           | 53 - 120 | 06/29/21 15:10 | 07/01/21 20:53 | 5       |
| p-Terphenyl-d14      | 87        |           | 79 - 130 | 06/29/21 15:10 | 07/01/21 20:53 | 5       |
| Phenol-d5            | 81        |           | 54 - 120 | 06/29/21 15:10 | 07/01/21 20:53 | 5       |

## Method: 8081B - Organochlorine Pesticides (GC)

| Analyte                | Result      | Qualifier | RL  | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|------------------------|-------------|-----------|-----|-----|-------|---|----------------|----------------|---------|
| 4,4'-DDD               | ND          |           | 29  | 5.7 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 18:08 | 10      |
| <b>4,4'-DDE</b>        | <b>12 J</b> |           | 29  | 6.1 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 18:08 | 10      |
| 4,4'-DDT               | ND          |           | 29  | 6.8 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 18:08 | 10      |
| Aldrin                 | ND          |           | 29  | 7.2 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 18:08 | 10      |
| alpha-BHC              | ND          |           | 29  | 5.3 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 18:08 | 10      |
| beta-BHC               | ND          |           | 29  | 5.3 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 18:08 | 10      |
| cis-Chlordane          | ND          |           | 29  | 15  | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 18:08 | 10      |
| delta-BHC              | ND          |           | 29  | 5.4 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 18:08 | 10      |
| <b>Dieldrin</b>        | <b>20 J</b> |           | 29  | 7.0 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 18:08 | 10      |
| Endosulfan I           | ND          |           | 29  | 5.6 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 18:08 | 10      |
| Endosulfan II          | ND          |           | 29  | 5.3 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 18:08 | 10      |
| Endosulfan sulfate     | ND          |           | 29  | 5.4 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 18:08 | 10      |
| <b>Endrin</b>          | <b>10 J</b> |           | 29  | 5.8 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 18:08 | 10      |
| <b>Endrin aldehyde</b> | <b>34</b>   |           | 29  | 7.5 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 18:08 | 10      |
| Endrin ketone          | ND          |           | 29  | 7.2 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 18:08 | 10      |
| gamma-BHC (Lindane)    | ND          |           | 29  | 5.4 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 18:08 | 10      |
| Heptachlor             | ND          |           | 29  | 6.3 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 18:08 | 10      |
| Heptachlor epoxide     | ND          |           | 29  | 7.5 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 18:08 | 10      |
| Methoxychlor           | ND          |           | 29  | 6.0 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 18:08 | 10      |
| Mirex                  | ND          |           | 29  | 7.1 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 18:08 | 10      |
| Toxaphene              | ND          |           | 290 | 170 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 18:08 | 10      |
| <b>trans-Chlordane</b> | <b>13 J</b> |           | 29  | 9.3 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 18:08 | 10      |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

Client Sample ID: SS-19-0002

Lab Sample ID: 480-186319-27

Date Collected: 06/21/21 12:50

Matrix: Solid

Date Received: 06/21/21 16:14

Percent Solids: 56.3

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| DCB Decachlorobiphenyl | 87        |           | 45 - 120 | 06/28/21 15:10 | 06/29/21 18:08 | 10      |
| DCB Decachlorobiphenyl | 123       | S1+       | 45 - 120 | 06/28/21 15:10 | 06/29/21 18:08 | 10      |
| Tetrachloro-m-xylene   | 0         | S1-       | 30 - 124 | 06/28/21 15:10 | 06/29/21 18:08 | 10      |
| Tetrachloro-m-xylene   | 0         | S1-       | 30 - 124 | 06/28/21 15:10 | 06/29/21 18:08 | 10      |

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

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| PCB-1016 | ND     |           | 0.41 | 0.079 | mg/Kg | ☆ | 06/29/21 08:04 | 06/30/21 07:07 | 1       |
| PCB-1221 | ND     |           | 0.41 | 0.079 | mg/Kg | ☆ | 06/29/21 08:04 | 06/30/21 07:07 | 1       |
| PCB-1232 | ND     |           | 0.41 | 0.079 | mg/Kg | ☆ | 06/29/21 08:04 | 06/30/21 07:07 | 1       |
| PCB-1242 | ND     |           | 0.41 | 0.079 | mg/Kg | ☆ | 06/29/21 08:04 | 06/30/21 07:07 | 1       |
| PCB-1248 | ND     |           | 0.41 | 0.079 | mg/Kg | ☆ | 06/29/21 08:04 | 06/30/21 07:07 | 1       |
| PCB-1254 | ND     |           | 0.41 | 0.19  | mg/Kg | ☆ | 06/29/21 08:04 | 06/30/21 07:07 | 1       |
| PCB-1260 | 2.5    |           | 0.41 | 0.19  | mg/Kg | ☆ | 06/29/21 08:04 | 06/30/21 07:07 | 1       |
| PCB-1262 | ND     |           | 0.41 | 0.19  | mg/Kg | ☆ | 06/29/21 08:04 | 06/30/21 07:07 | 1       |
| PCB-1268 | ND     |           | 0.41 | 0.19  | mg/Kg | ☆ | 06/29/21 08:04 | 06/30/21 07:07 | 1       |

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| Tetrachloro-m-xylene   | 138       |           | 60 - 154 | 06/29/21 08:04 | 06/30/21 07:07 | 1       |
| Tetrachloro-m-xylene   | 145       |           | 60 - 154 | 06/29/21 08:04 | 06/30/21 07:07 | 1       |
| DCB Decachlorobiphenyl | 127       |           | 65 - 174 | 06/29/21 08:04 | 06/30/21 07:07 | 1       |
| DCB Decachlorobiphenyl | 118       |           | 65 - 174 | 06/29/21 08:04 | 06/30/21 07:07 | 1       |

## Method: 6010C - Metals (ICP)

| Analyte   | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| Aluminum  | 10900  |           | 18.5 | 8.2   | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:06 | 1       |
| Antimony  | ND     |           | 27.8 | 0.74  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:06 | 1       |
| Arsenic   | 7.7    |           | 3.7  | 0.74  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:06 | 1       |
| Barium    | 135    | ^6+       | 0.93 | 0.20  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:06 | 1       |
| Beryllium | 0.52   |           | 0.37 | 0.052 | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:06 | 1       |
| Cadmium   | 5.4    |           | 0.37 | 0.056 | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:06 | 1       |
| Calcium   | 124000 | B         | 92.7 | 6.1   | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:06 | 1       |
| Chromium  | 98.9   |           | 0.93 | 0.37  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:06 | 1       |
| Cobalt    | 11.3   |           | 0.93 | 0.093 | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:06 | 1       |
| Copper    | 114    |           | 1.9  | 0.39  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:06 | 1       |
| Iron      | 24300  | B ^+      | 18.5 | 6.5   | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:06 | 1       |
| Lead      | 138    |           | 1.9  | 0.45  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:06 | 1       |
| Magnesium | 57500  | B         | 37.1 | 1.7   | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:06 | 1       |
| Manganese | 1160   | B         | 0.37 | 0.059 | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:06 | 1       |
| Nickel    | 51.3   |           | 9.3  | 0.43  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:06 | 1       |
| Potassium | 2340   |           | 55.6 | 37.1  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:06 | 1       |
| Selenium  | 2.5    | J         | 7.4  | 0.74  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:06 | 1       |
| Silver    | 2.9    |           | 1.1  | 0.37  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:06 | 1       |
| Sodium    | 256    | J         | 260  | 24.1  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:06 | 1       |
| Thallium  | ND     |           | 11.1 | 0.56  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:06 | 1       |
| Vanadium  | 31.1   |           | 0.93 | 0.20  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:06 | 1       |
| Zinc      | 427    |           | 3.7  | 1.2   | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:06 | 1       |

## Method: 7471B - Mercury (CVAA)

| Analyte | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| Mercury | 0.56   |           | 0.10 | 0.024 | mg/Kg | ☆ | 07/01/21 13:35 | 07/01/21 15:19 | 1       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

Client Sample ID: SS-19-0212

Lab Sample ID: 480-186319-28

Date Collected: 06/21/21 12:55

Matrix: Solid

Date Received: 06/21/21 16:14

Percent Solids: 70.1

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

| Analyte                       | Result      | Qualifier | RL   | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|-------------|-----------|------|------|-------|---|----------------|----------------|---------|
| 2,4,5-Trichlorophenol         | ND          |           | 240  | 65   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 21:17 | 1       |
| 2,4,6-Trichlorophenol         | ND          |           | 240  | 48   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 21:17 | 1       |
| 2,4-Dichlorophenol            | ND          |           | 240  | 25   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 21:17 | 1       |
| 2,4-Dimethylphenol            | ND          |           | 240  | 58   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 21:17 | 1       |
| 2,4-Dinitrophenol             | ND          |           | 2300 | 1100 | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 21:17 | 1       |
| 2,4-Dinitrotoluene            | ND          |           | 240  | 49   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 21:17 | 1       |
| 2,6-Dinitrotoluene            | ND          |           | 240  | 28   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 21:17 | 1       |
| 2-Chloronaphthalene           | ND          |           | 240  | 40   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 21:17 | 1       |
| 2-Chlorophenol                | ND          |           | 470  | 44   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 21:17 | 1       |
| <b>2-Methylnaphthalene</b>    | <b>120</b>  | <b>J</b>  | 240  | 48   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 21:17 | 1       |
| 2-Methylphenol                | ND          |           | 240  | 28   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 21:17 | 1       |
| 2-Nitroaniline                | ND          |           | 470  | 35   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 21:17 | 1       |
| 2-Nitrophenol                 | ND          |           | 240  | 68   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 21:17 | 1       |
| 3,3'-Dichlorobenzidine        | ND          |           | 470  | 280  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 21:17 | 1       |
| 3-Nitroaniline                | ND          |           | 470  | 66   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 21:17 | 1       |
| 4,6-Dinitro-2-methylphenol    | ND          |           | 470  | 240  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 21:17 | 1       |
| 4-Bromophenyl phenyl ether    | ND          |           | 240  | 34   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 21:17 | 1       |
| 4-Chloro-3-methylphenol       | ND          |           | 240  | 59   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 21:17 | 1       |
| 4-Chloroaniline               | ND          |           | 240  | 59   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 21:17 | 1       |
| 4-Chlorophenyl phenyl ether   | ND          |           | 240  | 30   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 21:17 | 1       |
| 4-Methylphenol                | ND          |           | 470  | 28   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 21:17 | 1       |
| 4-Nitroaniline                | ND          |           | 470  | 130  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 21:17 | 1       |
| 4-Nitrophenol                 | ND          |           | 470  | 170  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 21:17 | 1       |
| <b>Acenaphthene</b>           | <b>330</b>  |           | 240  | 35   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 21:17 | 1       |
| <b>Acenaphthylene</b>         | <b>320</b>  |           | 240  | 31   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 21:17 | 1       |
| Acetophenone                  | ND          |           | 240  | 32   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 21:17 | 1       |
| <b>Anthracene</b>             | <b>1200</b> |           | 240  | 59   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 21:17 | 1       |
| Atrazine                      | ND          |           | 240  | 83   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 21:17 | 1       |
| Benzaldehyde                  | ND          |           | 240  | 190  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 21:17 | 1       |
| <b>Benzo(a)anthracene</b>     | <b>3400</b> |           | 240  | 24   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 21:17 | 1       |
| <b>Benzo(a)pyrene</b>         | <b>3200</b> |           | 240  | 35   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 21:17 | 1       |
| <b>Benzo(b)fluoranthene</b>   | <b>4100</b> |           | 240  | 38   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 21:17 | 1       |
| <b>Benzo(g,h,i)perylene</b>   | <b>1500</b> |           | 240  | 25   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 21:17 | 1       |
| <b>Benzo(k)fluoranthene</b>   | <b>1700</b> |           | 240  | 31   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 21:17 | 1       |
| Benzoic acid                  | ND          |           | 6800 | 2100 | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 21:17 | 1       |
| Biphenyl                      | ND          |           | 240  | 35   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 21:17 | 1       |
| bis (2-chloroisopropyl) ether | ND          |           | 240  | 48   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 21:17 | 1       |
| Bis(2-chloroethoxy)methane    | ND          |           | 240  | 51   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 21:17 | 1       |
| Bis(2-chloroethyl)ether       | ND          |           | 240  | 31   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 21:17 | 1       |
| Bis(2-ethylhexyl) phthalate   | ND          |           | 240  | 82   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 21:17 | 1       |
| Butyl benzyl phthalate        | ND          |           | 240  | 40   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 21:17 | 1       |
| Caprolactam                   | ND          |           | 240  | 72   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 21:17 | 1       |
| <b>Carbazole</b>              | <b>740</b>  |           | 240  | 28   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 21:17 | 1       |
| <b>Chrysene</b>               | <b>3400</b> |           | 240  | 54   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 21:17 | 1       |
| <b>Dibenz(a,h)anthracene</b>  | <b>530</b>  |           | 240  | 42   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 21:17 | 1       |
| <b>Dibenzofuran</b>           | <b>280</b>  |           | 240  | 28   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 21:17 | 1       |
| Diethyl phthalate             | ND          |           | 240  | 31   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 21:17 | 1       |
| Dimethyl phthalate            | ND          |           | 240  | 28   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 21:17 | 1       |
| Di-n-butyl phthalate          | ND          |           | 240  | 41   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 21:17 | 1       |

Eurofins TestAmerica, Buffalo

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

Client Sample ID: SS-19-0212

Lab Sample ID: 480-186319-28

Date Collected: 06/21/21 12:55

Matrix: Solid

Date Received: 06/21/21 16:14

Percent Solids: 70.1

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

| Analyte                   | Result | Qualifier | RL  | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------------|--------|-----------|-----|-----|-------|---|----------------|----------------|---------|
| Di-n-octyl phthalate      | ND     |           | 240 | 28  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 21:17 | 1       |
| Fluoranthene              | 6500   |           | 240 | 25  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 21:17 | 1       |
| Fluorene                  | 620    |           | 240 | 28  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 21:17 | 1       |
| Hexachlorobenzene         | ND     |           | 240 | 32  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 21:17 | 1       |
| Hexachlorobutadiene       | ND     |           | 240 | 35  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 21:17 | 1       |
| Hexachlorocyclopentadiene | ND     |           | 240 | 32  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 21:17 | 1       |
| Hexachloroethane          | ND     |           | 240 | 31  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 21:17 | 1       |
| Indeno(1,2,3-cd)pyrene    | 1600   |           | 240 | 30  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 21:17 | 1       |
| Isophorone                | ND     |           | 240 | 51  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 21:17 | 1       |
| Naphthalene               | 190 J  |           | 240 | 31  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 21:17 | 1       |
| Nitrobenzene              | ND     |           | 240 | 27  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 21:17 | 1       |
| N-Nitrosodi-n-propylamine | ND     |           | 240 | 41  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 21:17 | 1       |
| N-Nitrosodiphenylamine    | ND     |           | 240 | 190 | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 21:17 | 1       |
| Pentachlorophenol         | ND     |           | 470 | 240 | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 21:17 | 1       |
| Phenanthrene              | 4600   |           | 240 | 35  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 21:17 | 1       |
| Phenol                    | ND     |           | 240 | 37  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 21:17 | 1       |
| Pyrene                    | 5100   |           | 240 | 28  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 21:17 | 1       |

| Surrogate            | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 2,4,6-Tribromophenol | 93        |           | 54 - 120 | 06/29/21 15:10 | 07/01/21 21:17 | 1       |
| 2-Fluorobiphenyl     | 86        |           | 60 - 120 | 06/29/21 15:10 | 07/01/21 21:17 | 1       |
| 2-Fluorophenol       | 78        |           | 52 - 120 | 06/29/21 15:10 | 07/01/21 21:17 | 1       |
| Nitrobenzene-d5      | 87        |           | 53 - 120 | 06/29/21 15:10 | 07/01/21 21:17 | 1       |
| p-Terphenyl-d14      | 85        |           | 79 - 130 | 06/29/21 15:10 | 07/01/21 21:17 | 1       |
| Phenol-d5            | 80        |           | 54 - 120 | 06/29/21 15:10 | 07/01/21 21:17 | 1       |

## Method: 8081B - Organochlorine Pesticides (GC)

| Analyte             | Result | Qualifier | RL  | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|--------|-----------|-----|-----|-------|---|----------------|----------------|---------|
| 4,4'-DDD            | 32 J   |           | 48  | 9.2 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 18:28 | 20      |
| 4,4'-DDE            | 56     |           | 48  | 10  | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 18:28 | 20      |
| 4,4'-DDT            | 340    |           | 48  | 11  | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 18:28 | 20      |
| Aldrin              | ND     |           | 48  | 12  | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 18:28 | 20      |
| alpha-BHC           | ND     |           | 48  | 8.5 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 18:28 | 20      |
| beta-BHC            | ND     |           | 48  | 8.5 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 18:28 | 20      |
| cis-Chlordane       | ND     |           | 48  | 24  | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 18:28 | 20      |
| delta-BHC           | ND     |           | 48  | 8.8 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 18:28 | 20      |
| Dieldrin            | 43 J   |           | 48  | 11  | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 18:28 | 20      |
| Endosulfan I        | ND     |           | 48  | 9.1 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 18:28 | 20      |
| Endosulfan II       | ND     |           | 48  | 8.5 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 18:28 | 20      |
| Endosulfan sulfate  | ND     |           | 48  | 8.9 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 18:28 | 20      |
| Endrin              | 17 J   |           | 48  | 9.4 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 18:28 | 20      |
| Endrin aldehyde     | 30 J   |           | 48  | 12  | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 18:28 | 20      |
| Endrin ketone       | ND     |           | 48  | 12  | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 18:28 | 20      |
| gamma-BHC (Lindane) | ND     |           | 48  | 8.7 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 18:28 | 20      |
| Heptachlor          | ND     |           | 48  | 10  | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 18:28 | 20      |
| Heptachlor epoxide  | ND     |           | 48  | 12  | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 18:28 | 20      |
| Methoxychlor        | 40 J   |           | 48  | 9.7 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 18:28 | 20      |
| Mirex               | ND     |           | 48  | 12  | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 18:28 | 20      |
| Toxaphene           | ND     |           | 480 | 280 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 18:28 | 20      |
| trans-Chlordane     | 18 J   |           | 48  | 15  | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 18:28 | 20      |

Eurofins TestAmerica, Buffalo



# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

Client Sample ID: SS-19-0212

Lab Sample ID: 480-186319-28

Date Collected: 06/21/21 12:55

Matrix: Solid

Date Received: 06/21/21 16:14

Percent Solids: 70.1

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| DCB Decachlorobiphenyl | 156       | S1+       | 45 - 120 | 06/28/21 15:10 | 06/29/21 18:28 | 20      |
| DCB Decachlorobiphenyl | 614       | S1+       | 45 - 120 | 06/28/21 15:10 | 06/29/21 18:28 | 20      |
| Tetrachloro-m-xylene   | 0         | S1-       | 30 - 124 | 06/28/21 15:10 | 06/29/21 18:28 | 20      |
| Tetrachloro-m-xylene   | 0         | S1-       | 30 - 124 | 06/28/21 15:10 | 06/29/21 18:28 | 20      |

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

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| PCB-1016 | ND     |           | 0.35 | 0.069 | mg/Kg | ☆ | 06/30/21 15:12 | 07/01/21 15:19 | 1       |
| PCB-1221 | ND     |           | 0.35 | 0.069 | mg/Kg | ☆ | 06/30/21 15:12 | 07/01/21 15:19 | 1       |
| PCB-1232 | ND     |           | 0.35 | 0.069 | mg/Kg | ☆ | 06/30/21 15:12 | 07/01/21 15:19 | 1       |
| PCB-1242 | ND     |           | 0.35 | 0.069 | mg/Kg | ☆ | 06/30/21 15:12 | 07/01/21 15:19 | 1       |
| PCB-1248 | ND     |           | 0.35 | 0.069 | mg/Kg | ☆ | 06/30/21 15:12 | 07/01/21 15:19 | 1       |
| PCB-1254 | ND     |           | 0.35 | 0.16  | mg/Kg | ☆ | 06/30/21 15:12 | 07/01/21 15:19 | 1       |
| PCB-1260 | 4.3    |           | 0.35 | 0.16  | mg/Kg | ☆ | 06/30/21 15:12 | 07/01/21 15:19 | 1       |
| PCB-1262 | ND     |           | 0.35 | 0.16  | mg/Kg | ☆ | 06/30/21 15:12 | 07/01/21 15:19 | 1       |
| PCB-1268 | ND     |           | 0.35 | 0.16  | mg/Kg | ☆ | 06/30/21 15:12 | 07/01/21 15:19 | 1       |

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| Tetrachloro-m-xylene   | 95        |           | 60 - 154 | 06/30/21 15:12 | 07/01/21 15:19 | 1       |
| Tetrachloro-m-xylene   | 99        |           | 60 - 154 | 06/30/21 15:12 | 07/01/21 15:19 | 1       |
| DCB Decachlorobiphenyl | 111       |           | 65 - 174 | 06/30/21 15:12 | 07/01/21 15:19 | 1       |
| DCB Decachlorobiphenyl | 108       |           | 65 - 174 | 06/30/21 15:12 | 07/01/21 15:19 | 1       |

## Method: 6010C - Metals (ICP)

| Analyte   | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| Aluminum  | 15700  |           | 14.6 | 6.4   | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:10 | 1       |
| Antimony  | 1.9    | J         | 21.8 | 0.58  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:10 | 1       |
| Arsenic   | 12.9   |           | 2.9  | 0.58  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:10 | 1       |
| Barium    | 709    | ^6+       | 0.73 | 0.16  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:10 | 1       |
| Beryllium | 0.73   |           | 0.29 | 0.041 | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:10 | 1       |
| Cadmium   | 10.8   |           | 0.29 | 0.044 | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:10 | 1       |
| Calcium   | 33100  | B         | 72.8 | 4.8   | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:10 | 1       |
| Chromium  | 270    |           | 0.73 | 0.29  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:10 | 1       |
| Cobalt    | 15.0   |           | 0.73 | 0.073 | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:10 | 1       |
| Copper    | 466    |           | 1.5  | 0.31  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:10 | 1       |
| Iron      | 41400  | B ^+      | 14.6 | 5.1   | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:10 | 1       |
| Lead      | 622    |           | 1.5  | 0.35  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:10 | 1       |
| Magnesium | 12800  | B         | 29.1 | 1.4   | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:10 | 1       |
| Manganese | 692    | B         | 0.29 | 0.047 | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:10 | 1       |
| Nickel    | 170    |           | 7.3  | 0.33  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:10 | 1       |
| Potassium | 2110   |           | 43.7 | 29.1  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:10 | 1       |
| Selenium  | 4.5    | J         | 5.8  | 0.58  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:10 | 1       |
| Silver    | 5.6    |           | 0.87 | 0.29  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:10 | 1       |
| Sodium    | 244    |           | 204  | 18.9  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:10 | 1       |
| Thallium  | ND     |           | 8.7  | 0.44  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:10 | 1       |
| Vanadium  | 32.0   |           | 0.73 | 0.16  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:10 | 1       |
| Zinc      | 879    |           | 2.9  | 0.93  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:10 | 1       |

## Method: 7471B - Mercury (CVAA)

| Analyte | Result | Qualifier | RL    | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------|--------|-----------|-------|-------|-------|---|----------------|----------------|---------|
| Mercury | 1.4    |           | 0.070 | 0.016 | mg/Kg | ☆ | 07/01/21 13:35 | 07/01/21 15:20 | 1       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

Client Sample ID: SS-20-0002

Lab Sample ID: 480-186319-29

Date Collected: 06/21/21 13:00

Matrix: Solid

Date Received: 06/21/21 16:14

Percent Solids: 71.7

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

| Analyte                       | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|--------|-----------|------|------|-------|---|----------------|----------------|---------|
| 2,4,5-Trichlorophenol         | ND     |           | 230  | 62   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 21:40 | 1       |
| 2,4,6-Trichlorophenol         | ND     |           | 230  | 46   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 21:40 | 1       |
| 2,4-Dichlorophenol            | ND     |           | 230  | 24   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 21:40 | 1       |
| 2,4-Dimethylphenol            | ND     |           | 230  | 56   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 21:40 | 1       |
| 2,4-Dinitrophenol             | ND     |           | 2300 | 1100 | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 21:40 | 1       |
| 2,4-Dinitrotoluene            | ND     |           | 230  | 48   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 21:40 | 1       |
| 2,6-Dinitrotoluene            | ND     |           | 230  | 27   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 21:40 | 1       |
| 2-Chloronaphthalene           | ND     |           | 230  | 38   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 21:40 | 1       |
| 2-Chlorophenol                | ND     |           | 450  | 42   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 21:40 | 1       |
| 2-Methylnaphthalene           | ND     |           | 230  | 46   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 21:40 | 1       |
| 2-Methylphenol                | ND     |           | 230  | 27   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 21:40 | 1       |
| 2-Nitroaniline                | ND     |           | 450  | 34   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 21:40 | 1       |
| 2-Nitrophenol                 | ND     |           | 230  | 65   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 21:40 | 1       |
| 3,3'-Dichlorobenzidine        | ND     |           | 450  | 270  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 21:40 | 1       |
| 3-Nitroaniline                | ND     |           | 450  | 64   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 21:40 | 1       |
| 4,6-Dinitro-2-methylphenol    | ND     |           | 450  | 230  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 21:40 | 1       |
| 4-Bromophenyl phenyl ether    | ND     |           | 230  | 33   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 21:40 | 1       |
| 4-Chloro-3-methylphenol       | ND     |           | 230  | 57   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 21:40 | 1       |
| 4-Chloroaniline               | ND     |           | 230  | 57   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 21:40 | 1       |
| 4-Chlorophenyl phenyl ether   | ND     |           | 230  | 29   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 21:40 | 1       |
| 4-Methylphenol                | ND     |           | 450  | 27   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 21:40 | 1       |
| 4-Nitroaniline                | ND     |           | 450  | 120  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 21:40 | 1       |
| 4-Nitrophenol                 | ND     |           | 450  | 160  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 21:40 | 1       |
| Acenaphthene                  | ND     |           | 230  | 34   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 21:40 | 1       |
| Acenaphthylene                | ND     |           | 230  | 30   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 21:40 | 1       |
| Acetophenone                  | ND     |           | 230  | 31   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 21:40 | 1       |
| Anthracene                    | 78 J   |           | 230  | 57   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 21:40 | 1       |
| Atrazine                      | ND     |           | 230  | 80   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 21:40 | 1       |
| Benzaldehyde                  | ND     |           | 230  | 180  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 21:40 | 1       |
| Benzo(a)anthracene            | 320    |           | 230  | 23   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 21:40 | 1       |
| Benzo(a)pyrene                | 300    |           | 230  | 34   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 21:40 | 1       |
| Benzo(b)fluoranthene          | 390    |           | 230  | 37   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 21:40 | 1       |
| Benzo(g,h,i)perylene          | 180 J  |           | 230  | 24   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 21:40 | 1       |
| Benzo(k)fluoranthene          | 140 J  |           | 230  | 30   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 21:40 | 1       |
| Benzoic acid                  | ND     |           | 6500 | 2000 | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 21:40 | 1       |
| Biphenyl                      | ND     |           | 230  | 34   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 21:40 | 1       |
| bis (2-chloroisopropyl) ether | ND     |           | 230  | 46   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 21:40 | 1       |
| Bis(2-chloroethoxy)methane    | ND     |           | 230  | 49   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 21:40 | 1       |
| Bis(2-chloroethyl)ether       | ND     |           | 230  | 30   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 21:40 | 1       |
| Bis(2-ethylhexyl) phthalate   | ND     |           | 230  | 79   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 21:40 | 1       |
| Butyl benzyl phthalate        | ND     |           | 230  | 38   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 21:40 | 1       |
| Caprolactam                   | ND     |           | 230  | 69   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 21:40 | 1       |
| Carbazole                     | 47 J   |           | 230  | 27   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 21:40 | 1       |
| Chrysene                      | 320    |           | 230  | 52   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 21:40 | 1       |
| Dibenz(a,h)anthracene         | 55 J   |           | 230  | 41   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 21:40 | 1       |
| Dibenzofuran                  | ND     |           | 230  | 27   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 21:40 | 1       |
| Diethyl phthalate             | ND     |           | 230  | 30   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 21:40 | 1       |
| Dimethyl phthalate            | ND     |           | 230  | 27   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 21:40 | 1       |
| Di-n-butyl phthalate          | 43 J B |           | 230  | 39   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 21:40 | 1       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

Client Sample ID: SS-20-0002

Lab Sample ID: 480-186319-29

Date Collected: 06/21/21 13:00

Matrix: Solid

Date Received: 06/21/21 16:14

Percent Solids: 71.7

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

| Analyte                       | Result     | Qualifier | RL  | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|------------|-----------|-----|-----|-------|---|----------------|----------------|---------|
| Di-n-octyl phthalate          | ND         |           | 230 | 27  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 21:40 | 1       |
| <b>Fluoranthene</b>           | <b>610</b> |           | 230 | 24  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 21:40 | 1       |
| Fluorene                      | ND         |           | 230 | 27  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 21:40 | 1       |
| Hexachlorobenzene             | ND         |           | 230 | 31  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 21:40 | 1       |
| Hexachlorobutadiene           | ND         |           | 230 | 34  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 21:40 | 1       |
| Hexachlorocyclopentadiene     | ND         |           | 230 | 31  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 21:40 | 1       |
| Hexachloroethane              | ND         |           | 230 | 30  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 21:40 | 1       |
| <b>Indeno(1,2,3-cd)pyrene</b> | <b>180</b> | <b>J</b>  | 230 | 29  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 21:40 | 1       |
| Isophorone                    | ND         |           | 230 | 49  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 21:40 | 1       |
| Naphthalene                   | ND         |           | 230 | 30  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 21:40 | 1       |
| Nitrobenzene                  | ND         |           | 230 | 26  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 21:40 | 1       |
| N-Nitrosodi-n-propylamine     | ND         |           | 230 | 39  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 21:40 | 1       |
| N-Nitrosodiphenylamine        | ND         |           | 230 | 190 | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 21:40 | 1       |
| Pentachlorophenol             | ND         |           | 450 | 230 | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 21:40 | 1       |
| <b>Phenanthrene</b>           | <b>320</b> |           | 230 | 34  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 21:40 | 1       |
| <b>Phenol</b>                 | <b>41</b>  | <b>J</b>  | 230 | 35  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 21:40 | 1       |
| <b>Pyrene</b>                 | <b>530</b> |           | 230 | 27  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 21:40 | 1       |

| Surrogate            | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 2,4,6-Tribromophenol | 84        |           | 54 - 120 | 06/29/21 15:10 | 07/01/21 21:40 | 1       |
| 2-Fluorobiphenyl     | 80        |           | 60 - 120 | 06/29/21 15:10 | 07/01/21 21:40 | 1       |
| 2-Fluorophenol       | 68        |           | 52 - 120 | 06/29/21 15:10 | 07/01/21 21:40 | 1       |
| Nitrobenzene-d5      | 76        |           | 53 - 120 | 06/29/21 15:10 | 07/01/21 21:40 | 1       |
| p-Terphenyl-d14      | 82        |           | 79 - 130 | 06/29/21 15:10 | 07/01/21 21:40 | 1       |
| Phenol-d5            | 70        |           | 54 - 120 | 06/29/21 15:10 | 07/01/21 21:40 | 1       |

## Method: 8081B - Organochlorine Pesticides (GC)

| Analyte                | Result      | Qualifier | RL  | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|------------------------|-------------|-----------|-----|------|-------|---|----------------|----------------|---------|
| 4,4'-DDD               | ND          |           | 2.3 | 0.44 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 18:47 | 1       |
| 4,4'-DDE               | ND          |           | 2.3 | 0.48 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 18:47 | 1       |
| <b>4,4'-DDT</b>        | <b>4.3</b>  |           | 2.3 | 0.53 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 18:47 | 1       |
| Aldrin                 | ND          |           | 2.3 | 0.56 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 18:47 | 1       |
| alpha-BHC              | ND          |           | 2.3 | 0.41 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 18:47 | 1       |
| beta-BHC               | ND          |           | 2.3 | 0.41 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 18:47 | 1       |
| cis-Chlordane          | ND          |           | 2.3 | 1.1  | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 18:47 | 1       |
| delta-BHC              | ND          |           | 2.3 | 0.42 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 18:47 | 1       |
| <b>Dieldrin</b>        | <b>0.59</b> | <b>J</b>  | 2.3 | 0.54 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 18:47 | 1       |
| Endosulfan I           | ND          |           | 2.3 | 0.44 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 18:47 | 1       |
| Endosulfan II          | ND          |           | 2.3 | 0.41 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 18:47 | 1       |
| Endosulfan sulfate     | ND          |           | 2.3 | 0.42 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 18:47 | 1       |
| Endrin                 | ND          |           | 2.3 | 0.45 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 18:47 | 1       |
| <b>Endrin aldehyde</b> | <b>2.1</b>  | <b>J</b>  | 2.3 | 0.58 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 18:47 | 1       |
| Endrin ketone          | ND          |           | 2.3 | 0.56 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 18:47 | 1       |
| gamma-BHC (Lindane)    | ND          |           | 2.3 | 0.42 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 18:47 | 1       |
| Heptachlor             | ND          |           | 2.3 | 0.49 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 18:47 | 1       |
| Heptachlor epoxide     | ND          |           | 2.3 | 0.59 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 18:47 | 1       |
| Methoxychlor           | ND          |           | 2.3 | 0.46 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 18:47 | 1       |
| <b>Mirex</b>           | <b>1.9</b>  | <b>J</b>  | 2.3 | 0.56 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 18:47 | 1       |
| Toxaphene              | ND          |           | 23  | 13   | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 18:47 | 1       |
| trans-Chlordane        | ND          |           | 2.3 | 0.72 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 18:47 | 1       |

Eurofins TestAmerica, Buffalo

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

Client Sample ID: SS-20-0002

Lab Sample ID: 480-186319-29

Date Collected: 06/21/21 13:00

Matrix: Solid

Date Received: 06/21/21 16:14

Percent Solids: 71.7

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| DCB Decachlorobiphenyl | 79        |           | 45 - 120 | 06/28/21 15:10 | 06/29/21 18:47 | 1       |
| DCB Decachlorobiphenyl | 155       | S1+       | 45 - 120 | 06/28/21 15:10 | 06/29/21 18:47 | 1       |
| Tetrachloro-m-xylene   | 80        |           | 30 - 124 | 06/28/21 15:10 | 06/29/21 18:47 | 1       |
| Tetrachloro-m-xylene   | 69        |           | 30 - 124 | 06/28/21 15:10 | 06/29/21 18:47 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| PCB-1016 | ND     |           | 0.33 | 0.065 | mg/Kg | ✱ | 06/30/21 15:12 | 07/01/21 15:31 | 1       |
| PCB-1221 | ND     |           | 0.33 | 0.065 | mg/Kg | ✱ | 06/30/21 15:12 | 07/01/21 15:31 | 1       |
| PCB-1232 | ND     |           | 0.33 | 0.065 | mg/Kg | ✱ | 06/30/21 15:12 | 07/01/21 15:31 | 1       |
| PCB-1242 | ND     |           | 0.33 | 0.065 | mg/Kg | ✱ | 06/30/21 15:12 | 07/01/21 15:31 | 1       |
| PCB-1248 | ND     |           | 0.33 | 0.065 | mg/Kg | ✱ | 06/30/21 15:12 | 07/01/21 15:31 | 1       |
| PCB-1254 | ND     |           | 0.33 | 0.16  | mg/Kg | ✱ | 06/30/21 15:12 | 07/01/21 15:31 | 1       |
| PCB-1260 | ND     |           | 0.33 | 0.16  | mg/Kg | ✱ | 06/30/21 15:12 | 07/01/21 15:31 | 1       |
| PCB-1262 | ND     |           | 0.33 | 0.16  | mg/Kg | ✱ | 06/30/21 15:12 | 07/01/21 15:31 | 1       |
| PCB-1268 | ND     |           | 0.33 | 0.16  | mg/Kg | ✱ | 06/30/21 15:12 | 07/01/21 15:31 | 1       |

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| Tetrachloro-m-xylene   | 99        |           | 60 - 154 | 06/30/21 15:12 | 07/01/21 15:31 | 1       |
| Tetrachloro-m-xylene   | 102       |           | 60 - 154 | 06/30/21 15:12 | 07/01/21 15:31 | 1       |
| DCB Decachlorobiphenyl | 94        |           | 65 - 174 | 06/30/21 15:12 | 07/01/21 15:31 | 1       |
| DCB Decachlorobiphenyl | 94        |           | 65 - 174 | 06/30/21 15:12 | 07/01/21 15:31 | 1       |

## Method: 6010C - Metals (ICP)

| Analyte   | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| Aluminum  | 12600  |           | 13.7 | 6.0   | mg/Kg | ✱ | 06/24/21 11:32 | 06/25/21 15:14 | 1       |
| Antimony  | ND     |           | 20.6 | 0.55  | mg/Kg | ✱ | 06/24/21 11:32 | 06/25/21 15:14 | 1       |
| Arsenic   | 4.8    |           | 2.7  | 0.55  | mg/Kg | ✱ | 06/24/21 11:32 | 06/25/21 15:14 | 1       |
| Barium    | 76.0   | ^6+       | 0.69 | 0.15  | mg/Kg | ✱ | 06/24/21 11:32 | 06/25/21 15:14 | 1       |
| Beryllium | 0.46   |           | 0.27 | 0.038 | mg/Kg | ✱ | 06/24/21 11:32 | 06/25/21 15:14 | 1       |
| Cadmium   | 3.7    |           | 0.27 | 0.041 | mg/Kg | ✱ | 06/24/21 11:32 | 06/25/21 15:14 | 1       |
| Calcium   | 10700  | B         | 68.7 | 4.5   | mg/Kg | ✱ | 06/24/21 11:32 | 06/25/21 15:14 | 1       |
| Chromium  | 25.3   |           | 0.69 | 0.27  | mg/Kg | ✱ | 06/24/21 11:32 | 06/25/21 15:14 | 1       |
| Cobalt    | 6.3    |           | 0.69 | 0.069 | mg/Kg | ✱ | 06/24/21 11:32 | 06/25/21 15:14 | 1       |
| Copper    | 32.4   |           | 1.4  | 0.29  | mg/Kg | ✱ | 06/24/21 11:32 | 06/25/21 15:14 | 1       |
| Iron      | 22200  | B ^+      | 13.7 | 4.8   | mg/Kg | ✱ | 06/24/21 11:32 | 06/25/21 15:14 | 1       |
| Lead      | 126    |           | 1.4  | 0.33  | mg/Kg | ✱ | 06/24/21 11:32 | 06/25/21 15:14 | 1       |
| Magnesium | 4610   | B         | 27.5 | 1.3   | mg/Kg | ✱ | 06/24/21 11:32 | 06/25/21 15:14 | 1       |
| Manganese | 290    | B         | 0.27 | 0.044 | mg/Kg | ✱ | 06/24/21 11:32 | 06/25/21 15:14 | 1       |
| Nickel    | 26.3   |           | 6.9  | 0.32  | mg/Kg | ✱ | 06/24/21 11:32 | 06/25/21 15:14 | 1       |
| Potassium | 1740   |           | 41.2 | 27.5  | mg/Kg | ✱ | 06/24/21 11:32 | 06/25/21 15:14 | 1       |
| Selenium  | 1.9    | J         | 5.5  | 0.55  | mg/Kg | ✱ | 06/24/21 11:32 | 06/25/21 15:14 | 1       |
| Silver    | ND     |           | 0.82 | 0.27  | mg/Kg | ✱ | 06/24/21 11:32 | 06/25/21 15:14 | 1       |
| Sodium    | 102    | J         | 192  | 17.9  | mg/Kg | ✱ | 06/24/21 11:32 | 06/25/21 15:14 | 1       |
| Thallium  | ND     |           | 8.2  | 0.41  | mg/Kg | ✱ | 06/24/21 11:32 | 06/25/21 15:14 | 1       |
| Vanadium  | 26.7   |           | 0.69 | 0.15  | mg/Kg | ✱ | 06/24/21 11:32 | 06/25/21 15:14 | 1       |
| Zinc      | 274    |           | 2.7  | 0.88  | mg/Kg | ✱ | 06/24/21 11:32 | 06/25/21 15:14 | 1       |

## Method: 7471B - Mercury (CVAA)

| Analyte | Result | Qualifier | RL    | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------|--------|-----------|-------|-------|-------|---|----------------|----------------|---------|
| Mercury | 0.12   |           | 0.079 | 0.018 | mg/Kg | ✱ | 07/01/21 13:35 | 07/01/21 15:21 | 1       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

Client Sample ID: SS-20-0212

Lab Sample ID: 480-186319-30

Date Collected: 06/21/21 13:05

Matrix: Solid

Date Received: 06/21/21 16:14

Percent Solids: 69.4

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

| Analyte                       | Result | Qualifier | RL    | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|--------|-----------|-------|-------|-------|---|----------------|----------------|---------|
| 2,4,5-Trichlorophenol         | ND     |           | 1200  | 330   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 22:04 | 5       |
| 2,4,6-Trichlorophenol         | ND     |           | 1200  | 240   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 22:04 | 5       |
| 2,4-Dichlorophenol            | ND     |           | 1200  | 130   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 22:04 | 5       |
| 2,4-Dimethylphenol            | ND     |           | 1200  | 290   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 22:04 | 5       |
| 2,4-Dinitrophenol             | ND     |           | 12000 | 5600  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 22:04 | 5       |
| 2,4-Dinitrotoluene            | ND     |           | 1200  | 250   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 22:04 | 5       |
| 2,6-Dinitrotoluene            | ND     |           | 1200  | 140   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 22:04 | 5       |
| 2-Chloronaphthalene           | ND     |           | 1200  | 200   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 22:04 | 5       |
| 2-Chlorophenol                | ND     |           | 2400  | 220   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 22:04 | 5       |
| 2-Methylnaphthalene           | ND     |           | 1200  | 240   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 22:04 | 5       |
| 2-Methylphenol                | ND     |           | 1200  | 140   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 22:04 | 5       |
| 2-Nitroaniline                | ND     |           | 2400  | 180   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 22:04 | 5       |
| 2-Nitrophenol                 | ND     |           | 1200  | 340   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 22:04 | 5       |
| 3,3'-Dichlorobenzidine        | ND     |           | 2400  | 1400  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 22:04 | 5       |
| 3-Nitroaniline                | ND     |           | 2400  | 340   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 22:04 | 5       |
| 4,6-Dinitro-2-methylphenol    | ND     |           | 2400  | 1200  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 22:04 | 5       |
| 4-Bromophenyl phenyl ether    | ND     |           | 1200  | 170   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 22:04 | 5       |
| 4-Chloro-3-methylphenol       | ND     |           | 1200  | 300   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 22:04 | 5       |
| 4-Chloroaniline               | ND     |           | 1200  | 300   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 22:04 | 5       |
| 4-Chlorophenyl phenyl ether   | ND     |           | 1200  | 150   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 22:04 | 5       |
| 4-Methylphenol                | 410    | J         | 2400  | 140   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 22:04 | 5       |
| 4-Nitroaniline                | ND     |           | 2400  | 640   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 22:04 | 5       |
| 4-Nitrophenol                 | ND     |           | 2400  | 850   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 22:04 | 5       |
| Acenaphthene                  | ND     |           | 1200  | 180   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 22:04 | 5       |
| Acenaphthylene                | ND     |           | 1200  | 160   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 22:04 | 5       |
| Acetophenone                  | 440    | J         | 1200  | 160   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 22:04 | 5       |
| Anthracene                    | ND     |           | 1200  | 300   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 22:04 | 5       |
| Atrazine                      | ND     |           | 1200  | 420   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 22:04 | 5       |
| Benzaldehyde                  | ND     |           | 1200  | 970   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 22:04 | 5       |
| Benzo(a)anthracene            | 810    | J         | 1200  | 120   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 22:04 | 5       |
| Benzo(a)pyrene                | 820    | J         | 1200  | 180   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 22:04 | 5       |
| Benzo(b)fluoranthene          | 1200   |           | 1200  | 190   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 22:04 | 5       |
| Benzo(g,h,i)perylene          | 700    | J         | 1200  | 130   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 22:04 | 5       |
| Benzo(k)fluoranthene          | 290    | J         | 1200  | 160   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 22:04 | 5       |
| Benzoic acid                  | ND     |           | 34000 | 11000 | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 22:04 | 5       |
| Biphenyl                      | ND     |           | 1200  | 180   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 22:04 | 5       |
| bis (2-chloroisopropyl) ether | ND     |           | 1200  | 240   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 22:04 | 5       |
| Bis(2-chloroethoxy)methane    | ND     |           | 1200  | 260   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 22:04 | 5       |
| Bis(2-chloroethyl)ether       | ND     |           | 1200  | 160   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 22:04 | 5       |
| Bis(2-ethylhexyl) phthalate   | ND     |           | 1200  | 420   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 22:04 | 5       |
| Butyl benzyl phthalate        | ND     |           | 1200  | 200   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 22:04 | 5       |
| Caprolactam                   | ND     |           | 1200  | 370   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 22:04 | 5       |
| Carbazole                     | 170    | J         | 1200  | 140   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 22:04 | 5       |
| Chrysene                      | 1500   |           | 1200  | 270   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 22:04 | 5       |
| Dibenz(a,h)anthracene         | 270    | J         | 1200  | 210   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 22:04 | 5       |
| Dibenzofuran                  | ND     |           | 1200  | 140   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 22:04 | 5       |
| Diethyl phthalate             | ND     |           | 1200  | 160   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 22:04 | 5       |
| Dimethyl phthalate            | ND     |           | 1200  | 140   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 22:04 | 5       |
| Di-n-butyl phthalate          | ND     |           | 1200  | 210   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 22:04 | 5       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

Client Sample ID: SS-20-0212

Lab Sample ID: 480-186319-30

Date Collected: 06/21/21 13:05

Matrix: Solid

Date Received: 06/21/21 16:14

Percent Solids: 69.4

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

| Analyte                       | Result       | Qualifier | RL   | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|--------------|-----------|------|------|-------|---|----------------|----------------|---------|
| Di-n-octyl phthalate          | ND           |           | 1200 | 140  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 22:04 | 5       |
| <b>Fluoranthene</b>           | <b>1500</b>  |           | 1200 | 130  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 22:04 | 5       |
| Fluorene                      | ND           |           | 1200 | 140  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 22:04 | 5       |
| Hexachlorobenzene             | ND           |           | 1200 | 160  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 22:04 | 5       |
| Hexachlorobutadiene           | ND           |           | 1200 | 180  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 22:04 | 5       |
| Hexachlorocyclopentadiene     | ND           |           | 1200 | 160  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 22:04 | 5       |
| Hexachloroethane              | ND           |           | 1200 | 160  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 22:04 | 5       |
| <b>Indeno(1,2,3-cd)pyrene</b> | <b>390 J</b> |           | 1200 | 150  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 22:04 | 5       |
| Isophorone                    | ND           |           | 1200 | 260  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 22:04 | 5       |
| <b>Naphthalene</b>            | <b>470 J</b> |           | 1200 | 160  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 22:04 | 5       |
| Nitrobenzene                  | ND           |           | 1200 | 140  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 22:04 | 5       |
| N-Nitrosodi-n-propylamine     | ND           |           | 1200 | 210  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 22:04 | 5       |
| N-Nitrosodiphenylamine        | ND           |           | 1200 | 990  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 22:04 | 5       |
| Pentachlorophenol             | ND           |           | 2400 | 1200 | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 22:04 | 5       |
| <b>Phenanthrene</b>           | <b>1300</b>  |           | 1200 | 180  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 22:04 | 5       |
| Phenol                        | ND           |           | 1200 | 190  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 22:04 | 5       |
| <b>Pyrene</b>                 | <b>1300</b>  |           | 1200 | 140  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 22:04 | 5       |

| Surrogate            | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 2,4,6-Tribromophenol | 93        |           | 54 - 120 | 06/29/21 15:10 | 07/01/21 22:04 | 5       |
| 2-Fluorobiphenyl     | 76        |           | 60 - 120 | 06/29/21 15:10 | 07/01/21 22:04 | 5       |
| 2-Fluorophenol       | 67        |           | 52 - 120 | 06/29/21 15:10 | 07/01/21 22:04 | 5       |
| Nitrobenzene-d5      | 73        |           | 53 - 120 | 06/29/21 15:10 | 07/01/21 22:04 | 5       |
| p-Terphenyl-d14      | 81        |           | 79 - 130 | 06/29/21 15:10 | 07/01/21 22:04 | 5       |
| Phenol-d5            | 72        |           | 54 - 120 | 06/29/21 15:10 | 07/01/21 22:04 | 5       |

## Method: 8081B - Organochlorine Pesticides (GC)

| Analyte             | Result      | Qualifier | RL  | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|-------------|-----------|-----|-----|-------|---|----------------|----------------|---------|
| <b>4,4'-DDD</b>     | <b>34 J</b> |           | 48  | 9.3 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 19:07 | 20      |
| 4,4'-DDE            | ND          |           | 48  | 10  | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 19:07 | 20      |
| <b>4,4'-DDT</b>     | <b>32 J</b> |           | 48  | 11  | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 19:07 | 20      |
| Aldrin              | ND          |           | 48  | 12  | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 19:07 | 20      |
| alpha-BHC           | ND          |           | 48  | 8.6 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 19:07 | 20      |
| beta-BHC            | ND          |           | 48  | 8.6 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 19:07 | 20      |
| cis-Chlordane       | ND          |           | 48  | 24  | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 19:07 | 20      |
| delta-BHC           | ND          |           | 48  | 8.9 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 19:07 | 20      |
| Dieldrin            | ND          |           | 48  | 12  | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 19:07 | 20      |
| Endosulfan I        | ND          |           | 48  | 9.2 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 19:07 | 20      |
| Endosulfan II       | ND          |           | 48  | 8.6 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 19:07 | 20      |
| Endosulfan sulfate  | ND          |           | 48  | 8.9 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 19:07 | 20      |
| Endrin              | ND          |           | 48  | 9.5 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 19:07 | 20      |
| Endrin aldehyde     | ND          |           | 48  | 12  | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 19:07 | 20      |
| Endrin ketone       | ND          |           | 48  | 12  | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 19:07 | 20      |
| gamma-BHC (Lindane) | ND          |           | 48  | 8.8 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 19:07 | 20      |
| Heptachlor          | ND          |           | 48  | 10  | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 19:07 | 20      |
| Heptachlor epoxide  | ND          |           | 48  | 12  | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 19:07 | 20      |
| Methoxychlor        | ND          |           | 48  | 9.8 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 19:07 | 20      |
| Mirex               | ND          |           | 48  | 12  | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 19:07 | 20      |
| Toxaphene           | ND          |           | 480 | 280 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 19:07 | 20      |
| trans-Chlordane     | ND          |           | 48  | 15  | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 19:07 | 20      |

Eurofins TestAmerica, Buffalo

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

Client Sample ID: SS-20-0212

Lab Sample ID: 480-186319-30

Date Collected: 06/21/21 13:05

Matrix: Solid

Date Received: 06/21/21 16:14

Percent Solids: 69.4

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| DCB Decachlorobiphenyl | 0         | S1-       | 45 - 120 | 06/28/21 15:10 | 06/29/21 19:07 | 20      |
| DCB Decachlorobiphenyl | 0         | S1-       | 45 - 120 | 06/28/21 15:10 | 06/29/21 19:07 | 20      |
| Tetrachloro-m-xylene   | 0         | S1-       | 30 - 124 | 06/28/21 15:10 | 06/29/21 19:07 | 20      |
| Tetrachloro-m-xylene   | 0         | S1-       | 30 - 124 | 06/28/21 15:10 | 06/29/21 19:07 | 20      |

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

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| PCB-1016 | ND     |           | 0.32 | 0.063 | mg/Kg | ☆ | 06/30/21 15:12 | 07/01/21 15:44 | 1       |
| PCB-1221 | ND     |           | 0.32 | 0.063 | mg/Kg | ☆ | 06/30/21 15:12 | 07/01/21 15:44 | 1       |
| PCB-1232 | ND     |           | 0.32 | 0.063 | mg/Kg | ☆ | 06/30/21 15:12 | 07/01/21 15:44 | 1       |
| PCB-1242 | ND     |           | 0.32 | 0.063 | mg/Kg | ☆ | 06/30/21 15:12 | 07/01/21 15:44 | 1       |
| PCB-1248 | ND     |           | 0.32 | 0.063 | mg/Kg | ☆ | 06/30/21 15:12 | 07/01/21 15:44 | 1       |
| PCB-1254 | 0.52   |           | 0.32 | 0.15  | mg/Kg | ☆ | 06/30/21 15:12 | 07/01/21 15:44 | 1       |
| PCB-1260 | ND     |           | 0.32 | 0.15  | mg/Kg | ☆ | 06/30/21 15:12 | 07/01/21 15:44 | 1       |
| PCB-1262 | ND     |           | 0.32 | 0.15  | mg/Kg | ☆ | 06/30/21 15:12 | 07/01/21 15:44 | 1       |
| PCB-1268 | ND     |           | 0.32 | 0.15  | mg/Kg | ☆ | 06/30/21 15:12 | 07/01/21 15:44 | 1       |

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| Tetrachloro-m-xylene   | 93        |           | 60 - 154 | 06/30/21 15:12 | 07/01/21 15:44 | 1       |
| Tetrachloro-m-xylene   | 95        |           | 60 - 154 | 06/30/21 15:12 | 07/01/21 15:44 | 1       |
| DCB Decachlorobiphenyl | 93        |           | 65 - 174 | 06/30/21 15:12 | 07/01/21 15:44 | 1       |
| DCB Decachlorobiphenyl | 80        |           | 65 - 174 | 06/30/21 15:12 | 07/01/21 15:44 | 1       |

## Method: 6010C - Metals (ICP)

| Analyte   | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| Aluminum  | 11200  |           | 14.7 | 6.4   | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:18 | 1       |
| Antimony  | ND     |           | 22.0 | 0.59  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:18 | 1       |
| Arsenic   | 11.7   |           | 2.9  | 0.59  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:18 | 1       |
| Barium    | 106    | ^6+       | 0.73 | 0.16  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:18 | 1       |
| Beryllium | 0.52   |           | 0.29 | 0.041 | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:18 | 1       |
| Cadmium   | 11.9   |           | 0.29 | 0.044 | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:18 | 1       |
| Calcium   | 31300  | B         | 73.3 | 4.8   | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:18 | 1       |
| Chromium  | 44.9   |           | 0.73 | 0.29  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:18 | 1       |
| Cobalt    | 10.6   |           | 0.73 | 0.073 | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:18 | 1       |
| Copper    | 109    |           | 1.5  | 0.31  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:18 | 1       |
| Iron      | 50600  | B ^+      | 14.7 | 5.1   | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:18 | 1       |
| Lead      | 532    |           | 1.5  | 0.35  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:18 | 1       |
| Magnesium | 11100  | B         | 29.3 | 1.4   | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:18 | 1       |
| Manganese | 521    | B         | 0.29 | 0.047 | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:18 | 1       |
| Nickel    | 64.9   |           | 7.3  | 0.34  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:18 | 1       |
| Potassium | 1870   |           | 44.0 | 29.3  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:18 | 1       |
| Selenium  | 4.6    | J         | 5.9  | 0.59  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:18 | 1       |
| Silver    | 0.59   | J         | 0.88 | 0.29  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:18 | 1       |
| Sodium    | 158    | J         | 205  | 19.1  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:18 | 1       |
| Thallium  | ND     |           | 8.8  | 0.44  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:18 | 1       |
| Vanadium  | 26.1   |           | 0.73 | 0.16  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:18 | 1       |
| Zinc      | 727    |           | 2.9  | 0.94  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:18 | 1       |

## Method: 7471B - Mercury (CVAA)

| Analyte | Result | Qualifier | RL    | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------|--------|-----------|-------|-------|-------|---|----------------|----------------|---------|
| Mercury | 0.43   |           | 0.082 | 0.019 | mg/Kg | ☆ | 07/01/21 13:35 | 07/01/21 15:22 | 1       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

Client Sample ID: SS-21-0002

Lab Sample ID: 480-186319-31

Date Collected: 06/21/21 08:25

Matrix: Solid

Date Received: 06/21/21 16:14

Percent Solids: 73.5

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

| Analyte                       | Result | Qualifier | RL    | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|--------|-----------|-------|------|-------|---|----------------|----------------|---------|
| 2,4,5-Trichlorophenol         | ND     |           | 1100  | 300  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 18:06 | 5       |
| 2,4,6-Trichlorophenol         | ND     |           | 1100  | 230  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 18:06 | 5       |
| 2,4-Dichlorophenol            | ND     |           | 1100  | 120  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 18:06 | 5       |
| 2,4-Dimethylphenol            | ND     |           | 1100  | 270  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 18:06 | 5       |
| 2,4-Dinitrophenol             | ND     |           | 11000 | 5200 | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 18:06 | 5       |
| 2,4-Dinitrotoluene            | ND     |           | 1100  | 230  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 18:06 | 5       |
| 2,6-Dinitrotoluene            | ND     |           | 1100  | 130  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 18:06 | 5       |
| 2-Chloronaphthalene           | ND     |           | 1100  | 190  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 18:06 | 5       |
| 2-Chlorophenol                | ND     |           | 2200  | 210  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 18:06 | 5       |
| 2-Methylnaphthalene           | ND     |           | 1100  | 230  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 18:06 | 5       |
| 2-Methylphenol                | ND     |           | 1100  | 130  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 18:06 | 5       |
| 2-Nitroaniline                | ND     |           | 2200  | 170  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 18:06 | 5       |
| 2-Nitrophenol                 | ND     |           | 1100  | 320  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 18:06 | 5       |
| 3,3'-Dichlorobenzidine        | ND     |           | 2200  | 1300 | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 18:06 | 5       |
| 3-Nitroaniline                | ND     |           | 2200  | 310  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 18:06 | 5       |
| 4,6-Dinitro-2-methylphenol    | ND     |           | 2200  | 1100 | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 18:06 | 5       |
| 4-Bromophenyl phenyl ether    | ND     |           | 1100  | 160  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 18:06 | 5       |
| 4-Chloro-3-methylphenol       | ND     |           | 1100  | 280  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 18:06 | 5       |
| 4-Chloroaniline               | ND     |           | 1100  | 280  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 18:06 | 5       |
| 4-Chlorophenyl phenyl ether   | ND     |           | 1100  | 140  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 18:06 | 5       |
| 4-Methylphenol                | ND     |           | 2200  | 130  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 18:06 | 5       |
| 4-Nitroaniline                | ND     |           | 2200  | 590  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 18:06 | 5       |
| 4-Nitrophenol                 | ND     |           | 2200  | 790  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 18:06 | 5       |
| Acenaphthene                  | ND     |           | 1100  | 170  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 18:06 | 5       |
| Acenaphthylene                | ND     |           | 1100  | 150  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 18:06 | 5       |
| Acetophenone                  | ND     |           | 1100  | 150  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 18:06 | 5       |
| Anthracene                    | ND     |           | 1100  | 280  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 18:06 | 5       |
| Atrazine                      | ND     |           | 1100  | 390  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 18:06 | 5       |
| Benzaldehyde                  | ND     |           | 1100  | 890  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 18:06 | 5       |
| Benzo(a)anthracene            | ND F1  |           | 1100  | 110  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 18:06 | 5       |
| Benzo(a)pyrene                | 500 J  |           | 1100  | 170  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 18:06 | 5       |
| Benzo(b)fluoranthene          | 870 J  |           | 1100  | 180  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 18:06 | 5       |
| Benzo(g,h,i)perylene          | 350 J  |           | 1100  | 120  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 18:06 | 5       |
| Benzo(k)fluoranthene          | ND     |           | 1100  | 150  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 18:06 | 5       |
| Benzoic acid                  | ND F1  |           | 32000 | 9900 | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 18:06 | 5       |
| Biphenyl                      | ND     |           | 1100  | 170  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 18:06 | 5       |
| bis (2-chloroisopropyl) ether | ND     |           | 1100  | 230  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 18:06 | 5       |
| Bis(2-chloroethoxy)methane    | ND     |           | 1100  | 240  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 18:06 | 5       |
| Bis(2-chloroethyl)ether       | ND     |           | 1100  | 150  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 18:06 | 5       |
| Bis(2-ethylhexyl) phthalate   | ND     |           | 1100  | 380  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 18:06 | 5       |
| Butyl benzyl phthalate        | ND     |           | 1100  | 190  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 18:06 | 5       |
| Caprolactam                   | ND     |           | 1100  | 340  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 18:06 | 5       |
| Carbazole                     | ND     |           | 1100  | 130  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 18:06 | 5       |
| Chrysene                      | 540 J  |           | 1100  | 250  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 18:06 | 5       |
| Dibenz(a,h)anthracene         | ND     |           | 1100  | 200  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 18:06 | 5       |
| Dibenzofuran                  | ND     |           | 1100  | 130  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 18:06 | 5       |
| Diethyl phthalate             | ND     |           | 1100  | 150  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 18:06 | 5       |
| Dimethyl phthalate            | ND     |           | 1100  | 130  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 18:06 | 5       |
| Di-n-butyl phthalate          | ND     |           | 1100  | 190  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 18:06 | 5       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

Client Sample ID: SS-21-0002

Lab Sample ID: 480-186319-31

Date Collected: 06/21/21 08:25

Matrix: Solid

Date Received: 06/21/21 16:14

Percent Solids: 73.5

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

| Analyte                       | Result     | Qualifier | RL   | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|------------|-----------|------|------|-------|---|----------------|----------------|---------|
| Di-n-octyl phthalate          | ND         |           | 1100 | 130  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 18:06 | 5       |
| <b>Fluoranthene</b>           | <b>960</b> | <b>J</b>  | 1100 | 120  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 18:06 | 5       |
| Fluorene                      | ND         |           | 1100 | 130  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 18:06 | 5       |
| Hexachlorobenzene             | ND         |           | 1100 | 150  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 18:06 | 5       |
| Hexachlorobutadiene           | ND         |           | 1100 | 170  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 18:06 | 5       |
| Hexachlorocyclopentadiene     | ND         |           | 1100 | 150  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 18:06 | 5       |
| Hexachloroethane              | ND         |           | 1100 | 150  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 18:06 | 5       |
| <b>Indeno(1,2,3-cd)pyrene</b> | <b>330</b> | <b>J</b>  | 1100 | 140  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 18:06 | 5       |
| Isophorone                    | ND         |           | 1100 | 240  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 18:06 | 5       |
| Naphthalene                   | ND         |           | 1100 | 150  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 18:06 | 5       |
| Nitrobenzene                  | ND         |           | 1100 | 130  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 18:06 | 5       |
| N-Nitrosodi-n-propylamine     | ND         |           | 1100 | 190  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 18:06 | 5       |
| N-Nitrosodiphenylamine        | ND         |           | 1100 | 910  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 18:06 | 5       |
| Pentachlorophenol             | ND         |           | 2200 | 1100 | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 18:06 | 5       |
| <b>Phenanthrene</b>           | <b>560</b> | <b>J</b>  | 1100 | 170  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 18:06 | 5       |
| Phenol                        | ND         |           | 1100 | 170  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 18:06 | 5       |
| <b>Pyrene</b>                 | <b>820</b> | <b>J</b>  | 1100 | 130  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 18:06 | 5       |

| Surrogate            | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 2,4,6-Tribromophenol | 91        |           | 54 - 120 | 06/29/21 15:10 | 07/01/21 18:06 | 5       |
| 2-Fluorobiphenyl     | 89        |           | 60 - 120 | 06/29/21 15:10 | 07/01/21 18:06 | 5       |
| 2-Fluorophenol       | 83        |           | 52 - 120 | 06/29/21 15:10 | 07/01/21 18:06 | 5       |
| Nitrobenzene-d5      | 86        |           | 53 - 120 | 06/29/21 15:10 | 07/01/21 18:06 | 5       |
| p-Terphenyl-d14      | 95        |           | 79 - 130 | 06/29/21 15:10 | 07/01/21 18:06 | 5       |
| Phenol-d5            | 83        |           | 54 - 120 | 06/29/21 15:10 | 07/01/21 18:06 | 5       |

## Method: 8081B - Organochlorine Pesticides (GC)

| Analyte             | Result | Qualifier | RL  | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|--------|-----------|-----|-----|-------|---|----------------|----------------|---------|
| 4,4'-DDD            | ND     |           | 22  | 4.3 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 15:50 | 10      |
| 4,4'-DDE            | ND     |           | 22  | 4.6 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 15:50 | 10      |
| 4,4'-DDT            | ND     |           | 22  | 5.2 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 15:50 | 10      |
| Aldrin              | ND     |           | 22  | 5.4 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 15:50 | 10      |
| alpha-BHC           | ND     |           | 22  | 4.0 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 15:50 | 10      |
| beta-BHC            | ND     |           | 22  | 4.0 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 15:50 | 10      |
| cis-Chlordane       | ND     |           | 22  | 11  | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 15:50 | 10      |
| delta-BHC           | ND     |           | 22  | 4.1 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 15:50 | 10      |
| Dieldrin            | ND     | F2        | 22  | 5.3 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 15:50 | 10      |
| Endosulfan I        | ND     |           | 22  | 4.2 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 15:50 | 10      |
| Endosulfan II       | ND     |           | 22  | 4.0 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 15:50 | 10      |
| Endosulfan sulfate  | ND     |           | 22  | 4.1 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 15:50 | 10      |
| Endrin              | ND     |           | 22  | 4.4 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 15:50 | 10      |
| Endrin aldehyde     | ND     |           | 22  | 5.6 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 15:50 | 10      |
| Endrin ketone       | ND     |           | 22  | 5.4 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 15:50 | 10      |
| gamma-BHC (Lindane) | ND     |           | 22  | 4.1 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 15:50 | 10      |
| Heptachlor          | ND     |           | 22  | 4.8 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 15:50 | 10      |
| Heptachlor epoxide  | ND     |           | 22  | 5.7 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 15:50 | 10      |
| Methoxychlor        | ND     |           | 22  | 4.5 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 15:50 | 10      |
| Mirex               | ND     |           | 22  | 5.4 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 15:50 | 10      |
| Toxaphene           | ND     |           | 220 | 130 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 15:50 | 10      |
| trans-Chlordane     | ND     |           | 22  | 7.0 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 15:50 | 10      |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

Client Sample ID: SS-21-0002

Lab Sample ID: 480-186319-31

Date Collected: 06/21/21 08:25

Matrix: Solid

Date Received: 06/21/21 16:14

Percent Solids: 73.5

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| DCB Decachlorobiphenyl | 86        |           | 45 - 120 | 06/28/21 15:10 | 06/29/21 15:50 | 10      |
| DCB Decachlorobiphenyl | 71        |           | 45 - 120 | 06/28/21 15:10 | 06/29/21 15:50 | 10      |
| Tetrachloro-m-xylene   | 0         | S1-       | 30 - 124 | 06/28/21 15:10 | 06/29/21 15:50 | 10      |
| Tetrachloro-m-xylene   | 0         | S1-       | 30 - 124 | 06/28/21 15:10 | 06/29/21 15:50 | 10      |

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

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| PCB-1016 | ND     |           | 0.30 | 0.059 | mg/Kg | ✱ | 06/30/21 15:12 | 07/01/21 14:02 | 1       |
| PCB-1221 | ND     |           | 0.30 | 0.059 | mg/Kg | ✱ | 06/30/21 15:12 | 07/01/21 14:02 | 1       |
| PCB-1232 | ND     |           | 0.30 | 0.059 | mg/Kg | ✱ | 06/30/21 15:12 | 07/01/21 14:02 | 1       |
| PCB-1242 | ND     |           | 0.30 | 0.059 | mg/Kg | ✱ | 06/30/21 15:12 | 07/01/21 14:02 | 1       |
| PCB-1248 | ND     |           | 0.30 | 0.059 | mg/Kg | ✱ | 06/30/21 15:12 | 07/01/21 14:02 | 1       |
| PCB-1254 | ND     |           | 0.30 | 0.14  | mg/Kg | ✱ | 06/30/21 15:12 | 07/01/21 14:02 | 1       |
| PCB-1260 | ND     |           | 0.30 | 0.14  | mg/Kg | ✱ | 06/30/21 15:12 | 07/01/21 14:02 | 1       |
| PCB-1262 | ND     |           | 0.30 | 0.14  | mg/Kg | ✱ | 06/30/21 15:12 | 07/01/21 14:02 | 1       |
| PCB-1268 | ND     |           | 0.30 | 0.14  | mg/Kg | ✱ | 06/30/21 15:12 | 07/01/21 14:02 | 1       |

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| Tetrachloro-m-xylene   | 90        |           | 60 - 154 | 06/30/21 15:12 | 07/01/21 14:02 | 1       |
| Tetrachloro-m-xylene   | 94        |           | 60 - 154 | 06/30/21 15:12 | 07/01/21 14:02 | 1       |
| DCB Decachlorobiphenyl | 90        |           | 65 - 174 | 06/30/21 15:12 | 07/01/21 14:02 | 1       |
| DCB Decachlorobiphenyl | 85        |           | 65 - 174 | 06/30/21 15:12 | 07/01/21 14:02 | 1       |

## Method: 6010C - Metals (ICP)

| Analyte   | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| Aluminum  | 12800  |           | 13.5 | 5.9   | mg/Kg | ✱ | 06/24/21 11:32 | 06/25/21 14:18 | 1       |
| Antimony  | ND     | F1        | 20.2 | 0.54  | mg/Kg | ✱ | 06/24/21 11:32 | 06/25/21 14:18 | 1       |
| Arsenic   | 6.7    |           | 2.7  | 0.54  | mg/Kg | ✱ | 06/24/21 11:32 | 06/25/21 14:18 | 1       |
| Barium    | 93.4   | ^6+ F1    | 0.67 | 0.15  | mg/Kg | ✱ | 06/24/21 11:32 | 06/25/21 14:18 | 1       |
| Beryllium | 0.71   |           | 0.27 | 0.038 | mg/Kg | ✱ | 06/24/21 11:32 | 06/25/21 14:18 | 1       |
| Cadmium   | 1.3    |           | 0.27 | 0.040 | mg/Kg | ✱ | 06/24/21 11:32 | 06/25/21 14:18 | 1       |
| Calcium   | 25700  | B         | 67.3 | 4.4   | mg/Kg | ✱ | 06/24/21 11:32 | 06/25/21 14:18 | 1       |
| Chromium  | 29.7   |           | 0.67 | 0.27  | mg/Kg | ✱ | 06/24/21 11:32 | 06/25/21 14:18 | 1       |
| Cobalt    | 9.3    |           | 0.67 | 0.067 | mg/Kg | ✱ | 06/24/21 11:32 | 06/25/21 14:18 | 1       |
| Copper    | 47.8   |           | 1.3  | 0.28  | mg/Kg | ✱ | 06/24/21 11:32 | 06/25/21 14:18 | 1       |
| Iron      | 27800  | B ^+      | 13.5 | 4.7   | mg/Kg | ✱ | 06/24/21 11:32 | 06/25/21 14:18 | 1       |
| Lead      | 80.8   |           | 1.3  | 0.32  | mg/Kg | ✱ | 06/24/21 11:32 | 06/25/21 14:18 | 1       |
| Magnesium | 9670   | B         | 26.9 | 1.2   | mg/Kg | ✱ | 06/24/21 11:32 | 06/25/21 14:18 | 1       |
| Manganese | 470    | B         | 0.27 | 0.043 | mg/Kg | ✱ | 06/24/21 11:32 | 06/25/21 14:18 | 1       |
| Nickel    | 25.6   |           | 6.7  | 0.31  | mg/Kg | ✱ | 06/24/21 11:32 | 06/25/21 14:18 | 1       |
| Potassium | 2600   | F1        | 40.4 | 26.9  | mg/Kg | ✱ | 06/24/21 11:32 | 06/25/21 14:18 | 1       |
| Selenium  | 2.7    | J         | 5.4  | 0.54  | mg/Kg | ✱ | 06/24/21 11:32 | 06/25/21 14:18 | 1       |
| Silver    | 0.42   | J         | 0.81 | 0.27  | mg/Kg | ✱ | 06/24/21 11:32 | 06/25/21 14:18 | 1       |
| Sodium    | 200    |           | 188  | 17.5  | mg/Kg | ✱ | 06/24/21 11:32 | 06/25/21 14:18 | 1       |
| Thallium  | ND     |           | 8.1  | 0.40  | mg/Kg | ✱ | 06/24/21 11:32 | 06/25/21 14:18 | 1       |
| Vanadium  | 31.1   |           | 0.67 | 0.15  | mg/Kg | ✱ | 06/24/21 11:32 | 06/25/21 14:18 | 1       |
| Zinc      | 232    |           | 2.7  | 0.86  | mg/Kg | ✱ | 06/24/21 11:32 | 06/25/21 14:18 | 1       |

## Method: 7471B - Mercury (CVAA)

| Analyte | Result | Qualifier | RL    | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------|--------|-----------|-------|-------|-------|---|----------------|----------------|---------|
| Mercury | 0.26   |           | 0.080 | 0.018 | mg/Kg | ✱ | 07/01/21 13:35 | 07/01/21 15:24 | 1       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

Client Sample ID: SS-21-0212

Lab Sample ID: 480-186319-32

Date Collected: 06/21/21 08:30

Matrix: Solid

Date Received: 06/21/21 16:14

Percent Solids: 85.9

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

| Analyte                       | Result | Qualifier | RL    | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|--------|-----------|-------|------|-------|---|----------------|----------------|---------|
| 2,4,5-Trichlorophenol         | ND     |           | 960   | 260  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 22:28 | 5       |
| 2,4,6-Trichlorophenol         | ND     |           | 960   | 190  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 22:28 | 5       |
| 2,4-Dichlorophenol            | ND     |           | 960   | 100  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 22:28 | 5       |
| 2,4-Dimethylphenol            | ND     |           | 960   | 230  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 22:28 | 5       |
| 2,4-Dinitrophenol             | ND     |           | 9300  | 4400 | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 22:28 | 5       |
| 2,4-Dinitrotoluene            | ND     |           | 960   | 200  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 22:28 | 5       |
| 2,6-Dinitrotoluene            | ND     |           | 960   | 110  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 22:28 | 5       |
| 2-Chloronaphthalene           | ND     |           | 960   | 160  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 22:28 | 5       |
| 2-Chlorophenol                | ND     |           | 1900  | 170  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 22:28 | 5       |
| 2-Methylnaphthalene           | ND     |           | 960   | 190  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 22:28 | 5       |
| 2-Methylphenol                | ND     |           | 960   | 110  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 22:28 | 5       |
| 2-Nitroaniline                | ND     |           | 1900  | 140  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 22:28 | 5       |
| 2-Nitrophenol                 | ND     |           | 960   | 270  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 22:28 | 5       |
| 3,3'-Dichlorobenzidine        | ND     |           | 1900  | 1100 | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 22:28 | 5       |
| 3-Nitroaniline                | ND     |           | 1900  | 260  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 22:28 | 5       |
| 4,6-Dinitro-2-methylphenol    | ND     |           | 1900  | 960  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 22:28 | 5       |
| 4-Bromophenyl phenyl ether    | ND     |           | 960   | 140  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 22:28 | 5       |
| 4-Chloro-3-methylphenol       | ND     |           | 960   | 240  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 22:28 | 5       |
| 4-Chloroaniline               | ND     |           | 960   | 240  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 22:28 | 5       |
| 4-Chlorophenyl phenyl ether   | ND     |           | 960   | 120  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 22:28 | 5       |
| 4-Methylphenol                | ND     |           | 1900  | 110  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 22:28 | 5       |
| 4-Nitroaniline                | ND     |           | 1900  | 500  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 22:28 | 5       |
| 4-Nitrophenol                 | ND     |           | 1900  | 670  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 22:28 | 5       |
| Acenaphthene                  | ND     |           | 960   | 140  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 22:28 | 5       |
| Acenaphthylene                | ND     |           | 960   | 120  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 22:28 | 5       |
| Acetophenone                  | ND     |           | 960   | 130  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 22:28 | 5       |
| Anthracene                    | ND     |           | 960   | 240  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 22:28 | 5       |
| Atrazine                      | ND     |           | 960   | 330  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 22:28 | 5       |
| Benzaldehyde                  | ND     |           | 960   | 760  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 22:28 | 5       |
| Benzo(a)anthracene            | 510    | J         | 960   | 96   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 22:28 | 5       |
| Benzo(a)pyrene                | 500    | J         | 960   | 140  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 22:28 | 5       |
| Benzo(b)fluoranthene          | 740    | J         | 960   | 150  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 22:28 | 5       |
| Benzo(g,h,i)perylene          | 290    | J         | 960   | 100  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 22:28 | 5       |
| Benzo(k)fluoranthene          | 190    | J         | 960   | 120  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 22:28 | 5       |
| Benzoic acid                  | ND     |           | 27000 | 8400 | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 22:28 | 5       |
| Biphenyl                      | ND     |           | 960   | 140  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 22:28 | 5       |
| bis (2-chloroisopropyl) ether | ND     |           | 960   | 190  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 22:28 | 5       |
| Bis(2-chloroethoxy)methane    | ND     |           | 960   | 200  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 22:28 | 5       |
| Bis(2-chloroethyl)ether       | ND     |           | 960   | 120  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 22:28 | 5       |
| Bis(2-ethylhexyl) phthalate   | ND     |           | 960   | 330  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 22:28 | 5       |
| Butyl benzyl phthalate        | 500    | J         | 960   | 160  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 22:28 | 5       |
| Caprolactam                   | ND     |           | 960   | 290  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 22:28 | 5       |
| Carbazole                     | ND     |           | 960   | 110  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 22:28 | 5       |
| Chrysene                      | 530    | J         | 960   | 210  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 22:28 | 5       |
| Dibenz(a,h)anthracene         | ND     |           | 960   | 170  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 22:28 | 5       |
| Dibenzofuran                  | ND     |           | 960   | 110  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 22:28 | 5       |
| Diethyl phthalate             | ND     |           | 960   | 120  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 22:28 | 5       |
| Dimethyl phthalate            | ND     |           | 960   | 110  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 22:28 | 5       |
| Di-n-butyl phthalate          | ND     |           | 960   | 160  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 22:28 | 5       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

Client Sample ID: SS-21-0212

Lab Sample ID: 480-186319-32

Date Collected: 06/21/21 08:30

Matrix: Solid

Date Received: 06/21/21 16:14

Percent Solids: 85.9

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

| Analyte                       | Result     | Qualifier | RL   | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|------------|-----------|------|-----|-------|---|----------------|----------------|---------|
| Di-n-octyl phthalate          | ND         |           | 960  | 110 | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 22:28 | 5       |
| <b>Fluoranthene</b>           | <b>840</b> | <b>J</b>  | 960  | 100 | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 22:28 | 5       |
| Fluorene                      | ND         |           | 960  | 110 | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 22:28 | 5       |
| Hexachlorobenzene             | ND         |           | 960  | 130 | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 22:28 | 5       |
| Hexachlorobutadiene           | ND         |           | 960  | 140 | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 22:28 | 5       |
| Hexachlorocyclopentadiene     | ND         |           | 960  | 130 | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 22:28 | 5       |
| Hexachloroethane              | ND         |           | 960  | 120 | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 22:28 | 5       |
| <b>Indeno(1,2,3-cd)pyrene</b> | <b>310</b> | <b>J</b>  | 960  | 120 | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 22:28 | 5       |
| Isophorone                    | ND         |           | 960  | 200 | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 22:28 | 5       |
| Naphthalene                   | ND         |           | 960  | 120 | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 22:28 | 5       |
| Nitrobenzene                  | ND         |           | 960  | 110 | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 22:28 | 5       |
| N-Nitrosodi-n-propylamine     | ND         |           | 960  | 160 | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 22:28 | 5       |
| N-Nitrosodiphenylamine        | ND         |           | 960  | 780 | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 22:28 | 5       |
| Pentachlorophenol             | ND         |           | 1900 | 960 | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 22:28 | 5       |
| <b>Phenanthrene</b>           | <b>540</b> | <b>J</b>  | 960  | 140 | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 22:28 | 5       |
| Phenol                        | ND         |           | 960  | 150 | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 22:28 | 5       |
| <b>Pyrene</b>                 | <b>730</b> | <b>J</b>  | 960  | 110 | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 22:28 | 5       |

| Surrogate            | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 2,4,6-Tribromophenol | 97        |           | 54 - 120 | 06/29/21 15:10 | 07/01/21 22:28 | 5       |
| 2-Fluorobiphenyl     | 78        |           | 60 - 120 | 06/29/21 15:10 | 07/01/21 22:28 | 5       |
| 2-Fluorophenol       | 72        |           | 52 - 120 | 06/29/21 15:10 | 07/01/21 22:28 | 5       |
| Nitrobenzene-d5      | 78        |           | 53 - 120 | 06/29/21 15:10 | 07/01/21 22:28 | 5       |
| p-Terphenyl-d14      | 87        |           | 79 - 130 | 06/29/21 15:10 | 07/01/21 22:28 | 5       |
| Phenol-d5            | 69        |           | 54 - 120 | 06/29/21 15:10 | 07/01/21 22:28 | 5       |

## Method: 8081B - Organochlorine Pesticides (GC)

| Analyte             | Result    | Qualifier | RL  | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|-----------|-----------|-----|-----|-------|---|----------------|----------------|---------|
| 4,4'-DDD            | ND        |           | 38  | 7.4 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 19:27 | 20      |
| 4,4'-DDE            | ND        |           | 38  | 8.0 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 19:27 | 20      |
| <b>4,4'-DDT</b>     | <b>15</b> | <b>J</b>  | 38  | 8.9 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 19:27 | 20      |
| Aldrin              | ND        |           | 38  | 9.4 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 19:27 | 20      |
| alpha-BHC           | ND        |           | 38  | 6.8 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 19:27 | 20      |
| beta-BHC            | ND        |           | 38  | 6.8 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 19:27 | 20      |
| cis-Chlordane       | ND        |           | 38  | 19  | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 19:27 | 20      |
| delta-BHC           | ND        |           | 38  | 7.1 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 19:27 | 20      |
| Dieldrin            | ND        |           | 38  | 9.1 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 19:27 | 20      |
| Endosulfan I        | ND        |           | 38  | 7.3 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 19:27 | 20      |
| Endosulfan II       | ND        |           | 38  | 6.8 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 19:27 | 20      |
| Endosulfan sulfate  | ND        |           | 38  | 7.1 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 19:27 | 20      |
| Endrin              | ND        |           | 38  | 7.5 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 19:27 | 20      |
| Endrin aldehyde     | ND        |           | 38  | 9.7 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 19:27 | 20      |
| Endrin ketone       | ND        |           | 38  | 9.4 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 19:27 | 20      |
| gamma-BHC (Lindane) | ND        |           | 38  | 7.0 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 19:27 | 20      |
| Heptachlor          | ND        |           | 38  | 8.2 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 19:27 | 20      |
| Heptachlor epoxide  | ND        |           | 38  | 9.8 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 19:27 | 20      |
| Methoxychlor        | ND        |           | 38  | 7.8 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 19:27 | 20      |
| Mirex               | ND        |           | 38  | 9.3 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 19:27 | 20      |
| Toxaphene           | ND        |           | 380 | 220 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 19:27 | 20      |
| trans-Chlordane     | ND        |           | 38  | 12  | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 19:27 | 20      |

Eurofins TestAmerica, Buffalo



# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

Client Sample ID: SS-21-0212

Lab Sample ID: 480-186319-32

Date Collected: 06/21/21 08:30

Matrix: Solid

Date Received: 06/21/21 16:14

Percent Solids: 85.9

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| DCB Decachlorobiphenyl | 0         | S1-       | 45 - 120 | 06/28/21 15:10 | 06/29/21 19:27 | 20      |
| DCB Decachlorobiphenyl | 0         | S1-       | 45 - 120 | 06/28/21 15:10 | 06/29/21 19:27 | 20      |
| Tetrachloro-m-xylene   | 0         | S1-       | 30 - 124 | 06/28/21 15:10 | 06/29/21 19:27 | 20      |
| Tetrachloro-m-xylene   | 0         | S1-       | 30 - 124 | 06/28/21 15:10 | 06/29/21 19:27 | 20      |

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

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| PCB-1016 | ND     |           | 0.24 | 0.046 | mg/Kg | ☆ | 06/30/21 15:12 | 07/01/21 15:57 | 1       |
| PCB-1221 | ND     |           | 0.24 | 0.046 | mg/Kg | ☆ | 06/30/21 15:12 | 07/01/21 15:57 | 1       |
| PCB-1232 | ND     |           | 0.24 | 0.046 | mg/Kg | ☆ | 06/30/21 15:12 | 07/01/21 15:57 | 1       |
| PCB-1242 | ND     |           | 0.24 | 0.046 | mg/Kg | ☆ | 06/30/21 15:12 | 07/01/21 15:57 | 1       |
| PCB-1248 | ND     |           | 0.24 | 0.046 | mg/Kg | ☆ | 06/30/21 15:12 | 07/01/21 15:57 | 1       |
| PCB-1254 | ND     |           | 0.24 | 0.11  | mg/Kg | ☆ | 06/30/21 15:12 | 07/01/21 15:57 | 1       |
| PCB-1260 | ND     |           | 0.24 | 0.11  | mg/Kg | ☆ | 06/30/21 15:12 | 07/01/21 15:57 | 1       |
| PCB-1262 | ND     |           | 0.24 | 0.11  | mg/Kg | ☆ | 06/30/21 15:12 | 07/01/21 15:57 | 1       |
| PCB-1268 | ND     |           | 0.24 | 0.11  | mg/Kg | ☆ | 06/30/21 15:12 | 07/01/21 15:57 | 1       |

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| Tetrachloro-m-xylene   | 99        |           | 60 - 154 | 06/30/21 15:12 | 07/01/21 15:57 | 1       |
| Tetrachloro-m-xylene   | 101       |           | 60 - 154 | 06/30/21 15:12 | 07/01/21 15:57 | 1       |
| DCB Decachlorobiphenyl | 94        |           | 65 - 174 | 06/30/21 15:12 | 07/01/21 15:57 | 1       |
| DCB Decachlorobiphenyl | 88        |           | 65 - 174 | 06/30/21 15:12 | 07/01/21 15:57 | 1       |

## Method: 6010C - Metals (ICP)

| Analyte   | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| Aluminum  | 12900  |           | 11.0 | 4.9   | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:33 | 1       |
| Antimony  | ND     |           | 16.6 | 0.44  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:33 | 1       |
| Arsenic   | 6.4    |           | 2.2  | 0.44  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:33 | 1       |
| Barium    | 100    | ^6+       | 0.55 | 0.12  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:33 | 1       |
| Beryllium | 0.76   |           | 0.22 | 0.031 | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:33 | 1       |
| Cadmium   | 0.99   |           | 0.22 | 0.033 | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:33 | 1       |
| Calcium   | 33200  | B         | 55.2 | 3.6   | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:33 | 1       |
| Chromium  | 27.4   |           | 0.55 | 0.22  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:33 | 1       |
| Cobalt    | 9.0    |           | 0.55 | 0.055 | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:33 | 1       |
| Copper    | 40.2   |           | 1.1  | 0.23  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:33 | 1       |
| Iron      | 28500  | B ^+      | 11.0 | 3.9   | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:33 | 1       |
| Lead      | 72.8   |           | 1.1  | 0.27  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:33 | 1       |
| Magnesium | 10100  | B         | 22.1 | 1.0   | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:33 | 1       |
| Manganese | 500    | B         | 0.22 | 0.035 | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:33 | 1       |
| Nickel    | 25.7   |           | 5.5  | 0.25  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:33 | 1       |
| Potassium | 2560   |           | 33.1 | 22.1  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:33 | 1       |
| Selenium  | 2.5    | J         | 4.4  | 0.44  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:33 | 1       |
| Silver    | 0.39   | J         | 0.66 | 0.22  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:33 | 1       |
| Sodium    | 223    |           | 155  | 14.4  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:33 | 1       |
| Thallium  | ND     |           | 6.6  | 0.33  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:33 | 1       |
| Vanadium  | 49.5   |           | 0.55 | 0.12  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:33 | 1       |
| Zinc      | 193    |           | 2.2  | 0.71  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:33 | 1       |

## Method: 7471B - Mercury (CVAA)

| Analyte | Result | Qualifier | RL    | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------|--------|-----------|-------|-------|-------|---|----------------|----------------|---------|
| Mercury | 0.19   |           | 0.069 | 0.016 | mg/Kg | ☆ | 07/01/21 13:35 | 07/01/21 15:32 | 1       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

Client Sample ID: SS-22-0002

Lab Sample ID: 480-186319-33

Date Collected: 06/21/21 13:45

Matrix: Solid

Date Received: 06/21/21 16:14

Percent Solids: 63.4

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

| Analyte                       | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|--------|-----------|------|------|-------|---|----------------|----------------|---------|
| 2,4,5-Trichlorophenol         | ND     |           | 260  | 71   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 22:52 | 1       |
| 2,4,6-Trichlorophenol         | ND     |           | 260  | 52   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 22:52 | 1       |
| 2,4-Dichlorophenol            | ND     |           | 260  | 28   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 22:52 | 1       |
| 2,4-Dimethylphenol            | ND     |           | 260  | 63   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 22:52 | 1       |
| 2,4-Dinitrophenol             | ND     |           | 2600 | 1200 | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 22:52 | 1       |
| 2,4-Dinitrotoluene            | ND     |           | 260  | 54   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 22:52 | 1       |
| 2,6-Dinitrotoluene            | ND     |           | 260  | 31   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 22:52 | 1       |
| 2-Chloronaphthalene           | ND     |           | 260  | 43   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 22:52 | 1       |
| 2-Chlorophenol                | ND     |           | 510  | 48   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 22:52 | 1       |
| 2-Methylnaphthalene           | ND     |           | 260  | 52   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 22:52 | 1       |
| 2-Methylphenol                | ND     |           | 260  | 31   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 22:52 | 1       |
| 2-Nitroaniline                | ND     |           | 510  | 39   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 22:52 | 1       |
| 2-Nitrophenol                 | ND     |           | 260  | 74   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 22:52 | 1       |
| 3,3'-Dichlorobenzidine        | ND     |           | 510  | 310  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 22:52 | 1       |
| 3-Nitroaniline                | ND     |           | 510  | 72   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 22:52 | 1       |
| 4,6-Dinitro-2-methylphenol    | ND     |           | 510  | 260  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 22:52 | 1       |
| 4-Bromophenyl phenyl ether    | ND     |           | 260  | 37   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 22:52 | 1       |
| 4-Chloro-3-methylphenol       | ND     |           | 260  | 65   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 22:52 | 1       |
| 4-Chloroaniline               | ND     |           | 260  | 65   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 22:52 | 1       |
| 4-Chlorophenyl phenyl ether   | ND     |           | 260  | 32   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 22:52 | 1       |
| 4-Methylphenol                | ND     |           | 510  | 31   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 22:52 | 1       |
| 4-Nitroaniline                | ND     |           | 510  | 140  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 22:52 | 1       |
| 4-Nitrophenol                 | ND     |           | 510  | 180  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 22:52 | 1       |
| Acenaphthene                  | ND     |           | 260  | 39   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 22:52 | 1       |
| Acenaphthylene                | ND     |           | 260  | 34   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 22:52 | 1       |
| Acetophenone                  | ND     |           | 260  | 35   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 22:52 | 1       |
| Anthracene                    | ND     |           | 260  | 65   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 22:52 | 1       |
| Atrazine                      | ND     |           | 260  | 91   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 22:52 | 1       |
| Benzaldehyde                  | ND     |           | 260  | 210  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 22:52 | 1       |
| Benzo(a)anthracene            | 110    | J         | 260  | 26   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 22:52 | 1       |
| Benzo(a)pyrene                | 110    | J         | 260  | 39   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 22:52 | 1       |
| Benzo(b)fluoranthene          | 130    | J         | 260  | 42   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 22:52 | 1       |
| Benzo(g,h,i)perylene          | 56     | J         | 260  | 28   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 22:52 | 1       |
| Benzo(k)fluoranthene          | 48     | J         | 260  | 34   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 22:52 | 1       |
| Benzoic acid                  | ND     |           | 7400 | 2300 | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 22:52 | 1       |
| Biphenyl                      | ND     |           | 260  | 39   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 22:52 | 1       |
| bis (2-chloroisopropyl) ether | ND     |           | 260  | 52   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 22:52 | 1       |
| Bis(2-chloroethoxy)methane    | ND     |           | 260  | 56   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 22:52 | 1       |
| Bis(2-chloroethyl)ether       | ND     |           | 260  | 34   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 22:52 | 1       |
| Bis(2-ethylhexyl) phthalate   | ND     |           | 260  | 89   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 22:52 | 1       |
| Butyl benzyl phthalate        | ND     |           | 260  | 43   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 22:52 | 1       |
| Caprolactam                   | ND     |           | 260  | 79   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 22:52 | 1       |
| Carbazole                     | ND     |           | 260  | 31   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 22:52 | 1       |
| Chrysene                      | 100    | J         | 260  | 59   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 22:52 | 1       |
| Dibenz(a,h)anthracene         | ND     |           | 260  | 46   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 22:52 | 1       |
| Dibenzofuran                  | ND     |           | 260  | 31   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 22:52 | 1       |
| Diethyl phthalate             | ND     |           | 260  | 34   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 22:52 | 1       |
| Dimethyl phthalate            | ND     |           | 260  | 31   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 22:52 | 1       |
| Di-n-butyl phthalate          | 64     | J B       | 260  | 45   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 22:52 | 1       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

Client Sample ID: SS-22-0002

Lab Sample ID: 480-186319-33

Date Collected: 06/21/21 13:45

Matrix: Solid

Date Received: 06/21/21 16:14

Percent Solids: 63.4

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

| Analyte                       | Result     | Qualifier | RL  | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|------------|-----------|-----|-----|-------|---|----------------|----------------|---------|
| Di-n-octyl phthalate          | ND         |           | 260 | 31  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 22:52 | 1       |
| <b>Fluoranthene</b>           | <b>160</b> | <b>J</b>  | 260 | 28  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 22:52 | 1       |
| Fluorene                      | ND         |           | 260 | 31  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 22:52 | 1       |
| Hexachlorobenzene             | ND         |           | 260 | 35  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 22:52 | 1       |
| Hexachlorobutadiene           | ND         |           | 260 | 39  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 22:52 | 1       |
| Hexachlorocyclopentadiene     | ND         |           | 260 | 35  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 22:52 | 1       |
| Hexachloroethane              | ND         |           | 260 | 34  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 22:52 | 1       |
| <b>Indeno(1,2,3-cd)pyrene</b> | <b>59</b>  | <b>J</b>  | 260 | 32  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 22:52 | 1       |
| Isophorone                    | ND         |           | 260 | 56  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 22:52 | 1       |
| Naphthalene                   | ND         |           | 260 | 34  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 22:52 | 1       |
| Nitrobenzene                  | ND         |           | 260 | 29  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 22:52 | 1       |
| N-Nitrosodi-n-propylamine     | ND         |           | 260 | 45  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 22:52 | 1       |
| N-Nitrosodiphenylamine        | ND         |           | 260 | 210 | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 22:52 | 1       |
| Pentachlorophenol             | ND         |           | 510 | 260 | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 22:52 | 1       |
| <b>Phenanthrene</b>           | <b>52</b>  | <b>J</b>  | 260 | 39  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 22:52 | 1       |
| <b>Phenol</b>                 | <b>53</b>  | <b>J</b>  | 260 | 40  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 22:52 | 1       |
| <b>Pyrene</b>                 | <b>180</b> | <b>J</b>  | 260 | 31  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 22:52 | 1       |

| Surrogate            | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 2,4,6-Tribromophenol | 91        |           | 54 - 120 | 06/29/21 15:10 | 07/01/21 22:52 | 1       |
| 2-Fluorobiphenyl     | 83        |           | 60 - 120 | 06/29/21 15:10 | 07/01/21 22:52 | 1       |
| 2-Fluorophenol       | 73        |           | 52 - 120 | 06/29/21 15:10 | 07/01/21 22:52 | 1       |
| Nitrobenzene-d5      | 79        |           | 53 - 120 | 06/29/21 15:10 | 07/01/21 22:52 | 1       |
| p-Terphenyl-d14      | 93        |           | 79 - 130 | 06/29/21 15:10 | 07/01/21 22:52 | 1       |
| Phenol-d5            | 76        |           | 54 - 120 | 06/29/21 15:10 | 07/01/21 22:52 | 1       |

## Method: 8081B - Organochlorine Pesticides (GC)

| Analyte                | Result      | Qualifier | RL  | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|------------------------|-------------|-----------|-----|------|-------|---|----------------|----------------|---------|
| 4,4'-DDD               | ND          |           | 2.6 | 0.51 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 19:47 | 1       |
| <b>4,4'-DDE</b>        | <b>0.97</b> | <b>J</b>  | 2.6 | 0.55 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 19:47 | 1       |
| <b>4,4'-DDT</b>        | <b>1.2</b>  | <b>J</b>  | 2.6 | 0.61 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 19:47 | 1       |
| Aldrin                 | ND          |           | 2.6 | 0.65 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 19:47 | 1       |
| alpha-BHC              | ND          |           | 2.6 | 0.47 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 19:47 | 1       |
| <b>beta-BHC</b>        | <b>0.73</b> | <b>J</b>  | 2.6 | 0.47 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 19:47 | 1       |
| cis-Chlordane          | ND          |           | 2.6 | 1.3  | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 19:47 | 1       |
| delta-BHC              | ND          |           | 2.6 | 0.49 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 19:47 | 1       |
| Dieldrin               | ND          |           | 2.6 | 0.63 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 19:47 | 1       |
| Endosulfan I           | ND          |           | 2.6 | 0.50 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 19:47 | 1       |
| Endosulfan II          | ND          |           | 2.6 | 0.47 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 19:47 | 1       |
| Endosulfan sulfate     | ND          |           | 2.6 | 0.49 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 19:47 | 1       |
| Endrin                 | ND          |           | 2.6 | 0.52 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 19:47 | 1       |
| <b>Endrin aldehyde</b> | <b>5.8</b>  |           | 2.6 | 0.67 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 19:47 | 1       |
| Endrin ketone          | ND          |           | 2.6 | 0.65 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 19:47 | 1       |
| gamma-BHC (Lindane)    | ND          |           | 2.6 | 0.48 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 19:47 | 1       |
| Heptachlor             | ND          |           | 2.6 | 0.57 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 19:47 | 1       |
| Heptachlor epoxide     | ND          |           | 2.6 | 0.68 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 19:47 | 1       |
| Methoxychlor           | ND          |           | 2.6 | 0.54 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 19:47 | 1       |
| Mirex                  | ND          |           | 2.6 | 0.64 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 19:47 | 1       |
| Toxaphene              | ND          |           | 26  | 15   | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 19:47 | 1       |
| trans-Chlordane        | ND          |           | 2.6 | 0.83 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 19:47 | 1       |

Eurofins TestAmerica, Buffalo

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

Client Sample ID: SS-22-0002

Lab Sample ID: 480-186319-33

Date Collected: 06/21/21 13:45

Matrix: Solid

Date Received: 06/21/21 16:14

Percent Solids: 63.4

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| DCB Decachlorobiphenyl | 75        |           | 45 - 120 | 06/28/21 15:10 | 06/29/21 19:47 | 1       |
| DCB Decachlorobiphenyl | 79        |           | 45 - 120 | 06/28/21 15:10 | 06/29/21 19:47 | 1       |
| Tetrachloro-m-xylene   | 79        |           | 30 - 124 | 06/28/21 15:10 | 06/29/21 19:47 | 1       |
| Tetrachloro-m-xylene   | 58        |           | 30 - 124 | 06/28/21 15:10 | 06/29/21 19:47 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| PCB-1016 | ND     |           | 0.30 | 0.059 | mg/Kg | ☆ | 06/30/21 15:12 | 07/01/21 16:10 | 1       |
| PCB-1221 | ND     |           | 0.30 | 0.059 | mg/Kg | ☆ | 06/30/21 15:12 | 07/01/21 16:10 | 1       |
| PCB-1232 | ND     |           | 0.30 | 0.059 | mg/Kg | ☆ | 06/30/21 15:12 | 07/01/21 16:10 | 1       |
| PCB-1242 | ND     |           | 0.30 | 0.059 | mg/Kg | ☆ | 06/30/21 15:12 | 07/01/21 16:10 | 1       |
| PCB-1248 | ND     |           | 0.30 | 0.059 | mg/Kg | ☆ | 06/30/21 15:12 | 07/01/21 16:10 | 1       |
| PCB-1254 | ND     |           | 0.30 | 0.14  | mg/Kg | ☆ | 06/30/21 15:12 | 07/01/21 16:10 | 1       |
| PCB-1260 | ND     |           | 0.30 | 0.14  | mg/Kg | ☆ | 06/30/21 15:12 | 07/01/21 16:10 | 1       |
| PCB-1262 | ND     |           | 0.30 | 0.14  | mg/Kg | ☆ | 06/30/21 15:12 | 07/01/21 16:10 | 1       |
| PCB-1268 | ND     |           | 0.30 | 0.14  | mg/Kg | ☆ | 06/30/21 15:12 | 07/01/21 16:10 | 1       |

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| Tetrachloro-m-xylene   | 86        |           | 60 - 154 | 06/30/21 15:12 | 07/01/21 16:10 | 1       |
| Tetrachloro-m-xylene   | 91        |           | 60 - 154 | 06/30/21 15:12 | 07/01/21 16:10 | 1       |
| DCB Decachlorobiphenyl | 83        |           | 65 - 174 | 06/30/21 15:12 | 07/01/21 16:10 | 1       |
| DCB Decachlorobiphenyl | 69        |           | 65 - 174 | 06/30/21 15:12 | 07/01/21 16:10 | 1       |

## Method: 6010C - Metals (ICP)

| Analyte   | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| Aluminum  | 15000  |           | 15.9 | 7.0   | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:37 | 1       |
| Antimony  | ND     |           | 23.8 | 0.64  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:37 | 1       |
| Arsenic   | 4.2    |           | 3.2  | 0.64  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:37 | 1       |
| Barium    | 93.5   | ^6+       | 0.79 | 0.17  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:37 | 1       |
| Beryllium | 0.49   |           | 0.32 | 0.045 | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:37 | 1       |
| Cadmium   | 0.70   |           | 0.32 | 0.048 | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:37 | 1       |
| Calcium   | 7350   | B         | 79.5 | 5.2   | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:37 | 1       |
| Chromium  | 19.2   |           | 0.79 | 0.32  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:37 | 1       |
| Cobalt    | 4.9    |           | 0.79 | 0.079 | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:37 | 1       |
| Copper    | 24.9   |           | 1.6  | 0.33  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:37 | 1       |
| Iron      | 16600  | B ^+      | 15.9 | 5.6   | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:37 | 1       |
| Lead      | 41.5   |           | 1.6  | 0.38  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:37 | 1       |
| Magnesium | 3470   | B         | 31.8 | 1.5   | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:37 | 1       |
| Manganese | 188    | B         | 0.32 | 0.051 | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:37 | 1       |
| Nickel    | 18.5   |           | 7.9  | 0.37  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:37 | 1       |
| Potassium | 1910   |           | 47.7 | 31.8  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:37 | 1       |
| Selenium  | 1.7    | J         | 6.4  | 0.64  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:37 | 1       |
| Silver    | 0.55   | J         | 0.95 | 0.32  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:37 | 1       |
| Sodium    | 114    | J         | 223  | 20.7  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:37 | 1       |
| Thallium  | ND     |           | 9.5  | 0.48  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:37 | 1       |
| Vanadium  | 28.0   |           | 0.79 | 0.17  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:37 | 1       |
| Zinc      | 153    |           | 3.2  | 1.0   | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:37 | 1       |

## Method: 7471B - Mercury (CVAA)

| Analyte | Result | Qualifier | RL    | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------|--------|-----------|-------|-------|-------|---|----------------|----------------|---------|
| Mercury | 0.23   |           | 0.079 | 0.018 | mg/Kg | ☆ | 07/01/21 13:35 | 07/01/21 15:33 | 1       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

Client Sample ID: SS-22-0212

Lab Sample ID: 480-186319-34

Date Collected: 06/21/21 13:50

Matrix: Solid

Date Received: 06/21/21 16:14

Percent Solids: 70.1

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

| Analyte                       | Result | Qualifier | RL    | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|--------|-----------|-------|-------|-------|---|----------------|----------------|---------|
| 2,4,5-Trichlorophenol         | ND     |           | 1200  | 320   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 23:16 | 5       |
| 2,4,6-Trichlorophenol         | ND     |           | 1200  | 240   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 23:16 | 5       |
| 2,4-Dichlorophenol            | ND     |           | 1200  | 120   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 23:16 | 5       |
| 2,4-Dimethylphenol            | ND     |           | 1200  | 280   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 23:16 | 5       |
| 2,4-Dinitrophenol             | ND     |           | 11000 | 5400  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 23:16 | 5       |
| 2,4-Dinitrotoluene            | ND     |           | 1200  | 240   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 23:16 | 5       |
| 2,6-Dinitrotoluene            | ND     |           | 1200  | 140   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 23:16 | 5       |
| 2-Chloronaphthalene           | ND     |           | 1200  | 190   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 23:16 | 5       |
| 2-Chlorophenol                | ND     |           | 2300  | 210   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 23:16 | 5       |
| 2-Methylnaphthalene           | ND     |           | 1200  | 240   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 23:16 | 5       |
| 2-Methylphenol                | ND     |           | 1200  | 140   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 23:16 | 5       |
| 2-Nitroaniline                | ND     |           | 2300  | 170   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 23:16 | 5       |
| 2-Nitrophenol                 | ND     |           | 1200  | 330   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 23:16 | 5       |
| 3,3'-Dichlorobenzidine        | ND     |           | 2300  | 1400  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 23:16 | 5       |
| 3-Nitroaniline                | ND     |           | 2300  | 330   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 23:16 | 5       |
| 4,6-Dinitro-2-methylphenol    | ND     |           | 2300  | 1200  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 23:16 | 5       |
| 4-Bromophenyl phenyl ether    | ND     |           | 1200  | 170   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 23:16 | 5       |
| 4-Chloro-3-methylphenol       | ND     |           | 1200  | 290   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 23:16 | 5       |
| 4-Chloroaniline               | ND     |           | 1200  | 290   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 23:16 | 5       |
| 4-Chlorophenyl phenyl ether   | ND     |           | 1200  | 150   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 23:16 | 5       |
| 4-Methylphenol                | ND     |           | 2300  | 140   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 23:16 | 5       |
| 4-Nitroaniline                | ND     |           | 2300  | 620   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 23:16 | 5       |
| 4-Nitrophenol                 | ND     |           | 2300  | 820   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 23:16 | 5       |
| Acenaphthene                  | 720    | J         | 1200  | 170   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 23:16 | 5       |
| Acenaphthylene                | 1600   |           | 1200  | 150   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 23:16 | 5       |
| Acetophenone                  | ND     |           | 1200  | 160   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 23:16 | 5       |
| Anthracene                    | 4000   |           | 1200  | 290   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 23:16 | 5       |
| Atrazine                      | ND     |           | 1200  | 410   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 23:16 | 5       |
| Benzaldehyde                  | ND     |           | 1200  | 930   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 23:16 | 5       |
| Benzo(a)anthracene            | 9100   |           | 1200  | 120   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 23:16 | 5       |
| Benzo(a)pyrene                | 7300   |           | 1200  | 170   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 23:16 | 5       |
| Benzo(b)fluoranthene          | 8700   |           | 1200  | 190   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 23:16 | 5       |
| Benzo(g,h,i)perylene          | 3200   |           | 1200  | 120   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 23:16 | 5       |
| Benzo(k)fluoranthene          | 3700   |           | 1200  | 150   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 23:16 | 5       |
| Benzoic acid                  | ND     |           | 33000 | 10000 | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 23:16 | 5       |
| Biphenyl                      | ND     |           | 1200  | 170   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 23:16 | 5       |
| bis (2-chloroisopropyl) ether | ND     |           | 1200  | 240   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 23:16 | 5       |
| Bis(2-chloroethoxy)methane    | ND     |           | 1200  | 250   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 23:16 | 5       |
| Bis(2-chloroethyl)ether       | ND     |           | 1200  | 150   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 23:16 | 5       |
| Bis(2-ethylhexyl) phthalate   | ND     |           | 1200  | 400   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 23:16 | 5       |
| Butyl benzyl phthalate        | ND     |           | 1200  | 190   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 23:16 | 5       |
| Caprolactam                   | ND     |           | 1200  | 350   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 23:16 | 5       |
| Carbazole                     | 300    | J         | 1200  | 140   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 23:16 | 5       |
| Chrysene                      | 8900   |           | 1200  | 260   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 23:16 | 5       |
| Dibenz(a,h)anthracene         | 1200   |           | 1200  | 210   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 23:16 | 5       |
| Dibenzofuran                  | 440    | J         | 1200  | 140   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 23:16 | 5       |
| Diethyl phthalate             | ND     |           | 1200  | 150   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 23:16 | 5       |
| Dimethyl phthalate            | ND     |           | 1200  | 140   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 23:16 | 5       |
| Di-n-butyl phthalate          | ND     |           | 1200  | 200   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 23:16 | 5       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

Client Sample ID: SS-22-0212

Lab Sample ID: 480-186319-34

Date Collected: 06/21/21 13:50

Matrix: Solid

Date Received: 06/21/21 16:14

Percent Solids: 70.1

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

| Analyte                       | Result       | Qualifier | RL   | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|--------------|-----------|------|------|-------|---|----------------|----------------|---------|
| Di-n-octyl phthalate          | ND           |           | 1200 | 140  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 23:16 | 5       |
| <b>Fluoranthene</b>           | <b>19000</b> |           | 1200 | 120  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 23:16 | 5       |
| <b>Fluorene</b>               | <b>1400</b>  |           | 1200 | 140  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 23:16 | 5       |
| Hexachlorobenzene             | ND           |           | 1200 | 160  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 23:16 | 5       |
| Hexachlorobutadiene           | ND           |           | 1200 | 170  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 23:16 | 5       |
| Hexachlorocyclopentadiene     | ND           |           | 1200 | 160  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 23:16 | 5       |
| Hexachloroethane              | ND           |           | 1200 | 150  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 23:16 | 5       |
| <b>Indeno(1,2,3-cd)pyrene</b> | <b>3300</b>  |           | 1200 | 150  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 23:16 | 5       |
| Isophorone                    | ND           |           | 1200 | 250  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 23:16 | 5       |
| Naphthalene                   | ND           |           | 1200 | 150  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 23:16 | 5       |
| Nitrobenzene                  | ND           |           | 1200 | 130  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 23:16 | 5       |
| N-Nitrosodi-n-propylamine     | ND           |           | 1200 | 200  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 23:16 | 5       |
| N-Nitrosodiphenylamine        | ND           |           | 1200 | 960  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 23:16 | 5       |
| Pentachlorophenol             | ND           |           | 2300 | 1200 | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 23:16 | 5       |
| <b>Phenanthrene</b>           | <b>12000</b> |           | 1200 | 170  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 23:16 | 5       |
| Phenol                        | ND           |           | 1200 | 180  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 23:16 | 5       |
| <b>Pyrene</b>                 | <b>17000</b> |           | 1200 | 140  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 23:16 | 5       |

| Surrogate            | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 2,4,6-Tribromophenol | 91        |           | 54 - 120 | 06/29/21 15:10 | 07/01/21 23:16 | 5       |
| 2-Fluorobiphenyl     | 77        |           | 60 - 120 | 06/29/21 15:10 | 07/01/21 23:16 | 5       |
| 2-Fluorophenol       | 72        |           | 52 - 120 | 06/29/21 15:10 | 07/01/21 23:16 | 5       |
| Nitrobenzene-d5      | 75        |           | 53 - 120 | 06/29/21 15:10 | 07/01/21 23:16 | 5       |
| p-Terphenyl-d14      | 77        | S1-       | 79 - 130 | 06/29/21 15:10 | 07/01/21 23:16 | 5       |
| Phenol-d5            | 74        |           | 54 - 120 | 06/29/21 15:10 | 07/01/21 23:16 | 5       |

## Method: 8081B - Organochlorine Pesticides (GC)

| Analyte              | Result      | Qualifier | RL  | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------------------|-------------|-----------|-----|------|-------|---|----------------|----------------|---------|
| 4,4'-DDD             | ND          |           | 2.4 | 0.46 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 20:06 | 1       |
| <b>4,4'-DDE</b>      | <b>0.87</b> | <b>J</b>  | 2.4 | 0.50 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 20:06 | 1       |
| <b>4,4'-DDT</b>      | <b>2.7</b>  |           | 2.4 | 0.55 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 20:06 | 1       |
| Aldrin               | ND          |           | 2.4 | 0.58 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 20:06 | 1       |
| alpha-BHC            | ND          |           | 2.4 | 0.42 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 20:06 | 1       |
| beta-BHC             | ND          |           | 2.4 | 0.42 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 20:06 | 1       |
| cis-Chlordane        | ND          |           | 2.4 | 1.2  | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 20:06 | 1       |
| delta-BHC            | ND          |           | 2.4 | 0.44 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 20:06 | 1       |
| <b>Dieldrin</b>      | <b>1.4</b>  | <b>J</b>  | 2.4 | 0.57 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 20:06 | 1       |
| Endosulfan I         | ND          |           | 2.4 | 0.45 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 20:06 | 1       |
| <b>Endosulfan II</b> | <b>1.4</b>  | <b>J</b>  | 2.4 | 0.42 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 20:06 | 1       |
| Endosulfan sulfate   | ND          |           | 2.4 | 0.44 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 20:06 | 1       |
| Endrin               | ND          |           | 2.4 | 0.47 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 20:06 | 1       |
| Endrin aldehyde      | ND          |           | 2.4 | 0.60 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 20:06 | 1       |
| Endrin ketone        | ND          |           | 2.4 | 0.58 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 20:06 | 1       |
| gamma-BHC (Lindane)  | ND          |           | 2.4 | 0.43 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 20:06 | 1       |
| Heptachlor           | ND          |           | 2.4 | 0.51 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 20:06 | 1       |
| Heptachlor epoxide   | ND          |           | 2.4 | 0.61 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 20:06 | 1       |
| <b>Methoxychlor</b>  | <b>0.53</b> | <b>J</b>  | 2.4 | 0.48 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 20:06 | 1       |
| <b>Mirex</b>         | <b>1.3</b>  | <b>J</b>  | 2.4 | 0.58 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 20:06 | 1       |
| Toxaphene            | ND          |           | 24  | 14   | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 20:06 | 1       |
| trans-Chlordane      | ND          |           | 2.4 | 0.75 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 20:06 | 1       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

Client Sample ID: SS-22-0212

Lab Sample ID: 480-186319-34

Date Collected: 06/21/21 13:50

Matrix: Solid

Date Received: 06/21/21 16:14

Percent Solids: 70.1

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| DCB Decachlorobiphenyl | 78        |           | 45 - 120 | 06/28/21 15:10 | 06/29/21 20:06 | 1       |
| DCB Decachlorobiphenyl | 106       |           | 45 - 120 | 06/28/21 15:10 | 06/29/21 20:06 | 1       |
| Tetrachloro-m-xylene   | 74        |           | 30 - 124 | 06/28/21 15:10 | 06/29/21 20:06 | 1       |
| Tetrachloro-m-xylene   | 60        |           | 30 - 124 | 06/28/21 15:10 | 06/29/21 20:06 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| PCB-1016 | ND     |           | 0.33 | 0.064 | mg/Kg | ☆ | 06/30/21 15:12 | 07/01/21 16:23 | 1       |
| PCB-1221 | ND     |           | 0.33 | 0.064 | mg/Kg | ☆ | 06/30/21 15:12 | 07/01/21 16:23 | 1       |
| PCB-1232 | ND     |           | 0.33 | 0.064 | mg/Kg | ☆ | 06/30/21 15:12 | 07/01/21 16:23 | 1       |
| PCB-1242 | ND     |           | 0.33 | 0.064 | mg/Kg | ☆ | 06/30/21 15:12 | 07/01/21 16:23 | 1       |
| PCB-1248 | ND     |           | 0.33 | 0.064 | mg/Kg | ☆ | 06/30/21 15:12 | 07/01/21 16:23 | 1       |
| PCB-1254 | ND     |           | 0.33 | 0.15  | mg/Kg | ☆ | 06/30/21 15:12 | 07/01/21 16:23 | 1       |
| PCB-1260 | ND     |           | 0.33 | 0.15  | mg/Kg | ☆ | 06/30/21 15:12 | 07/01/21 16:23 | 1       |
| PCB-1262 | ND     |           | 0.33 | 0.15  | mg/Kg | ☆ | 06/30/21 15:12 | 07/01/21 16:23 | 1       |
| PCB-1268 | ND     |           | 0.33 | 0.15  | mg/Kg | ☆ | 06/30/21 15:12 | 07/01/21 16:23 | 1       |

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| Tetrachloro-m-xylene   | 108       |           | 60 - 154 | 06/30/21 15:12 | 07/01/21 16:23 | 1       |
| Tetrachloro-m-xylene   | 112       |           | 60 - 154 | 06/30/21 15:12 | 07/01/21 16:23 | 1       |
| DCB Decachlorobiphenyl | 102       |           | 65 - 174 | 06/30/21 15:12 | 07/01/21 16:23 | 1       |
| DCB Decachlorobiphenyl | 84        |           | 65 - 174 | 06/30/21 15:12 | 07/01/21 16:23 | 1       |

## Method: 6010C - Metals (ICP)

| Analyte   | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| Aluminum  | 16800  |           | 15.1 | 6.6   | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:40 | 1       |
| Antimony  | ND     |           | 22.6 | 0.60  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:40 | 1       |
| Arsenic   | 4.4    |           | 3.0  | 0.60  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:40 | 1       |
| Barium    | 100    | ^6+       | 0.75 | 0.17  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:40 | 1       |
| Beryllium | 0.50   |           | 0.30 | 0.042 | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:40 | 1       |
| Cadmium   | 0.53   |           | 0.30 | 0.045 | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:40 | 1       |
| Calcium   | 5500   | B         | 75.5 | 5.0   | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:40 | 1       |
| Chromium  | 20.1   |           | 0.75 | 0.30  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:40 | 1       |
| Cobalt    | 5.0    |           | 0.75 | 0.075 | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:40 | 1       |
| Copper    | 19.7   |           | 1.5  | 0.32  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:40 | 1       |
| Iron      | 16700  | B ^+      | 15.1 | 5.3   | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:40 | 1       |
| Lead      | 34.6   |           | 1.5  | 0.36  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:40 | 1       |
| Magnesium | 3170   | B         | 30.2 | 1.4   | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:40 | 1       |
| Manganese | 203    | B         | 0.30 | 0.048 | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:40 | 1       |
| Nickel    | 18.7   |           | 7.5  | 0.35  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:40 | 1       |
| Potassium | 1820   |           | 45.3 | 30.2  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:40 | 1       |
| Selenium  | 1.2    | J         | 6.0  | 0.60  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:40 | 1       |
| Silver    | 0.32   | J         | 0.91 | 0.30  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:40 | 1       |
| Sodium    | 123    | J         | 211  | 19.6  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:40 | 1       |
| Thallium  | ND     |           | 9.1  | 0.45  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:40 | 1       |
| Vanadium  | 30.6   |           | 0.75 | 0.17  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:40 | 1       |
| Zinc      | 134    |           | 3.0  | 0.97  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:40 | 1       |

## Method: 7471B - Mercury (CVAA)

| Analyte | Result | Qualifier | RL    | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------|--------|-----------|-------|-------|-------|---|----------------|----------------|---------|
| Mercury | 0.097  |           | 0.069 | 0.016 | mg/Kg | ☆ | 07/01/21 13:35 | 07/01/21 15:34 | 1       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

Client Sample ID: SS-23-0002

Lab Sample ID: 480-186319-35

Date Collected: 06/21/21 13:35

Matrix: Solid

Date Received: 06/21/21 16:14

Percent Solids: 49.7

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

| Analyte                       | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|--------|-----------|------|------|-------|---|----------------|----------------|---------|
| 2,4,5-Trichlorophenol         | ND     |           | 340  | 91   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 23:40 | 1       |
| 2,4,6-Trichlorophenol         | ND     |           | 340  | 67   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 23:40 | 1       |
| 2,4-Dichlorophenol            | ND     |           | 340  | 36   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 23:40 | 1       |
| 2,4-Dimethylphenol            | ND     |           | 340  | 81   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 23:40 | 1       |
| 2,4-Dinitrophenol             | ND     |           | 3300 | 1600 | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 23:40 | 1       |
| 2,4-Dinitrotoluene            | ND     |           | 340  | 69   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 23:40 | 1       |
| 2,6-Dinitrotoluene            | ND     |           | 340  | 40   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 23:40 | 1       |
| 2-Chloronaphthalene           | ND     |           | 340  | 55   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 23:40 | 1       |
| 2-Chlorophenol                | ND     |           | 650  | 61   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 23:40 | 1       |
| 2-Methylnaphthalene           | ND     |           | 340  | 67   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 23:40 | 1       |
| 2-Methylphenol                | ND     |           | 340  | 40   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 23:40 | 1       |
| 2-Nitroaniline                | ND     |           | 650  | 50   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 23:40 | 1       |
| 2-Nitrophenol                 | ND     |           | 340  | 95   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 23:40 | 1       |
| 3,3'-Dichlorobenzidine        | ND     |           | 650  | 400  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 23:40 | 1       |
| 3-Nitroaniline                | ND     |           | 650  | 93   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 23:40 | 1       |
| 4,6-Dinitro-2-methylphenol    | ND     |           | 650  | 340  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 23:40 | 1       |
| 4-Bromophenyl phenyl ether    | ND     |           | 340  | 48   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 23:40 | 1       |
| 4-Chloro-3-methylphenol       | ND     |           | 340  | 83   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 23:40 | 1       |
| 4-Chloroaniline               | ND     |           | 340  | 83   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 23:40 | 1       |
| 4-Chlorophenyl phenyl ether   | ND     |           | 340  | 42   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 23:40 | 1       |
| 4-Methylphenol                | ND     |           | 650  | 40   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 23:40 | 1       |
| 4-Nitroaniline                | ND     |           | 650  | 180  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 23:40 | 1       |
| 4-Nitrophenol                 | ND     |           | 650  | 240  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 23:40 | 1       |
| Acenaphthene                  | ND     |           | 340  | 50   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 23:40 | 1       |
| Acenaphthylene                | ND     |           | 340  | 44   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 23:40 | 1       |
| Acetophenone                  | ND     |           | 340  | 46   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 23:40 | 1       |
| Anthracene                    | ND     |           | 340  | 83   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 23:40 | 1       |
| Atrazine                      | ND     |           | 340  | 120  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 23:40 | 1       |
| Benzaldehyde                  | ND     |           | 340  | 270  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 23:40 | 1       |
| Benzo(a)anthracene            | 210    | J         | 340  | 34   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 23:40 | 1       |
| Benzo(a)pyrene                | 170    | J         | 340  | 50   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 23:40 | 1       |
| Benzo(b)fluoranthene          | 220    | J         | 340  | 53   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 23:40 | 1       |
| Benzo(g,h,i)perylene          | 87     | J         | 340  | 36   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 23:40 | 1       |
| Benzo(k)fluoranthene          | 95     | J         | 340  | 44   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 23:40 | 1       |
| Benzoic acid                  | ND     |           | 9500 | 3000 | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 23:40 | 1       |
| Biphenyl                      | ND     |           | 340  | 50   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 23:40 | 1       |
| bis (2-chloroisopropyl) ether | ND     |           | 340  | 67   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 23:40 | 1       |
| Bis(2-chloroethoxy)methane    | ND     |           | 340  | 71   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 23:40 | 1       |
| Bis(2-chloroethyl)ether       | ND     |           | 340  | 44   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 23:40 | 1       |
| Bis(2-ethylhexyl) phthalate   | ND     |           | 340  | 110  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 23:40 | 1       |
| Butyl benzyl phthalate        | ND     |           | 340  | 55   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 23:40 | 1       |
| Caprolactam                   | ND     |           | 340  | 100  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 23:40 | 1       |
| Carbazole                     | 43     | J         | 340  | 40   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 23:40 | 1       |
| Chrysene                      | 220    | J         | 340  | 75   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 23:40 | 1       |
| Dibenz(a,h)anthracene         | ND     |           | 340  | 59   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 23:40 | 1       |
| Dibenzofuran                  | ND     |           | 340  | 40   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 23:40 | 1       |
| Diethyl phthalate             | ND     |           | 340  | 44   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 23:40 | 1       |
| Dimethyl phthalate            | ND     |           | 340  | 40   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 23:40 | 1       |
| Di-n-butyl phthalate          | 70     | J B       | 340  | 57   | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 23:40 | 1       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

Client Sample ID: SS-23-0002

Lab Sample ID: 480-186319-35

Date Collected: 06/21/21 13:35

Matrix: Solid

Date Received: 06/21/21 16:14

Percent Solids: 49.7

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

| Analyte                       | Result      | Qualifier | RL  | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|-------------|-----------|-----|-----|-------|---|----------------|----------------|---------|
| Di-n-octyl phthalate          | ND          |           | 340 | 40  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 23:40 | 1       |
| <b>Fluoranthene</b>           | <b>460</b>  |           | 340 | 36  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 23:40 | 1       |
| Fluorene                      | ND          |           | 340 | 40  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 23:40 | 1       |
| Hexachlorobenzene             | ND          |           | 340 | 46  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 23:40 | 1       |
| Hexachlorobutadiene           | ND          |           | 340 | 50  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 23:40 | 1       |
| Hexachlorocyclopentadiene     | ND          |           | 340 | 46  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 23:40 | 1       |
| Hexachloroethane              | ND          |           | 340 | 44  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 23:40 | 1       |
| <b>Indeno(1,2,3-cd)pyrene</b> | <b>89 J</b> |           | 340 | 42  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 23:40 | 1       |
| Isophorone                    | ND          |           | 340 | 71  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 23:40 | 1       |
| Naphthalene                   | ND          |           | 340 | 44  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 23:40 | 1       |
| Nitrobenzene                  | ND          |           | 340 | 38  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 23:40 | 1       |
| N-Nitrosodi-n-propylamine     | ND          |           | 340 | 57  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 23:40 | 1       |
| N-Nitrosodiphenylamine        | ND          |           | 340 | 270 | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 23:40 | 1       |
| Pentachlorophenol             | ND          |           | 650 | 340 | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 23:40 | 1       |
| <b>Phenanthrene</b>           | <b>340</b>  |           | 340 | 50  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 23:40 | 1       |
| Phenol                        | ND          |           | 340 | 51  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 23:40 | 1       |
| <b>Pyrene</b>                 | <b>340</b>  |           | 340 | 40  | ug/Kg | ✱ | 06/29/21 15:10 | 07/01/21 23:40 | 1       |

| Surrogate            | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 2,4,6-Tribromophenol | 92        |           | 54 - 120 | 06/29/21 15:10 | 07/01/21 23:40 | 1       |
| 2-Fluorobiphenyl     | 83        |           | 60 - 120 | 06/29/21 15:10 | 07/01/21 23:40 | 1       |
| 2-Fluorophenol       | 74        |           | 52 - 120 | 06/29/21 15:10 | 07/01/21 23:40 | 1       |
| Nitrobenzene-d5      | 81        |           | 53 - 120 | 06/29/21 15:10 | 07/01/21 23:40 | 1       |
| p-Terphenyl-d14      | 89        |           | 79 - 130 | 06/29/21 15:10 | 07/01/21 23:40 | 1       |
| Phenol-d5            | 74        |           | 54 - 120 | 06/29/21 15:10 | 07/01/21 23:40 | 1       |

## Method: 8081B - Organochlorine Pesticides (GC)

| Analyte                | Result       | Qualifier | RL  | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|------------------------|--------------|-----------|-----|------|-------|---|----------------|----------------|---------|
| 4,4'-DDD               | ND           |           | 3.3 | 0.65 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 20:26 | 1       |
| <b>4,4'-DDE</b>        | <b>2.0 J</b> |           | 3.3 | 0.70 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 20:26 | 1       |
| 4,4'-DDT               | ND           |           | 3.3 | 0.78 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 20:26 | 1       |
| Aldrin                 | ND           |           | 3.3 | 0.82 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 20:26 | 1       |
| alpha-BHC              | ND           |           | 3.3 | 0.60 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 20:26 | 1       |
| beta-BHC               | ND           |           | 3.3 | 0.60 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 20:26 | 1       |
| cis-Chlordane          | ND           |           | 3.3 | 1.7  | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 20:26 | 1       |
| delta-BHC              | ND           |           | 3.3 | 0.62 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 20:26 | 1       |
| Dieldrin               | ND           |           | 3.3 | 0.80 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 20:26 | 1       |
| Endosulfan I           | ND           |           | 3.3 | 0.64 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 20:26 | 1       |
| <b>Endosulfan II</b>   | <b>2.0 J</b> |           | 3.3 | 0.60 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 20:26 | 1       |
| Endosulfan sulfate     | ND           |           | 3.3 | 0.62 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 20:26 | 1       |
| Endrin                 | ND           |           | 3.3 | 0.66 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 20:26 | 1       |
| <b>Endrin aldehyde</b> | <b>2.2 J</b> |           | 3.3 | 0.85 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 20:26 | 1       |
| Endrin ketone          | ND           |           | 3.3 | 0.82 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 20:26 | 1       |
| gamma-BHC (Lindane)    | ND           |           | 3.3 | 0.61 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 20:26 | 1       |
| Heptachlor             | ND           |           | 3.3 | 0.72 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 20:26 | 1       |
| Heptachlor epoxide     | ND           |           | 3.3 | 0.86 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 20:26 | 1       |
| Methoxychlor           | ND           |           | 3.3 | 0.68 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 20:26 | 1       |
| <b>Mirex</b>           | <b>3.3</b>   |           | 3.3 | 0.81 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 20:26 | 1       |
| Toxaphene              | ND           |           | 33  | 19   | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 20:26 | 1       |
| trans-Chlordane        | ND           |           | 3.3 | 1.1  | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 20:26 | 1       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

Client Sample ID: SS-23-0002

Lab Sample ID: 480-186319-35

Date Collected: 06/21/21 13:35

Matrix: Solid

Date Received: 06/21/21 16:14

Percent Solids: 49.7

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| DCB Decachlorobiphenyl | 79        |           | 45 - 120 | 06/28/21 15:10 | 06/29/21 20:26 | 1       |
| DCB Decachlorobiphenyl | 171       | S1+       | 45 - 120 | 06/28/21 15:10 | 06/29/21 20:26 | 1       |
| Tetrachloro-m-xylene   | 74        |           | 30 - 124 | 06/28/21 15:10 | 06/29/21 20:26 | 1       |
| Tetrachloro-m-xylene   | 66        |           | 30 - 124 | 06/28/21 15:10 | 06/29/21 20:26 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| PCB-1016 | ND     |           | 0.47 | 0.092 | mg/Kg | ☆ | 06/30/21 15:12 | 07/01/21 16:36 | 1       |
| PCB-1221 | ND     |           | 0.47 | 0.092 | mg/Kg | ☆ | 06/30/21 15:12 | 07/01/21 16:36 | 1       |
| PCB-1232 | ND     |           | 0.47 | 0.092 | mg/Kg | ☆ | 06/30/21 15:12 | 07/01/21 16:36 | 1       |
| PCB-1242 | ND     |           | 0.47 | 0.092 | mg/Kg | ☆ | 06/30/21 15:12 | 07/01/21 16:36 | 1       |
| PCB-1248 | ND     |           | 0.47 | 0.092 | mg/Kg | ☆ | 06/30/21 15:12 | 07/01/21 16:36 | 1       |
| PCB-1254 | ND     |           | 0.47 | 0.22  | mg/Kg | ☆ | 06/30/21 15:12 | 07/01/21 16:36 | 1       |
| PCB-1260 | ND     |           | 0.47 | 0.22  | mg/Kg | ☆ | 06/30/21 15:12 | 07/01/21 16:36 | 1       |
| PCB-1262 | ND     |           | 0.47 | 0.22  | mg/Kg | ☆ | 06/30/21 15:12 | 07/01/21 16:36 | 1       |
| PCB-1268 | ND     |           | 0.47 | 0.22  | mg/Kg | ☆ | 06/30/21 15:12 | 07/01/21 16:36 | 1       |

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| Tetrachloro-m-xylene   | 93        |           | 60 - 154 | 06/30/21 15:12 | 07/01/21 16:36 | 1       |
| Tetrachloro-m-xylene   | 99        |           | 60 - 154 | 06/30/21 15:12 | 07/01/21 16:36 | 1       |
| DCB Decachlorobiphenyl | 88        |           | 65 - 174 | 06/30/21 15:12 | 07/01/21 16:36 | 1       |
| DCB Decachlorobiphenyl | 80        |           | 65 - 174 | 06/30/21 15:12 | 07/01/21 16:36 | 1       |

## Method: 6010C - Metals (ICP)

| Analyte   | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| Aluminum  | 15800  |           | 21.0 | 9.3   | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:44 | 1       |
| Antimony  | ND     |           | 31.6 | 0.84  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:44 | 1       |
| Arsenic   | 5.1    |           | 4.2  | 0.84  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:44 | 1       |
| Barium    | 110    | ^6+       | 1.1  | 0.23  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:44 | 1       |
| Beryllium | 0.75   |           | 0.42 | 0.059 | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:44 | 1       |
| Cadmium   | 3.1    |           | 0.42 | 0.063 | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:44 | 1       |
| Calcium   | 31600  | B         | 105  | 6.9   | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:44 | 1       |
| Chromium  | 27.0   |           | 1.1  | 0.42  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:44 | 1       |
| Cobalt    | 9.5    |           | 1.1  | 0.11  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:44 | 1       |
| Copper    | 60.5   |           | 2.1  | 0.44  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:44 | 1       |
| Iron      | 26400  | B ^+      | 21.0 | 7.4   | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:44 | 1       |
| Lead      | 79.1   |           | 2.1  | 0.51  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:44 | 1       |
| Magnesium | 11100  | B         | 42.1 | 2.0   | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:44 | 1       |
| Manganese | 324    | B         | 0.42 | 0.067 | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:44 | 1       |
| Nickel    | 31.0   |           | 10.5 | 0.48  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:44 | 1       |
| Potassium | 3490   |           | 63.1 | 42.1  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:44 | 1       |
| Selenium  | 2.9    | J         | 8.4  | 0.84  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:44 | 1       |
| Silver    | 1.7    |           | 1.3  | 0.42  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:44 | 1       |
| Sodium    | 186    | J         | 295  | 27.4  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:44 | 1       |
| Thallium  | ND     |           | 12.6 | 0.63  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:44 | 1       |
| Vanadium  | 35.3   |           | 1.1  | 0.23  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:44 | 1       |
| Zinc      | 274    |           | 4.2  | 1.3   | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:44 | 1       |

## Method: 7471B - Mercury (CVAA)

| Analyte | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| Mercury | 0.52   |           | 0.10 | 0.024 | mg/Kg | ☆ | 07/01/21 13:35 | 07/01/21 15:35 | 1       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

Client Sample ID: SS-23-0212

Lab Sample ID: 480-186319-36

Date Collected: 06/21/21 13:40

Matrix: Solid

Date Received: 06/21/21 16:14

Percent Solids: 60.8

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

| Analyte                       | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|--------|-----------|------|------|-------|---|----------------|----------------|---------|
| 2,4,5-Trichlorophenol         | ND     |           | 280  | 75   | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 00:04 | 1       |
| 2,4,6-Trichlorophenol         | ND     |           | 280  | 55   | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 00:04 | 1       |
| 2,4-Dichlorophenol            | ND     |           | 280  | 29   | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 00:04 | 1       |
| 2,4-Dimethylphenol            | ND     |           | 280  | 66   | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 00:04 | 1       |
| 2,4-Dinitrophenol             | ND     |           | 2700 | 1300 | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 00:04 | 1       |
| 2,4-Dinitrotoluene            | ND     |           | 280  | 57   | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 00:04 | 1       |
| 2,6-Dinitrotoluene            | ND     |           | 280  | 32   | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 00:04 | 1       |
| 2-Chloronaphthalene           | ND     |           | 280  | 45   | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 00:04 | 1       |
| 2-Chlorophenol                | ND     |           | 530  | 50   | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 00:04 | 1       |
| 2-Methylnaphthalene           | ND     |           | 280  | 55   | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 00:04 | 1       |
| 2-Methylphenol                | ND     |           | 280  | 32   | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 00:04 | 1       |
| 2-Nitroaniline                | ND     |           | 530  | 40   | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 00:04 | 1       |
| 2-Nitrophenol                 | ND     |           | 280  | 78   | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 00:04 | 1       |
| 3,3'-Dichlorobenzidine        | ND     |           | 530  | 320  | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 00:04 | 1       |
| 3-Nitroaniline                | ND     |           | 530  | 76   | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 00:04 | 1       |
| 4,6-Dinitro-2-methylphenol    | ND     |           | 530  | 280  | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 00:04 | 1       |
| 4-Bromophenyl phenyl ether    | ND     |           | 280  | 39   | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 00:04 | 1       |
| 4-Chloro-3-methylphenol       | ND     |           | 280  | 68   | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 00:04 | 1       |
| 4-Chloroaniline               | ND     |           | 280  | 68   | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 00:04 | 1       |
| 4-Chlorophenyl phenyl ether   | ND     |           | 280  | 34   | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 00:04 | 1       |
| 4-Methylphenol                | ND     |           | 530  | 32   | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 00:04 | 1       |
| 4-Nitroaniline                | ND     |           | 530  | 140  | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 00:04 | 1       |
| 4-Nitrophenol                 | ND     |           | 530  | 190  | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 00:04 | 1       |
| Acenaphthene                  | ND     |           | 280  | 40   | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 00:04 | 1       |
| Acenaphthylene                | ND     |           | 280  | 36   | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 00:04 | 1       |
| Acetophenone                  | ND     |           | 280  | 37   | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 00:04 | 1       |
| Anthracene                    | ND     |           | 280  | 68   | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 00:04 | 1       |
| Atrazine                      | ND     |           | 280  | 96   | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 00:04 | 1       |
| Benzaldehyde                  | ND     |           | 280  | 220  | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 00:04 | 1       |
| Benzo(a)anthracene            | ND     |           | 280  | 28   | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 00:04 | 1       |
| Benzo(a)pyrene                | 130    | J         | 280  | 40   | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 00:04 | 1       |
| Benzo(b)fluoranthene          | 160    | J         | 280  | 44   | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 00:04 | 1       |
| Benzo(g,h,i)perylene          | 69     | J         | 280  | 29   | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 00:04 | 1       |
| Benzo(k)fluoranthene          | ND     |           | 280  | 36   | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 00:04 | 1       |
| Benzoic acid                  | ND     |           | 7800 | 2400 | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 00:04 | 1       |
| Biphenyl                      | ND     |           | 280  | 40   | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 00:04 | 1       |
| bis (2-chloroisopropyl) ether | ND     |           | 280  | 55   | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 00:04 | 1       |
| Bis(2-chloroethoxy)methane    | ND     |           | 280  | 58   | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 00:04 | 1       |
| Bis(2-chloroethyl)ether       | ND     |           | 280  | 36   | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 00:04 | 1       |
| Bis(2-ethylhexyl) phthalate   | ND     |           | 280  | 94   | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 00:04 | 1       |
| Butyl benzyl phthalate        | ND     |           | 280  | 45   | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 00:04 | 1       |
| Caprolactam                   | ND     |           | 280  | 83   | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 00:04 | 1       |
| Carbazole                     | ND     |           | 280  | 32   | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 00:04 | 1       |
| Chrysene                      | 160    | J         | 280  | 62   | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 00:04 | 1       |
| Dibenz(a,h)anthracene         | ND     |           | 280  | 49   | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 00:04 | 1       |
| Dibenzofuran                  | ND     |           | 280  | 32   | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 00:04 | 1       |
| Diethyl phthalate             | ND     |           | 280  | 36   | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 00:04 | 1       |
| Dimethyl phthalate            | ND     |           | 280  | 32   | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 00:04 | 1       |
| Di-n-butyl phthalate          | 69     | J B       | 280  | 47   | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 00:04 | 1       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

Client Sample ID: SS-23-0212

Lab Sample ID: 480-186319-36

Date Collected: 06/21/21 13:40

Matrix: Solid

Date Received: 06/21/21 16:14

Percent Solids: 60.8

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

| Analyte                       | Result       | Qualifier | RL  | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|--------------|-----------|-----|-----|-------|---|----------------|----------------|---------|
| Di-n-octyl phthalate          | ND           |           | 280 | 32  | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 00:04 | 1       |
| <b>Fluoranthene</b>           | <b>280</b>   |           | 280 | 29  | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 00:04 | 1       |
| Fluorene                      | ND           |           | 280 | 32  | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 00:04 | 1       |
| Hexachlorobenzene             | ND           |           | 280 | 37  | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 00:04 | 1       |
| Hexachlorobutadiene           | ND           |           | 280 | 40  | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 00:04 | 1       |
| Hexachlorocyclopentadiene     | ND           |           | 280 | 37  | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 00:04 | 1       |
| Hexachloroethane              | ND           |           | 280 | 36  | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 00:04 | 1       |
| <b>Indeno(1,2,3-cd)pyrene</b> | <b>72 J</b>  |           | 280 | 34  | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 00:04 | 1       |
| Isophorone                    | ND           |           | 280 | 58  | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 00:04 | 1       |
| Naphthalene                   | ND           |           | 280 | 36  | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 00:04 | 1       |
| Nitrobenzene                  | ND           |           | 280 | 31  | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 00:04 | 1       |
| N-Nitrosodi-n-propylamine     | ND           |           | 280 | 47  | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 00:04 | 1       |
| N-Nitrosodiphenylamine        | ND           |           | 280 | 220 | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 00:04 | 1       |
| Pentachlorophenol             | ND           |           | 530 | 280 | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 00:04 | 1       |
| <b>Phenanthrene</b>           | <b>240 J</b> |           | 280 | 40  | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 00:04 | 1       |
| Phenol                        | ND           |           | 280 | 42  | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 00:04 | 1       |
| <b>Pyrene</b>                 | <b>280</b>   |           | 280 | 32  | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 00:04 | 1       |

| Surrogate            | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 2,4,6-Tribromophenol | 97        |           | 54 - 120 | 06/29/21 15:10 | 07/02/21 00:04 | 1       |
| 2-Fluorobiphenyl     | 88        |           | 60 - 120 | 06/29/21 15:10 | 07/02/21 00:04 | 1       |
| 2-Fluorophenol       | 77        |           | 52 - 120 | 06/29/21 15:10 | 07/02/21 00:04 | 1       |
| Nitrobenzene-d5      | 82        |           | 53 - 120 | 06/29/21 15:10 | 07/02/21 00:04 | 1       |
| p-Terphenyl-d14      | 94        |           | 79 - 130 | 06/29/21 15:10 | 07/02/21 00:04 | 1       |
| Phenol-d5            | 77        |           | 54 - 120 | 06/29/21 15:10 | 07/02/21 00:04 | 1       |

## Method: 8081B - Organochlorine Pesticides (GC)

| Analyte                | Result        | Qualifier | RL  | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|------------------------|---------------|-----------|-----|------|-------|---|----------------|----------------|---------|
| 4,4'-DDD               | ND            |           | 2.7 | 0.53 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 20:45 | 1       |
| <b>4,4'-DDE</b>        | <b>0.96 J</b> |           | 2.7 | 0.57 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 20:45 | 1       |
| <b>4,4'-DDT</b>        | <b>7.0</b>    |           | 2.7 | 0.64 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 20:45 | 1       |
| Aldrin                 | ND            |           | 2.7 | 0.67 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 20:45 | 1       |
| alpha-BHC              | ND            |           | 2.7 | 0.49 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 20:45 | 1       |
| beta-BHC               | ND            |           | 2.7 | 0.49 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 20:45 | 1       |
| cis-Chlordane          | ND            |           | 2.7 | 1.4  | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 20:45 | 1       |
| delta-BHC              | ND            |           | 2.7 | 0.50 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 20:45 | 1       |
| Dieldrin               | ND            |           | 2.7 | 0.65 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 20:45 | 1       |
| Endosulfan I           | ND            |           | 2.7 | 0.52 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 20:45 | 1       |
| Endosulfan II          | ND            |           | 2.7 | 0.49 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 20:45 | 1       |
| Endosulfan sulfate     | ND            |           | 2.7 | 0.51 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 20:45 | 1       |
| Endrin                 | ND            |           | 2.7 | 0.54 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 20:45 | 1       |
| <b>Endrin aldehyde</b> | <b>2.4 J</b>  |           | 2.7 | 0.69 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 20:45 | 1       |
| Endrin ketone          | ND            |           | 2.7 | 0.67 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 20:45 | 1       |
| gamma-BHC (Lindane)    | ND            |           | 2.7 | 0.50 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 20:45 | 1       |
| Heptachlor             | ND            |           | 2.7 | 0.59 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 20:45 | 1       |
| Heptachlor epoxide     | ND            |           | 2.7 | 0.70 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 20:45 | 1       |
| Methoxychlor           | ND            |           | 2.7 | 0.55 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 20:45 | 1       |
| <b>Mirex</b>           | <b>1.0 J</b>  |           | 2.7 | 0.66 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 20:45 | 1       |
| Toxaphene              | ND            |           | 2.7 | 16   | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 20:45 | 1       |
| trans-Chlordane        | ND            |           | 2.7 | 0.86 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 20:45 | 1       |

Eurofins TestAmerica, Buffalo

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

Client Sample ID: SS-23-0212

Lab Sample ID: 480-186319-36

Date Collected: 06/21/21 13:40

Matrix: Solid

Date Received: 06/21/21 16:14

Percent Solids: 60.8

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| DCB Decachlorobiphenyl | 73        |           | 45 - 120 | 06/28/21 15:10 | 06/29/21 20:45 | 1       |
| DCB Decachlorobiphenyl | 93        |           | 45 - 120 | 06/28/21 15:10 | 06/29/21 20:45 | 1       |
| Tetrachloro-m-xylene   | 67        |           | 30 - 124 | 06/28/21 15:10 | 06/29/21 20:45 | 1       |
| Tetrachloro-m-xylene   | 57        |           | 30 - 124 | 06/28/21 15:10 | 06/29/21 20:45 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| PCB-1016 | ND     |           | 0.41 | 0.079 | mg/Kg | ☆ | 06/30/21 15:12 | 07/01/21 16:49 | 1       |
| PCB-1221 | ND     |           | 0.41 | 0.079 | mg/Kg | ☆ | 06/30/21 15:12 | 07/01/21 16:49 | 1       |
| PCB-1232 | ND     |           | 0.41 | 0.079 | mg/Kg | ☆ | 06/30/21 15:12 | 07/01/21 16:49 | 1       |
| PCB-1242 | ND     |           | 0.41 | 0.079 | mg/Kg | ☆ | 06/30/21 15:12 | 07/01/21 16:49 | 1       |
| PCB-1248 | ND     |           | 0.41 | 0.079 | mg/Kg | ☆ | 06/30/21 15:12 | 07/01/21 16:49 | 1       |
| PCB-1254 | ND     |           | 0.41 | 0.19  | mg/Kg | ☆ | 06/30/21 15:12 | 07/01/21 16:49 | 1       |
| PCB-1260 | ND     |           | 0.41 | 0.19  | mg/Kg | ☆ | 06/30/21 15:12 | 07/01/21 16:49 | 1       |
| PCB-1262 | ND     |           | 0.41 | 0.19  | mg/Kg | ☆ | 06/30/21 15:12 | 07/01/21 16:49 | 1       |
| PCB-1268 | ND     |           | 0.41 | 0.19  | mg/Kg | ☆ | 06/30/21 15:12 | 07/01/21 16:49 | 1       |

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| Tetrachloro-m-xylene   | 115       |           | 60 - 154 | 06/30/21 15:12 | 07/01/21 16:49 | 1       |
| Tetrachloro-m-xylene   | 117       |           | 60 - 154 | 06/30/21 15:12 | 07/01/21 16:49 | 1       |
| DCB Decachlorobiphenyl | 108       |           | 65 - 174 | 06/30/21 15:12 | 07/01/21 16:49 | 1       |
| DCB Decachlorobiphenyl | 94        |           | 65 - 174 | 06/30/21 15:12 | 07/01/21 16:49 | 1       |

## Method: 6010C - Metals (ICP)

| Analyte   | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| Aluminum  | 16200  |           | 16.5 | 7.3   | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:48 | 1       |
| Antimony  | ND     |           | 24.8 | 0.66  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:48 | 1       |
| Arsenic   | 6.8    |           | 3.3  | 0.66  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:48 | 1       |
| Barium    | 117    | ^6+       | 0.83 | 0.18  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:48 | 1       |
| Beryllium | 0.77   |           | 0.33 | 0.046 | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:48 | 1       |
| Cadmium   | 2.1    |           | 0.33 | 0.050 | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:48 | 1       |
| Calcium   | 39800  | B         | 82.6 | 5.5   | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:48 | 1       |
| Chromium  | 28.4   |           | 0.83 | 0.33  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:48 | 1       |
| Cobalt    | 10.6   |           | 0.83 | 0.083 | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:48 | 1       |
| Copper    | 69.1   |           | 1.7  | 0.35  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:48 | 1       |
| Iron      | 28300  | B ^+      | 16.5 | 5.8   | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:48 | 1       |
| Lead      | 84.8   |           | 1.7  | 0.40  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:48 | 1       |
| Magnesium | 15300  | B         | 33.0 | 1.5   | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:48 | 1       |
| Manganese | 394    | B         | 0.33 | 0.053 | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:48 | 1       |
| Nickel    | 34.2   |           | 8.3  | 0.38  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:48 | 1       |
| Potassium | 3310   |           | 49.5 | 33.0  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:48 | 1       |
| Selenium  | 2.9    | J         | 6.6  | 0.66  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:48 | 1       |
| Silver    | 1.9    |           | 0.99 | 0.33  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:48 | 1       |
| Sodium    | 203    | J         | 231  | 21.5  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:48 | 1       |
| Thallium  | ND     |           | 9.9  | 0.50  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:48 | 1       |
| Vanadium  | 38.1   |           | 0.83 | 0.18  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:48 | 1       |
| Zinc      | 233    |           | 3.3  | 1.1   | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:48 | 1       |

## Method: 7471B - Mercury (CVAA)

| Analyte | Result | Qualifier | RL    | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------|--------|-----------|-------|-------|-------|---|----------------|----------------|---------|
| Mercury | 0.46   |           | 0.097 | 0.022 | mg/Kg | ☆ | 07/01/21 13:35 | 07/01/21 15:37 | 1       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

Client Sample ID: SS-24-0002

Lab Sample ID: 480-186319-37

Date Collected: 06/21/21 13:35

Matrix: Solid

Date Received: 06/21/21 16:14

Percent Solids: 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     |           | 1500  | 410   | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 00:28 | 5       |
| 2,4,6-Trichlorophenol         | ND     |           | 1500  | 300   | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 00:28 | 5       |
| 2,4-Dichlorophenol            | ND     |           | 1500  | 160   | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 00:28 | 5       |
| 2,4-Dimethylphenol            | ND     |           | 1500  | 360   | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 00:28 | 5       |
| 2,4-Dinitrophenol             | ND     |           | 15000 | 6900  | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 00:28 | 5       |
| 2,4-Dinitrotoluene            | ND     |           | 1500  | 310   | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 00:28 | 5       |
| 2,6-Dinitrotoluene            | ND     |           | 1500  | 180   | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 00:28 | 5       |
| 2-Chloronaphthalene           | ND     |           | 1500  | 250   | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 00:28 | 5       |
| 2-Chlorophenol                | ND     |           | 2900  | 270   | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 00:28 | 5       |
| 2-Methylnaphthalene           | ND     |           | 1500  | 300   | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 00:28 | 5       |
| 2-Methylphenol                | ND     |           | 1500  | 180   | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 00:28 | 5       |
| 2-Nitroaniline                | ND     |           | 2900  | 220   | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 00:28 | 5       |
| 2-Nitrophenol                 | ND     |           | 1500  | 420   | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 00:28 | 5       |
| 3,3'-Dichlorobenzidine        | ND     |           | 2900  | 1800  | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 00:28 | 5       |
| 3-Nitroaniline                | ND     |           | 2900  | 420   | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 00:28 | 5       |
| 4,6-Dinitro-2-methylphenol    | ND     |           | 2900  | 1500  | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 00:28 | 5       |
| 4-Bromophenyl phenyl ether    | ND     |           | 1500  | 210   | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 00:28 | 5       |
| 4-Chloro-3-methylphenol       | ND     |           | 1500  | 370   | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 00:28 | 5       |
| 4-Chloroaniline               | ND     |           | 1500  | 370   | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 00:28 | 5       |
| 4-Chlorophenyl phenyl ether   | ND     |           | 1500  | 190   | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 00:28 | 5       |
| 4-Methylphenol                | ND     |           | 2900  | 180   | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 00:28 | 5       |
| 4-Nitroaniline                | ND     |           | 2900  | 790   | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 00:28 | 5       |
| 4-Nitrophenol                 | ND     |           | 2900  | 1100  | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 00:28 | 5       |
| Acenaphthene                  | ND     |           | 1500  | 220   | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 00:28 | 5       |
| Acenaphthylene                | ND     |           | 1500  | 190   | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 00:28 | 5       |
| Acetophenone                  | ND     |           | 1500  | 200   | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 00:28 | 5       |
| Anthracene                    | ND     |           | 1500  | 370   | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 00:28 | 5       |
| Atrazine                      | ND     |           | 1500  | 520   | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 00:28 | 5       |
| Benzaldehyde                  | ND     |           | 1500  | 1200  | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 00:28 | 5       |
| Benzo(a)anthracene            | 540    | J         | 1500  | 150   | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 00:28 | 5       |
| Benzo(a)pyrene                | 620    | J         | 1500  | 220   | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 00:28 | 5       |
| Benzo(b)fluoranthene          | 910    | J         | 1500  | 240   | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 00:28 | 5       |
| Benzo(g,h,i)perylene          | 320    | J         | 1500  | 160   | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 00:28 | 5       |
| Benzo(k)fluoranthene          | 410    | J         | 1500  | 190   | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 00:28 | 5       |
| Benzoic acid                  | ND     |           | 42000 | 13000 | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 00:28 | 5       |
| Biphenyl                      | ND     |           | 1500  | 220   | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 00:28 | 5       |
| bis (2-chloroisopropyl) ether | ND     |           | 1500  | 300   | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 00:28 | 5       |
| Bis(2-chloroethoxy)methane    | ND     |           | 1500  | 320   | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 00:28 | 5       |
| Bis(2-chloroethyl)ether       | ND     |           | 1500  | 190   | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 00:28 | 5       |
| Bis(2-ethylhexyl) phthalate   | ND     |           | 1500  | 510   | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 00:28 | 5       |
| Butyl benzyl phthalate        | ND     |           | 1500  | 250   | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 00:28 | 5       |
| Caprolactam                   | ND     |           | 1500  | 450   | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 00:28 | 5       |
| Carbazole                     | ND     |           | 1500  | 180   | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 00:28 | 5       |
| Chrysene                      | 600    | J         | 1500  | 340   | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 00:28 | 5       |
| Dibenz(a,h)anthracene         | ND     |           | 1500  | 270   | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 00:28 | 5       |
| Dibenzofuran                  | ND     |           | 1500  | 180   | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 00:28 | 5       |
| Diethyl phthalate             | ND     |           | 1500  | 190   | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 00:28 | 5       |
| Dimethyl phthalate            | ND     |           | 1500  | 180   | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 00:28 | 5       |
| Di-n-butyl phthalate          | ND     |           | 1500  | 260   | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 00:28 | 5       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

Client Sample ID: SS-24-0002

Lab Sample ID: 480-186319-37

Date Collected: 06/21/21 13:35

Matrix: Solid

Date Received: 06/21/21 16:14

Percent Solids: 55.4

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

| Analyte                       | Result     | Qualifier | RL   | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|------------|-----------|------|------|-------|---|----------------|----------------|---------|
| Di-n-octyl phthalate          | ND         |           | 1500 | 180  | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 00:28 | 5       |
| <b>Fluoranthene</b>           | <b>710</b> | <b>J</b>  | 1500 | 160  | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 00:28 | 5       |
| Fluorene                      | ND         |           | 1500 | 180  | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 00:28 | 5       |
| Hexachlorobenzene             | ND         |           | 1500 | 200  | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 00:28 | 5       |
| Hexachlorobutadiene           | ND         |           | 1500 | 220  | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 00:28 | 5       |
| Hexachlorocyclopentadiene     | ND         |           | 1500 | 200  | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 00:28 | 5       |
| Hexachloroethane              | ND         |           | 1500 | 190  | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 00:28 | 5       |
| <b>Indeno(1,2,3-cd)pyrene</b> | <b>350</b> | <b>J</b>  | 1500 | 190  | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 00:28 | 5       |
| Isophorone                    | ND         |           | 1500 | 320  | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 00:28 | 5       |
| Naphthalene                   | ND         |           | 1500 | 190  | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 00:28 | 5       |
| Nitrobenzene                  | ND         |           | 1500 | 170  | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 00:28 | 5       |
| N-Nitrosodi-n-propylamine     | ND         |           | 1500 | 260  | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 00:28 | 5       |
| N-Nitrosodiphenylamine        | ND         |           | 1500 | 1200 | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 00:28 | 5       |
| Pentachlorophenol             | ND         |           | 2900 | 1500 | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 00:28 | 5       |
| <b>Phenanthrene</b>           | <b>350</b> | <b>J</b>  | 1500 | 220  | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 00:28 | 5       |
| Phenol                        | ND         |           | 1500 | 230  | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 00:28 | 5       |
| <b>Pyrene</b>                 | <b>810</b> | <b>J</b>  | 1500 | 180  | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 00:28 | 5       |

| Surrogate            | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 2,4,6-Tribromophenol | 100       |           | 54 - 120 | 06/29/21 15:10 | 07/02/21 00:28 | 5       |
| 2-Fluorobiphenyl     | 73        |           | 60 - 120 | 06/29/21 15:10 | 07/02/21 00:28 | 5       |
| 2-Fluorophenol       | 62        |           | 52 - 120 | 06/29/21 15:10 | 07/02/21 00:28 | 5       |
| Nitrobenzene-d5      | 64        |           | 53 - 120 | 06/29/21 15:10 | 07/02/21 00:28 | 5       |
| p-Terphenyl-d14      | 95        |           | 79 - 130 | 06/29/21 15:10 | 07/02/21 00:28 | 5       |
| Phenol-d5            | 65        |           | 54 - 120 | 06/29/21 15:10 | 07/02/21 00:28 | 5       |

## Method: 8081B - Organochlorine Pesticides (GC)

| Analyte                | Result     | Qualifier | RL  | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|------------------------|------------|-----------|-----|------|-------|---|----------------|----------------|---------|
| 4,4'-DDD               | ND         |           | 3.0 | 0.58 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 21:24 | 1       |
| 4,4'-DDE               | ND         |           | 3.0 | 0.62 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 21:24 | 1       |
| <b>4,4'-DDT</b>        | <b>15</b>  |           | 3.0 | 0.69 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 21:24 | 1       |
| Aldrin                 | ND         |           | 3.0 | 0.73 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 21:24 | 1       |
| alpha-BHC              | ND         |           | 3.0 | 0.53 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 21:24 | 1       |
| beta-BHC               | ND         |           | 3.0 | 0.53 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 21:24 | 1       |
| cis-Chlordane          | ND         |           | 3.0 | 1.5  | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 21:24 | 1       |
| delta-BHC              | ND         |           | 3.0 | 0.55 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 21:24 | 1       |
| <b>Dieldrin</b>        | <b>2.0</b> | <b>J</b>  | 3.0 | 0.71 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 21:24 | 1       |
| Endosulfan I           | ND         |           | 3.0 | 0.57 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 21:24 | 1       |
| Endosulfan II          | ND         |           | 3.0 | 0.53 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 21:24 | 1       |
| Endosulfan sulfate     | ND         |           | 3.0 | 0.55 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 21:24 | 1       |
| Endrin                 | ND         |           | 3.0 | 0.59 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 21:24 | 1       |
| <b>Endrin aldehyde</b> | <b>1.6</b> | <b>J</b>  | 3.0 | 0.76 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 21:24 | 1       |
| Endrin ketone          | ND         |           | 3.0 | 0.73 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 21:24 | 1       |
| gamma-BHC (Lindane)    | ND         |           | 3.0 | 0.54 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 21:24 | 1       |
| Heptachlor             | ND         |           | 3.0 | 0.64 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 21:24 | 1       |
| Heptachlor epoxide     | ND         |           | 3.0 | 0.76 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 21:24 | 1       |
| <b>Methoxychlor</b>    | <b>4.6</b> |           | 3.0 | 0.60 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 21:24 | 1       |
| <b>Mirex</b>           | <b>2.4</b> | <b>J</b>  | 3.0 | 0.73 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 21:24 | 1       |
| Toxaphene              | ND         |           | 30  | 17   | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 21:24 | 1       |
| trans-Chlordane        | ND         |           | 3.0 | 0.94 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 21:24 | 1       |

Eurofins TestAmerica, Buffalo

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

Client Sample ID: SS-24-0002

Lab Sample ID: 480-186319-37

Date Collected: 06/21/21 13:35

Matrix: Solid

Date Received: 06/21/21 16:14

Percent Solids: 55.4

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| DCB Decachlorobiphenyl | 1965      | S1+       | 45 - 120 | 06/28/21 15:10 | 06/29/21 21:24 | 1       |
| DCB Decachlorobiphenyl | 1903      | S1+       | 45 - 120 | 06/28/21 15:10 | 06/29/21 21:24 | 1       |
| Tetrachloro-m-xylene   | 84        |           | 30 - 124 | 06/28/21 15:10 | 06/29/21 21:24 | 1       |
| Tetrachloro-m-xylene   | 71        |           | 30 - 124 | 06/28/21 15:10 | 06/29/21 21:24 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| PCB-1016 | ND     |           | 0.39 | 0.076 | mg/Kg | ☆ | 06/30/21 15:12 | 07/01/21 17:01 | 1       |
| PCB-1221 | ND     |           | 0.39 | 0.076 | mg/Kg | ☆ | 06/30/21 15:12 | 07/01/21 17:01 | 1       |
| PCB-1232 | ND     |           | 0.39 | 0.076 | mg/Kg | ☆ | 06/30/21 15:12 | 07/01/21 17:01 | 1       |
| PCB-1242 | ND     |           | 0.39 | 0.076 | mg/Kg | ☆ | 06/30/21 15:12 | 07/01/21 17:01 | 1       |
| PCB-1248 | ND     |           | 0.39 | 0.076 | mg/Kg | ☆ | 06/30/21 15:12 | 07/01/21 17:01 | 1       |
| PCB-1254 | ND     |           | 0.39 | 0.18  | mg/Kg | ☆ | 06/30/21 15:12 | 07/01/21 17:01 | 1       |
| PCB-1260 | ND     |           | 0.39 | 0.18  | mg/Kg | ☆ | 06/30/21 15:12 | 07/01/21 17:01 | 1       |
| PCB-1262 | ND     |           | 0.39 | 0.18  | mg/Kg | ☆ | 06/30/21 15:12 | 07/01/21 17:01 | 1       |
| PCB-1268 | ND     |           | 0.39 | 0.18  | mg/Kg | ☆ | 06/30/21 15:12 | 07/01/21 17:01 | 1       |

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| Tetrachloro-m-xylene   | 99        |           | 60 - 154 | 06/30/21 15:12 | 07/01/21 17:01 | 1       |
| Tetrachloro-m-xylene   | 102       |           | 60 - 154 | 06/30/21 15:12 | 07/01/21 17:01 | 1       |
| DCB Decachlorobiphenyl | 91        |           | 65 - 174 | 06/30/21 15:12 | 07/01/21 17:01 | 1       |
| DCB Decachlorobiphenyl | 81        |           | 65 - 174 | 06/30/21 15:12 | 07/01/21 17:01 | 1       |

## Method: 6010C - Metals (ICP)

| Analyte   | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| Aluminum  | 14700  |           | 18.8 | 8.3   | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:51 | 1       |
| Antimony  | ND     |           | 28.3 | 0.75  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:51 | 1       |
| Arsenic   | 4.9    |           | 3.8  | 0.75  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:51 | 1       |
| Barium    | 99.3   | ^6+       | 0.94 | 0.21  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:51 | 1       |
| Beryllium | 0.74   |           | 0.38 | 0.053 | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:51 | 1       |
| Cadmium   | 3.1    |           | 0.38 | 0.057 | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:51 | 1       |
| Calcium   | 23700  | B         | 94.2 | 6.2   | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:51 | 1       |
| Chromium  | 28.6   |           | 0.94 | 0.38  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:51 | 1       |
| Cobalt    | 8.7    |           | 0.94 | 0.094 | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:51 | 1       |
| Copper    | 81.9   |           | 1.9  | 0.40  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:51 | 1       |
| Iron      | 24600  | B ^+      | 18.8 | 6.6   | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:51 | 1       |
| Lead      | 241    |           | 1.9  | 0.45  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:51 | 1       |
| Magnesium | 11400  | B         | 37.7 | 1.7   | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:51 | 1       |
| Manganese | 252    | B         | 0.38 | 0.060 | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:51 | 1       |
| Nickel    | 29.6   |           | 9.4  | 0.43  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:51 | 1       |
| Potassium | 2740   |           | 56.5 | 37.7  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:51 | 1       |
| Selenium  | 2.4    | J         | 7.5  | 0.75  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:51 | 1       |
| Silver    | 1.2    |           | 1.1  | 0.38  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:51 | 1       |
| Sodium    | 182    | J         | 264  | 24.5  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:51 | 1       |
| Thallium  | ND     |           | 11.3 | 0.57  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:51 | 1       |
| Vanadium  | 33.7   |           | 0.94 | 0.21  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:51 | 1       |
| Zinc      | 226    |           | 3.8  | 1.2   | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:51 | 1       |

## Method: 7471B - Mercury (CVAA)

| Analyte | Result | Qualifier | RL    | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------|--------|-----------|-------|-------|-------|---|----------------|----------------|---------|
| Mercury | 0.36   |           | 0.090 | 0.021 | mg/Kg | ☆ | 07/01/21 13:35 | 07/01/21 15:38 | 1       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

Client Sample ID: SS-24-0212

Lab Sample ID: 480-186319-38

Date Collected: 06/21/21 13:30

Matrix: Solid

Date Received: 06/21/21 16:14

Percent Solids: 67.8

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

| Analyte                       | Result | Qualifier | RL    | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|--------|-----------|-------|-------|-------|---|----------------|----------------|---------|
| 2,4,5-Trichlorophenol         | ND     |           | 1200  | 330   | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 00:51 | 5       |
| 2,4,6-Trichlorophenol         | ND     |           | 1200  | 250   | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 00:51 | 5       |
| 2,4-Dichlorophenol            | ND     |           | 1200  | 130   | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 00:51 | 5       |
| 2,4-Dimethylphenol            | ND     |           | 1200  | 300   | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 00:51 | 5       |
| 2,4-Dinitrophenol             | ND     |           | 12000 | 5700  | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 00:51 | 5       |
| 2,4-Dinitrotoluene            | ND     |           | 1200  | 250   | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 00:51 | 5       |
| 2,6-Dinitrotoluene            | ND     |           | 1200  | 140   | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 00:51 | 5       |
| 2-Chloronaphthalene           | ND     |           | 1200  | 200   | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 00:51 | 5       |
| 2-Chlorophenol                | ND     |           | 2400  | 220   | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 00:51 | 5       |
| 2-Methylnaphthalene           | ND     |           | 1200  | 250   | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 00:51 | 5       |
| 2-Methylphenol                | ND     |           | 1200  | 140   | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 00:51 | 5       |
| 2-Nitroaniline                | ND     |           | 2400  | 180   | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 00:51 | 5       |
| 2-Nitrophenol                 | ND     |           | 1200  | 350   | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 00:51 | 5       |
| 3,3'-Dichlorobenzidine        | ND     |           | 2400  | 1400  | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 00:51 | 5       |
| 3-Nitroaniline                | ND     |           | 2400  | 340   | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 00:51 | 5       |
| 4,6-Dinitro-2-methylphenol    | ND     |           | 2400  | 1200  | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 00:51 | 5       |
| 4-Bromophenyl phenyl ether    | ND     |           | 1200  | 170   | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 00:51 | 5       |
| 4-Chloro-3-methylphenol       | ND     |           | 1200  | 300   | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 00:51 | 5       |
| 4-Chloroaniline               | ND     |           | 1200  | 300   | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 00:51 | 5       |
| 4-Chlorophenyl phenyl ether   | ND     |           | 1200  | 150   | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 00:51 | 5       |
| 4-Methylphenol                | ND     |           | 2400  | 140   | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 00:51 | 5       |
| 4-Nitroaniline                | ND     |           | 2400  | 640   | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 00:51 | 5       |
| 4-Nitrophenol                 | ND     |           | 2400  | 860   | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 00:51 | 5       |
| Acenaphthene                  | ND     |           | 1200  | 180   | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 00:51 | 5       |
| Acenaphthylene                | ND     |           | 1200  | 160   | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 00:51 | 5       |
| Acetophenone                  | ND     |           | 1200  | 170   | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 00:51 | 5       |
| Anthracene                    | ND     |           | 1200  | 300   | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 00:51 | 5       |
| Atrazine                      | ND     |           | 1200  | 430   | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 00:51 | 5       |
| Benzaldehyde                  | ND     |           | 1200  | 980   | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 00:51 | 5       |
| Benzo(a)anthracene            | ND     |           | 1200  | 120   | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 00:51 | 5       |
| Benzo(a)pyrene                | 500    | J         | 1200  | 180   | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 00:51 | 5       |
| Benzo(b)fluoranthene          | 990    | J         | 1200  | 200   | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 00:51 | 5       |
| Benzo(g,h,i)perylene          | 240    | J         | 1200  | 130   | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 00:51 | 5       |
| Benzo(k)fluoranthene          | ND     |           | 1200  | 160   | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 00:51 | 5       |
| Benzoic acid                  | ND     |           | 35000 | 11000 | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 00:51 | 5       |
| Biphenyl                      | ND     |           | 1200  | 180   | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 00:51 | 5       |
| bis (2-chloroisopropyl) ether | ND     |           | 1200  | 250   | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 00:51 | 5       |
| Bis(2-chloroethoxy)methane    | ND     |           | 1200  | 260   | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 00:51 | 5       |
| Bis(2-chloroethyl)ether       | ND     |           | 1200  | 160   | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 00:51 | 5       |
| Bis(2-ethylhexyl) phthalate   | ND     |           | 1200  | 420   | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 00:51 | 5       |
| Butyl benzyl phthalate        | ND     |           | 1200  | 200   | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 00:51 | 5       |
| Caprolactam                   | ND     |           | 1200  | 370   | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 00:51 | 5       |
| Carbazole                     | ND     |           | 1200  | 140   | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 00:51 | 5       |
| Chrysene                      | 420    | J         | 1200  | 270   | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 00:51 | 5       |
| Dibenz(a,h)anthracene         | ND     |           | 1200  | 220   | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 00:51 | 5       |
| Dibenzofuran                  | ND     |           | 1200  | 140   | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 00:51 | 5       |
| Diethyl phthalate             | ND     |           | 1200  | 160   | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 00:51 | 5       |
| Dimethyl phthalate            | ND     |           | 1200  | 140   | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 00:51 | 5       |
| Di-n-butyl phthalate          | ND     |           | 1200  | 210   | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 00:51 | 5       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

Client Sample ID: SS-24-0212

Lab Sample ID: 480-186319-38

Date Collected: 06/21/21 13:30

Matrix: Solid

Date Received: 06/21/21 16:14

Percent Solids: 67.8

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

| Analyte                       | Result     | Qualifier | RL   | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|------------|-----------|------|------|-------|---|----------------|----------------|---------|
| Di-n-octyl phthalate          | ND         |           | 1200 | 140  | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 00:51 | 5       |
| <b>Fluoranthene</b>           | <b>530</b> | <b>J</b>  | 1200 | 130  | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 00:51 | 5       |
| Fluorene                      | ND         |           | 1200 | 140  | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 00:51 | 5       |
| Hexachlorobenzene             | ND         |           | 1200 | 170  | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 00:51 | 5       |
| Hexachlorobutadiene           | ND         |           | 1200 | 180  | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 00:51 | 5       |
| Hexachlorocyclopentadiene     | ND         |           | 1200 | 170  | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 00:51 | 5       |
| Hexachloroethane              | ND         |           | 1200 | 160  | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 00:51 | 5       |
| <b>Indeno(1,2,3-cd)pyrene</b> | <b>280</b> | <b>J</b>  | 1200 | 150  | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 00:51 | 5       |
| Isophorone                    | ND         |           | 1200 | 260  | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 00:51 | 5       |
| Naphthalene                   | ND         |           | 1200 | 160  | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 00:51 | 5       |
| Nitrobenzene                  | ND         |           | 1200 | 140  | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 00:51 | 5       |
| N-Nitrosodi-n-propylamine     | ND         |           | 1200 | 210  | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 00:51 | 5       |
| N-Nitrosodiphenylamine        | ND         |           | 1200 | 1000 | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 00:51 | 5       |
| Pentachlorophenol             | ND         |           | 2400 | 1200 | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 00:51 | 5       |
| <b>Phenanthrene</b>           | <b>200</b> | <b>J</b>  | 1200 | 180  | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 00:51 | 5       |
| Phenol                        | ND         |           | 1200 | 190  | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 00:51 | 5       |
| <b>Pyrene</b>                 | <b>570</b> | <b>J</b>  | 1200 | 140  | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 00:51 | 5       |

| Surrogate            | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 2,4,6-Tribromophenol | 77        |           | 54 - 120 | 06/29/21 15:10 | 07/02/21 00:51 | 5       |
| 2-Fluorobiphenyl     | 60        |           | 60 - 120 | 06/29/21 15:10 | 07/02/21 00:51 | 5       |
| 2-Fluorophenol       | 55        |           | 52 - 120 | 06/29/21 15:10 | 07/02/21 00:51 | 5       |
| Nitrobenzene-d5      | 59        |           | 53 - 120 | 06/29/21 15:10 | 07/02/21 00:51 | 5       |
| p-Terphenyl-d14      | 78        | S1-       | 79 - 130 | 06/29/21 15:10 | 07/02/21 00:51 | 5       |
| Phenol-d5            | 58        |           | 54 - 120 | 06/29/21 15:10 | 07/02/21 00:51 | 5       |

## Method: 8081B - Organochlorine Pesticides (GC)

| Analyte             | Result | Qualifier | RL   | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|--------|-----------|------|-----|-------|---|----------------|----------------|---------|
| 4,4'-DDD            | ND     |           | 120  | 23  | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 21:44 | 50      |
| 4,4'-DDE            | ND     |           | 120  | 25  | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 21:44 | 50      |
| 4,4'-DDT            | ND     |           | 120  | 28  | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 21:44 | 50      |
| Aldrin              | ND     |           | 120  | 30  | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 21:44 | 50      |
| alpha-BHC           | ND     |           | 120  | 22  | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 21:44 | 50      |
| beta-BHC            | ND     |           | 120  | 22  | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 21:44 | 50      |
| cis-Chlordane       | ND     |           | 120  | 60  | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 21:44 | 50      |
| delta-BHC           | ND     |           | 120  | 22  | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 21:44 | 50      |
| Dieldrin            | ND     |           | 120  | 29  | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 21:44 | 50      |
| Endosulfan I        | ND     |           | 120  | 23  | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 21:44 | 50      |
| Endosulfan II       | ND     |           | 120  | 22  | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 21:44 | 50      |
| Endosulfan sulfate  | ND     |           | 120  | 22  | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 21:44 | 50      |
| Endrin              | ND     |           | 120  | 24  | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 21:44 | 50      |
| Endrin aldehyde     | ND     |           | 120  | 31  | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 21:44 | 50      |
| Endrin ketone       | ND     |           | 120  | 30  | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 21:44 | 50      |
| gamma-BHC (Lindane) | ND     |           | 120  | 22  | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 21:44 | 50      |
| Heptachlor          | ND     |           | 120  | 26  | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 21:44 | 50      |
| Heptachlor epoxide  | ND     |           | 120  | 31  | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 21:44 | 50      |
| Methoxychlor        | ND     |           | 120  | 25  | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 21:44 | 50      |
| Mirex               | ND     |           | 120  | 29  | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 21:44 | 50      |
| Toxaphene           | ND     |           | 1200 | 700 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 21:44 | 50      |
| trans-Chlordane     | ND     |           | 120  | 38  | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 21:44 | 50      |

Eurofins TestAmerica, Buffalo

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

Client Sample ID: SS-24-0212

Lab Sample ID: 480-186319-38

Date Collected: 06/21/21 13:30

Matrix: Solid

Date Received: 06/21/21 16:14

Percent Solids: 67.8

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| DCB Decachlorobiphenyl | 0         | S1-       | 45 - 120 | 06/28/21 15:10 | 06/29/21 21:44 | 50      |
| DCB Decachlorobiphenyl | 0         | S1-       | 45 - 120 | 06/28/21 15:10 | 06/29/21 21:44 | 50      |
| Tetrachloro-m-xylene   | 0         | S1-       | 30 - 124 | 06/28/21 15:10 | 06/29/21 21:44 | 50      |
| Tetrachloro-m-xylene   | 0         | S1-       | 30 - 124 | 06/28/21 15:10 | 06/29/21 21:44 | 50      |

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

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| PCB-1016 | ND     |           | 0.34 | 0.067 | mg/Kg | ☆ | 06/30/21 15:12 | 07/01/21 17:40 | 1       |
| PCB-1221 | ND     |           | 0.34 | 0.067 | mg/Kg | ☆ | 06/30/21 15:12 | 07/01/21 17:40 | 1       |
| PCB-1232 | ND     |           | 0.34 | 0.067 | mg/Kg | ☆ | 06/30/21 15:12 | 07/01/21 17:40 | 1       |
| PCB-1242 | ND     |           | 0.34 | 0.067 | mg/Kg | ☆ | 06/30/21 15:12 | 07/01/21 17:40 | 1       |
| PCB-1248 | ND     |           | 0.34 | 0.067 | mg/Kg | ☆ | 06/30/21 15:12 | 07/01/21 17:40 | 1       |
| PCB-1254 | 0.17   | J         | 0.34 | 0.16  | mg/Kg | ☆ | 06/30/21 15:12 | 07/01/21 17:40 | 1       |
| PCB-1260 | ND     |           | 0.34 | 0.16  | mg/Kg | ☆ | 06/30/21 15:12 | 07/01/21 17:40 | 1       |
| PCB-1262 | ND     |           | 0.34 | 0.16  | mg/Kg | ☆ | 06/30/21 15:12 | 07/01/21 17:40 | 1       |
| PCB-1268 | ND     |           | 0.34 | 0.16  | mg/Kg | ☆ | 06/30/21 15:12 | 07/01/21 17:40 | 1       |

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| Tetrachloro-m-xylene   | 110       |           | 60 - 154 | 06/30/21 15:12 | 07/01/21 17:40 | 1       |
| Tetrachloro-m-xylene   | 114       |           | 60 - 154 | 06/30/21 15:12 | 07/01/21 17:40 | 1       |
| DCB Decachlorobiphenyl | 99        |           | 65 - 174 | 06/30/21 15:12 | 07/01/21 17:40 | 1       |
| DCB Decachlorobiphenyl | 103       |           | 65 - 174 | 06/30/21 15:12 | 07/01/21 17:40 | 1       |

## Method: 6010C - Metals (ICP)

| Analyte   | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| Aluminum  | 12800  |           | 14.5 | 6.4   | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:55 | 1       |
| Antimony  | ND     |           | 21.8 | 0.58  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:55 | 1       |
| Arsenic   | 4.2    |           | 2.9  | 0.58  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:55 | 1       |
| Barium    | 83.9   | ^6+       | 0.73 | 0.16  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:55 | 1       |
| Beryllium | 0.61   |           | 0.29 | 0.041 | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:55 | 1       |
| Cadmium   | 3.1    |           | 0.29 | 0.044 | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:55 | 1       |
| Calcium   | 15000  | B         | 72.6 | 4.8   | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:55 | 1       |
| Chromium  | 25.7   |           | 0.73 | 0.29  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:55 | 1       |
| Cobalt    | 7.5    |           | 0.73 | 0.073 | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:55 | 1       |
| Copper    | 81.8   |           | 1.5  | 0.31  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:55 | 1       |
| Iron      | 20400  | B ^+      | 14.5 | 5.1   | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:55 | 1       |
| Lead      | 75.0   |           | 1.5  | 0.35  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:55 | 1       |
| Magnesium | 7820   | B         | 29.1 | 1.3   | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:55 | 1       |
| Manganese | 180    | B         | 0.29 | 0.046 | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:55 | 1       |
| Nickel    | 29.0   |           | 7.3  | 0.33  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:55 | 1       |
| Potassium | 2370   |           | 43.6 | 29.1  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:55 | 1       |
| Selenium  | 2.4    | J         | 5.8  | 0.58  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:55 | 1       |
| Silver    | 1.5    |           | 0.87 | 0.29  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:55 | 1       |
| Sodium    | 150    | J         | 203  | 18.9  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:55 | 1       |
| Thallium  | ND     |           | 8.7  | 0.44  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:55 | 1       |
| Vanadium  | 28.9   |           | 0.73 | 0.16  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:55 | 1       |
| Zinc      | 224    |           | 2.9  | 0.93  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:55 | 1       |

## Method: 7471B - Mercury (CVAA)

| Analyte | Result | Qualifier | RL    | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------|--------|-----------|-------|-------|-------|---|----------------|----------------|---------|
| Mercury | 0.42   |           | 0.075 | 0.017 | mg/Kg | ☆ | 07/01/21 13:35 | 07/01/21 15:39 | 1       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

Client Sample ID: SS-25-0002

Lab Sample ID: 480-186319-39

Date Collected: 06/21/21 13:15

Matrix: Solid

Date Received: 06/21/21 16:14

Percent Solids: 60.9

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

| Analyte                       | Result | Qualifier | RL    | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|--------|-----------|-------|-------|-------|---|----------------|----------------|---------|
| 2,4,5-Trichlorophenol         | ND     |           | 1400  | 370   | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 01:15 | 5       |
| 2,4,6-Trichlorophenol         | ND     |           | 1400  | 270   | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 01:15 | 5       |
| 2,4-Dichlorophenol            | ND     |           | 1400  | 140   | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 01:15 | 5       |
| 2,4-Dimethylphenol            | ND     |           | 1400  | 330   | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 01:15 | 5       |
| 2,4-Dinitrophenol             | ND     |           | 13000 | 6300  | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 01:15 | 5       |
| 2,4-Dinitrotoluene            | ND     |           | 1400  | 280   | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 01:15 | 5       |
| 2,6-Dinitrotoluene            | ND     |           | 1400  | 160   | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 01:15 | 5       |
| 2-Chloronaphthalene           | ND     |           | 1400  | 220   | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 01:15 | 5       |
| 2-Chlorophenol                | ND     |           | 2600  | 250   | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 01:15 | 5       |
| 2-Methylnaphthalene           | ND     |           | 1400  | 270   | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 01:15 | 5       |
| 2-Methylphenol                | ND     |           | 1400  | 160   | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 01:15 | 5       |
| 2-Nitroaniline                | ND     |           | 2600  | 200   | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 01:15 | 5       |
| 2-Nitrophenol                 | ND     |           | 1400  | 390   | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 01:15 | 5       |
| 3,3'-Dichlorobenzidine        | ND     |           | 2600  | 1600  | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 01:15 | 5       |
| 3-Nitroaniline                | ND     |           | 2600  | 380   | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 01:15 | 5       |
| 4,6-Dinitro-2-methylphenol    | ND     |           | 2600  | 1400  | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 01:15 | 5       |
| 4-Bromophenyl phenyl ether    | ND     |           | 1400  | 190   | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 01:15 | 5       |
| 4-Chloro-3-methylphenol       | ND     |           | 1400  | 340   | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 01:15 | 5       |
| 4-Chloroaniline               | ND     |           | 1400  | 340   | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 01:15 | 5       |
| 4-Chlorophenyl phenyl ether   | ND     |           | 1400  | 170   | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 01:15 | 5       |
| 4-Methylphenol                | ND     |           | 2600  | 160   | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 01:15 | 5       |
| 4-Nitroaniline                | ND     |           | 2600  | 710   | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 01:15 | 5       |
| 4-Nitrophenol                 | ND     |           | 2600  | 950   | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 01:15 | 5       |
| Acenaphthene                  | ND     |           | 1400  | 200   | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 01:15 | 5       |
| Acenaphthylene                | ND     |           | 1400  | 180   | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 01:15 | 5       |
| Acetophenone                  | ND     |           | 1400  | 180   | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 01:15 | 5       |
| Anthracene                    | ND     |           | 1400  | 340   | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 01:15 | 5       |
| Atrazine                      | ND     |           | 1400  | 470   | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 01:15 | 5       |
| Benzaldehyde                  | ND     |           | 1400  | 1100  | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 01:15 | 5       |
| Benzo(a)anthracene            | 660    | J         | 1400  | 140   | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 01:15 | 5       |
| Benzo(a)pyrene                | 550    | J         | 1400  | 200   | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 01:15 | 5       |
| Benzo(b)fluoranthene          | 790    | J         | 1400  | 220   | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 01:15 | 5       |
| Benzo(g,h,i)perylene          | 240    | J         | 1400  | 140   | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 01:15 | 5       |
| Benzo(k)fluoranthene          | 300    | J         | 1400  | 180   | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 01:15 | 5       |
| Benzoic acid                  | ND     |           | 39000 | 12000 | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 01:15 | 5       |
| Biphenyl                      | ND     |           | 1400  | 200   | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 01:15 | 5       |
| bis (2-chloroisopropyl) ether | ND     |           | 1400  | 270   | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 01:15 | 5       |
| Bis(2-chloroethoxy)methane    | ND     |           | 1400  | 290   | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 01:15 | 5       |
| Bis(2-chloroethyl)ether       | ND     |           | 1400  | 180   | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 01:15 | 5       |
| Bis(2-ethylhexyl) phthalate   | ND     |           | 1400  | 470   | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 01:15 | 5       |
| Butyl benzyl phthalate        | ND     |           | 1400  | 220   | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 01:15 | 5       |
| Caprolactam                   | ND     |           | 1400  | 410   | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 01:15 | 5       |
| Carbazole                     | ND     |           | 1400  | 160   | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 01:15 | 5       |
| Chrysene                      | 640    | J         | 1400  | 300   | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 01:15 | 5       |
| Dibenz(a,h)anthracene         | ND     |           | 1400  | 240   | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 01:15 | 5       |
| Dibenzofuran                  | ND     |           | 1400  | 160   | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 01:15 | 5       |
| Diethyl phthalate             | ND     |           | 1400  | 180   | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 01:15 | 5       |
| Dimethyl phthalate            | ND     |           | 1400  | 160   | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 01:15 | 5       |
| Di-n-butyl phthalate          | ND     |           | 1400  | 230   | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 01:15 | 5       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

Client Sample ID: SS-25-0002

Lab Sample ID: 480-186319-39

Date Collected: 06/21/21 13:15

Matrix: Solid

Date Received: 06/21/21 16:14

Percent Solids: 60.9

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

| Analyte                       | Result      | Qualifier | RL   | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|-------------|-----------|------|------|-------|---|----------------|----------------|---------|
| Di-n-octyl phthalate          | ND          |           | 1400 | 160  | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 01:15 | 5       |
| <b>Fluoranthene</b>           | <b>1300</b> | <b>J</b>  | 1400 | 140  | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 01:15 | 5       |
| Fluorene                      | ND          |           | 1400 | 160  | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 01:15 | 5       |
| Hexachlorobenzene             | ND          |           | 1400 | 180  | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 01:15 | 5       |
| Hexachlorobutadiene           | ND          |           | 1400 | 200  | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 01:15 | 5       |
| Hexachlorocyclopentadiene     | ND          |           | 1400 | 180  | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 01:15 | 5       |
| Hexachloroethane              | ND          |           | 1400 | 180  | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 01:15 | 5       |
| <b>Indeno(1,2,3-cd)pyrene</b> | <b>320</b>  | <b>J</b>  | 1400 | 170  | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 01:15 | 5       |
| Isophorone                    | ND          |           | 1400 | 290  | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 01:15 | 5       |
| Naphthalene                   | ND          |           | 1400 | 180  | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 01:15 | 5       |
| Nitrobenzene                  | ND          |           | 1400 | 150  | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 01:15 | 5       |
| N-Nitrosodi-n-propylamine     | ND          |           | 1400 | 230  | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 01:15 | 5       |
| N-Nitrosodiphenylamine        | ND          |           | 1400 | 1100 | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 01:15 | 5       |
| Pentachlorophenol             | ND          |           | 2600 | 1400 | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 01:15 | 5       |
| <b>Phenanthrene</b>           | <b>570</b>  | <b>J</b>  | 1400 | 200  | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 01:15 | 5       |
| Phenol                        | ND          |           | 1400 | 210  | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 01:15 | 5       |
| <b>Pyrene</b>                 | <b>920</b>  | <b>J</b>  | 1400 | 160  | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 01:15 | 5       |

| Surrogate            | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 2,4,6-Tribromophenol | 94        |           | 54 - 120 | 06/29/21 15:10 | 07/02/21 01:15 | 5       |
| 2-Fluorobiphenyl     | 77        |           | 60 - 120 | 06/29/21 15:10 | 07/02/21 01:15 | 5       |
| 2-Fluorophenol       | 71        |           | 52 - 120 | 06/29/21 15:10 | 07/02/21 01:15 | 5       |
| Nitrobenzene-d5      | 72        |           | 53 - 120 | 06/29/21 15:10 | 07/02/21 01:15 | 5       |
| p-Terphenyl-d14      | 96        |           | 79 - 130 | 06/29/21 15:10 | 07/02/21 01:15 | 5       |
| Phenol-d5            | 72        |           | 54 - 120 | 06/29/21 15:10 | 07/02/21 01:15 | 5       |

## Method: 8081B - Organochlorine Pesticides (GC)

| Analyte             | Result     | Qualifier | RL  | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|------------|-----------|-----|-----|-------|---|----------------|----------------|---------|
| 4,4'-DDD            | ND         |           | 13  | 2.6 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 22:04 | 5       |
| 4,4'-DDE            | ND         |           | 13  | 2.8 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 22:04 | 5       |
| <b>4,4'-DDT</b>     | <b>9.0</b> | <b>J</b>  | 13  | 3.1 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 22:04 | 5       |
| Aldrin              | ND         |           | 13  | 3.3 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 22:04 | 5       |
| alpha-BHC           | ND         |           | 13  | 2.4 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 22:04 | 5       |
| beta-BHC            | ND         |           | 13  | 2.4 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 22:04 | 5       |
| cis-Chlordane       | ND         |           | 13  | 6.7 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 22:04 | 5       |
| delta-BHC           | ND         |           | 13  | 2.5 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 22:04 | 5       |
| Dieldrin            | ND         |           | 13  | 3.2 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 22:04 | 5       |
| Endosulfan I        | ND         |           | 13  | 2.6 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 22:04 | 5       |
| Endosulfan II       | ND         |           | 13  | 2.4 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 22:04 | 5       |
| Endosulfan sulfate  | ND         |           | 13  | 2.5 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 22:04 | 5       |
| Endrin              | ND         |           | 13  | 2.7 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 22:04 | 5       |
| Endrin aldehyde     | ND         |           | 13  | 3.4 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 22:04 | 5       |
| Endrin ketone       | ND         |           | 13  | 3.3 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 22:04 | 5       |
| gamma-BHC (Lindane) | ND         |           | 13  | 2.5 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 22:04 | 5       |
| Heptachlor          | ND         |           | 13  | 2.9 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 22:04 | 5       |
| Heptachlor epoxide  | ND         |           | 13  | 3.5 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 22:04 | 5       |
| Methoxychlor        | ND         |           | 13  | 2.7 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 22:04 | 5       |
| Mirex               | ND         |           | 13  | 3.3 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 22:04 | 5       |
| Toxaphene           | ND         |           | 130 | 78  | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 22:04 | 5       |
| trans-Chlordane     | ND         |           | 13  | 4.3 | ug/Kg | ✱ | 06/28/21 15:10 | 06/29/21 22:04 | 5       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

Client Sample ID: SS-25-0002

Lab Sample ID: 480-186319-39

Date Collected: 06/21/21 13:15

Matrix: Solid

Date Received: 06/21/21 16:14

Percent Solids: 60.9

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| DCB Decachlorobiphenyl | 85        |           | 45 - 120 | 06/28/21 15:10 | 06/29/21 22:04 | 5       |
| DCB Decachlorobiphenyl | 158       | S1+       | 45 - 120 | 06/28/21 15:10 | 06/29/21 22:04 | 5       |
| Tetrachloro-m-xylene   | 60        |           | 30 - 124 | 06/28/21 15:10 | 06/29/21 22:04 | 5       |
| Tetrachloro-m-xylene   | 50        |           | 30 - 124 | 06/28/21 15:10 | 06/29/21 22:04 | 5       |

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

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| PCB-1016 | ND     |           | 0.39 | 0.076 | mg/Kg | ☆ | 06/30/21 15:12 | 07/01/21 17:53 | 1       |
| PCB-1221 | ND     |           | 0.39 | 0.076 | mg/Kg | ☆ | 06/30/21 15:12 | 07/01/21 17:53 | 1       |
| PCB-1232 | ND     |           | 0.39 | 0.076 | mg/Kg | ☆ | 06/30/21 15:12 | 07/01/21 17:53 | 1       |
| PCB-1242 | ND     |           | 0.39 | 0.076 | mg/Kg | ☆ | 06/30/21 15:12 | 07/01/21 17:53 | 1       |
| PCB-1248 | ND     |           | 0.39 | 0.076 | mg/Kg | ☆ | 06/30/21 15:12 | 07/01/21 17:53 | 1       |
| PCB-1254 | ND     |           | 0.39 | 0.18  | mg/Kg | ☆ | 06/30/21 15:12 | 07/01/21 17:53 | 1       |
| PCB-1260 | ND     |           | 0.39 | 0.18  | mg/Kg | ☆ | 06/30/21 15:12 | 07/01/21 17:53 | 1       |
| PCB-1262 | ND     |           | 0.39 | 0.18  | mg/Kg | ☆ | 06/30/21 15:12 | 07/01/21 17:53 | 1       |
| PCB-1268 | ND     |           | 0.39 | 0.18  | mg/Kg | ☆ | 06/30/21 15:12 | 07/01/21 17:53 | 1       |

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| Tetrachloro-m-xylene   | 121       |           | 60 - 154 | 06/30/21 15:12 | 07/01/21 17:53 | 1       |
| Tetrachloro-m-xylene   | 129       |           | 60 - 154 | 06/30/21 15:12 | 07/01/21 17:53 | 1       |
| DCB Decachlorobiphenyl | 124       |           | 65 - 174 | 06/30/21 15:12 | 07/01/21 17:53 | 1       |
| DCB Decachlorobiphenyl | 114       |           | 65 - 174 | 06/30/21 15:12 | 07/01/21 17:53 | 1       |

## Method: 6010C - Metals (ICP)

| Analyte   | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| Aluminum  | 16700  |           | 16.6 | 7.3   | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:59 | 1       |
| Antimony  | ND     |           | 24.8 | 0.66  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:59 | 1       |
| Arsenic   | 5.0    |           | 3.3  | 0.66  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:59 | 1       |
| Barium    | 104    | ^6+       | 0.83 | 0.18  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:59 | 1       |
| Beryllium | 0.81   |           | 0.33 | 0.046 | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:59 | 1       |
| Cadmium   | 1.6    |           | 0.33 | 0.050 | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:59 | 1       |
| Calcium   | 20400  | B         | 82.8 | 5.5   | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:59 | 1       |
| Chromium  | 26.9   |           | 0.83 | 0.33  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:59 | 1       |
| Cobalt    | 8.3    |           | 0.83 | 0.083 | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:59 | 1       |
| Copper    | 66.1   |           | 1.7  | 0.35  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:59 | 1       |
| Iron      | 21100  | B ^+      | 16.6 | 5.8   | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:59 | 1       |
| Lead      | 77.2   |           | 1.7  | 0.40  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:59 | 1       |
| Magnesium | 9460   | B         | 33.1 | 1.5   | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:59 | 1       |
| Manganese | 284    | B         | 0.33 | 0.053 | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:59 | 1       |
| Nickel    | 29.5   |           | 8.3  | 0.38  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:59 | 1       |
| Potassium | 3080   |           | 49.7 | 33.1  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:59 | 1       |
| Selenium  | 1.8    | J         | 6.6  | 0.66  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:59 | 1       |
| Silver    | 1.6    |           | 0.99 | 0.33  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:59 | 1       |
| Sodium    | 176    | J         | 232  | 21.5  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:59 | 1       |
| Thallium  | ND     |           | 9.9  | 0.50  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:59 | 1       |
| Vanadium  | 31.9   |           | 0.83 | 0.18  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:59 | 1       |
| Zinc      | 208    |           | 3.3  | 1.1   | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 15:59 | 1       |

## Method: 7471B - Mercury (CVAA)

| Analyte | Result | Qualifier | RL    | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------|--------|-----------|-------|-------|-------|---|----------------|----------------|---------|
| Mercury | 0.33   |           | 0.091 | 0.021 | mg/Kg | ☆ | 07/01/21 13:35 | 07/01/21 15:41 | 1       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

Client Sample ID: SS-25-0212

Lab Sample ID: 480-186319-40

Date Collected: 06/21/21 13:20

Matrix: Solid

Date Received: 06/21/21 16:14

Percent Solids: 76.4

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

| Analyte                       | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|--------|-----------|------|------|-------|---|----------------|----------------|---------|
| 2,4,5-Trichlorophenol         | ND     |           | 220  | 59   | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 01:39 | 1       |
| 2,4,6-Trichlorophenol         | ND     |           | 220  | 44   | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 01:39 | 1       |
| 2,4-Dichlorophenol            | ND     |           | 220  | 23   | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 01:39 | 1       |
| 2,4-Dimethylphenol            | ND     |           | 220  | 53   | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 01:39 | 1       |
| 2,4-Dinitrophenol             | ND     |           | 2100 | 1000 | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 01:39 | 1       |
| 2,4-Dinitrotoluene            | ND     |           | 220  | 45   | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 01:39 | 1       |
| 2,6-Dinitrotoluene            | ND     |           | 220  | 26   | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 01:39 | 1       |
| 2-Chloronaphthalene           | ND     |           | 220  | 36   | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 01:39 | 1       |
| 2-Chlorophenol                | ND     |           | 430  | 40   | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 01:39 | 1       |
| 2-Methylnaphthalene           | ND     |           | 220  | 44   | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 01:39 | 1       |
| 2-Methylphenol                | ND     |           | 220  | 26   | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 01:39 | 1       |
| 2-Nitroaniline                | ND     |           | 430  | 32   | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 01:39 | 1       |
| 2-Nitrophenol                 | ND     |           | 220  | 62   | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 01:39 | 1       |
| 3,3'-Dichlorobenzidine        | ND     |           | 430  | 260  | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 01:39 | 1       |
| 3-Nitroaniline                | ND     |           | 430  | 61   | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 01:39 | 1       |
| 4,6-Dinitro-2-methylphenol    | ND     |           | 430  | 220  | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 01:39 | 1       |
| 4-Bromophenyl phenyl ether    | ND     |           | 220  | 31   | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 01:39 | 1       |
| 4-Chloro-3-methylphenol       | ND     |           | 220  | 54   | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 01:39 | 1       |
| 4-Chloroaniline               | ND     |           | 220  | 54   | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 01:39 | 1       |
| 4-Chlorophenyl phenyl ether   | ND     |           | 220  | 27   | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 01:39 | 1       |
| 4-Methylphenol                | ND     |           | 430  | 26   | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 01:39 | 1       |
| 4-Nitroaniline                | ND     |           | 430  | 110  | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 01:39 | 1       |
| 4-Nitrophenol                 | ND     |           | 430  | 150  | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 01:39 | 1       |
| Acenaphthene                  | ND     |           | 220  | 32   | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 01:39 | 1       |
| Acenaphthylene                | 70     | J         | 220  | 28   | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 01:39 | 1       |
| Acetophenone                  | ND     |           | 220  | 30   | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 01:39 | 1       |
| Anthracene                    | 110    | J         | 220  | 54   | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 01:39 | 1       |
| Atrazine                      | ND     |           | 220  | 76   | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 01:39 | 1       |
| Benzaldehyde                  | ND     |           | 220  | 170  | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 01:39 | 1       |
| Benzo(a)anthracene            | 480    |           | 220  | 22   | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 01:39 | 1       |
| Benzo(a)pyrene                | 380    |           | 220  | 32   | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 01:39 | 1       |
| Benzo(b)fluoranthene          | 510    |           | 220  | 35   | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 01:39 | 1       |
| Benzo(g,h,i)perylene          | 160    | J         | 220  | 23   | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 01:39 | 1       |
| Benzo(k)fluoranthene          | 210    | J         | 220  | 28   | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 01:39 | 1       |
| Benzoic acid                  | ND     |           | 6200 | 1900 | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 01:39 | 1       |
| Biphenyl                      | ND     |           | 220  | 32   | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 01:39 | 1       |
| bis (2-chloroisopropyl) ether | ND     |           | 220  | 44   | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 01:39 | 1       |
| Bis(2-chloroethoxy)methane    | ND     |           | 220  | 46   | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 01:39 | 1       |
| Bis(2-chloroethyl)ether       | ND     |           | 220  | 28   | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 01:39 | 1       |
| Bis(2-ethylhexyl) phthalate   | ND     |           | 220  | 75   | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 01:39 | 1       |
| Butyl benzyl phthalate        | ND     |           | 220  | 36   | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 01:39 | 1       |
| Caprolactam                   | ND     |           | 220  | 66   | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 01:39 | 1       |
| Carbazole                     | 45     | J         | 220  | 26   | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 01:39 | 1       |
| Chrysene                      | 460    |           | 220  | 49   | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 01:39 | 1       |
| Dibenz(a,h)anthracene         | 83     | J         | 220  | 39   | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 01:39 | 1       |
| Dibenzofuran                  | ND     |           | 220  | 26   | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 01:39 | 1       |
| Diethyl phthalate             | ND     |           | 220  | 28   | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 01:39 | 1       |
| Dimethyl phthalate            | ND     |           | 220  | 26   | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 01:39 | 1       |
| Di-n-butyl phthalate          | 46     | J B       | 220  | 37   | ug/Kg | ✱ | 06/29/21 15:10 | 07/02/21 01:39 | 1       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

Client Sample ID: SS-25-0212

Lab Sample ID: 480-186319-40

Date Collected: 06/21/21 13:20

Matrix: Solid

Date Received: 06/21/21 16:14

Percent Solids: 76.4

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

| Analyte                   | Result | Qualifier | RL  | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------------|--------|-----------|-----|-----|-------|---|----------------|----------------|---------|
| Di-n-octyl phthalate      | ND     |           | 220 | 26  | ug/Kg | ☆ | 06/29/21 15:10 | 07/02/21 01:39 | 1       |
| Fluoranthene              | 980    |           | 220 | 23  | ug/Kg | ☆ | 06/29/21 15:10 | 07/02/21 01:39 | 1       |
| Fluorene                  | 56     | J         | 220 | 26  | ug/Kg | ☆ | 06/29/21 15:10 | 07/02/21 01:39 | 1       |
| Hexachlorobenzene         | ND     |           | 220 | 30  | ug/Kg | ☆ | 06/29/21 15:10 | 07/02/21 01:39 | 1       |
| Hexachlorobutadiene       | ND     |           | 220 | 32  | ug/Kg | ☆ | 06/29/21 15:10 | 07/02/21 01:39 | 1       |
| Hexachlorocyclopentadiene | ND     |           | 220 | 30  | ug/Kg | ☆ | 06/29/21 15:10 | 07/02/21 01:39 | 1       |
| Hexachloroethane          | ND     |           | 220 | 28  | ug/Kg | ☆ | 06/29/21 15:10 | 07/02/21 01:39 | 1       |
| Indeno(1,2,3-cd)pyrene    | 180    | J         | 220 | 27  | ug/Kg | ☆ | 06/29/21 15:10 | 07/02/21 01:39 | 1       |
| Isophorone                | ND     |           | 220 | 46  | ug/Kg | ☆ | 06/29/21 15:10 | 07/02/21 01:39 | 1       |
| Naphthalene               | ND     |           | 220 | 28  | ug/Kg | ☆ | 06/29/21 15:10 | 07/02/21 01:39 | 1       |
| Nitrobenzene              | ND     |           | 220 | 25  | ug/Kg | ☆ | 06/29/21 15:10 | 07/02/21 01:39 | 1       |
| N-Nitrosodi-n-propylamine | ND     |           | 220 | 37  | ug/Kg | ☆ | 06/29/21 15:10 | 07/02/21 01:39 | 1       |
| N-Nitrosodiphenylamine    | ND     |           | 220 | 180 | ug/Kg | ☆ | 06/29/21 15:10 | 07/02/21 01:39 | 1       |
| Pentachlorophenol         | ND     |           | 430 | 220 | ug/Kg | ☆ | 06/29/21 15:10 | 07/02/21 01:39 | 1       |
| Phenanthrene              | 500    |           | 220 | 32  | ug/Kg | ☆ | 06/29/21 15:10 | 07/02/21 01:39 | 1       |
| Phenol                    | ND     |           | 220 | 34  | ug/Kg | ☆ | 06/29/21 15:10 | 07/02/21 01:39 | 1       |
| Pyrene                    | 720    |           | 220 | 26  | ug/Kg | ☆ | 06/29/21 15:10 | 07/02/21 01:39 | 1       |

| Surrogate            | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 2,4,6-Tribromophenol | 86        |           | 54 - 120 | 06/29/21 15:10 | 07/02/21 01:39 | 1       |
| 2-Fluorobiphenyl     | 73        |           | 60 - 120 | 06/29/21 15:10 | 07/02/21 01:39 | 1       |
| 2-Fluorophenol       | 65        |           | 52 - 120 | 06/29/21 15:10 | 07/02/21 01:39 | 1       |
| Nitrobenzene-d5      | 68        |           | 53 - 120 | 06/29/21 15:10 | 07/02/21 01:39 | 1       |
| p-Terphenyl-d14      | 85        |           | 79 - 130 | 06/29/21 15:10 | 07/02/21 01:39 | 1       |
| Phenol-d5            | 71        |           | 54 - 120 | 06/29/21 15:10 | 07/02/21 01:39 | 1       |

## Method: 8081B - Organochlorine Pesticides (GC)

| Analyte             | Result | Qualifier | RL  | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|--------|-----------|-----|-----|-------|---|----------------|----------------|---------|
| 4,4'-DDD            | ND     |           | 11  | 2.1 | ug/Kg | ☆ | 06/28/21 15:10 | 06/29/21 22:23 | 5       |
| 4,4'-DDE            | ND     |           | 11  | 2.2 | ug/Kg | ☆ | 06/28/21 15:10 | 06/29/21 22:23 | 5       |
| 4,4'-DDT            | 9.2    | J         | 11  | 2.5 | ug/Kg | ☆ | 06/28/21 15:10 | 06/29/21 22:23 | 5       |
| Aldrin              | ND     |           | 11  | 2.6 | ug/Kg | ☆ | 06/28/21 15:10 | 06/29/21 22:23 | 5       |
| alpha-BHC           | ND     |           | 11  | 1.9 | ug/Kg | ☆ | 06/28/21 15:10 | 06/29/21 22:23 | 5       |
| beta-BHC            | ND     |           | 11  | 1.9 | ug/Kg | ☆ | 06/28/21 15:10 | 06/29/21 22:23 | 5       |
| cis-Chlordane       | ND     |           | 11  | 5.3 | ug/Kg | ☆ | 06/28/21 15:10 | 06/29/21 22:23 | 5       |
| delta-BHC           | ND     |           | 11  | 2.0 | ug/Kg | ☆ | 06/28/21 15:10 | 06/29/21 22:23 | 5       |
| Dieldrin            | ND     |           | 11  | 2.6 | ug/Kg | ☆ | 06/28/21 15:10 | 06/29/21 22:23 | 5       |
| Endosulfan I        | ND     |           | 11  | 2.1 | ug/Kg | ☆ | 06/28/21 15:10 | 06/29/21 22:23 | 5       |
| Endosulfan II       | ND     |           | 11  | 1.9 | ug/Kg | ☆ | 06/28/21 15:10 | 06/29/21 22:23 | 5       |
| Endosulfan sulfate  | ND     |           | 11  | 2.0 | ug/Kg | ☆ | 06/28/21 15:10 | 06/29/21 22:23 | 5       |
| Endrin              | ND     |           | 11  | 2.1 | ug/Kg | ☆ | 06/28/21 15:10 | 06/29/21 22:23 | 5       |
| Endrin aldehyde     | ND     |           | 11  | 2.7 | ug/Kg | ☆ | 06/28/21 15:10 | 06/29/21 22:23 | 5       |
| Endrin ketone       | ND     |           | 11  | 2.6 | ug/Kg | ☆ | 06/28/21 15:10 | 06/29/21 22:23 | 5       |
| gamma-BHC (Lindane) | ND     |           | 11  | 2.0 | ug/Kg | ☆ | 06/28/21 15:10 | 06/29/21 22:23 | 5       |
| Heptachlor          | ND     |           | 11  | 2.3 | ug/Kg | ☆ | 06/28/21 15:10 | 06/29/21 22:23 | 5       |
| Heptachlor epoxide  | 3.7    | J         | 11  | 2.8 | ug/Kg | ☆ | 06/28/21 15:10 | 06/29/21 22:23 | 5       |
| Methoxychlor        | ND     |           | 11  | 2.2 | ug/Kg | ☆ | 06/28/21 15:10 | 06/29/21 22:23 | 5       |
| Mirex               | ND     |           | 11  | 2.6 | ug/Kg | ☆ | 06/28/21 15:10 | 06/29/21 22:23 | 5       |
| Toxaphene           | ND     |           | 110 | 62  | ug/Kg | ☆ | 06/28/21 15:10 | 06/29/21 22:23 | 5       |
| trans-Chlordane     | ND     |           | 11  | 3.4 | ug/Kg | ☆ | 06/28/21 15:10 | 06/29/21 22:23 | 5       |

Eurofins TestAmerica, Buffalo

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

Client Sample ID: SS-25-0212

Lab Sample ID: 480-186319-40

Date Collected: 06/21/21 13:20

Matrix: Solid

Date Received: 06/21/21 16:14

Percent Solids: 76.4

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| DCB Decachlorobiphenyl | 85        |           | 45 - 120 | 06/28/21 15:10 | 06/29/21 22:23 | 5       |
| DCB Decachlorobiphenyl | 137       | S1+       | 45 - 120 | 06/28/21 15:10 | 06/29/21 22:23 | 5       |
| Tetrachloro-m-xylene   | 61        |           | 30 - 124 | 06/28/21 15:10 | 06/29/21 22:23 | 5       |
| Tetrachloro-m-xylene   | 51        |           | 30 - 124 | 06/28/21 15:10 | 06/29/21 22:23 | 5       |

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

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| PCB-1016 | ND     |           | 0.26 | 0.050 | mg/Kg | ☆ | 06/30/21 15:12 | 07/01/21 18:06 | 1       |
| PCB-1221 | ND     |           | 0.26 | 0.050 | mg/Kg | ☆ | 06/30/21 15:12 | 07/01/21 18:06 | 1       |
| PCB-1232 | ND     |           | 0.26 | 0.050 | mg/Kg | ☆ | 06/30/21 15:12 | 07/01/21 18:06 | 1       |
| PCB-1242 | ND     |           | 0.26 | 0.050 | mg/Kg | ☆ | 06/30/21 15:12 | 07/01/21 18:06 | 1       |
| PCB-1248 | ND     |           | 0.26 | 0.050 | mg/Kg | ☆ | 06/30/21 15:12 | 07/01/21 18:06 | 1       |
| PCB-1254 | ND     |           | 0.26 | 0.12  | mg/Kg | ☆ | 06/30/21 15:12 | 07/01/21 18:06 | 1       |
| PCB-1260 | ND     |           | 0.26 | 0.12  | mg/Kg | ☆ | 06/30/21 15:12 | 07/01/21 18:06 | 1       |
| PCB-1262 | ND     |           | 0.26 | 0.12  | mg/Kg | ☆ | 06/30/21 15:12 | 07/01/21 18:06 | 1       |
| PCB-1268 | ND     |           | 0.26 | 0.12  | mg/Kg | ☆ | 06/30/21 15:12 | 07/01/21 18:06 | 1       |

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| Tetrachloro-m-xylene   | 111       |           | 60 - 154 | 06/30/21 15:12 | 07/01/21 18:06 | 1       |
| Tetrachloro-m-xylene   | 119       |           | 60 - 154 | 06/30/21 15:12 | 07/01/21 18:06 | 1       |
| DCB Decachlorobiphenyl | 119       |           | 65 - 174 | 06/30/21 15:12 | 07/01/21 18:06 | 1       |
| DCB Decachlorobiphenyl | 104       |           | 65 - 174 | 06/30/21 15:12 | 07/01/21 18:06 | 1       |

## Method: 6010C - Metals (ICP)

| Analyte   | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| Aluminum  | 14300  |           | 12.7 | 5.6   | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 16:02 | 1       |
| Antimony  | ND     |           | 19.0 | 0.51  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 16:02 | 1       |
| Arsenic   | 4.4    |           | 2.5  | 0.51  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 16:02 | 1       |
| Barium    | 84.5   | ^6+       | 0.63 | 0.14  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 16:02 | 1       |
| Beryllium | 0.64   |           | 0.25 | 0.036 | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 16:02 | 1       |
| Cadmium   | 1.1    |           | 0.25 | 0.038 | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 16:02 | 1       |
| Calcium   | 24200  | B         | 63.4 | 4.2   | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 16:02 | 1       |
| Chromium  | 20.3   |           | 0.63 | 0.25  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 16:02 | 1       |
| Cobalt    | 7.1    |           | 0.63 | 0.063 | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 16:02 | 1       |
| Copper    | 90.3   |           | 1.3  | 0.27  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 16:02 | 1       |
| Iron      | 18100  | B ^+      | 12.7 | 4.4   | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 16:02 | 1       |
| Lead      | 47.0   |           | 1.3  | 0.30  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 16:02 | 1       |
| Magnesium | 9960   | B         | 25.4 | 1.2   | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 16:02 | 1       |
| Manganese | 273    | B         | 0.25 | 0.041 | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 16:02 | 1       |
| Nickel    | 23.5   |           | 6.3  | 0.29  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 16:02 | 1       |
| Potassium | 2430   |           | 38.1 | 25.4  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 16:02 | 1       |
| Selenium  | 1.9    | J         | 5.1  | 0.51  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 16:02 | 1       |
| Silver    | 1.0    |           | 0.76 | 0.25  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 16:02 | 1       |
| Sodium    | 156    | J         | 178  | 16.5  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 16:02 | 1       |
| Thallium  | ND     |           | 7.6  | 0.38  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 16:02 | 1       |
| Vanadium  | 27.3   |           | 0.63 | 0.14  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 16:02 | 1       |
| Zinc      | 119    |           | 2.5  | 0.81  | mg/Kg | ☆ | 06/24/21 11:32 | 06/25/21 16:02 | 1       |

## Method: 7471B - Mercury (CVAA)

| Analyte | Result | Qualifier | RL    | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------|--------|-----------|-------|-------|-------|---|----------------|----------------|---------|
| Mercury | 0.45   |           | 0.062 | 0.014 | mg/Kg | ☆ | 07/01/21 13:35 | 07/01/21 15:42 | 1       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

Client Sample ID: FBSS-01-210621

Lab Sample ID: 480-186319-41

Date Collected: 06/21/21 14:10

Matrix: Water

Date Received: 06/21/21 16:14

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

| Analyte                       | Result | Qualifier | RL  | MDL  | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|--------|-----------|-----|------|------|---|----------------|----------------|---------|
| Biphenyl                      | ND     |           | 5.0 | 0.65 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:10 | 1       |
| bis (2-chloroisopropyl) ether | ND     |           | 5.0 | 0.52 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:10 | 1       |
| 2,4,5-Trichlorophenol         | ND     |           | 5.0 | 0.48 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:10 | 1       |
| 2,4,6-Trichlorophenol         | ND     |           | 5.0 | 0.61 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:10 | 1       |
| 2,4-Dichlorophenol            | ND     |           | 5.0 | 0.51 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:10 | 1       |
| 2,4-Dimethylphenol            | ND     |           | 5.0 | 0.50 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:10 | 1       |
| 2,4-Dinitrophenol             | ND     |           | 10  | 2.2  | ug/L |   | 06/24/21 14:49 | 07/02/21 09:10 | 1       |
| 2,4-Dinitrotoluene            | ND     |           | 5.0 | 0.45 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:10 | 1       |
| 2,6-Dinitrotoluene            | ND     |           | 5.0 | 0.40 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:10 | 1       |
| 2-Chloronaphthalene           | ND     |           | 5.0 | 0.46 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:10 | 1       |
| 2-Chlorophenol                | ND     |           | 5.0 | 0.53 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:10 | 1       |
| 2-Methylnaphthalene           | ND     |           | 5.0 | 0.60 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:10 | 1       |
| 2-Methylphenol                | ND     |           | 5.0 | 0.40 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:10 | 1       |
| 2-Nitroaniline                | ND     |           | 10  | 0.42 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:10 | 1       |
| 2-Nitrophenol                 | ND     |           | 5.0 | 0.48 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:10 | 1       |
| 3,3'-Dichlorobenzidine        | ND     |           | 5.0 | 0.40 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:10 | 1       |
| 3-Nitroaniline                | ND     |           | 10  | 0.48 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:10 | 1       |
| 4,6-Dinitro-2-methylphenol    | ND     |           | 10  | 2.2  | ug/L |   | 06/24/21 14:49 | 07/02/21 09:10 | 1       |
| 4-Bromophenyl phenyl ether    | ND     |           | 5.0 | 0.45 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:10 | 1       |
| 4-Chloro-3-methylphenol       | ND     |           | 5.0 | 0.45 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:10 | 1       |
| 4-Chloroaniline               | ND     |           | 5.0 | 0.59 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:10 | 1       |
| 4-Chlorophenyl phenyl ether   | ND     |           | 5.0 | 0.35 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:10 | 1       |
| 4-Methylphenol                | ND     |           | 10  | 0.36 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:10 | 1       |
| 4-Nitroaniline                | ND     |           | 10  | 0.25 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:10 | 1       |
| 4-Nitrophenol                 | ND     |           | 10  | 1.5  | ug/L |   | 06/24/21 14:49 | 07/02/21 09:10 | 1       |
| Acenaphthene                  | ND     |           | 5.0 | 0.41 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:10 | 1       |
| Acenaphthylene                | ND     |           | 5.0 | 0.38 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:10 | 1       |
| Acetophenone                  | ND     |           | 5.0 | 0.54 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:10 | 1       |
| Anthracene                    | ND     |           | 5.0 | 0.28 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:10 | 1       |
| Atrazine                      | ND     |           | 5.0 | 0.46 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:10 | 1       |
| Benzaldehyde                  | ND     |           | 5.0 | 0.27 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:10 | 1       |
| Benzo(a)anthracene            | ND     |           | 5.0 | 0.36 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:10 | 1       |
| Benzo(a)pyrene                | ND     |           | 5.0 | 0.47 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:10 | 1       |
| Benzo(b)fluoranthene          | ND     |           | 5.0 | 0.34 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:10 | 1       |
| Benzo(g,h,i)perylene          | ND     |           | 5.0 | 0.35 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:10 | 1       |
| Benzo(k)fluoranthene          | ND     |           | 5.0 | 0.73 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:10 | 1       |
| Bis(2-chloroethoxy)methane    | ND     |           | 5.0 | 0.35 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:10 | 1       |
| Bis(2-chloroethyl)ether       | ND     |           | 5.0 | 0.40 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:10 | 1       |
| Bis(2-ethylhexyl) phthalate   | ND     |           | 5.0 | 2.2  | ug/L |   | 06/24/21 14:49 | 07/02/21 09:10 | 1       |
| Butyl benzyl phthalate        | ND     |           | 5.0 | 1.0  | ug/L |   | 06/24/21 14:49 | 07/02/21 09:10 | 1       |
| Caprolactam                   | ND     |           | 5.0 | 2.2  | ug/L |   | 06/24/21 14:49 | 07/02/21 09:10 | 1       |
| Carbazole                     | ND     |           | 5.0 | 0.30 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:10 | 1       |
| Chrysene                      | ND     |           | 5.0 | 0.33 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:10 | 1       |
| Di-n-butyl phthalate          | 25     | B         | 5.0 | 0.31 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:10 | 1       |
| Di-n-octyl phthalate          | ND     |           | 5.0 | 0.47 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:10 | 1       |
| Dibenz(a,h)anthracene         | ND     |           | 5.0 | 0.42 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:10 | 1       |
| Dibenzofuran                  | ND     |           | 10  | 0.51 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:10 | 1       |
| Diethyl phthalate             | ND     |           | 5.0 | 0.22 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:10 | 1       |
| Dimethyl phthalate            | ND     |           | 5.0 | 0.36 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:10 | 1       |

Eurofins TestAmerica, Buffalo

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

Client Sample ID: FBSS-01-210621

Lab Sample ID: 480-186319-41

Date Collected: 06/21/21 14:10

Matrix: Water

Date Received: 06/21/21 16:14

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

| Analyte                   | Result | Qualifier | RL  | MDL  | Unit | D | Prepared       | Analyzed       | Dil Fac |
|---------------------------|--------|-----------|-----|------|------|---|----------------|----------------|---------|
| Fluoranthene              | ND     |           | 5.0 | 0.40 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:10 | 1       |
| Fluorene                  | ND     |           | 5.0 | 0.36 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:10 | 1       |
| Hexachlorobenzene         | ND     |           | 5.0 | 0.51 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:10 | 1       |
| Hexachlorobutadiene       | ND     |           | 5.0 | 0.68 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:10 | 1       |
| Hexachlorocyclopentadiene | ND     |           | 5.0 | 0.59 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:10 | 1       |
| Hexachloroethane          | ND     |           | 5.0 | 0.59 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:10 | 1       |
| Indeno(1,2,3-cd)pyrene    | ND     |           | 5.0 | 0.47 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:10 | 1       |
| Isophorone                | ND     |           | 5.0 | 0.43 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:10 | 1       |
| N-Nitrosodi-n-propylamine | ND     |           | 5.0 | 0.54 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:10 | 1       |
| N-Nitrosodiphenylamine    | ND     |           | 5.0 | 0.51 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:10 | 1       |
| Naphthalene               | ND     |           | 5.0 | 0.76 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:10 | 1       |
| Nitrobenzene              | ND     |           | 5.0 | 0.29 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:10 | 1       |
| Pentachlorophenol         | ND     |           | 10  | 2.2  | ug/L |   | 06/24/21 14:49 | 07/02/21 09:10 | 1       |
| Phenanthrene              | ND     |           | 5.0 | 0.44 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:10 | 1       |
| Phenol                    | ND     |           | 5.0 | 0.39 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:10 | 1       |
| Pyrene                    | ND     |           | 5.0 | 0.34 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:10 | 1       |
| Benzoic acid              | ND     |           | 150 | 100  | ug/L |   | 06/24/21 14:49 | 07/02/21 09:10 | 1       |

| Surrogate            | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 2,4,6-Tribromophenol | 104       |           | 41 - 120 | 06/24/21 14:49 | 07/02/21 09:10 | 1       |
| 2-Fluorobiphenyl     | 100       |           | 48 - 120 | 06/24/21 14:49 | 07/02/21 09:10 | 1       |
| 2-Fluorophenol       | 64        |           | 35 - 120 | 06/24/21 14:49 | 07/02/21 09:10 | 1       |
| Nitrobenzene-d5      | 95        |           | 46 - 120 | 06/24/21 14:49 | 07/02/21 09:10 | 1       |
| p-Terphenyl-d14      | 104       |           | 60 - 148 | 06/24/21 14:49 | 07/02/21 09:10 | 1       |
| Phenol-d5            | 47        |           | 22 - 120 | 06/24/21 14:49 | 07/02/21 09:10 | 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 |   | 06/24/21 06:56 | 06/24/21 16:38 | 1       |
| 4,4'-DDE            | ND     |           | 0.050 | 0.012  | ug/L |   | 06/24/21 06:56 | 06/24/21 16:38 | 1       |
| 4,4'-DDT            | 0.028  | J         | 0.050 | 0.011  | ug/L |   | 06/24/21 06:56 | 06/24/21 16:38 | 1       |
| Aldrin              | ND     |           | 0.050 | 0.0081 | ug/L |   | 06/24/21 06:56 | 06/24/21 16:38 | 1       |
| alpha-BHC           | ND     |           | 0.050 | 0.0077 | ug/L |   | 06/24/21 06:56 | 06/24/21 16:38 | 1       |
| cis-Chlordane       | ND     |           | 0.050 | 0.015  | ug/L |   | 06/24/21 06:56 | 06/24/21 16:38 | 1       |
| beta-BHC            | ND     |           | 0.050 | 0.025  | ug/L |   | 06/24/21 06:56 | 06/24/21 16:38 | 1       |
| delta-BHC           | ND     |           | 0.050 | 0.010  | ug/L |   | 06/24/21 06:56 | 06/24/21 16:38 | 1       |
| Dieldrin            | ND     |           | 0.050 | 0.0098 | ug/L |   | 06/24/21 06:56 | 06/24/21 16:38 | 1       |
| Endosulfan I        | ND     |           | 0.050 | 0.011  | ug/L |   | 06/24/21 06:56 | 06/24/21 16:38 | 1       |
| Endosulfan II       | ND     |           | 0.050 | 0.012  | ug/L |   | 06/24/21 06:56 | 06/24/21 16:38 | 1       |
| Endosulfan sulfate  | ND     |           | 0.050 | 0.016  | ug/L |   | 06/24/21 06:56 | 06/24/21 16:38 | 1       |
| Endrin              | ND     |           | 0.050 | 0.014  | ug/L |   | 06/24/21 06:56 | 06/24/21 16:38 | 1       |
| Endrin aldehyde     | ND     |           | 0.050 | 0.016  | ug/L |   | 06/24/21 06:56 | 06/24/21 16:38 | 1       |
| Endrin ketone       | ND     |           | 0.050 | 0.012  | ug/L |   | 06/24/21 06:56 | 06/24/21 16:38 | 1       |
| gamma-BHC (Lindane) | 0.013  | J B       | 0.050 | 0.0080 | ug/L |   | 06/24/21 06:56 | 06/24/21 16:38 | 1       |
| trans-Chlordane     | ND     |           | 0.050 | 0.011  | ug/L |   | 06/24/21 06:56 | 06/24/21 16:38 | 1       |
| Heptachlor          | ND     |           | 0.050 | 0.0085 | ug/L |   | 06/24/21 06:56 | 06/24/21 16:38 | 1       |
| Heptachlor epoxide  | ND     |           | 0.050 | 0.0074 | ug/L |   | 06/24/21 06:56 | 06/24/21 16:38 | 1       |
| Methoxychlor        | ND     |           | 0.050 | 0.014  | ug/L |   | 06/24/21 06:56 | 06/24/21 16:38 | 1       |
| Toxaphene           | ND     |           | 0.50  | 0.12   | ug/L |   | 06/24/21 06:56 | 06/24/21 16:38 | 1       |
| Mirex               | ND     |           | 0.050 | 0.0096 | ug/L |   | 06/24/21 06:56 | 06/24/21 16:38 | 1       |

Eurofins TestAmerica, Buffalo

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

Client Sample ID: FBSS-01-210621

Lab Sample ID: 480-186319-41

Date Collected: 06/21/21 14:10

Matrix: Water

Date Received: 06/21/21 16:14

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| DCB Decachlorobiphenyl | 28        |           | 20 - 120 | 06/24/21 06:56 | 06/24/21 16:38 | 1       |
| DCB Decachlorobiphenyl | 34        |           | 20 - 120 | 06/24/21 06:56 | 06/24/21 16:38 | 1       |
| Tetrachloro-m-xylene   | 87        |           | 44 - 120 | 06/24/21 06:56 | 06/24/21 16:38 | 1       |
| Tetrachloro-m-xylene   | 59        |           | 44 - 120 | 06/24/21 06:56 | 06/24/21 16:38 | 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 |   | 07/03/21 08:36 | 07/05/21 22:11 | 1       |
| PCB-1221 | ND     |           | 0.52 | 0.18 | ug/L |   | 07/03/21 08:36 | 07/05/21 22:11 | 1       |
| PCB-1232 | ND     |           | 0.52 | 0.18 | ug/L |   | 07/03/21 08:36 | 07/05/21 22:11 | 1       |
| PCB-1242 | ND     |           | 0.52 | 0.18 | ug/L |   | 07/03/21 08:36 | 07/05/21 22:11 | 1       |
| PCB-1248 | ND     |           | 0.52 | 0.18 | ug/L |   | 07/03/21 08:36 | 07/05/21 22:11 | 1       |
| PCB-1254 | ND     |           | 0.52 | 0.26 | ug/L |   | 07/03/21 08:36 | 07/05/21 22:11 | 1       |
| PCB-1260 | ND     |           | 0.52 | 0.26 | ug/L |   | 07/03/21 08:36 | 07/05/21 22:11 | 1       |
| PCB-1262 | ND     |           | 0.52 | 0.26 | ug/L |   | 07/03/21 08:36 | 07/05/21 22:11 | 1       |
| PCB-1268 | ND     |           | 0.52 | 0.26 | ug/L |   | 07/03/21 08:36 | 07/05/21 22:11 | 1       |

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| Tetrachloro-m-xylene   | 120       |           | 39 - 121 | 07/03/21 08:36 | 07/05/21 22:11 | 1       |
| Tetrachloro-m-xylene   | 117       |           | 39 - 121 | 07/03/21 08:36 | 07/05/21 22:11 | 1       |
| DCB Decachlorobiphenyl | 65        |           | 19 - 120 | 07/03/21 08:36 | 07/05/21 22:11 | 1       |
| DCB Decachlorobiphenyl | 67        |           | 19 - 120 | 07/03/21 08:36 | 07/05/21 22:11 | 1       |

## Method: 6010C - Metals (ICP) - Total Recoverable

| Analyte   | Result | Qualifier | RL     | MDL     | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-----------|--------|-----------|--------|---------|------|---|----------------|----------------|---------|
| Aluminum  | ND     |           | 0.20   | 0.060   | mg/L |   | 06/23/21 08:43 | 06/23/21 23:38 | 1       |
| Antimony  | ND     |           | 0.020  | 0.0068  | mg/L |   | 06/23/21 08:43 | 06/23/21 23:38 | 1       |
| Arsenic   | ND     |           | 0.015  | 0.0056  | mg/L |   | 06/23/21 08:43 | 06/23/21 23:38 | 1       |
| Barium    | ND     |           | 0.0020 | 0.00070 | mg/L |   | 06/23/21 08:43 | 06/23/21 23:38 | 1       |
| Beryllium | ND     |           | 0.0020 | 0.00030 | mg/L |   | 06/23/21 08:43 | 06/23/21 23:38 | 1       |
| Cadmium   | ND     |           | 0.0020 | 0.00050 | mg/L |   | 06/23/21 08:43 | 06/23/21 23:38 | 1       |
| Calcium   | ND     |           | 0.50   | 0.10    | mg/L |   | 06/23/21 08:43 | 06/23/21 23:38 | 1       |
| Chromium  | ND     |           | 0.0040 | 0.0010  | mg/L |   | 06/23/21 08:43 | 06/23/21 23:38 | 1       |
| Cobalt    | ND     |           | 0.0040 | 0.00063 | mg/L |   | 06/23/21 08:43 | 06/23/21 23:38 | 1       |
| Copper    | ND     |           | 0.010  | 0.0016  | mg/L |   | 06/23/21 08:43 | 06/23/21 23:38 | 1       |
| Iron      | ND     |           | 0.050  | 0.019   | mg/L |   | 06/23/21 08:43 | 06/23/21 23:38 | 1       |
| Lead      | ND     |           | 0.010  | 0.0030  | mg/L |   | 06/23/21 08:43 | 06/23/21 23:38 | 1       |
| Magnesium | ND     |           | 0.20   | 0.043   | mg/L |   | 06/23/21 08:43 | 06/23/21 23:38 | 1       |
| Manganese | ND     |           | 0.0030 | 0.00040 | mg/L |   | 06/23/21 08:43 | 06/23/21 23:38 | 1       |
| Nickel    | ND     |           | 0.010  | 0.0013  | mg/L |   | 06/23/21 08:43 | 06/23/21 23:38 | 1       |
| Potassium | ND     |           | 0.50   | 0.10    | mg/L |   | 06/23/21 08:43 | 06/23/21 23:38 | 1       |
| Selenium  | ND     |           | 0.025  | 0.0087  | mg/L |   | 06/23/21 08:43 | 06/23/21 23:38 | 1       |
| Silver    | ND     |           | 0.0060 | 0.0017  | mg/L |   | 06/23/21 08:43 | 06/23/21 23:38 | 1       |
| Sodium    | ND     |           | 1.0    | 0.32    | mg/L |   | 06/23/21 08:43 | 06/23/21 23:38 | 1       |
| Thallium  | ND     |           | 0.020  | 0.010   | mg/L |   | 06/23/21 08:43 | 06/23/21 23:38 | 1       |
| Vanadium  | ND     |           | 0.0050 | 0.0015  | mg/L |   | 06/23/21 08:43 | 06/23/21 23:38 | 1       |
| Zinc      | ND     |           | 0.010  | 0.0015  | mg/L |   | 06/23/21 08:43 | 06/23/21 23:38 | 1       |

## Method: 7470A - Mercury (CVAA)

| Analyte | Result | Qualifier | RL      | MDL      | Unit | D | Prepared       | Analyzed       | Dil Fac |
|---------|--------|-----------|---------|----------|------|---|----------------|----------------|---------|
| Mercury | ND     |           | 0.00020 | 0.000043 | mg/L |   | 06/25/21 14:02 | 06/25/21 17:56 | 1       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

Client Sample ID: FBSS-02-210621

Lab Sample ID: 480-186319-42

Date Collected: 06/21/21 14:20

Matrix: Water

Date Received: 06/21/21 16:14

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

| Analyte                       | Result | Qualifier | RL  | MDL  | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|--------|-----------|-----|------|------|---|----------------|----------------|---------|
| Biphenyl                      | ND     |           | 5.0 | 0.65 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:37 | 1       |
| bis (2-chloroisopropyl) ether | ND     |           | 5.0 | 0.52 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:37 | 1       |
| 2,4,5-Trichlorophenol         | ND     |           | 5.0 | 0.48 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:37 | 1       |
| 2,4,6-Trichlorophenol         | ND     |           | 5.0 | 0.61 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:37 | 1       |
| 2,4-Dichlorophenol            | ND     |           | 5.0 | 0.51 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:37 | 1       |
| 2,4-Dimethylphenol            | ND     |           | 5.0 | 0.50 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:37 | 1       |
| 2,4-Dinitrophenol             | ND     |           | 10  | 2.2  | ug/L |   | 06/24/21 14:49 | 07/02/21 09:37 | 1       |
| 2,4-Dinitrotoluene            | ND     |           | 5.0 | 0.45 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:37 | 1       |
| 2,6-Dinitrotoluene            | ND     |           | 5.0 | 0.40 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:37 | 1       |
| 2-Chloronaphthalene           | ND     |           | 5.0 | 0.46 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:37 | 1       |
| 2-Chlorophenol                | ND     |           | 5.0 | 0.53 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:37 | 1       |
| 2-Methylnaphthalene           | ND     |           | 5.0 | 0.60 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:37 | 1       |
| 2-Methylphenol                | ND     |           | 5.0 | 0.40 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:37 | 1       |
| 2-Nitroaniline                | ND     |           | 10  | 0.42 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:37 | 1       |
| 2-Nitrophenol                 | ND     |           | 5.0 | 0.48 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:37 | 1       |
| 3,3'-Dichlorobenzidine        | ND     |           | 5.0 | 0.40 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:37 | 1       |
| 3-Nitroaniline                | ND     |           | 10  | 0.48 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:37 | 1       |
| 4,6-Dinitro-2-methylphenol    | ND     |           | 10  | 2.2  | ug/L |   | 06/24/21 14:49 | 07/02/21 09:37 | 1       |
| 4-Bromophenyl phenyl ether    | ND     |           | 5.0 | 0.45 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:37 | 1       |
| 4-Chloro-3-methylphenol       | ND     |           | 5.0 | 0.45 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:37 | 1       |
| 4-Chloroaniline               | ND     |           | 5.0 | 0.59 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:37 | 1       |
| 4-Chlorophenyl phenyl ether   | ND     |           | 5.0 | 0.35 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:37 | 1       |
| 4-Methylphenol                | ND     |           | 10  | 0.36 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:37 | 1       |
| 4-Nitroaniline                | ND     |           | 10  | 0.25 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:37 | 1       |
| 4-Nitrophenol                 | ND     |           | 10  | 1.5  | ug/L |   | 06/24/21 14:49 | 07/02/21 09:37 | 1       |
| Acenaphthene                  | ND     |           | 5.0 | 0.41 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:37 | 1       |
| Acenaphthylene                | ND     |           | 5.0 | 0.38 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:37 | 1       |
| Acetophenone                  | ND     |           | 5.0 | 0.54 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:37 | 1       |
| Anthracene                    | ND     |           | 5.0 | 0.28 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:37 | 1       |
| Atrazine                      | ND     |           | 5.0 | 0.46 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:37 | 1       |
| Benzaldehyde                  | ND     |           | 5.0 | 0.27 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:37 | 1       |
| Benzo(a)anthracene            | ND     |           | 5.0 | 0.36 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:37 | 1       |
| Benzo(a)pyrene                | ND     |           | 5.0 | 0.47 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:37 | 1       |
| Benzo(b)fluoranthene          | ND     |           | 5.0 | 0.34 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:37 | 1       |
| Benzo(g,h,i)perylene          | ND     |           | 5.0 | 0.35 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:37 | 1       |
| Benzo(k)fluoranthene          | ND     |           | 5.0 | 0.73 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:37 | 1       |
| Bis(2-chloroethoxy)methane    | ND     |           | 5.0 | 0.35 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:37 | 1       |
| Bis(2-chloroethyl)ether       | ND     |           | 5.0 | 0.40 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:37 | 1       |
| Bis(2-ethylhexyl) phthalate   | ND     |           | 5.0 | 2.2  | ug/L |   | 06/24/21 14:49 | 07/02/21 09:37 | 1       |
| Butyl benzyl phthalate        | ND     |           | 5.0 | 1.0  | ug/L |   | 06/24/21 14:49 | 07/02/21 09:37 | 1       |
| Caprolactam                   | ND     |           | 5.0 | 2.2  | ug/L |   | 06/24/21 14:49 | 07/02/21 09:37 | 1       |
| Carbazole                     | ND     |           | 5.0 | 0.30 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:37 | 1       |
| Chrysene                      | ND     |           | 5.0 | 0.33 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:37 | 1       |
| Di-n-butyl phthalate          | 3.1    | J B       | 5.0 | 0.31 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:37 | 1       |
| Di-n-octyl phthalate          | ND     |           | 5.0 | 0.47 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:37 | 1       |
| Dibenz(a,h)anthracene         | ND     |           | 5.0 | 0.42 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:37 | 1       |
| Dibenzofuran                  | ND     |           | 10  | 0.51 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:37 | 1       |
| Diethyl phthalate             | ND     |           | 5.0 | 0.22 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:37 | 1       |
| Dimethyl phthalate            | ND     |           | 5.0 | 0.36 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:37 | 1       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

Client Sample ID: FBSS-02-210621

Lab Sample ID: 480-186319-42

Date Collected: 06/21/21 14:20

Matrix: Water

Date Received: 06/21/21 16:14

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

| Analyte                   | Result | Qualifier | RL  | MDL  | Unit | D | Prepared       | Analyzed       | Dil Fac |
|---------------------------|--------|-----------|-----|------|------|---|----------------|----------------|---------|
| Fluoranthene              | ND     |           | 5.0 | 0.40 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:37 | 1       |
| Fluorene                  | ND     |           | 5.0 | 0.36 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:37 | 1       |
| Hexachlorobenzene         | ND     |           | 5.0 | 0.51 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:37 | 1       |
| Hexachlorobutadiene       | ND     |           | 5.0 | 0.68 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:37 | 1       |
| Hexachlorocyclopentadiene | ND     |           | 5.0 | 0.59 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:37 | 1       |
| Hexachloroethane          | ND     |           | 5.0 | 0.59 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:37 | 1       |
| Indeno(1,2,3-cd)pyrene    | ND     |           | 5.0 | 0.47 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:37 | 1       |
| Isophorone                | ND     |           | 5.0 | 0.43 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:37 | 1       |
| N-Nitrosodi-n-propylamine | ND     |           | 5.0 | 0.54 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:37 | 1       |
| N-Nitrosodiphenylamine    | ND     |           | 5.0 | 0.51 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:37 | 1       |
| Naphthalene               | ND     |           | 5.0 | 0.76 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:37 | 1       |
| Nitrobenzene              | ND     |           | 5.0 | 0.29 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:37 | 1       |
| Pentachlorophenol         | ND     |           | 10  | 2.2  | ug/L |   | 06/24/21 14:49 | 07/02/21 09:37 | 1       |
| Phenanthrene              | ND     |           | 5.0 | 0.44 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:37 | 1       |
| Phenol                    | ND     |           | 5.0 | 0.39 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:37 | 1       |
| Pyrene                    | ND     |           | 5.0 | 0.34 | ug/L |   | 06/24/21 14:49 | 07/02/21 09:37 | 1       |
| Benzoic acid              | ND     |           | 150 | 100  | ug/L |   | 06/24/21 14:49 | 07/02/21 09:37 | 1       |

| Surrogate            | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 2,4,6-Tribromophenol | 98        |           | 41 - 120 | 06/24/21 14:49 | 07/02/21 09:37 | 1       |
| 2-Fluorobiphenyl     | 96        |           | 48 - 120 | 06/24/21 14:49 | 07/02/21 09:37 | 1       |
| 2-Fluorophenol       | 60        |           | 35 - 120 | 06/24/21 14:49 | 07/02/21 09:37 | 1       |
| Nitrobenzene-d5      | 91        |           | 46 - 120 | 06/24/21 14:49 | 07/02/21 09:37 | 1       |
| p-Terphenyl-d14      | 101       |           | 60 - 148 | 06/24/21 14:49 | 07/02/21 09:37 | 1       |
| Phenol-d5            | 45        |           | 22 - 120 | 06/24/21 14:49 | 07/02/21 09:37 | 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 |   | 06/24/21 06:56 | 06/24/21 16:57 | 1       |
| 4,4'-DDE            | ND     |           | 0.050 | 0.012  | ug/L |   | 06/24/21 06:56 | 06/24/21 16:57 | 1       |
| 4,4'-DDT            | ND     |           | 0.050 | 0.011  | ug/L |   | 06/24/21 06:56 | 06/24/21 16:57 | 1       |
| Aldrin              | ND     |           | 0.050 | 0.0081 | ug/L |   | 06/24/21 06:56 | 06/24/21 16:57 | 1       |
| alpha-BHC           | ND     |           | 0.050 | 0.0077 | ug/L |   | 06/24/21 06:56 | 06/24/21 16:57 | 1       |
| cis-Chlordane       | ND     |           | 0.050 | 0.015  | ug/L |   | 06/24/21 06:56 | 06/24/21 16:57 | 1       |
| beta-BHC            | ND     |           | 0.050 | 0.025  | ug/L |   | 06/24/21 06:56 | 06/24/21 16:57 | 1       |
| delta-BHC           | ND     |           | 0.050 | 0.010  | ug/L |   | 06/24/21 06:56 | 06/24/21 16:57 | 1       |
| Dieldrin            | ND     |           | 0.050 | 0.0098 | ug/L |   | 06/24/21 06:56 | 06/24/21 16:57 | 1       |
| Endosulfan I        | ND     |           | 0.050 | 0.011  | ug/L |   | 06/24/21 06:56 | 06/24/21 16:57 | 1       |
| Endosulfan II       | ND     |           | 0.050 | 0.012  | ug/L |   | 06/24/21 06:56 | 06/24/21 16:57 | 1       |
| Endosulfan sulfate  | ND     |           | 0.050 | 0.016  | ug/L |   | 06/24/21 06:56 | 06/24/21 16:57 | 1       |
| Endrin              | ND     |           | 0.050 | 0.014  | ug/L |   | 06/24/21 06:56 | 06/24/21 16:57 | 1       |
| Endrin aldehyde     | ND     |           | 0.050 | 0.016  | ug/L |   | 06/24/21 06:56 | 06/24/21 16:57 | 1       |
| Endrin ketone       | ND     |           | 0.050 | 0.012  | ug/L |   | 06/24/21 06:56 | 06/24/21 16:57 | 1       |
| gamma-BHC (Lindane) | 0.013  | J B       | 0.050 | 0.0080 | ug/L |   | 06/24/21 06:56 | 06/24/21 16:57 | 1       |
| trans-Chlordane     | ND     |           | 0.050 | 0.011  | ug/L |   | 06/24/21 06:56 | 06/24/21 16:57 | 1       |
| Heptachlor          | ND     |           | 0.050 | 0.0085 | ug/L |   | 06/24/21 06:56 | 06/24/21 16:57 | 1       |
| Heptachlor epoxide  | ND     |           | 0.050 | 0.0074 | ug/L |   | 06/24/21 06:56 | 06/24/21 16:57 | 1       |
| Methoxychlor        | ND     |           | 0.050 | 0.014  | ug/L |   | 06/24/21 06:56 | 06/24/21 16:57 | 1       |
| Toxaphene           | ND     |           | 0.50  | 0.12   | ug/L |   | 06/24/21 06:56 | 06/24/21 16:57 | 1       |
| Mirex               | ND     |           | 0.050 | 0.0096 | ug/L |   | 06/24/21 06:56 | 06/24/21 16:57 | 1       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

Client Sample ID: FBSS-02-210621

Lab Sample ID: 480-186319-42

Date Collected: 06/21/21 14:20

Matrix: Water

Date Received: 06/21/21 16:14

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| DCB Decachlorobiphenyl | 37        |           | 20 - 120 | 06/24/21 06:56 | 06/24/21 16:57 | 1       |
| DCB Decachlorobiphenyl | 39        |           | 20 - 120 | 06/24/21 06:56 | 06/24/21 16:57 | 1       |
| Tetrachloro-m-xylene   | 92        |           | 44 - 120 | 06/24/21 06:56 | 06/24/21 16:57 | 1       |
| Tetrachloro-m-xylene   | 63        |           | 44 - 120 | 06/24/21 06:56 | 06/24/21 16:57 | 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 |   | 07/03/21 08:36 | 07/06/21 13:59 | 1       |
| PCB-1221 | ND     |           | 0.50 | 0.18 | ug/L |   | 07/03/21 08:36 | 07/06/21 13:59 | 1       |
| PCB-1232 | ND     |           | 0.50 | 0.18 | ug/L |   | 07/03/21 08:36 | 07/06/21 13:59 | 1       |
| PCB-1242 | ND     |           | 0.50 | 0.18 | ug/L |   | 07/03/21 08:36 | 07/06/21 13:59 | 1       |
| PCB-1248 | ND     |           | 0.50 | 0.18 | ug/L |   | 07/03/21 08:36 | 07/06/21 13:59 | 1       |
| PCB-1254 | ND     |           | 0.50 | 0.25 | ug/L |   | 07/03/21 08:36 | 07/06/21 13:59 | 1       |
| PCB-1260 | ND     |           | 0.50 | 0.25 | ug/L |   | 07/03/21 08:36 | 07/06/21 13:59 | 1       |
| PCB-1262 | ND     |           | 0.50 | 0.25 | ug/L |   | 07/03/21 08:36 | 07/06/21 13:59 | 1       |
| PCB-1268 | ND     |           | 0.50 | 0.25 | ug/L |   | 07/03/21 08:36 | 07/06/21 13:59 | 1       |

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| Tetrachloro-m-xylene   | 77        |           | 39 - 121 | 07/03/21 08:36 | 07/06/21 13:59 | 1       |
| Tetrachloro-m-xylene   | 82        |           | 39 - 121 | 07/03/21 08:36 | 07/06/21 13:59 | 1       |
| DCB Decachlorobiphenyl | 58        |           | 19 - 120 | 07/03/21 08:36 | 07/06/21 13:59 | 1       |
| DCB Decachlorobiphenyl | 54        |           | 19 - 120 | 07/03/21 08:36 | 07/06/21 13:59 | 1       |

## Method: 6010C - Metals (ICP) - Total Recoverable

| Analyte   | Result | Qualifier | RL     | MDL     | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-----------|--------|-----------|--------|---------|------|---|----------------|----------------|---------|
| Aluminum  | ND     |           | 0.20   | 0.060   | mg/L |   | 06/23/21 08:43 | 06/24/21 00:08 | 1       |
| Antimony  | ND     |           | 0.020  | 0.0068  | mg/L |   | 06/23/21 08:43 | 06/24/21 00:08 | 1       |
| Arsenic   | ND     |           | 0.015  | 0.0056  | mg/L |   | 06/23/21 08:43 | 06/24/21 00:08 | 1       |
| Barium    | ND     |           | 0.0020 | 0.00070 | mg/L |   | 06/23/21 08:43 | 06/24/21 00:08 | 1       |
| Beryllium | ND     |           | 0.0020 | 0.00030 | mg/L |   | 06/23/21 08:43 | 06/24/21 00:08 | 1       |
| Cadmium   | ND     |           | 0.0020 | 0.00050 | mg/L |   | 06/23/21 08:43 | 06/24/21 00:08 | 1       |
| Calcium   | ND     |           | 0.50   | 0.10    | mg/L |   | 06/23/21 08:43 | 06/24/21 00:08 | 1       |
| Chromium  | ND     |           | 0.0040 | 0.0010  | mg/L |   | 06/23/21 08:43 | 06/24/21 00:08 | 1       |
| Cobalt    | ND     |           | 0.0040 | 0.00063 | mg/L |   | 06/23/21 08:43 | 06/24/21 00:08 | 1       |
| Copper    | ND     |           | 0.010  | 0.0016  | mg/L |   | 06/23/21 08:43 | 06/24/21 00:08 | 1       |
| Iron      | ND     |           | 0.050  | 0.019   | mg/L |   | 06/23/21 08:43 | 06/24/21 00:08 | 1       |
| Lead      | ND     |           | 0.010  | 0.0030  | mg/L |   | 06/23/21 08:43 | 06/24/21 00:08 | 1       |
| Magnesium | ND     |           | 0.20   | 0.043   | mg/L |   | 06/23/21 08:43 | 06/24/21 00:08 | 1       |
| Manganese | ND     |           | 0.0030 | 0.00040 | mg/L |   | 06/23/21 08:43 | 06/24/21 00:08 | 1       |
| Nickel    | ND     |           | 0.010  | 0.0013  | mg/L |   | 06/23/21 08:43 | 06/24/21 00:08 | 1       |
| Potassium | ND     |           | 0.50   | 0.10    | mg/L |   | 06/23/21 08:43 | 06/24/21 00:08 | 1       |
| Selenium  | ND     |           | 0.025  | 0.0087  | mg/L |   | 06/23/21 08:43 | 06/24/21 00:08 | 1       |
| Silver    | ND     |           | 0.0060 | 0.0017  | mg/L |   | 06/23/21 08:43 | 06/24/21 00:08 | 1       |
| Sodium    | ND     |           | 1.0    | 0.32    | mg/L |   | 06/23/21 08:43 | 06/24/21 00:08 | 1       |
| Thallium  | ND     |           | 0.020  | 0.010   | mg/L |   | 06/23/21 08:43 | 06/24/21 00:08 | 1       |
| Vanadium  | ND     |           | 0.0050 | 0.0015  | mg/L |   | 06/23/21 08:43 | 06/24/21 00:08 | 1       |
| Zinc      | ND     |           | 0.010  | 0.0015  | mg/L |   | 06/23/21 08:43 | 06/24/21 00:08 | 1       |

## Method: 7470A - Mercury (CVAA)

| Analyte | Result | Qualifier | RL      | MDL      | Unit | D | Prepared       | Analyzed       | Dil Fac |
|---------|--------|-----------|---------|----------|------|---|----------------|----------------|---------|
| Mercury | ND     |           | 0.00020 | 0.000043 | mg/L |   | 06/25/21 14:02 | 06/25/21 18:02 | 1       |

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# Lab Chronicle

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

**Client Sample ID: SS-64-0002**

**Lab Sample ID: 480-186319-1**

**Date Collected: 06/21/21 07:40**

**Matrix: Solid**

**Date Received: 06/21/21 16:14**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | Moisture     |     | 1               | 586473       | 06/22/21 16:06       | JMM     | TAL BUF |

**Client Sample ID: SS-64-0002**

**Lab Sample ID: 480-186319-1**

**Date Collected: 06/21/21 07:40**

**Matrix: Solid**

**Date Received: 06/21/21 16:14**

**Percent Solids: 60.4**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 3550C        |     |                 | 587259       | 06/28/21 15:04       | ATG     | TAL BUF |
| Total/NA  | Analysis   | 8270D        |     | 1               | 587654       | 06/30/21 19:49       | PJQ     | TAL BUF |
| Total/NA  | Prep       | 3550C        |     |                 | 587164       | 06/28/21 07:45       | VXF     | TAL BUF |
| Total/NA  | Analysis   | 8081B        |     | 1               | 587348       | 06/29/21 15:27       | JLS     | TAL BUF |
| Total/NA  | Prep       | 3550C        |     |                 | 587118       | 06/26/21 11:52       | VXF     | TAL BUF |
| Total/NA  | Analysis   | 8082A        |     | 1               | 587147       | 06/28/21 02:35       | NC      | TAL BUF |
| Total/NA  | Prep       | 3050B        |     |                 | 586594       | 06/23/21 10:16       | ADM     | TAL BUF |
| Total/NA  | Analysis   | 6010C        |     | 1               | 586985       | 06/25/21 00:15       | LMH     | TAL BUF |
| Total/NA  | Prep       | 7471B        |     |                 | 586638       | 06/23/21 16:00       | BMB     | TAL BUF |
| Total/NA  | Analysis   | 7471B        |     | 1               | 586705       | 06/23/21 18:36       | BMB     | TAL BUF |

**Client Sample ID: SS-62-0212**

**Lab Sample ID: 480-186319-2**

**Date Collected: 06/21/21 11:25**

**Matrix: Solid**

**Date Received: 06/21/21 16:14**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | Moisture     |     | 1               | 586473       | 06/22/21 16:06       | JMM     | TAL BUF |

**Client Sample ID: SS-62-0212**

**Lab Sample ID: 480-186319-2**

**Date Collected: 06/21/21 11:25**

**Matrix: Solid**

**Date Received: 06/21/21 16:14**

**Percent Solids: 94.6**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 3550C        |     |                 | 587259       | 06/28/21 15:04       | ATG     | TAL BUF |
| Total/NA  | Analysis   | 8270D        |     | 1               | 587654       | 06/30/21 20:12       | PJQ     | TAL BUF |
| Total/NA  | Prep       | 3550C        |     |                 | 587164       | 06/28/21 07:45       | VXF     | TAL BUF |
| Total/NA  | Analysis   | 8081B        |     | 20              | 587348       | 06/29/21 15:47       | JLS     | TAL BUF |
| Total/NA  | Prep       | 3550C        |     |                 | 587118       | 06/26/21 11:52       | VXF     | TAL BUF |
| Total/NA  | Analysis   | 8082A        |     | 1               | 587147       | 06/28/21 02:48       | NC      | TAL BUF |
| Total/NA  | Prep       | 3050B        |     |                 | 586594       | 06/23/21 10:16       | ADM     | TAL BUF |
| Total/NA  | Analysis   | 6010C        |     | 1               | 586985       | 06/25/21 00:19       | LMH     | TAL BUF |
| Total/NA  | Prep       | 3050B        |     |                 | 586594       | 06/23/21 10:16       | ADM     | TAL BUF |
| Total/NA  | Analysis   | 6010C        |     | 2               | 587199       | 06/25/21 15:51       | LMH     | TAL BUF |
| Total/NA  | Prep       | 7471B        |     |                 | 586638       | 06/23/21 16:00       | BMB     | TAL BUF |
| Total/NA  | Analysis   | 7471B        |     | 1               | 586705       | 06/23/21 18:37       | BMB     | TAL BUF |

# Lab Chronicle

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

**Client Sample ID: SS-01-0002**

**Lab Sample ID: 480-186319-3**

**Date Collected: 06/21/21 09:30**

**Matrix: Solid**

**Date Received: 06/21/21 16:14**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | Moisture     |     | 1               | 586473       | 06/22/21 16:06       | JMM     | TAL BUF |

**Client Sample ID: SS-01-0002**

**Lab Sample ID: 480-186319-3**

**Date Collected: 06/21/21 09:30**

**Matrix: Solid**

**Date Received: 06/21/21 16:14**

**Percent Solids: 72.6**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 3550C        |     |                 | 587259       | 06/28/21 15:04       | ATG     | TAL BUF |
| Total/NA  | Analysis   | 8270D        |     | 1               | 587654       | 06/30/21 20:36       | PJQ     | TAL BUF |
| Total/NA  | Prep       | 3550C        |     |                 | 587164       | 06/28/21 07:45       | VXF     | TAL BUF |
| Total/NA  | Analysis   | 8081B        |     | 1               | 587348       | 06/29/21 16:06       | JLS     | TAL BUF |
| Total/NA  | Prep       | 3550C        |     |                 | 587118       | 06/26/21 11:52       | VXF     | TAL BUF |
| Total/NA  | Analysis   | 8082A        |     | 1               | 587147       | 06/28/21 03:01       | NC      | TAL BUF |
| Total/NA  | Prep       | 3050B        |     |                 | 586594       | 06/23/21 10:16       | ADM     | TAL BUF |
| Total/NA  | Analysis   | 6010C        |     | 1               | 586985       | 06/25/21 00:23       | LMH     | TAL BUF |
| Total/NA  | Prep       | 7471B        |     |                 | 586638       | 06/23/21 16:00       | BMB     | TAL BUF |
| Total/NA  | Analysis   | 7471B        |     | 1               | 586705       | 06/23/21 18:42       | BMB     | TAL BUF |

**Client Sample ID: SS-01-0212**

**Lab Sample ID: 480-186319-4**

**Date Collected: 06/21/21 09:35**

**Matrix: Solid**

**Date Received: 06/21/21 16:14**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | Moisture     |     | 1               | 586473       | 06/22/21 16:06       | JMM     | TAL BUF |

**Client Sample ID: SS-01-0212**

**Lab Sample ID: 480-186319-4**

**Date Collected: 06/21/21 09:35**

**Matrix: Solid**

**Date Received: 06/21/21 16:14**

**Percent Solids: 82.6**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 3550C        |     |                 | 587259       | 06/28/21 15:04       | ATG     | TAL BUF |
| Total/NA  | Analysis   | 8270D        |     | 1               | 587654       | 06/30/21 21:00       | PJQ     | TAL BUF |
| Total/NA  | Prep       | 3550C        |     |                 | 587164       | 06/28/21 07:45       | VXF     | TAL BUF |
| Total/NA  | Analysis   | 8081B        |     | 1               | 587348       | 06/29/21 16:26       | JLS     | TAL BUF |
| Total/NA  | Prep       | 3550C        |     |                 | 587118       | 06/26/21 11:52       | VXF     | TAL BUF |
| Total/NA  | Analysis   | 8082A        |     | 1               | 587147       | 06/28/21 03:13       | NC      | TAL BUF |
| Total/NA  | Prep       | 3050B        |     |                 | 586594       | 06/23/21 10:16       | ADM     | TAL BUF |
| Total/NA  | Analysis   | 6010C        |     | 1               | 586985       | 06/25/21 00:27       | LMH     | TAL BUF |
| Total/NA  | Prep       | 7471B        |     |                 | 586638       | 06/23/21 16:00       | BMB     | TAL BUF |
| Total/NA  | Analysis   | 7471B        |     | 1               | 586705       | 06/23/21 18:44       | BMB     | TAL BUF |

# Lab Chronicle

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

**Client Sample ID: SS-02-0002**

**Lab Sample ID: 480-186319-5**

**Date Collected: 06/21/21 09:50**

**Matrix: Solid**

**Date Received: 06/21/21 16:14**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | Moisture     |     | 1               | 586473       | 06/22/21 16:06       | JMM     | TAL BUF |

**Client Sample ID: SS-02-0002**

**Lab Sample ID: 480-186319-5**

**Date Collected: 06/21/21 09:50**

**Matrix: Solid**

**Date Received: 06/21/21 16:14**

**Percent Solids: 71.6**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 3550C        |     |                 | 587259       | 06/28/21 15:04       | ATG     | TAL BUF |
| Total/NA  | Analysis   | 8270D        |     | 5               | 587654       | 06/30/21 21:25       | PJQ     | TAL BUF |
| Total/NA  | Prep       | 3550C        |     |                 | 587164       | 06/28/21 07:45       | VXF     | TAL BUF |
| Total/NA  | Analysis   | 8081B        |     | 1               | 587348       | 06/29/21 16:46       | JLS     | TAL BUF |
| Total/NA  | Prep       | 3550C        |     |                 | 587118       | 06/26/21 11:52       | VXF     | TAL BUF |
| Total/NA  | Analysis   | 8082A        |     | 1               | 587147       | 06/28/21 03:26       | NC      | TAL BUF |

**Client Sample ID: SS-02-0212**

**Lab Sample ID: 480-186319-6**

**Date Collected: 06/21/21 09:55**

**Matrix: Solid**

**Date Received: 06/21/21 16:14**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | Moisture     |     | 1               | 586473       | 06/22/21 16:06       | JMM     | TAL BUF |

**Client Sample ID: SS-02-0212**

**Lab Sample ID: 480-186319-6**

**Date Collected: 06/21/21 09:55**

**Matrix: Solid**

**Date Received: 06/21/21 16:14**

**Percent Solids: 80.7**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 3550C        |     |                 | 587259       | 06/28/21 15:04       | ATG     | TAL BUF |
| Total/NA  | Analysis   | 8270D        |     | 1               | 587654       | 06/30/21 21:49       | PJQ     | TAL BUF |
| Total/NA  | Prep       | 3550C        |     |                 | 587164       | 06/28/21 07:45       | VXF     | TAL BUF |
| Total/NA  | Analysis   | 8081B        |     | 1               | 587348       | 06/29/21 17:05       | JLS     | TAL BUF |
| Total/NA  | Prep       | 3550C        |     |                 | 587118       | 06/26/21 11:52       | VXF     | TAL BUF |
| Total/NA  | Analysis   | 8082A        |     | 1               | 587147       | 06/28/21 03:39       | NC      | TAL BUF |
| Total/NA  | Prep       | 3050B        |     |                 | 586594       | 06/23/21 10:16       | ADM     | TAL BUF |
| Total/NA  | Analysis   | 6010C        |     | 1               | 586985       | 06/25/21 00:31       | LMH     | TAL BUF |
| Total/NA  | Prep       | 7471B        |     |                 | 586638       | 06/23/21 16:00       | BMB     | TAL BUF |
| Total/NA  | Analysis   | 7471B        |     | 1               | 586705       | 06/23/21 18:47       | BMB     | TAL BUF |

**Client Sample ID: SS-03-0002**

**Lab Sample ID: 480-186319-7**

**Date Collected: 06/21/21 10:25**

**Matrix: Solid**

**Date Received: 06/21/21 16:14**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | Moisture     |     | 1               | 586473       | 06/22/21 16:06       | JMM     | TAL BUF |

# Lab Chronicle

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

**Client Sample ID: SS-03-0002**

**Lab Sample ID: 480-186319-7**

**Date Collected: 06/21/21 10:25**

**Matrix: Solid**

**Date Received: 06/21/21 16:14**

**Percent Solids: 72.3**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 3550C        |     |                 | 587259       | 06/28/21 15:04       | ATG     | TAL BUF |
| Total/NA  | Analysis   | 8270D        |     | 1               | 587654       | 06/30/21 22:13       | PJQ     | TAL BUF |
| Total/NA  | Prep       | 3550C        |     |                 | 587164       | 06/28/21 07:45       | VXF     | TAL BUF |
| Total/NA  | Analysis   | 8081B        |     | 1               | 587348       | 06/29/21 17:25       | JLS     | TAL BUF |
| Total/NA  | Prep       | 3550C        |     |                 | 587118       | 06/26/21 11:52       | VXF     | TAL BUF |
| Total/NA  | Analysis   | 8082A        |     | 1               | 587147       | 06/28/21 03:52       | NC      | TAL BUF |
| Total/NA  | Prep       | 3050B        |     |                 | 586594       | 06/23/21 10:16       | ADM     | TAL BUF |
| Total/NA  | Analysis   | 6010C        |     | 1               | 586985       | 06/25/21 00:35       | LMH     | TAL BUF |
| Total/NA  | Prep       | 7471B        |     |                 | 586638       | 06/23/21 16:00       | BMB     | TAL BUF |
| Total/NA  | Analysis   | 7471B        |     | 1               | 586705       | 06/23/21 18:49       | BMB     | TAL BUF |

**Client Sample ID: SS-03-0212**

**Lab Sample ID: 480-186319-8**

**Date Collected: 06/21/21 10:30**

**Matrix: Solid**

**Date Received: 06/21/21 16:14**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | Moisture     |     | 1               | 586473       | 06/22/21 16:06       | JMM     | TAL BUF |

**Client Sample ID: SS-03-0212**

**Lab Sample ID: 480-186319-8**

**Date Collected: 06/21/21 10:30**

**Matrix: Solid**

**Date Received: 06/21/21 16:14**

**Percent Solids: 83.9**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 3550C        |     |                 | 587259       | 06/28/21 15:04       | ATG     | TAL BUF |
| Total/NA  | Analysis   | 8270D        |     | 1               | 587654       | 06/30/21 22:36       | PJQ     | TAL BUF |
| Total/NA  | Prep       | 3550C        |     |                 | 587164       | 06/28/21 07:45       | VXF     | TAL BUF |
| Total/NA  | Analysis   | 8081B        |     | 1               | 587348       | 06/29/21 17:44       | JLS     | TAL BUF |
| Total/NA  | Prep       | 3550C        |     |                 | 587118       | 06/26/21 11:52       | VXF     | TAL BUF |
| Total/NA  | Analysis   | 8082A        |     | 1               | 587147       | 06/28/21 04:05       | NC      | TAL BUF |
| Total/NA  | Prep       | 3050B        |     |                 | 586594       | 06/23/21 10:16       | ADM     | TAL BUF |
| Total/NA  | Analysis   | 6010C        |     | 1               | 586985       | 06/25/21 00:39       | LMH     | TAL BUF |
| Total/NA  | Prep       | 7471B        |     |                 | 586638       | 06/23/21 16:00       | BMB     | TAL BUF |
| Total/NA  | Analysis   | 7471B        |     | 1               | 586705       | 06/23/21 18:50       | BMB     | TAL BUF |

**Client Sample ID: SS-09-0002**

**Lab Sample ID: 480-186319-9**

**Date Collected: 06/21/21 09:10**

**Matrix: Solid**

**Date Received: 06/21/21 16:14**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | Moisture     |     | 1               | 586473       | 06/22/21 16:06       | JMM     | TAL BUF |

# Lab Chronicle

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

**Client Sample ID: SS-09-0002**

**Lab Sample ID: 480-186319-9**

**Date Collected: 06/21/21 09:10**

**Matrix: Solid**

**Date Received: 06/21/21 16:14**

**Percent Solids: 74.1**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 3550C        |     |                 | 587259       | 06/28/21 15:04       | ATG     | TAL BUF |
| Total/NA  | Analysis   | 8270D        |     | 1               | 587654       | 06/30/21 23:00       | PJQ     | TAL BUF |
| Total/NA  | Prep       | 3550C        |     |                 | 587164       | 06/28/21 07:45       | VXF     | TAL BUF |
| Total/NA  | Analysis   | 8081B        |     | 1               | 587348       | 06/29/21 18:04       | JLS     | TAL BUF |
| Total/NA  | Prep       | 3550C        |     |                 | 587118       | 06/26/21 11:52       | VXF     | TAL BUF |
| Total/NA  | Analysis   | 8082A        |     | 1               | 587147       | 06/28/21 04:18       | NC      | TAL BUF |
| Total/NA  | Prep       | 3050B        |     |                 | 586594       | 06/23/21 10:16       | ADM     | TAL BUF |
| Total/NA  | Analysis   | 6010C        |     | 1               | 586985       | 06/25/21 00:43       | LMH     | TAL BUF |
| Total/NA  | Prep       | 7471B        |     |                 | 586638       | 06/23/21 16:00       | BMB     | TAL BUF |
| Total/NA  | Analysis   | 7471B        |     | 1               | 586705       | 06/23/21 18:51       | BMB     | TAL BUF |

**Client Sample ID: SS-09-0212**

**Lab Sample ID: 480-186319-10**

**Date Collected: 06/21/21 09:15**

**Matrix: Solid**

**Date Received: 06/21/21 16:14**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | Moisture     |     | 1               | 586473       | 06/22/21 16:06       | JMM     | TAL BUF |

**Client Sample ID: SS-09-0212**

**Lab Sample ID: 480-186319-10**

**Date Collected: 06/21/21 09:15**

**Matrix: Solid**

**Date Received: 06/21/21 16:14**

**Percent Solids: 82.5**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 3550C        |     |                 | 587976       | 07/02/21 15:19       | ATG     | TAL BUF |
| Total/NA  | Analysis   | 8270D        |     | 1               | 588085       | 07/06/21 11:57       | JMM     | TAL BUF |
| Total/NA  | Prep       | 3550C        |     |                 | 587164       | 06/28/21 07:45       | VXF     | TAL BUF |
| Total/NA  | Analysis   | 8081B        |     | 1               | 587348       | 06/29/21 18:23       | JLS     | TAL BUF |
| Total/NA  | Prep       | 3550C        |     |                 | 587118       | 06/26/21 11:52       | VXF     | TAL BUF |
| Total/NA  | Analysis   | 8082A        |     | 1               | 587147       | 06/28/21 04:30       | NC      | TAL BUF |
| Total/NA  | Prep       | 3050B        |     |                 | 586594       | 06/23/21 10:16       | ADM     | TAL BUF |
| Total/NA  | Analysis   | 6010C        |     | 1               | 586985       | 06/25/21 00:47       | LMH     | TAL BUF |
| Total/NA  | Prep       | 7471B        |     |                 | 586638       | 06/23/21 16:00       | BMB     | TAL BUF |
| Total/NA  | Analysis   | 7471B        |     | 1               | 586705       | 06/23/21 18:53       | BMB     | TAL BUF |

**Client Sample ID: SS-10-0002**

**Lab Sample ID: 480-186319-11**

**Date Collected: 06/21/21 10:55**

**Matrix: Solid**

**Date Received: 06/21/21 16:14**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | Moisture     |     | 1               | 586473       | 06/22/21 16:06       | JMM     | TAL BUF |

# Lab Chronicle

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

**Client Sample ID: SS-10-0002**

**Lab Sample ID: 480-186319-11**

**Date Collected: 06/21/21 10:55**

**Matrix: Solid**

**Date Received: 06/21/21 16:14**

**Percent Solids: 68.0**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 3550C        |     |                 | 587976       | 07/02/21 15:19       | ATG     | TAL BUF |
| Total/NA  | Analysis   | 8270D        |     | 1               | 588085       | 07/06/21 12:21       | JMM     | TAL BUF |
| Total/NA  | Prep       | 3550C        |     |                 | 587164       | 06/28/21 07:45       | VXF     | TAL BUF |
| Total/NA  | Analysis   | 8081B        |     | 1               | 587348       | 06/29/21 18:43       | JLS     | TAL BUF |
| Total/NA  | Prep       | 3550C        |     |                 | 587118       | 06/26/21 11:52       | VXF     | TAL BUF |
| Total/NA  | Analysis   | 8082A        |     | 1               | 587147       | 06/28/21 04:43       | NC      | TAL BUF |
| Total/NA  | Prep       | 3050B        |     |                 | 586594       | 06/23/21 10:16       | ADM     | TAL BUF |
| Total/NA  | Analysis   | 6010C        |     | 1               | 586985       | 06/25/21 01:02       | LMH     | TAL BUF |
| Total/NA  | Prep       | 7471B        |     |                 | 586638       | 06/23/21 16:00       | BMB     | TAL BUF |
| Total/NA  | Analysis   | 7471B        |     | 1               | 586705       | 06/23/21 18:54       | BMB     | TAL BUF |

**Client Sample ID: SS-10-0212**

**Lab Sample ID: 480-186319-12**

**Date Collected: 06/21/21 11:00**

**Matrix: Solid**

**Date Received: 06/21/21 16:14**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | Moisture     |     | 1               | 586473       | 06/22/21 16:06       | JMM     | TAL BUF |

**Client Sample ID: SS-10-0212**

**Lab Sample ID: 480-186319-12**

**Date Collected: 06/21/21 11:00**

**Matrix: Solid**

**Date Received: 06/21/21 16:14**

**Percent Solids: 77.4**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 3550C        |     |                 | 587259       | 06/28/21 15:04       | ATG     | TAL BUF |
| Total/NA  | Analysis   | 8270D        |     | 1               | 587654       | 07/01/21 00:11       | PJQ     | TAL BUF |
| Total/NA  | Prep       | 3550C        |     |                 | 587164       | 06/28/21 07:45       | VXF     | TAL BUF |
| Total/NA  | Analysis   | 8081B        |     | 1               | 587348       | 06/29/21 19:02       | JLS     | TAL BUF |
| Total/NA  | Prep       | 3550C        |     |                 | 587118       | 06/26/21 11:52       | VXF     | TAL BUF |
| Total/NA  | Analysis   | 8082A        |     | 1               | 587147       | 06/28/21 04:56       | NC      | TAL BUF |
| Total/NA  | Prep       | 3050B        |     |                 | 586594       | 06/23/21 10:16       | ADM     | TAL BUF |
| Total/NA  | Analysis   | 6010C        |     | 1               | 586985       | 06/25/21 01:06       | LMH     | TAL BUF |
| Total/NA  | Prep       | 7471B        |     |                 | 586638       | 06/23/21 16:00       | BMB     | TAL BUF |
| Total/NA  | Analysis   | 7471B        |     | 1               | 586705       | 06/23/21 18:55       | BMB     | TAL BUF |

**Client Sample ID: SS-11-0002**

**Lab Sample ID: 480-186319-13**

**Date Collected: 06/21/21 10:40**

**Matrix: Solid**

**Date Received: 06/21/21 16:14**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | Moisture     |     | 1               | 586473       | 06/22/21 16:06       | JMM     | TAL BUF |



# Lab Chronicle

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

**Client Sample ID: SS-11-0002**

**Lab Sample ID: 480-186319-13**

**Date Collected: 06/21/21 10:40**

**Matrix: Solid**

**Date Received: 06/21/21 16:14**

**Percent Solids: 78.5**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 3550C        |     |                 | 587259       | 06/28/21 15:04       | ATG     | TAL BUF |
| Total/NA  | Analysis   | 8270D        |     | 1               | 587654       | 07/01/21 00:35       | PJQ     | TAL BUF |
| Total/NA  | Prep       | 3550C        |     |                 | 587164       | 06/28/21 07:45       | VXF     | TAL BUF |
| Total/NA  | Analysis   | 8081B        |     | 1               | 587348       | 06/29/21 19:22       | JLS     | TAL BUF |
| Total/NA  | Prep       | 3550C        |     |                 | 587331       | 06/29/21 08:04       | VXF     | TAL BUF |
| Total/NA  | Analysis   | 8082A        |     | 1               | 587439       | 06/30/21 03:54       | W1T     | TAL BUF |
| Total/NA  | Prep       | 3050B        |     |                 | 586594       | 06/23/21 10:16       | ADM     | TAL BUF |
| Total/NA  | Analysis   | 6010C        |     | 1               | 586985       | 06/25/21 01:10       | LMH     | TAL BUF |
| Total/NA  | Prep       | 7471B        |     |                 | 586638       | 06/23/21 16:00       | BMB     | TAL BUF |
| Total/NA  | Analysis   | 7471B        |     | 1               | 586705       | 06/23/21 18:57       | BMB     | TAL BUF |

**Client Sample ID: SS-11-0212**

**Lab Sample ID: 480-186319-14**

**Date Collected: 06/21/21 10:45**

**Matrix: Solid**

**Date Received: 06/21/21 16:14**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | Moisture     |     | 1               | 586473       | 06/22/21 16:06       | JMM     | TAL BUF |

**Client Sample ID: SS-11-0212**

**Lab Sample ID: 480-186319-14**

**Date Collected: 06/21/21 10:45**

**Matrix: Solid**

**Date Received: 06/21/21 16:14**

**Percent Solids: 86.7**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 3550C        |     |                 | 587259       | 06/28/21 15:04       | ATG     | TAL BUF |
| Total/NA  | Analysis   | 8270D        |     | 1               | 587654       | 07/01/21 00:59       | PJQ     | TAL BUF |
| Total/NA  | Prep       | 3550C        |     |                 | 587164       | 06/28/21 07:45       | VXF     | TAL BUF |
| Total/NA  | Analysis   | 8081B        |     | 1               | 587348       | 06/29/21 19:41       | JLS     | TAL BUF |
| Total/NA  | Prep       | 3550C        |     |                 | 587331       | 06/29/21 08:04       | VXF     | TAL BUF |
| Total/NA  | Analysis   | 8082A        |     | 1               | 587439       | 06/30/21 04:07       | W1T     | TAL BUF |
| Total/NA  | Prep       | 3050B        |     |                 | 586594       | 06/23/21 10:16       | ADM     | TAL BUF |
| Total/NA  | Analysis   | 6010C        |     | 1               | 586985       | 06/25/21 01:14       | LMH     | TAL BUF |
| Total/NA  | Prep       | 7471B        |     |                 | 586638       | 06/23/21 16:00       | BMB     | TAL BUF |
| Total/NA  | Analysis   | 7471B        |     | 1               | 586705       | 06/23/21 18:58       | BMB     | TAL BUF |

**Client Sample ID: SS-12-0002**

**Lab Sample ID: 480-186319-15**

**Date Collected: 06/21/21 11:05**

**Matrix: Solid**

**Date Received: 06/21/21 16:14**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | Moisture     |     | 1               | 586473       | 06/22/21 16:06       | JMM     | TAL BUF |

# Lab Chronicle

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

**Client Sample ID: SS-12-0002**

**Lab Sample ID: 480-186319-15**

**Date Collected: 06/21/21 11:05**

**Matrix: Solid**

**Date Received: 06/21/21 16:14**

**Percent Solids: 71.0**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 3550C        |     |                 | 587259       | 06/28/21 15:04       | ATG     | TAL BUF |
| Total/NA  | Analysis   | 8270D        |     | 1               | 587654       | 06/30/21 19:25       | PJQ     | TAL BUF |
| Total/NA  | Prep       | 3550C        |     |                 | 587164       | 06/28/21 07:45       | VXF     | TAL BUF |
| Total/NA  | Analysis   | 8081B        |     | 20              | 587348       | 06/29/21 15:08       | JLS     | TAL BUF |
| Total/NA  | Prep       | 3550C        |     |                 | 587331       | 06/29/21 08:04       | VXF     | TAL BUF |
| Total/NA  | Analysis   | 8082A        |     | 1               | 587439       | 06/30/21 02:37       | W1T     | TAL BUF |
| Total/NA  | Prep       | 3050B        |     |                 | 586594       | 06/23/21 10:16       | ADM     | TAL BUF |
| Total/NA  | Analysis   | 6010C        |     | 1               | 586985       | 06/25/21 01:18       | LMH     | TAL BUF |
| Total/NA  | Prep       | 7471B        |     |                 | 586638       | 06/23/21 16:00       | BMB     | TAL BUF |
| Total/NA  | Analysis   | 7471B        |     | 1               | 586705       | 06/23/21 18:59       | BMB     | TAL BUF |

**Client Sample ID: SS-12-0212**

**Lab Sample ID: 480-186319-16**

**Date Collected: 06/21/21 11:10**

**Matrix: Solid**

**Date Received: 06/21/21 16:14**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | Moisture     |     | 1               | 586473       | 06/22/21 16:06       | JMM     | TAL BUF |

**Client Sample ID: SS-12-0212**

**Lab Sample ID: 480-186319-16**

**Date Collected: 06/21/21 11:10**

**Matrix: Solid**

**Date Received: 06/21/21 16:14**

**Percent Solids: 71.7**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 3550C        |     |                 | 587259       | 06/28/21 15:04       | ATG     | TAL BUF |
| Total/NA  | Analysis   | 8270D        |     | 1               | 587654       | 07/01/21 01:23       | PJQ     | TAL BUF |
| Total/NA  | Prep       | 3550C        |     |                 | 587164       | 06/28/21 07:45       | VXF     | TAL BUF |
| Total/NA  | Analysis   | 8081B        |     | 5               | 587348       | 06/29/21 20:01       | JLS     | TAL BUF |
| Total/NA  | Prep       | 3550C        |     |                 | 587331       | 06/29/21 08:04       | VXF     | TAL BUF |
| Total/NA  | Analysis   | 8082A        |     | 1               | 587439       | 06/30/21 04:20       | W1T     | TAL BUF |
| Total/NA  | Prep       | 3050B        |     |                 | 586594       | 06/23/21 10:16       | ADM     | TAL BUF |
| Total/NA  | Analysis   | 6010C        |     | 1               | 586985       | 06/25/21 01:49       | LMH     | TAL BUF |
| Total/NA  | Prep       | 7471B        |     |                 | 586883       | 06/24/21 17:36       | BMB     | TAL BUF |
| Total/NA  | Analysis   | 7471B        |     | 1               | 586916       | 06/24/21 19:05       | BMB     | TAL BUF |

**Client Sample ID: SS-14-0002**

**Lab Sample ID: 480-186319-17**

**Date Collected: 06/21/21 08:40**

**Matrix: Solid**

**Date Received: 06/21/21 16:14**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | Moisture     |     | 1               | 586473       | 06/22/21 16:06       | JMM     | TAL BUF |

# Lab Chronicle

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

**Client Sample ID: SS-14-0002**

**Lab Sample ID: 480-186319-17**

**Date Collected: 06/21/21 08:40**

**Matrix: Solid**

**Date Received: 06/21/21 16:14**

**Percent Solids: 58.8**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 3550C        |     |                 | 587259       | 06/28/21 15:04       | ATG     | TAL BUF |
| Total/NA  | Analysis   | 8270D        |     | 1               | 587654       | 07/01/21 01:47       | PJQ     | TAL BUF |
| Total/NA  | Prep       | 3550C        |     |                 | 587164       | 06/28/21 07:45       | VXF     | TAL BUF |
| Total/NA  | Analysis   | 8081B        |     | 5               | 587348       | 06/29/21 20:40       | JLS     | TAL BUF |
| Total/NA  | Prep       | 3550C        |     |                 | 587331       | 06/29/21 08:04       | VXF     | TAL BUF |
| Total/NA  | Analysis   | 8082A        |     | 1               | 587439       | 06/30/21 04:32       | W1T     | TAL BUF |
| Total/NA  | Prep       | 3050B        |     |                 | 586594       | 06/23/21 10:16       | ADM     | TAL BUF |
| Total/NA  | Analysis   | 6010C        |     | 1               | 586985       | 06/25/21 01:52       | LMH     | TAL BUF |
| Total/NA  | Prep       | 7471B        |     |                 | 586883       | 06/24/21 17:36       | BMB     | TAL BUF |
| Total/NA  | Analysis   | 7471B        |     | 1               | 586916       | 06/24/21 19:07       | BMB     | TAL BUF |

**Client Sample ID: SS-14-0212**

**Lab Sample ID: 480-186319-18**

**Date Collected: 06/21/21 08:47**

**Matrix: Solid**

**Date Received: 06/21/21 16:14**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | Moisture     |     | 1               | 586473       | 06/22/21 16:06       | JMM     | TAL BUF |

**Client Sample ID: SS-14-0212**

**Lab Sample ID: 480-186319-18**

**Date Collected: 06/21/21 08:47**

**Matrix: Solid**

**Date Received: 06/21/21 16:14**

**Percent Solids: 83.0**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 3550C        |     |                 | 587259       | 06/28/21 15:04       | ATG     | TAL BUF |
| Total/NA  | Analysis   | 8270D        |     | 1               | 587654       | 07/01/21 02:11       | PJQ     | TAL BUF |
| Total/NA  | Prep       | 3550C        |     |                 | 587164       | 06/28/21 07:45       | VXF     | TAL BUF |
| Total/NA  | Analysis   | 8081B        |     | 1               | 587348       | 06/29/21 20:59       | JLS     | TAL BUF |
| Total/NA  | Prep       | 3550C        |     |                 | 587331       | 06/29/21 08:04       | VXF     | TAL BUF |
| Total/NA  | Analysis   | 8082A        |     | 1               | 587439       | 06/30/21 05:11       | W1T     | TAL BUF |
| Total/NA  | Prep       | 3050B        |     |                 | 586594       | 06/23/21 10:16       | ADM     | TAL BUF |
| Total/NA  | Analysis   | 6010C        |     | 1               | 586985       | 06/25/21 01:56       | LMH     | TAL BUF |
| Total/NA  | Prep       | 7471B        |     |                 | 586883       | 06/24/21 17:36       | BMB     | TAL BUF |
| Total/NA  | Analysis   | 7471B        |     | 1               | 586916       | 06/24/21 19:08       | BMB     | TAL BUF |

**Client Sample ID: SS-15-0002**

**Lab Sample ID: 480-186319-19**

**Date Collected: 06/21/21 12:05**

**Matrix: Solid**

**Date Received: 06/21/21 16:14**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | Moisture     |     | 1               | 586473       | 06/22/21 16:06       | JMM     | TAL BUF |

# Lab Chronicle

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

**Client Sample ID: SS-15-0002**

**Lab Sample ID: 480-186319-19**

**Date Collected: 06/21/21 12:05**

**Matrix: Solid**

**Date Received: 06/21/21 16:14**

**Percent Solids: 61.3**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 3550C        |     |                 | 587259       | 06/28/21 15:04       | ATG     | TAL BUF |
| Total/NA  | Analysis   | 8270D        |     | 1               | 587654       | 07/01/21 02:35       | PJQ     | TAL BUF |
| Total/NA  | Prep       | 3550C        |     |                 | 587164       | 06/28/21 07:45       | VXF     | TAL BUF |
| Total/NA  | Analysis   | 8081B        |     | 5               | 587348       | 06/29/21 21:19       | JLS     | TAL BUF |
| Total/NA  | Prep       | 3550C        |     |                 | 587331       | 06/29/21 08:04       | VXF     | TAL BUF |
| Total/NA  | Analysis   | 8082A        |     | 1               | 587439       | 06/30/21 05:24       | W1T     | TAL BUF |
| Total/NA  | Prep       | 3050B        |     |                 | 586594       | 06/23/21 10:16       | ADM     | TAL BUF |
| Total/NA  | Analysis   | 6010C        |     | 1               | 586985       | 06/25/21 02:00       | LMH     | TAL BUF |
| Total/NA  | Prep       | 7471B        |     |                 | 586883       | 06/24/21 17:36       | BMB     | TAL BUF |
| Total/NA  | Analysis   | 7471B        |     | 1               | 586916       | 06/24/21 19:12       | BMB     | TAL BUF |

**Client Sample ID: SS-15-0212**

**Lab Sample ID: 480-186319-20**

**Date Collected: 06/21/21 12:10**

**Matrix: Solid**

**Date Received: 06/21/21 16:14**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | Moisture     |     | 1               | 586473       | 06/22/21 16:06       | JMM     | TAL BUF |

**Client Sample ID: SS-15-0212**

**Lab Sample ID: 480-186319-20**

**Date Collected: 06/21/21 12:10**

**Matrix: Solid**

**Date Received: 06/21/21 16:14**

**Percent Solids: 84.9**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 3550C        |     |                 | 587259       | 06/28/21 15:04       | ATG     | TAL BUF |
| Total/NA  | Analysis   | 8270D        |     | 1               | 587654       | 07/01/21 02:58       | PJQ     | TAL BUF |
| Total/NA  | Prep       | 3550C        |     |                 | 587164       | 06/28/21 07:45       | VXF     | TAL BUF |
| Total/NA  | Analysis   | 8081B        |     | 1               | 587348       | 06/29/21 21:39       | JLS     | TAL BUF |
| Total/NA  | Prep       | 3550C        |     |                 | 587331       | 06/29/21 08:04       | VXF     | TAL BUF |
| Total/NA  | Analysis   | 8082A        |     | 1               | 587439       | 06/30/21 05:37       | W1T     | TAL BUF |
| Total/NA  | Prep       | 3050B        |     |                 | 586594       | 06/23/21 10:16       | ADM     | TAL BUF |
| Total/NA  | Analysis   | 6010C        |     | 1               | 586985       | 06/25/21 02:04       | LMH     | TAL BUF |
| Total/NA  | Prep       | 7471B        |     |                 | 586883       | 06/24/21 17:36       | BMB     | TAL BUF |
| Total/NA  | Analysis   | 7471B        |     | 1               | 586916       | 06/24/21 19:13       | BMB     | TAL BUF |

**Client Sample ID: SS-16-0002**

**Lab Sample ID: 480-186319-21**

**Date Collected: 06/21/21 12:15**

**Matrix: Solid**

**Date Received: 06/21/21 16:14**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | Moisture     |     | 1               | 586473       | 06/22/21 16:06       | JMM     | TAL BUF |

# Lab Chronicle

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

**Client Sample ID: SS-16-0002**

**Lab Sample ID: 480-186319-21**

**Date Collected: 06/21/21 12:15**

**Matrix: Solid**

**Date Received: 06/21/21 16:14**

**Percent Solids: 71.8**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 3550C        |     |                 | 587467       | 06/29/21 15:10       | ATG     | TAL BUF |
| Total/NA  | Analysis   | 8270D        |     | 5               | 587813       | 07/01/21 18:30       | PJQ     | TAL BUF |
| Total/NA  | Prep       | 3550C        |     |                 | 587260       | 06/28/21 15:10       | ATG     | TAL BUF |
| Total/NA  | Analysis   | 8081B        |     | 1               | 587356       | 06/29/21 16:10       | JLS     | TAL BUF |
| Total/NA  | Prep       | 3550C        |     |                 | 587331       | 06/29/21 08:04       | VXF     | TAL BUF |
| Total/NA  | Analysis   | 8082A        |     | 1               | 587439       | 06/30/21 05:49       | W1T     | TAL BUF |
| Total/NA  | Prep       | 3050B        |     |                 | 586594       | 06/23/21 10:16       | ADM     | TAL BUF |
| Total/NA  | Analysis   | 6010C        |     | 1               | 586985       | 06/25/21 02:08       | LMH     | TAL BUF |
| Total/NA  | Prep       | 7471B        |     |                 | 586883       | 06/24/21 17:36       | BMB     | TAL BUF |
| Total/NA  | Analysis   | 7471B        |     | 1               | 586916       | 06/24/21 19:15       | BMB     | TAL BUF |

**Client Sample ID: SS-16-0212**

**Lab Sample ID: 480-186319-22**

**Date Collected: 06/21/21 12:20**

**Matrix: Solid**

**Date Received: 06/21/21 16:14**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | Moisture     |     | 1               | 586473       | 06/22/21 16:06       | JMM     | TAL BUF |

**Client Sample ID: SS-16-0212**

**Lab Sample ID: 480-186319-22**

**Date Collected: 06/21/21 12:20**

**Matrix: Solid**

**Date Received: 06/21/21 16:14**

**Percent Solids: 72.6**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 3550C        |     |                 | 587467       | 06/29/21 15:10       | ATG     | TAL BUF |
| Total/NA  | Analysis   | 8270D        |     | 5               | 587813       | 07/01/21 18:54       | PJQ     | TAL BUF |
| Total/NA  | Prep       | 3550C        |     |                 | 587260       | 06/28/21 15:10       | ATG     | TAL BUF |
| Total/NA  | Analysis   | 8081B        |     | 10              | 587356       | 06/29/21 16:29       | JLS     | TAL BUF |
| Total/NA  | Prep       | 3550C        |     |                 | 587331       | 06/29/21 08:04       | VXF     | TAL BUF |
| Total/NA  | Analysis   | 8082A        |     | 1               | 587439       | 06/30/21 06:02       | W1T     | TAL BUF |
| Total/NA  | Prep       | 3050B        |     |                 | 586814       | 06/24/21 11:32       | ADM     | TAL BUF |
| Total/NA  | Analysis   | 6010C        |     | 1               | 587200       | 06/25/21 14:48       | LMH     | TAL BUF |
| Total/NA  | Prep       | 7471B        |     |                 | 586883       | 06/24/21 17:36       | BMB     | TAL BUF |
| Total/NA  | Analysis   | 7471B        |     | 1               | 586916       | 06/24/21 19:16       | BMB     | TAL BUF |

**Client Sample ID: SS-17-0002**

**Lab Sample ID: 480-186319-23**

**Date Collected: 06/21/21 12:25**

**Matrix: Solid**

**Date Received: 06/21/21 16:14**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | Moisture     |     | 1               | 586473       | 06/22/21 16:06       | JMM     | TAL BUF |

# Lab Chronicle

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

**Client Sample ID: SS-17-0002**

**Lab Sample ID: 480-186319-23**

**Date Collected: 06/21/21 12:25**

**Matrix: Solid**

**Date Received: 06/21/21 16:14**

**Percent Solids: 75.8**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 3550C        |     |                 | 587467       | 06/29/21 15:10       | ATG     | TAL BUF |
| Total/NA  | Analysis   | 8270D        |     | 5               | 587813       | 07/01/21 19:18       | PJQ     | TAL BUF |
| Total/NA  | Prep       | 3550C        |     |                 | 587260       | 06/28/21 15:10       | ATG     | TAL BUF |
| Total/NA  | Analysis   | 8081B        |     | 1               | 587356       | 06/29/21 16:49       | JLS     | TAL BUF |
| Total/NA  | Prep       | 3550C        |     |                 | 587331       | 06/29/21 08:04       | VXF     | TAL BUF |
| Total/NA  | Analysis   | 8082A        |     | 1               | 587439       | 06/30/21 06:15       | W1T     | TAL BUF |
| Total/NA  | Prep       | 3050B        |     |                 | 586814       | 06/24/21 11:32       | ADM     | TAL BUF |
| Total/NA  | Analysis   | 6010C        |     | 1               | 587200       | 06/25/21 14:51       | LMH     | TAL BUF |
| Total/NA  | Prep       | 7471B        |     |                 | 586883       | 06/24/21 17:36       | BMB     | TAL BUF |
| Total/NA  | Analysis   | 7471B        |     | 1               | 586916       | 06/24/21 19:17       | BMB     | TAL BUF |

**Client Sample ID: SS-17-0212**

**Lab Sample ID: 480-186319-24**

**Date Collected: 06/21/21 12:30**

**Matrix: Solid**

**Date Received: 06/21/21 16:14**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | Moisture     |     | 1               | 586473       | 06/22/21 16:06       | JMM     | TAL BUF |

**Client Sample ID: SS-17-0212**

**Lab Sample ID: 480-186319-24**

**Date Collected: 06/21/21 12:30**

**Matrix: Solid**

**Date Received: 06/21/21 16:14**

**Percent Solids: 85.0**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 3550C        |     |                 | 587467       | 06/29/21 15:10       | ATG     | TAL BUF |
| Total/NA  | Analysis   | 8270D        |     | 5               | 587813       | 07/01/21 19:42       | PJQ     | TAL BUF |
| Total/NA  | Prep       | 3550C        |     |                 | 587260       | 06/28/21 15:10       | ATG     | TAL BUF |
| Total/NA  | Analysis   | 8081B        |     | 50              | 587356       | 06/29/21 17:09       | JLS     | TAL BUF |
| Total/NA  | Prep       | 3550C        |     |                 | 587331       | 06/29/21 08:04       | VXF     | TAL BUF |
| Total/NA  | Analysis   | 8082A        |     | 1               | 587439       | 06/30/21 06:28       | W1T     | TAL BUF |
| Total/NA  | Prep       | 3050B        |     |                 | 586814       | 06/24/21 11:32       | ADM     | TAL BUF |
| Total/NA  | Analysis   | 6010C        |     | 1               | 587200       | 06/25/21 14:55       | LMH     | TAL BUF |
| Total/NA  | Prep       | 7471B        |     |                 | 586883       | 06/24/21 17:36       | BMB     | TAL BUF |
| Total/NA  | Analysis   | 7471B        |     | 1               | 586916       | 06/24/21 19:18       | BMB     | TAL BUF |

**Client Sample ID: SS-18-0002**

**Lab Sample ID: 480-186319-25**

**Date Collected: 06/21/21 12:35**

**Matrix: Solid**

**Date Received: 06/21/21 16:14**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | Moisture     |     | 1               | 586473       | 06/22/21 16:06       | JMM     | TAL BUF |

# Lab Chronicle

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

**Client Sample ID: SS-18-0002**

**Lab Sample ID: 480-186319-25**

**Date Collected: 06/21/21 12:35**

**Matrix: Solid**

**Date Received: 06/21/21 16:14**

**Percent Solids: 73.9**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 3550C        |     |                 | 587467       | 06/29/21 15:10       | ATG     | TAL BUF |
| Total/NA  | Analysis   | 8270D        |     | 5               | 587813       | 07/01/21 20:06       | PJQ     | TAL BUF |
| Total/NA  | Prep       | 3550C        |     |                 | 587260       | 06/28/21 15:10       | ATG     | TAL BUF |
| Total/NA  | Analysis   | 8081B        |     | 20              | 587356       | 06/29/21 17:28       | JLS     | TAL BUF |
| Total/NA  | Prep       | 3550C        |     |                 | 587331       | 06/29/21 08:04       | VXF     | TAL BUF |
| Total/NA  | Analysis   | 8082A        |     | 1               | 587439       | 06/30/21 06:41       | W1T     | TAL BUF |
| Total/NA  | Prep       | 3050B        |     |                 | 586814       | 06/24/21 11:32       | ADM     | TAL BUF |
| Total/NA  | Analysis   | 6010C        |     | 1               | 587200       | 06/25/21 14:59       | LMH     | TAL BUF |
| Total/NA  | Prep       | 7471B        |     |                 | 586883       | 06/24/21 17:36       | BMB     | TAL BUF |
| Total/NA  | Analysis   | 7471B        |     | 50              | 586916       | 06/24/21 19:37       | BMB     | TAL BUF |

**Client Sample ID: SS-18-0212**

**Lab Sample ID: 480-186319-26**

**Date Collected: 06/21/21 12:40**

**Matrix: Solid**

**Date Received: 06/21/21 16:14**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | Moisture     |     | 1               | 586473       | 06/22/21 16:06       | JMM     | TAL BUF |

**Client Sample ID: SS-18-0212**

**Lab Sample ID: 480-186319-26**

**Date Collected: 06/21/21 12:40**

**Matrix: Solid**

**Date Received: 06/21/21 16:14**

**Percent Solids: 86.6**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 3550C        |     |                 | 587467       | 06/29/21 15:10       | ATG     | TAL BUF |
| Total/NA  | Analysis   | 8270D        |     | 5               | 587813       | 07/01/21 20:30       | PJQ     | TAL BUF |
| Total/NA  | Prep       | 3550C        |     |                 | 587260       | 06/28/21 15:10       | ATG     | TAL BUF |
| Total/NA  | Analysis   | 8081B        |     | 50              | 587356       | 06/29/21 17:48       | JLS     | TAL BUF |
| Total/NA  | Prep       | 3550C        |     |                 | 587331       | 06/29/21 08:04       | VXF     | TAL BUF |
| Total/NA  | Analysis   | 8082A        |     | 1               | 587439       | 06/30/21 06:54       | W1T     | TAL BUF |
| Total/NA  | Prep       | 3050B        |     |                 | 586814       | 06/24/21 11:32       | ADM     | TAL BUF |
| Total/NA  | Analysis   | 6010C        |     | 1               | 587200       | 06/25/21 15:03       | LMH     | TAL BUF |
| Total/NA  | Prep       | 7471B        |     |                 | 586883       | 06/24/21 17:36       | BMB     | TAL BUF |
| Total/NA  | Analysis   | 7471B        |     | 100             | 586916       | 06/24/21 19:42       | BMB     | TAL BUF |

**Client Sample ID: SS-19-0002**

**Lab Sample ID: 480-186319-27**

**Date Collected: 06/21/21 12:50**

**Matrix: Solid**

**Date Received: 06/21/21 16:14**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | Moisture     |     | 1               | 586473       | 06/22/21 16:06       | JMM     | TAL BUF |



# Lab Chronicle

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

**Client Sample ID: SS-19-0002**

**Lab Sample ID: 480-186319-27**

**Date Collected: 06/21/21 12:50**

**Matrix: Solid**

**Date Received: 06/21/21 16:14**

**Percent Solids: 56.3**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 3550C        |     |                 | 587467       | 06/29/21 15:10       | ATG     | TAL BUF |
| Total/NA  | Analysis   | 8270D        |     | 5               | 587813       | 07/01/21 20:53       | PJQ     | TAL BUF |
| Total/NA  | Prep       | 3550C        |     |                 | 587260       | 06/28/21 15:10       | ATG     | TAL BUF |
| Total/NA  | Analysis   | 8081B        |     | 10              | 587356       | 06/29/21 18:08       | JLS     | TAL BUF |
| Total/NA  | Prep       | 3550C        |     |                 | 587331       | 06/29/21 08:04       | VXF     | TAL BUF |
| Total/NA  | Analysis   | 8082A        |     | 1               | 587439       | 06/30/21 07:07       | W1T     | TAL BUF |
| Total/NA  | Prep       | 3050B        |     |                 | 586814       | 06/24/21 11:32       | ADM     | TAL BUF |
| Total/NA  | Analysis   | 6010C        |     | 1               | 587200       | 06/25/21 15:06       | LMH     | TAL BUF |
| Total/NA  | Prep       | 7471B        |     |                 | 587658       | 07/01/21 13:35       | BMB     | TAL BUF |
| Total/NA  | Analysis   | 7471B        |     | 1               | 587820       | 07/01/21 15:19       | BMB     | TAL BUF |

**Client Sample ID: SS-19-0212**

**Lab Sample ID: 480-186319-28**

**Date Collected: 06/21/21 12:55**

**Matrix: Solid**

**Date Received: 06/21/21 16:14**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | Moisture     |     | 1               | 586473       | 06/22/21 16:06       | JMM     | TAL BUF |

**Client Sample ID: SS-19-0212**

**Lab Sample ID: 480-186319-28**

**Date Collected: 06/21/21 12:55**

**Matrix: Solid**

**Date Received: 06/21/21 16:14**

**Percent Solids: 70.1**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 3550C        |     |                 | 587467       | 06/29/21 15:10       | ATG     | TAL BUF |
| Total/NA  | Analysis   | 8270D        |     | 1               | 587813       | 07/01/21 21:17       | PJQ     | TAL BUF |
| Total/NA  | Prep       | 3550C        |     |                 | 587260       | 06/28/21 15:10       | ATG     | TAL BUF |
| Total/NA  | Analysis   | 8081B        |     | 20              | 587356       | 06/29/21 18:28       | JLS     | TAL BUF |
| Total/NA  | Prep       | 3550C        |     |                 | 587659       | 06/30/21 15:12       | ATG     | TAL BUF |
| Total/NA  | Analysis   | 8082A        |     | 1               | 587767       | 07/01/21 15:19       | DSC     | TAL BUF |
| Total/NA  | Prep       | 3050B        |     |                 | 586814       | 06/24/21 11:32       | ADM     | TAL BUF |
| Total/NA  | Analysis   | 6010C        |     | 1               | 587200       | 06/25/21 15:10       | LMH     | TAL BUF |
| Total/NA  | Prep       | 7471B        |     |                 | 587658       | 07/01/21 13:35       | BMB     | TAL BUF |
| Total/NA  | Analysis   | 7471B        |     | 1               | 587820       | 07/01/21 15:20       | BMB     | TAL BUF |

**Client Sample ID: SS-20-0002**

**Lab Sample ID: 480-186319-29**

**Date Collected: 06/21/21 13:00**

**Matrix: Solid**

**Date Received: 06/21/21 16:14**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | Moisture     |     | 1               | 586473       | 06/22/21 16:06       | JMM     | TAL BUF |

# Lab Chronicle

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

**Client Sample ID: SS-20-0002**

**Lab Sample ID: 480-186319-29**

**Date Collected: 06/21/21 13:00**

**Matrix: Solid**

**Date Received: 06/21/21 16:14**

**Percent Solids: 71.7**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 3550C        |     |                 | 587467       | 06/29/21 15:10       | ATG     | TAL BUF |
| Total/NA  | Analysis   | 8270D        |     | 1               | 587813       | 07/01/21 21:40       | PJQ     | TAL BUF |
| Total/NA  | Prep       | 3550C        |     |                 | 587260       | 06/28/21 15:10       | ATG     | TAL BUF |
| Total/NA  | Analysis   | 8081B        |     | 1               | 587356       | 06/29/21 18:47       | JLS     | TAL BUF |
| Total/NA  | Prep       | 3550C        |     |                 | 587659       | 06/30/21 15:12       | ATG     | TAL BUF |
| Total/NA  | Analysis   | 8082A        |     | 1               | 587767       | 07/01/21 15:31       | DSC     | TAL BUF |
| Total/NA  | Prep       | 3050B        |     |                 | 586814       | 06/24/21 11:32       | ADM     | TAL BUF |
| Total/NA  | Analysis   | 6010C        |     | 1               | 587200       | 06/25/21 15:14       | LMH     | TAL BUF |
| Total/NA  | Prep       | 7471B        |     |                 | 587658       | 07/01/21 13:35       | BMB     | TAL BUF |
| Total/NA  | Analysis   | 7471B        |     | 1               | 587820       | 07/01/21 15:21       | BMB     | TAL BUF |

**Client Sample ID: SS-20-0212**

**Lab Sample ID: 480-186319-30**

**Date Collected: 06/21/21 13:05**

**Matrix: Solid**

**Date Received: 06/21/21 16:14**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | Moisture     |     | 1               | 586473       | 06/22/21 16:06       | JMM     | TAL BUF |

**Client Sample ID: SS-20-0212**

**Lab Sample ID: 480-186319-30**

**Date Collected: 06/21/21 13:05**

**Matrix: Solid**

**Date Received: 06/21/21 16:14**

**Percent Solids: 69.4**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 3550C        |     |                 | 587467       | 06/29/21 15:10       | ATG     | TAL BUF |
| Total/NA  | Analysis   | 8270D        |     | 5               | 587813       | 07/01/21 22:04       | PJQ     | TAL BUF |
| Total/NA  | Prep       | 3550C        |     |                 | 587260       | 06/28/21 15:10       | ATG     | TAL BUF |
| Total/NA  | Analysis   | 8081B        |     | 20              | 587356       | 06/29/21 19:07       | JLS     | TAL BUF |
| Total/NA  | Prep       | 3550C        |     |                 | 587659       | 06/30/21 15:12       | ATG     | TAL BUF |
| Total/NA  | Analysis   | 8082A        |     | 1               | 587767       | 07/01/21 15:44       | DSC     | TAL BUF |
| Total/NA  | Prep       | 3050B        |     |                 | 586814       | 06/24/21 11:32       | ADM     | TAL BUF |
| Total/NA  | Analysis   | 6010C        |     | 1               | 587200       | 06/25/21 15:18       | LMH     | TAL BUF |
| Total/NA  | Prep       | 7471B        |     |                 | 587658       | 07/01/21 13:35       | BMB     | TAL BUF |
| Total/NA  | Analysis   | 7471B        |     | 1               | 587820       | 07/01/21 15:22       | BMB     | TAL BUF |

**Client Sample ID: SS-21-0002**

**Lab Sample ID: 480-186319-31**

**Date Collected: 06/21/21 08:25**

**Matrix: Solid**

**Date Received: 06/21/21 16:14**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | Moisture     |     | 1               | 586473       | 06/22/21 16:06       | JMM     | TAL BUF |

# Lab Chronicle

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

**Client Sample ID: SS-21-0002**

**Lab Sample ID: 480-186319-31**

**Date Collected: 06/21/21 08:25**

**Matrix: Solid**

**Date Received: 06/21/21 16:14**

**Percent Solids: 73.5**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 3550C        |     |                 | 587467       | 06/29/21 15:10       | ATG     | TAL BUF |
| Total/NA  | Analysis   | 8270D        |     | 5               | 587813       | 07/01/21 18:06       | PJQ     | TAL BUF |
| Total/NA  | Prep       | 3550C        |     |                 | 587260       | 06/28/21 15:10       | ATG     | TAL BUF |
| Total/NA  | Analysis   | 8081B        |     | 10              | 587356       | 06/29/21 15:50       | JLS     | TAL BUF |
| Total/NA  | Prep       | 3550C        |     |                 | 587659       | 06/30/21 15:12       | ATG     | TAL BUF |
| Total/NA  | Analysis   | 8082A        |     | 1               | 587767       | 07/01/21 14:02       | DSC     | TAL BUF |
| Total/NA  | Prep       | 3050B        |     |                 | 586814       | 06/24/21 11:32       | ADM     | TAL BUF |
| Total/NA  | Analysis   | 6010C        |     | 1               | 587052       | 06/25/21 14:18       | AMH     | TAL BUF |
| Total/NA  | Prep       | 7471B        |     |                 | 587658       | 07/01/21 13:35       | BMB     | TAL BUF |
| Total/NA  | Analysis   | 7471B        |     | 1               | 587820       | 07/01/21 15:24       | BMB     | TAL BUF |

**Client Sample ID: SS-21-0212**

**Lab Sample ID: 480-186319-32**

**Date Collected: 06/21/21 08:30**

**Matrix: Solid**

**Date Received: 06/21/21 16:14**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | Moisture     |     | 1               | 586473       | 06/22/21 16:06       | JMM     | TAL BUF |

**Client Sample ID: SS-21-0212**

**Lab Sample ID: 480-186319-32**

**Date Collected: 06/21/21 08:30**

**Matrix: Solid**

**Date Received: 06/21/21 16:14**

**Percent Solids: 85.9**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 3550C        |     |                 | 587467       | 06/29/21 15:10       | ATG     | TAL BUF |
| Total/NA  | Analysis   | 8270D        |     | 5               | 587813       | 07/01/21 22:28       | PJQ     | TAL BUF |
| Total/NA  | Prep       | 3550C        |     |                 | 587260       | 06/28/21 15:10       | ATG     | TAL BUF |
| Total/NA  | Analysis   | 8081B        |     | 20              | 587356       | 06/29/21 19:27       | JLS     | TAL BUF |
| Total/NA  | Prep       | 3550C        |     |                 | 587659       | 06/30/21 15:12       | ATG     | TAL BUF |
| Total/NA  | Analysis   | 8082A        |     | 1               | 587767       | 07/01/21 15:57       | DSC     | TAL BUF |
| Total/NA  | Prep       | 3050B        |     |                 | 586814       | 06/24/21 11:32       | ADM     | TAL BUF |
| Total/NA  | Analysis   | 6010C        |     | 1               | 587200       | 06/25/21 15:33       | LMH     | TAL BUF |
| Total/NA  | Prep       | 7471B        |     |                 | 587658       | 07/01/21 13:35       | BMB     | TAL BUF |
| Total/NA  | Analysis   | 7471B        |     | 1               | 587820       | 07/01/21 15:32       | BMB     | TAL BUF |

**Client Sample ID: SS-22-0002**

**Lab Sample ID: 480-186319-33**

**Date Collected: 06/21/21 13:45**

**Matrix: Solid**

**Date Received: 06/21/21 16:14**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | Moisture     |     | 1               | 586473       | 06/22/21 16:06       | JMM     | TAL BUF |

# Lab Chronicle

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

**Client Sample ID: SS-22-0002**

**Lab Sample ID: 480-186319-33**

**Date Collected: 06/21/21 13:45**

**Matrix: Solid**

**Date Received: 06/21/21 16:14**

**Percent Solids: 63.4**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 3550C        |     |                 | 587467       | 06/29/21 15:10       | ATG     | TAL BUF |
| Total/NA  | Analysis   | 8270D        |     | 1               | 587813       | 07/01/21 22:52       | PJQ     | TAL BUF |
| Total/NA  | Prep       | 3550C        |     |                 | 587260       | 06/28/21 15:10       | ATG     | TAL BUF |
| Total/NA  | Analysis   | 8081B        |     | 1               | 587356       | 06/29/21 19:47       | JLS     | TAL BUF |
| Total/NA  | Prep       | 3550C        |     |                 | 587659       | 06/30/21 15:12       | ATG     | TAL BUF |
| Total/NA  | Analysis   | 8082A        |     | 1               | 587767       | 07/01/21 16:10       | DSC     | TAL BUF |
| Total/NA  | Prep       | 3050B        |     |                 | 586814       | 06/24/21 11:32       | ADM     | TAL BUF |
| Total/NA  | Analysis   | 6010C        |     | 1               | 587200       | 06/25/21 15:37       | LMH     | TAL BUF |
| Total/NA  | Prep       | 7471B        |     |                 | 587658       | 07/01/21 13:35       | BMB     | TAL BUF |
| Total/NA  | Analysis   | 7471B        |     | 1               | 587820       | 07/01/21 15:33       | BMB     | TAL BUF |

**Client Sample ID: SS-22-0212**

**Lab Sample ID: 480-186319-34**

**Date Collected: 06/21/21 13:50**

**Matrix: Solid**

**Date Received: 06/21/21 16:14**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | Moisture     |     | 1               | 586473       | 06/22/21 16:06       | JMM     | TAL BUF |

**Client Sample ID: SS-22-0212**

**Lab Sample ID: 480-186319-34**

**Date Collected: 06/21/21 13:50**

**Matrix: Solid**

**Date Received: 06/21/21 16:14**

**Percent Solids: 70.1**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 3550C        |     |                 | 587467       | 06/29/21 15:10       | ATG     | TAL BUF |
| Total/NA  | Analysis   | 8270D        |     | 5               | 587813       | 07/01/21 23:16       | PJQ     | TAL BUF |
| Total/NA  | Prep       | 3550C        |     |                 | 587260       | 06/28/21 15:10       | ATG     | TAL BUF |
| Total/NA  | Analysis   | 8081B        |     | 1               | 587356       | 06/29/21 20:06       | JLS     | TAL BUF |
| Total/NA  | Prep       | 3550C        |     |                 | 587659       | 06/30/21 15:12       | ATG     | TAL BUF |
| Total/NA  | Analysis   | 8082A        |     | 1               | 587767       | 07/01/21 16:23       | DSC     | TAL BUF |
| Total/NA  | Prep       | 3050B        |     |                 | 586814       | 06/24/21 11:32       | ADM     | TAL BUF |
| Total/NA  | Analysis   | 6010C        |     | 1               | 587200       | 06/25/21 15:40       | LMH     | TAL BUF |
| Total/NA  | Prep       | 7471B        |     |                 | 587658       | 07/01/21 13:35       | BMB     | TAL BUF |
| Total/NA  | Analysis   | 7471B        |     | 1               | 587820       | 07/01/21 15:34       | BMB     | TAL BUF |

**Client Sample ID: SS-23-0002**

**Lab Sample ID: 480-186319-35**

**Date Collected: 06/21/21 13:35**

**Matrix: Solid**

**Date Received: 06/21/21 16:14**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | Moisture     |     | 1               | 586473       | 06/22/21 16:06       | JMM     | TAL BUF |

# Lab Chronicle

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

**Client Sample ID: SS-23-0002**

**Lab Sample ID: 480-186319-35**

**Date Collected: 06/21/21 13:35**

**Matrix: Solid**

**Date Received: 06/21/21 16:14**

**Percent Solids: 49.7**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 3550C        |     |                 | 587467       | 06/29/21 15:10       | ATG     | TAL BUF |
| Total/NA  | Analysis   | 8270D        |     | 1               | 587813       | 07/01/21 23:40       | PJQ     | TAL BUF |
| Total/NA  | Prep       | 3550C        |     |                 | 587260       | 06/28/21 15:10       | ATG     | TAL BUF |
| Total/NA  | Analysis   | 8081B        |     | 1               | 587356       | 06/29/21 20:26       | JLS     | TAL BUF |
| Total/NA  | Prep       | 3550C        |     |                 | 587659       | 06/30/21 15:12       | ATG     | TAL BUF |
| Total/NA  | Analysis   | 8082A        |     | 1               | 587767       | 07/01/21 16:36       | DSC     | TAL BUF |
| Total/NA  | Prep       | 3050B        |     |                 | 586814       | 06/24/21 11:32       | ADM     | TAL BUF |
| Total/NA  | Analysis   | 6010C        |     | 1               | 587200       | 06/25/21 15:44       | LMH     | TAL BUF |
| Total/NA  | Prep       | 7471B        |     |                 | 587658       | 07/01/21 13:35       | BMB     | TAL BUF |
| Total/NA  | Analysis   | 7471B        |     | 1               | 587820       | 07/01/21 15:35       | BMB     | TAL BUF |

**Client Sample ID: SS-23-0212**

**Lab Sample ID: 480-186319-36**

**Date Collected: 06/21/21 13:40**

**Matrix: Solid**

**Date Received: 06/21/21 16:14**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | Moisture     |     | 1               | 586473       | 06/22/21 16:06       | JMM     | TAL BUF |

**Client Sample ID: SS-23-0212**

**Lab Sample ID: 480-186319-36**

**Date Collected: 06/21/21 13:40**

**Matrix: Solid**

**Date Received: 06/21/21 16:14**

**Percent Solids: 60.8**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 3550C        |     |                 | 587467       | 06/29/21 15:10       | ATG     | TAL BUF |
| Total/NA  | Analysis   | 8270D        |     | 1               | 587813       | 07/02/21 00:04       | PJQ     | TAL BUF |
| Total/NA  | Prep       | 3550C        |     |                 | 587260       | 06/28/21 15:10       | ATG     | TAL BUF |
| Total/NA  | Analysis   | 8081B        |     | 1               | 587356       | 06/29/21 20:45       | JLS     | TAL BUF |
| Total/NA  | Prep       | 3550C        |     |                 | 587659       | 06/30/21 15:12       | ATG     | TAL BUF |
| Total/NA  | Analysis   | 8082A        |     | 1               | 587767       | 07/01/21 16:49       | DSC     | TAL BUF |
| Total/NA  | Prep       | 3050B        |     |                 | 586814       | 06/24/21 11:32       | ADM     | TAL BUF |
| Total/NA  | Analysis   | 6010C        |     | 1               | 587200       | 06/25/21 15:48       | LMH     | TAL BUF |
| Total/NA  | Prep       | 7471B        |     |                 | 587658       | 07/01/21 13:35       | BMB     | TAL BUF |
| Total/NA  | Analysis   | 7471B        |     | 1               | 587820       | 07/01/21 15:37       | BMB     | TAL BUF |

**Client Sample ID: SS-24-0002**

**Lab Sample ID: 480-186319-37**

**Date Collected: 06/21/21 13:35**

**Matrix: Solid**

**Date Received: 06/21/21 16:14**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | Moisture     |     | 1               | 586473       | 06/22/21 16:06       | JMM     | TAL BUF |

# Lab Chronicle

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

**Client Sample ID: SS-24-0002**

**Lab Sample ID: 480-186319-37**

**Date Collected: 06/21/21 13:35**

**Matrix: Solid**

**Date Received: 06/21/21 16:14**

**Percent Solids: 55.4**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 3550C        |     |                 | 587467       | 06/29/21 15:10       | ATG     | TAL BUF |
| Total/NA  | Analysis   | 8270D        |     | 5               | 587813       | 07/02/21 00:28       | PJQ     | TAL BUF |
| Total/NA  | Prep       | 3550C        |     |                 | 587260       | 06/28/21 15:10       | ATG     | TAL BUF |
| Total/NA  | Analysis   | 8081B        |     | 1               | 587356       | 06/29/21 21:24       | JLS     | TAL BUF |
| Total/NA  | Prep       | 3550C        |     |                 | 587659       | 06/30/21 15:12       | ATG     | TAL BUF |
| Total/NA  | Analysis   | 8082A        |     | 1               | 587767       | 07/01/21 17:01       | DSC     | TAL BUF |
| Total/NA  | Prep       | 3050B        |     |                 | 586814       | 06/24/21 11:32       | ADM     | TAL BUF |
| Total/NA  | Analysis   | 6010C        |     | 1               | 587200       | 06/25/21 15:51       | LMH     | TAL BUF |
| Total/NA  | Prep       | 7471B        |     |                 | 587658       | 07/01/21 13:35       | BMB     | TAL BUF |
| Total/NA  | Analysis   | 7471B        |     | 1               | 587820       | 07/01/21 15:38       | BMB     | TAL BUF |

**Client Sample ID: SS-24-0212**

**Lab Sample ID: 480-186319-38**

**Date Collected: 06/21/21 13:30**

**Matrix: Solid**

**Date Received: 06/21/21 16:14**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | Moisture     |     | 1               | 586473       | 06/22/21 16:06       | JMM     | TAL BUF |

**Client Sample ID: SS-24-0212**

**Lab Sample ID: 480-186319-38**

**Date Collected: 06/21/21 13:30**

**Matrix: Solid**

**Date Received: 06/21/21 16:14**

**Percent Solids: 67.8**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 3550C        |     |                 | 587467       | 06/29/21 15:10       | ATG     | TAL BUF |
| Total/NA  | Analysis   | 8270D        |     | 5               | 587813       | 07/02/21 00:51       | PJQ     | TAL BUF |
| Total/NA  | Prep       | 3550C        |     |                 | 587260       | 06/28/21 15:10       | ATG     | TAL BUF |
| Total/NA  | Analysis   | 8081B        |     | 50              | 587356       | 06/29/21 21:44       | JLS     | TAL BUF |
| Total/NA  | Prep       | 3550C        |     |                 | 587659       | 06/30/21 15:12       | ATG     | TAL BUF |
| Total/NA  | Analysis   | 8082A        |     | 1               | 587767       | 07/01/21 17:40       | DSC     | TAL BUF |
| Total/NA  | Prep       | 3050B        |     |                 | 586814       | 06/24/21 11:32       | ADM     | TAL BUF |
| Total/NA  | Analysis   | 6010C        |     | 1               | 587200       | 06/25/21 15:55       | LMH     | TAL BUF |
| Total/NA  | Prep       | 7471B        |     |                 | 587658       | 07/01/21 13:35       | BMB     | TAL BUF |
| Total/NA  | Analysis   | 7471B        |     | 1               | 587820       | 07/01/21 15:39       | BMB     | TAL BUF |

**Client Sample ID: SS-25-0002**

**Lab Sample ID: 480-186319-39**

**Date Collected: 06/21/21 13:15**

**Matrix: Solid**

**Date Received: 06/21/21 16:14**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | Moisture     |     | 1               | 586473       | 06/22/21 16:06       | JMM     | TAL BUF |

# Lab Chronicle

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

**Client Sample ID: SS-25-0002**

**Lab Sample ID: 480-186319-39**

**Date Collected: 06/21/21 13:15**

**Matrix: Solid**

**Date Received: 06/21/21 16:14**

**Percent Solids: 60.9**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 3550C        |     |                 | 587467       | 06/29/21 15:10       | ATG     | TAL BUF |
| Total/NA  | Analysis   | 8270D        |     | 5               | 587813       | 07/02/21 01:15       | PJQ     | TAL BUF |
| Total/NA  | Prep       | 3550C        |     |                 | 587260       | 06/28/21 15:10       | ATG     | TAL BUF |
| Total/NA  | Analysis   | 8081B        |     | 5               | 587356       | 06/29/21 22:04       | JLS     | TAL BUF |
| Total/NA  | Prep       | 3550C        |     |                 | 587659       | 06/30/21 15:12       | ATG     | TAL BUF |
| Total/NA  | Analysis   | 8082A        |     | 1               | 587767       | 07/01/21 17:53       | DSC     | TAL BUF |
| Total/NA  | Prep       | 3050B        |     |                 | 586814       | 06/24/21 11:32       | ADM     | TAL BUF |
| Total/NA  | Analysis   | 6010C        |     | 1               | 587200       | 06/25/21 15:59       | LMH     | TAL BUF |
| Total/NA  | Prep       | 7471B        |     |                 | 587658       | 07/01/21 13:35       | BMB     | TAL BUF |
| Total/NA  | Analysis   | 7471B        |     | 1               | 587820       | 07/01/21 15:41       | BMB     | TAL BUF |

**Client Sample ID: SS-25-0212**

**Lab Sample ID: 480-186319-40**

**Date Collected: 06/21/21 13:20**

**Matrix: Solid**

**Date Received: 06/21/21 16:14**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | Moisture     |     | 1               | 586473       | 06/22/21 16:06       | JMM     | TAL BUF |

**Client Sample ID: SS-25-0212**

**Lab Sample ID: 480-186319-40**

**Date Collected: 06/21/21 13:20**

**Matrix: Solid**

**Date Received: 06/21/21 16:14**

**Percent Solids: 76.4**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 3550C        |     |                 | 587467       | 06/29/21 15:10       | ATG     | TAL BUF |
| Total/NA  | Analysis   | 8270D        |     | 1               | 587813       | 07/02/21 01:39       | PJQ     | TAL BUF |
| Total/NA  | Prep       | 3550C        |     |                 | 587260       | 06/28/21 15:10       | ATG     | TAL BUF |
| Total/NA  | Analysis   | 8081B        |     | 5               | 587356       | 06/29/21 22:23       | JLS     | TAL BUF |
| Total/NA  | Prep       | 3550C        |     |                 | 587659       | 06/30/21 15:12       | ATG     | TAL BUF |
| Total/NA  | Analysis   | 8082A        |     | 1               | 587767       | 07/01/21 18:06       | DSC     | TAL BUF |
| Total/NA  | Prep       | 3050B        |     |                 | 586814       | 06/24/21 11:32       | ADM     | TAL BUF |
| Total/NA  | Analysis   | 6010C        |     | 1               | 587200       | 06/25/21 16:02       | LMH     | TAL BUF |
| Total/NA  | Prep       | 7471B        |     |                 | 587658       | 07/01/21 13:35       | BMB     | TAL BUF |
| Total/NA  | Analysis   | 7471B        |     | 1               | 587820       | 07/01/21 15:42       | BMB     | TAL BUF |

**Client Sample ID: FBSS-01-210621**

**Lab Sample ID: 480-186319-41**

**Date Collected: 06/21/21 14:10**

**Matrix: Water**

**Date Received: 06/21/21 16:14**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 3510C        |     |                 | 586864       | 06/24/21 14:49       | ATG     | TAL BUF |
| Total/NA  | Analysis   | 8270D        |     | 1               | 587748       | 07/02/21 09:10       | JMM     | TAL BUF |
| Total/NA  | Prep       | 3510C        |     |                 | 586730       | 06/24/21 06:56       | SMP     | TAL BUF |
| Total/NA  | Analysis   | 8081B        |     | 1               | 586775       | 06/24/21 16:38       | JLS     | TAL BUF |
| Total/NA  | Prep       | 3510C        |     |                 | 588012       | 07/03/21 08:36       | JMP     | TAL BUF |
| Total/NA  | Analysis   | 8082A        |     | 1               | 588030       | 07/05/21 22:11       | W1T     | TAL BUF |

Eurofins TestAmerica, Buffalo



# Lab Chronicle

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

**Client Sample ID: FBSS-01-210621**

**Lab Sample ID: 480-186319-41**

**Date Collected: 06/21/21 14:10**

**Matrix: Water**

**Date Received: 06/21/21 16:14**

| Prep Type         | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-------------------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total Recoverable | Prep       | 3005A        |     |                 | 586560       | 06/23/21 08:43       | ADM     | TAL BUF |
| Total Recoverable | Analysis   | 6010C        |     | 1               | 586759       | 06/23/21 23:38       | LMH     | TAL BUF |
| Total/NA          | Prep       | 7470A        |     |                 | 587024       | 06/25/21 14:02       | BMB     | TAL BUF |
| Total/NA          | Analysis   | 7470A        |     | 1               | 587084       | 06/25/21 17:56       | BMB     | TAL BUF |

**Client Sample ID: FBSS-02-210621**

**Lab Sample ID: 480-186319-42**

**Date Collected: 06/21/21 14:20**

**Matrix: Water**

**Date Received: 06/21/21 16:14**

| Prep Type         | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-------------------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA          | Prep       | 3510C        |     |                 | 586864       | 06/24/21 14:49       | ATG     | TAL BUF |
| Total/NA          | Analysis   | 8270D        |     | 1               | 587748       | 07/02/21 09:37       | JMM     | TAL BUF |
| Total/NA          | Prep       | 3510C        |     |                 | 586730       | 06/24/21 06:56       | SMP     | TAL BUF |
| Total/NA          | Analysis   | 8081B        |     | 1               | 586775       | 06/24/21 16:57       | JLS     | TAL BUF |
| Total/NA          | Prep       | 3510C        |     |                 | 588012       | 07/03/21 08:36       | JMP     | TAL BUF |
| Total/NA          | Analysis   | 8082A        |     | 1               | 588117       | 07/06/21 13:59       | W1T     | TAL BUF |
| Total Recoverable | Prep       | 3005A        |     |                 | 586560       | 06/23/21 08:43       | ADM     | TAL BUF |
| Total Recoverable | Analysis   | 6010C        |     | 1               | 586759       | 06/24/21 00:08       | LMH     | TAL BUF |
| Total/NA          | Prep       | 7470A        |     |                 | 587025       | 06/25/21 14:02       | BMB     | TAL BUF |
| Total/NA          | Analysis   | 7470A        |     | 1               | 587084       | 06/25/21 18:02       | 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: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

## Laboratory: Eurofins TestAmerica, Buffalo

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

| Authority | Program | Identification Number | Expiration Date |
|-----------|---------|-----------------------|-----------------|
| New York  | NELAP   | 10026                 | 04-01-22        |

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

| Analysis Method | Prep Method | Matrix | Analyte          |
|-----------------|-------------|--------|------------------|
| Moisture        |             | Solid  | Percent Moisture |
| Moisture        |             | Solid  | Percent Solids   |

## Method Summary

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

| Method   | Method Description                                     | Protocol | Laboratory |
|----------|--------------------------------------------------------|----------|------------|
| 8270D    | Semivolatile Organic Compounds (GC/MS)                 | SW846    | TAL BUF    |
| 8081B    | Organochlorine Pesticides (GC)                         | SW846    | TAL BUF    |
| 8082A    | Polychlorinated Biphenyls (PCBs) by Gas Chromatography | SW846    | TAL BUF    |
| 6010C    | Metals (ICP)                                           | SW846    | TAL BUF    |
| 7470A    | Mercury (CVAA)                                         | SW846    | TAL BUF    |
| 7471B    | Mercury (CVAA)                                         | SW846    | TAL BUF    |
| Moisture | Percent Moisture                                       | EPA      | TAL BUF    |
| 3005A    | Preparation, Total Recoverable or Dissolved Metals     | SW846    | TAL BUF    |
| 3050B    | Preparation, Metals                                    | SW846    | TAL BUF    |
| 3510C    | Liquid-Liquid Extraction (Separatory Funnel)           | SW846    | TAL BUF    |
| 3550C    | Ultrasonic Extraction                                  | SW846    | TAL BUF    |
| 7470A    | Preparation, Mercury                                   | SW846    | TAL BUF    |
| 7471B    | Preparation, Mercury                                   | SW846    | TAL BUF    |

### Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

### Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

# Sample Summary

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186319-1

| Lab Sample ID | Client Sample ID | Matrix | Collected      | Received       | Asset ID |
|---------------|------------------|--------|----------------|----------------|----------|
| 480-186319-1  | SS-64-0002       | Solid  | 06/21/21 07:40 | 06/21/21 16:14 |          |
| 480-186319-2  | SS-62-0212       | Solid  | 06/21/21 11:25 | 06/21/21 16:14 |          |
| 480-186319-3  | SS-01-0002       | Solid  | 06/21/21 09:30 | 06/21/21 16:14 |          |
| 480-186319-4  | SS-01-0212       | Solid  | 06/21/21 09:35 | 06/21/21 16:14 |          |
| 480-186319-5  | SS-02-0002       | Solid  | 06/21/21 09:50 | 06/21/21 16:14 |          |
| 480-186319-6  | SS-02-0212       | Solid  | 06/21/21 09:55 | 06/21/21 16:14 |          |
| 480-186319-7  | SS-03-0002       | Solid  | 06/21/21 10:25 | 06/21/21 16:14 |          |
| 480-186319-8  | SS-03-0212       | Solid  | 06/21/21 10:30 | 06/21/21 16:14 |          |
| 480-186319-9  | SS-09-0002       | Solid  | 06/21/21 09:10 | 06/21/21 16:14 |          |
| 480-186319-10 | SS-09-0212       | Solid  | 06/21/21 09:15 | 06/21/21 16:14 |          |
| 480-186319-11 | SS-10-0002       | Solid  | 06/21/21 10:55 | 06/21/21 16:14 |          |
| 480-186319-12 | SS-10-0212       | Solid  | 06/21/21 11:00 | 06/21/21 16:14 |          |
| 480-186319-13 | SS-11-0002       | Solid  | 06/21/21 10:40 | 06/21/21 16:14 |          |
| 480-186319-14 | SS-11-0212       | Solid  | 06/21/21 10:45 | 06/21/21 16:14 |          |
| 480-186319-15 | SS-12-0002       | Solid  | 06/21/21 11:05 | 06/21/21 16:14 |          |
| 480-186319-16 | SS-12-0212       | Solid  | 06/21/21 11:10 | 06/21/21 16:14 |          |
| 480-186319-17 | SS-14-0002       | Solid  | 06/21/21 08:40 | 06/21/21 16:14 |          |
| 480-186319-18 | SS-14-0212       | Solid  | 06/21/21 08:47 | 06/21/21 16:14 |          |
| 480-186319-19 | SS-15-0002       | Solid  | 06/21/21 12:05 | 06/21/21 16:14 |          |
| 480-186319-20 | SS-15-0212       | Solid  | 06/21/21 12:10 | 06/21/21 16:14 |          |
| 480-186319-21 | SS-16-0002       | Solid  | 06/21/21 12:15 | 06/21/21 16:14 |          |
| 480-186319-22 | SS-16-0212       | Solid  | 06/21/21 12:20 | 06/21/21 16:14 |          |
| 480-186319-23 | SS-17-0002       | Solid  | 06/21/21 12:25 | 06/21/21 16:14 |          |
| 480-186319-24 | SS-17-0212       | Solid  | 06/21/21 12:30 | 06/21/21 16:14 |          |
| 480-186319-25 | SS-18-0002       | Solid  | 06/21/21 12:35 | 06/21/21 16:14 |          |
| 480-186319-26 | SS-18-0212       | Solid  | 06/21/21 12:40 | 06/21/21 16:14 |          |
| 480-186319-27 | SS-19-0002       | Solid  | 06/21/21 12:50 | 06/21/21 16:14 |          |
| 480-186319-28 | SS-19-0212       | Solid  | 06/21/21 12:55 | 06/21/21 16:14 |          |
| 480-186319-29 | SS-20-0002       | Solid  | 06/21/21 13:00 | 06/21/21 16:14 |          |
| 480-186319-30 | SS-20-0212       | Solid  | 06/21/21 13:05 | 06/21/21 16:14 |          |
| 480-186319-31 | SS-21-0002       | Solid  | 06/21/21 08:25 | 06/21/21 16:14 |          |
| 480-186319-32 | SS-21-0212       | Solid  | 06/21/21 08:30 | 06/21/21 16:14 |          |
| 480-186319-33 | SS-22-0002       | Solid  | 06/21/21 13:45 | 06/21/21 16:14 |          |
| 480-186319-34 | SS-22-0212       | Solid  | 06/21/21 13:50 | 06/21/21 16:14 |          |
| 480-186319-35 | SS-23-0002       | Solid  | 06/21/21 13:35 | 06/21/21 16:14 |          |
| 480-186319-36 | SS-23-0212       | Solid  | 06/21/21 13:40 | 06/21/21 16:14 |          |
| 480-186319-37 | SS-24-0002       | Solid  | 06/21/21 13:35 | 06/21/21 16:14 |          |
| 480-186319-38 | SS-24-0212       | Solid  | 06/21/21 13:30 | 06/21/21 16:14 |          |
| 480-186319-39 | SS-25-0002       | Solid  | 06/21/21 13:15 | 06/21/21 16:14 |          |
| 480-186319-40 | SS-25-0212       | Solid  | 06/21/21 13:20 | 06/21/21 16:14 |          |
| 480-186319-41 | FBSS-01-210621   | Water  | 06/21/21 14:10 | 06/21/21 16:14 |          |
| 480-186319-42 | FBSS-02-210621   | Water  | 06/21/21 14:20 | 06/21/21 16:14 |          |

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|                                                                                                                                                                                                                                                                            |  |                                                                              |  |                                                                                                                                                                                                                                                                                                                                                                  |  |                                       |  |                                                                                                                                                                                                                                                                                                                                                                                                               |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|------------------------------------------------------------------------------|--|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|---------------------------------------|--|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| <b>Client Information</b>                                                                                                                                                                                                                                                  |  | Sampler: <u>Dino Zuck</u>                                                    |  | Lab PM: Johnson, Orlette S                                                                                                                                                                                                                                                                                                                                       |  | Carrier Tracking No(s):               |  | COC No: 480-162115-35611.2                                                                                                                                                                                                                                                                                                                                                                                    |  |
| Client Contact: Mr. Glenn May                                                                                                                                                                                                                                              |  | Phone: <u>716 866 8222</u>                                                   |  | E-Mail: Orlette.Johnson@Eurofinset.com                                                                                                                                                                                                                                                                                                                           |  | State of Origin: <u>NY</u>            |  | Page: Page 2 of 7                                                                                                                                                                                                                                                                                                                                                                                             |  |
| Company: New York State D.E.C.                                                                                                                                                                                                                                             |  |                                                                              |  | PWSID:                                                                                                                                                                                                                                                                                                                                                           |  | Analysis Requested                    |  |                                                                                                                                                                                                                                                                                                                                                                                                               |  |
| Address: 270 Michigan Avenue                                                                                                                                                                                                                                               |  | Due Date Requested:                                                          |  | <div>Field Filtered Sample (Yes or No)</div> <div>Perform MS/MSD (Yes or No)</div> <div>8260C - TCL list OLM04.2</div> <div>8081B, 8082A, 82700</div> <div>6010C, 7471B</div> <div>6010C, 7470A</div> <div>8270D - (MOD) TCL SVOA - OLM04.2 + Benzoic Acid</div> <div>8081B - (MOD) TCL Pesticides - OLM04.2 + Mirex</div> <div>8082A - TCL PCBs - SOM01.0</div> |  | <div>Total Number of containers</div> |  | <b>Preservation Codes:</b><br>A - HCL<br>B - NaOH<br>C - Zn Acetate<br>D - Nitric Acid<br>E - NaHSO4<br>F - MeOH<br>G - Amchlor<br>H - Ascorbic Acid<br>I - Ice<br>J - DI Water<br>K - EDTA<br>L - EDA<br>M - Hexane<br>N - None<br>O - AsNaO2<br>P - Na2O4S<br>Q - Na2SO3<br>R - Na2S2O3<br>S - H2SO4<br>T - TSP Dodecahydrate<br>U - Acetone<br>V - MCAA<br>W - pH 4-5<br>Z - other (specify)<br><br>Other: |  |
| City: Buffalo                                                                                                                                                                                                                                                              |  | TAT Requested (days): <u>STD TAT</u>                                         |  |                                                                                                                                                                                                                                                                                                                                                                  |  |                                       |  |                                                                                                                                                                                                                                                                                                                                                                                                               |  |
| State, Zip: NY, 14203                                                                                                                                                                                                                                                      |  | Compliance Project: <input type="checkbox"/> Yes <input type="checkbox"/> No |  |                                                                                                                                                                                                                                                                                                                                                                  |  |                                       |  |                                                                                                                                                                                                                                                                                                                                                                                                               |  |
| Phone:                                                                                                                                                                                                                                                                     |  | PO #:                                                                        |  |                                                                                                                                                                                                                                                                                                                                                                  |  |                                       |  |                                                                                                                                                                                                                                                                                                                                                                                                               |  |
| Email: glenn.may@dec.ny.gov                                                                                                                                                                                                                                                |  | CallOut ID: 136802                                                           |  |                                                                                                                                                                                                                                                                                                                                                                  |  |                                       |  |                                                                                                                                                                                                                                                                                                                                                                                                               |  |
| Project Name: Niagara Sanitation Wheatfield #932054                                                                                                                                                                                                                        |  | Project #: 48019690                                                          |  | WO #:                                                                                                                                                                                                                                                                                                                                                            |  |                                       |  |                                                                                                                                                                                                                                                                                                                                                                                                               |  |
| Site:                                                                                                                                                                                                                                                                      |  | SSOW#:                                                                       |  |                                                                                                                                                                                                                                                                                                                                                                  |  |                                       |  |                                                                                                                                                                                                                                                                                                                                                                                                               |  |
| <b>Sample Identification</b>                                                                                                                                                                                                                                               |  | Sample Date                                                                  |  | Sample Time                                                                                                                                                                                                                                                                                                                                                      |  | Sample Type (C=Comp, G=grab)          |  | Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)                                                                                                                                                                                                                                                                                                                                                      |  |
|                                                                                                                                                                                                                                                                            |  |                                                                              |  |                                                                                                                                                                                                                                                                                                                                                                  |  |                                       |  | Preservation Code:                                                                                                                                                                                                                                                                                                                                                                                            |  |
| SS-03-0212                                                                                                                                                                                                                                                                 |  | 6/21/21                                                                      |  | 1030                                                                                                                                                                                                                                                                                                                                                             |  | C                                     |  | Solid                                                                                                                                                                                                                                                                                                                                                                                                         |  |
| SS-04-0002                                                                                                                                                                                                                                                                 |  |                                                                              |  |                                                                                                                                                                                                                                                                                                                                                                  |  |                                       |  | Solid                                                                                                                                                                                                                                                                                                                                                                                                         |  |
| SS-04-0212                                                                                                                                                                                                                                                                 |  |                                                                              |  |                                                                                                                                                                                                                                                                                                                                                                  |  |                                       |  | Solid                                                                                                                                                                                                                                                                                                                                                                                                         |  |
| SS-05-0002                                                                                                                                                                                                                                                                 |  |                                                                              |  |                                                                                                                                                                                                                                                                                                                                                                  |  |                                       |  | Solid                                                                                                                                                                                                                                                                                                                                                                                                         |  |
| SS-05-0212                                                                                                                                                                                                                                                                 |  |                                                                              |  |                                                                                                                                                                                                                                                                                                                                                                  |  |                                       |  | Solid                                                                                                                                                                                                                                                                                                                                                                                                         |  |
| SS-06-0002                                                                                                                                                                                                                                                                 |  |                                                                              |  |                                                                                                                                                                                                                                                                                                                                                                  |  |                                       |  | Solid                                                                                                                                                                                                                                                                                                                                                                                                         |  |
| SS-06-0212                                                                                                                                                                                                                                                                 |  |                                                                              |  |                                                                                                                                                                                                                                                                                                                                                                  |  |                                       |  | Solid                                                                                                                                                                                                                                                                                                                                                                                                         |  |
| SS-07-0002                                                                                                                                                                                                                                                                 |  |                                                                              |  |                                                                                                                                                                                                                                                                                                                                                                  |  |                                       |  | Solid                                                                                                                                                                                                                                                                                                                                                                                                         |  |
| SS-07-0212                                                                                                                                                                                                                                                                 |  |                                                                              |  |                                                                                                                                                                                                                                                                                                                                                                  |  |                                       |  | Solid                                                                                                                                                                                                                                                                                                                                                                                                         |  |
| SS-08-0002                                                                                                                                                                                                                                                                 |  |                                                                              |  |                                                                                                                                                                                                                                                                                                                                                                  |  |                                       |  | Solid                                                                                                                                                                                                                                                                                                                                                                                                         |  |
| SS-08-0212                                                                                                                                                                                                                                                                 |  |                                                                              |  |                                                                                                                                                                                                                                                                                                                                                                  |  |                                       |  | Solid                                                                                                                                                                                                                                                                                                                                                                                                         |  |
| <b>Possible Hazard Identification</b><br><input checked="" type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological |  |                                                                              |  |                                                                                                                                                                                                                                                                                                                                                                  |  |                                       |  |                                                                                                                                                                                                                                                                                                                                                                                                               |  |
| <b>Sample Disposal ( A fee may be assessed if samples are retained longer than 1 month)</b><br><input type="checkbox"/> Return To Client <input checked="" type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months                             |  |                                                                              |  |                                                                                                                                                                                                                                                                                                                                                                  |  |                                       |  |                                                                                                                                                                                                                                                                                                                                                                                                               |  |
| Deliverable Requested: I, II, III, IV, Other (specify)                                                                                                                                                                                                                     |  |                                                                              |  |                                                                                                                                                                                                                                                                                                                                                                  |  |                                       |  |                                                                                                                                                                                                                                                                                                                                                                                                               |  |
| Special Instructions/QC Requirements:                                                                                                                                                                                                                                      |  |                                                                              |  |                                                                                                                                                                                                                                                                                                                                                                  |  |                                       |  |                                                                                                                                                                                                                                                                                                                                                                                                               |  |
| Empty Kit Relinquished by: <u>Dino Zuck</u>                                                                                                                                                                                                                                |  |                                                                              |  | Date: <u>6/21/21</u>                                                                                                                                                                                                                                                                                                                                             |  | Time: <u>1430</u>                     |  | Method of Shipment:                                                                                                                                                                                                                                                                                                                                                                                           |  |
| Relinquished by:                                                                                                                                                                                                                                                           |  | Date/Time:                                                                   |  | Company:                                                                                                                                                                                                                                                                                                                                                         |  | Received by:                          |  | Date/Time:                                                                                                                                                                                                                                                                                                                                                                                                    |  |
| Relinquished by:                                                                                                                                                                                                                                                           |  | Date/Time:                                                                   |  | Company:                                                                                                                                                                                                                                                                                                                                                         |  | Received by:                          |  | Date/Time:                                                                                                                                                                                                                                                                                                                                                                                                    |  |
| Relinquished by:                                                                                                                                                                                                                                                           |  | Date/Time:                                                                   |  | Company:                                                                                                                                                                                                                                                                                                                                                         |  | Received by: <u>[Signature]</u>       |  | Date/Time: <u>6/21/21 1614</u>                                                                                                                                                                                                                                                                                                                                                                                |  |
| Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No                                                                                                                                                                                             |  | Custody Seal No.:                                                            |  | Cooler Temperature(s) °C and Other Remarks:                                                                                                                                                                                                                                                                                                                      |  |                                       |  |                                                                                                                                                                                                                                                                                                                                                                                                               |  |



**eurofins** Environment Testing America

Ver: 11/01/2020



 **eurofins** Environment Testing America

Ver: 11/01/2020

## Eurofins TestAmerica, Buffalo

10 Hazelwood Drive

Amherst, NY 14228-2298

Phone: 716-691-2600 Fax: 716-691-7991

## Chain of Custody Record

Environment Testing  
America

|                                                                                                                                                                                                                                   |                          |                                                                              |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                           |                                                                                                                                      |   |                                 |   |                                   |                                                |                                                |                            |              |                                                |                                                |                            |                 |            |            |            |          |             |             |           |                   |                       |         |             |              |          |          |            |         |                     |        |  |  |  |  |  |  |  |  |  |  |  |  |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|------------------------------------------------------------------------------|--------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|---|---------------------------------|---|-----------------------------------|------------------------------------------------|------------------------------------------------|----------------------------|--------------|------------------------------------------------|------------------------------------------------|----------------------------|-----------------|------------|------------|------------|----------|-------------|-------------|-----------|-------------------|-----------------------|---------|-------------|--------------|----------|----------|------------|---------|---------------------|--------|--|--|--|--|--|--|--|--|--|--|--|--|--|
| <b>Client Information</b>                                                                                                                                                                                                         |                          | Sampler: <u>Dino Zach</u>                                                    |              | Lab PM: Johnson, Orlette S                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                           | Carrier Tracking No(s):                                                                                                              |   | COC No: 480-162115-35611.5      |   |                                   |                                                |                                                |                            |              |                                                |                                                |                            |                 |            |            |            |          |             |             |           |                   |                       |         |             |              |          |          |            |         |                     |        |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Client Contact: Mr. Glenn May                                                                                                                                                                                                     |                          | Phone: <u>716 846 8222</u>                                                   |              | E-Mail: Orlette.Johnson@Eurofinset.com                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                           | State of Origin: <u>NY</u>                                                                                                           |   | Page: Page 5 of 7               |   |                                   |                                                |                                                |                            |              |                                                |                                                |                            |                 |            |            |            |          |             |             |           |                   |                       |         |             |              |          |          |            |         |                     |        |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Company: New York State D.E.C.                                                                                                                                                                                                    |                          | PWSID:                                                                       |              | Analysis Requested                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                           |                                                                                                                                      |   |                                 |   |                                   |                                                |                                                |                            |              |                                                |                                                |                            |                 |            |            |            |          |             |             |           |                   |                       |         |             |              |          |          |            |         |                     |        |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Address: 270 Michigan Avenue                                                                                                                                                                                                      |                          | Due Date Requested:                                                          |              | <table border="1"> <tr> <td>Field Filtered Sample (Yes or No)</td> <td>8260C - TCL list OLM04.2</td> <td>8081B, 8082A, 8270D</td> <td>6010C, 7471B</td> <td>6010C, 7470A</td> <td>8270D - (MOD) TCL SVOA - OLM04.2 + Benzoc Acid</td> <td>8081B - (MOD) TCL Pesticides - OLM04.2 + Mirex</td> <td>8082A - TCL PCBs - SOM01.0</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>                                                    |                                                           |                                                                                                                                      |   |                                 |   | Field Filtered Sample (Yes or No) | 8260C - TCL list OLM04.2                       | 8081B, 8082A, 8270D                            | 6010C, 7471B               | 6010C, 7470A | 8270D - (MOD) TCL SVOA - OLM04.2 + Benzoc Acid | 8081B - (MOD) TCL Pesticides - OLM04.2 + Mirex | 8082A - TCL PCBs - SOM01.0 |                 |            |            |            |          |             |             |           |                   |                       |         |             |              |          |          |            |         |                     |        |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Field Filtered Sample (Yes or No)                                                                                                                                                                                                 | 8260C - TCL list OLM04.2 | 8081B, 8082A, 8270D                                                          | 6010C, 7471B |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                           |                                                                                                                                      |   |                                 |   | 6010C, 7470A                      | 8270D - (MOD) TCL SVOA - OLM04.2 + Benzoc Acid | 8081B - (MOD) TCL Pesticides - OLM04.2 + Mirex | 8082A - TCL PCBs - SOM01.0 |              |                                                |                                                |                            |                 |            |            |            |          |             |             |           |                   |                       |         |             |              |          |          |            |         |                     |        |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                   |                          |                                                                              |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                           |                                                                                                                                      |   |                                 |   |                                   |                                                |                                                |                            |              |                                                |                                                |                            |                 |            |            |            |          |             |             |           |                   |                       |         |             |              |          |          |            |         |                     |        |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                   |                          |                                                                              |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                           |                                                                                                                                      |   |                                 |   |                                   |                                                |                                                |                            |              |                                                |                                                |                            |                 |            |            |            |          |             |             |           |                   |                       |         |             |              |          |          |            |         |                     |        |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                   |                          |                                                                              |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                           |                                                                                                                                      |   |                                 |   |                                   |                                                |                                                |                            |              |                                                |                                                |                            |                 |            |            |            |          |             |             |           |                   |                       |         |             |              |          |          |            |         |                     |        |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                   |                          |                                                                              |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                           |                                                                                                                                      |   |                                 |   |                                   |                                                |                                                |                            |              |                                                |                                                |                            |                 |            |            |            |          |             |             |           |                   |                       |         |             |              |          |          |            |         |                     |        |  |  |  |  |  |  |  |  |  |  |  |  |  |
| City: Buffalo                                                                                                                                                                                                                     |                          | TAT Requested (days): <u>STD TAT</u>                                         |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                           |                                                                                                                                      |   |                                 |   |                                   |                                                |                                                |                            |              |                                                |                                                |                            |                 |            |            |            |          |             |             |           |                   |                       |         |             |              |          |          |            |         |                     |        |  |  |  |  |  |  |  |  |  |  |  |  |  |
| State, Zip: NY, 14203                                                                                                                                                                                                             |                          | Compliance Project: <input type="checkbox"/> Yes <input type="checkbox"/> No |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                           |                                                                                                                                      |   |                                 |   |                                   |                                                |                                                |                            |              |                                                |                                                |                            |                 |            |            |            |          |             |             |           |                   |                       |         |             |              |          |          |            |         |                     |        |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Phone:                                                                                                                                                                                                                            |                          | PO #:                                                                        |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                           |                                                                                                                                      |   |                                 |   |                                   |                                                |                                                |                            |              |                                                |                                                |                            |                 |            |            |            |          |             |             |           |                   |                       |         |             |              |          |          |            |         |                     |        |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Email: glenn.may@dec.ny.gov                                                                                                                                                                                                       |                          | CallOut ID: 136802                                                           |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                           |                                                                                                                                      |   |                                 |   |                                   |                                                |                                                |                            |              |                                                |                                                |                            |                 |            |            |            |          |             |             |           |                   |                       |         |             |              |          |          |            |         |                     |        |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Project Name: Niagara Sanitation Wheatfield #932054                                                                                                                                                                               |                          | WO #:                                                                        |              | <table border="1"> <tr> <td colspan="2">Preservation Codes:</td> </tr> <tr> <td>A - HCL</td> <td>M - Hexane</td> </tr> <tr> <td>B - NaOH</td> <td>N - None</td> </tr> <tr> <td>C - Zn Acetate</td> <td>O - AsNaO2</td> </tr> <tr> <td>D - Nitric Acid</td> <td>P - Na2O4S</td> </tr> <tr> <td>E - NaHSO4</td> <td>Q - Na2SO3</td> </tr> <tr> <td>F - MeOH</td> <td>R - Na2S2O3</td> </tr> <tr> <td>G - Amchlor</td> <td>S - H2SO4</td> </tr> <tr> <td>H - Ascorbic Acid</td> <td>T - TSP Dodecahydrate</td> </tr> <tr> <td>I - Ice</td> <td>U - Acetone</td> </tr> <tr> <td>J - DI Water</td> <td>V - MCAA</td> </tr> <tr> <td>K - EDTA</td> <td>W - pH 4-5</td> </tr> <tr> <td>L - EDA</td> <td>Z - other (specify)</td> </tr> <tr> <td colspan="2">Other:</td> </tr> </table> |                                                           |                                                                                                                                      |   |                                 |   | Preservation Codes:               |                                                | A - HCL                                        | M - Hexane                 | B - NaOH     | N - None                                       | C - Zn Acetate                                 | O - AsNaO2                 | D - Nitric Acid | P - Na2O4S | E - NaHSO4 | Q - Na2SO3 | F - MeOH | R - Na2S2O3 | G - Amchlor | S - H2SO4 | H - Ascorbic Acid | T - TSP Dodecahydrate | I - Ice | U - Acetone | J - DI Water | V - MCAA | K - EDTA | W - pH 4-5 | L - EDA | Z - other (specify) | Other: |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Preservation Codes:                                                                                                                                                                                                               |                          |                                                                              |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                           |                                                                                                                                      |   |                                 |   |                                   |                                                |                                                |                            |              |                                                |                                                |                            |                 |            |            |            |          |             |             |           |                   |                       |         |             |              |          |          |            |         |                     |        |  |  |  |  |  |  |  |  |  |  |  |  |  |
| A - HCL                                                                                                                                                                                                                           | M - Hexane               |                                                                              |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                           |                                                                                                                                      |   |                                 |   |                                   |                                                |                                                |                            |              |                                                |                                                |                            |                 |            |            |            |          |             |             |           |                   |                       |         |             |              |          |          |            |         |                     |        |  |  |  |  |  |  |  |  |  |  |  |  |  |
| B - NaOH                                                                                                                                                                                                                          | N - None                 |                                                                              |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                           |                                                                                                                                      |   |                                 |   |                                   |                                                |                                                |                            |              |                                                |                                                |                            |                 |            |            |            |          |             |             |           |                   |                       |         |             |              |          |          |            |         |                     |        |  |  |  |  |  |  |  |  |  |  |  |  |  |
| C - Zn Acetate                                                                                                                                                                                                                    | O - AsNaO2               |                                                                              |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                           |                                                                                                                                      |   |                                 |   |                                   |                                                |                                                |                            |              |                                                |                                                |                            |                 |            |            |            |          |             |             |           |                   |                       |         |             |              |          |          |            |         |                     |        |  |  |  |  |  |  |  |  |  |  |  |  |  |
| D - Nitric Acid                                                                                                                                                                                                                   | P - Na2O4S               |                                                                              |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                           |                                                                                                                                      |   |                                 |   |                                   |                                                |                                                |                            |              |                                                |                                                |                            |                 |            |            |            |          |             |             |           |                   |                       |         |             |              |          |          |            |         |                     |        |  |  |  |  |  |  |  |  |  |  |  |  |  |
| E - NaHSO4                                                                                                                                                                                                                        | Q - Na2SO3               |                                                                              |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                           |                                                                                                                                      |   |                                 |   |                                   |                                                |                                                |                            |              |                                                |                                                |                            |                 |            |            |            |          |             |             |           |                   |                       |         |             |              |          |          |            |         |                     |        |  |  |  |  |  |  |  |  |  |  |  |  |  |
| F - MeOH                                                                                                                                                                                                                          | R - Na2S2O3              |                                                                              |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                           |                                                                                                                                      |   |                                 |   |                                   |                                                |                                                |                            |              |                                                |                                                |                            |                 |            |            |            |          |             |             |           |                   |                       |         |             |              |          |          |            |         |                     |        |  |  |  |  |  |  |  |  |  |  |  |  |  |
| G - Amchlor                                                                                                                                                                                                                       | S - H2SO4                |                                                                              |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                           |                                                                                                                                      |   |                                 |   |                                   |                                                |                                                |                            |              |                                                |                                                |                            |                 |            |            |            |          |             |             |           |                   |                       |         |             |              |          |          |            |         |                     |        |  |  |  |  |  |  |  |  |  |  |  |  |  |
| H - Ascorbic Acid                                                                                                                                                                                                                 | T - TSP Dodecahydrate    |                                                                              |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                           |                                                                                                                                      |   |                                 |   |                                   |                                                |                                                |                            |              |                                                |                                                |                            |                 |            |            |            |          |             |             |           |                   |                       |         |             |              |          |          |            |         |                     |        |  |  |  |  |  |  |  |  |  |  |  |  |  |
| I - Ice                                                                                                                                                                                                                           | U - Acetone              |                                                                              |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                           |                                                                                                                                      |   |                                 |   |                                   |                                                |                                                |                            |              |                                                |                                                |                            |                 |            |            |            |          |             |             |           |                   |                       |         |             |              |          |          |            |         |                     |        |  |  |  |  |  |  |  |  |  |  |  |  |  |
| J - DI Water                                                                                                                                                                                                                      | V - MCAA                 |                                                                              |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                           |                                                                                                                                      |   |                                 |   |                                   |                                                |                                                |                            |              |                                                |                                                |                            |                 |            |            |            |          |             |             |           |                   |                       |         |             |              |          |          |            |         |                     |        |  |  |  |  |  |  |  |  |  |  |  |  |  |
| K - EDTA                                                                                                                                                                                                                          | W - pH 4-5               |                                                                              |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                           |                                                                                                                                      |   |                                 |   |                                   |                                                |                                                |                            |              |                                                |                                                |                            |                 |            |            |            |          |             |             |           |                   |                       |         |             |              |          |          |            |         |                     |        |  |  |  |  |  |  |  |  |  |  |  |  |  |
| L - EDA                                                                                                                                                                                                                           | Z - other (specify)      |                                                                              |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                           |                                                                                                                                      |   |                                 |   |                                   |                                                |                                                |                            |              |                                                |                                                |                            |                 |            |            |            |          |             |             |           |                   |                       |         |             |              |          |          |            |         |                     |        |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Other:                                                                                                                                                                                                                            |                          |                                                                              |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                           |                                                                                                                                      |   |                                 |   |                                   |                                                |                                                |                            |              |                                                |                                                |                            |                 |            |            |            |          |             |             |           |                   |                       |         |             |              |          |          |            |         |                     |        |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Site:                                                                                                                                                                                                                             |                          | Project #: 48019690                                                          |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                           |                                                                                                                                      |   |                                 |   |                                   |                                                |                                                |                            |              |                                                |                                                |                            |                 |            |            |            |          |             |             |           |                   |                       |         |             |              |          |          |            |         |                     |        |  |  |  |  |  |  |  |  |  |  |  |  |  |
| SSOW#:                                                                                                                                                                                                                            |                          | SSOW#:                                                                       |              | Total Number of containers                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                           |                                                                                                                                      |   |                                 |   |                                   |                                                |                                                |                            |              |                                                |                                                |                            |                 |            |            |            |          |             |             |           |                   |                       |         |             |              |          |          |            |         |                     |        |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Sample Identification                                                                                                                                                                                                             |                          | Sample Date                                                                  | Sample Time  | Sample Type (C=Comp, G=grab)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Matrix (W=water, S=solid, O=wastewater, BT=Tissue, A=Air) | Special Instructions/Note:                                                                                                           |   |                                 |   |                                   |                                                |                                                |                            |              |                                                |                                                |                            |                 |            |            |            |          |             |             |           |                   |                       |         |             |              |          |          |            |         |                     |        |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                   |                          |                                                                              |              | Preservation Code:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                           | N                                                                                                                                    | N | N                               | D | N                                 | N                                              | N                                              |                            |              |                                                |                                                |                            |                 |            |            |            |          |             |             |           |                   |                       |         |             |              |          |          |            |         |                     |        |  |  |  |  |  |  |  |  |  |  |  |  |  |
| SS-20-0002                                                                                                                                                                                                                        |                          | 6/21/21                                                                      | 1300         | C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Solid                                                     |                                                                                                                                      |   |                                 |   | X                                 | X                                              | X                                              | X                          |              |                                                |                                                |                            |                 |            |            |            |          |             |             |           |                   |                       |         |             |              |          |          |            |         |                     |        |  |  |  |  |  |  |  |  |  |  |  |  |  |
| SS-20-0212                                                                                                                                                                                                                        |                          | 6/21/21                                                                      | 1305         | C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Solid                                                     |                                                                                                                                      |   |                                 |   | X                                 | X                                              | X                                              | X                          |              |                                                |                                                |                            |                 |            |            |            |          |             |             |           |                   |                       |         |             |              |          |          |            |         |                     |        |  |  |  |  |  |  |  |  |  |  |  |  |  |
| SS-21-0002                                                                                                                                                                                                                        |                          | 6/21/21                                                                      | 0825         | C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Solid                                                     |                                                                                                                                      |   |                                 |   | X                                 | X                                              | X                                              | X                          |              |                                                |                                                |                            |                 |            |            |            |          |             |             |           |                   |                       |         |             |              |          |          |            |         |                     |        |  |  |  |  |  |  |  |  |  |  |  |  |  |
| SS-21-0212                                                                                                                                                                                                                        |                          | 6/21/21                                                                      | 0830         | C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Solid                                                     |                                                                                                                                      |   |                                 |   | X                                 | X                                              | X                                              | X                          |              |                                                |                                                |                            |                 |            |            |            |          |             |             |           |                   |                       |         |             |              |          |          |            |         |                     |        |  |  |  |  |  |  |  |  |  |  |  |  |  |
| SS-22-0002                                                                                                                                                                                                                        |                          | 6/21/21                                                                      | 1345         | C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Solid                                                     |                                                                                                                                      |   |                                 |   | X                                 | X                                              | X                                              | X                          |              |                                                |                                                |                            |                 |            |            |            |          |             |             |           |                   |                       |         |             |              |          |          |            |         |                     |        |  |  |  |  |  |  |  |  |  |  |  |  |  |
| SS-22-0212                                                                                                                                                                                                                        |                          | 6/21/21                                                                      | 1350         | C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Solid                                                     |                                                                                                                                      |   |                                 |   | X                                 | X                                              | X                                              | X                          |              |                                                |                                                |                            |                 |            |            |            |          |             |             |           |                   |                       |         |             |              |          |          |            |         |                     |        |  |  |  |  |  |  |  |  |  |  |  |  |  |
| SS-23-0002                                                                                                                                                                                                                        |                          | 6/21/21                                                                      | 1335         | C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Solid                                                     |                                                                                                                                      |   |                                 |   | X                                 | X                                              | X                                              | X                          |              |                                                |                                                |                            |                 |            |            |            |          |             |             |           |                   |                       |         |             |              |          |          |            |         |                     |        |  |  |  |  |  |  |  |  |  |  |  |  |  |
| SS-23-0212                                                                                                                                                                                                                        |                          | 6/21/21                                                                      | 1340         | C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Solid                                                     |                                                                                                                                      |   |                                 |   | X                                 | X                                              | X                                              | X                          |              |                                                |                                                |                            |                 |            |            |            |          |             |             |           |                   |                       |         |             |              |          |          |            |         |                     |        |  |  |  |  |  |  |  |  |  |  |  |  |  |
| SS-24-0002                                                                                                                                                                                                                        |                          | 6/21/21                                                                      | 1335         | C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Solid                                                     |                                                                                                                                      |   |                                 |   | X                                 | X                                              | X                                              | X                          |              |                                                |                                                |                            |                 |            |            |            |          |             |             |           |                   |                       |         |             |              |          |          |            |         |                     |        |  |  |  |  |  |  |  |  |  |  |  |  |  |
| SS-24-0212                                                                                                                                                                                                                        |                          | 6/21/21                                                                      | 1330         | C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Solid                                                     |                                                                                                                                      |   |                                 |   | X                                 | X                                              | X                                              | X                          |              |                                                |                                                |                            |                 |            |            |            |          |             |             |           |                   |                       |         |             |              |          |          |            |         |                     |        |  |  |  |  |  |  |  |  |  |  |  |  |  |
| SS-25-0002                                                                                                                                                                                                                        |                          | 6/21/21                                                                      | 1315         | C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Solid                                                     |                                                                                                                                      |   |                                 |   | X                                 | X                                              | X                                              | X                          |              |                                                |                                                |                            |                 |            |            |            |          |             |             |           |                   |                       |         |             |              |          |          |            |         |                     |        |  |  |  |  |  |  |  |  |  |  |  |  |  |
| <b>Possible Hazard Identification</b>                                                                                                                                                                                             |                          |                                                                              |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                           | <b>Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)</b>                                           |   |                                 |   |                                   |                                                |                                                |                            |              |                                                |                                                |                            |                 |            |            |            |          |             |             |           |                   |                       |         |             |              |          |          |            |         |                     |        |  |  |  |  |  |  |  |  |  |  |  |  |  |
| <input checked="" type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological |                          |                                                                              |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                           | <input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months |   |                                 |   |                                   |                                                |                                                |                            |              |                                                |                                                |                            |                 |            |            |            |          |             |             |           |                   |                       |         |             |              |          |          |            |         |                     |        |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Deliverable Requested: I, II, III, IV, Other (specify)                                                                                                                                                                            |                          |                                                                              |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                           | Special Instructions/QC Requirements:                                                                                                |   |                                 |   |                                   |                                                |                                                |                            |              |                                                |                                                |                            |                 |            |            |            |          |             |             |           |                   |                       |         |             |              |          |          |            |         |                     |        |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Empty Kit Relinquished by:                                                                                                                                                                                                        |                          |                                                                              |              | Date:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                           | Time:                                                                                                                                |   | Method of Shipment:             |   |                                   |                                                |                                                |                            |              |                                                |                                                |                            |                 |            |            |            |          |             |             |           |                   |                       |         |             |              |          |          |            |         |                     |        |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Relinquished by: <u>[Signature]</u>                                                                                                                                                                                               |                          |                                                                              |              | Date/Time: <u>6/21/21 1430</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                           | Company: <u>NAAM</u>                                                                                                                 |   | Received by: _____              |   |                                   |                                                |                                                |                            |              |                                                |                                                |                            |                 |            |            |            |          |             |             |           |                   |                       |         |             |              |          |          |            |         |                     |        |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Relinquished by: _____                                                                                                                                                                                                            |                          |                                                                              |              | Date/Time: _____                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                           | Company: _____                                                                                                                       |   | Received by: _____              |   |                                   |                                                |                                                |                            |              |                                                |                                                |                            |                 |            |            |            |          |             |             |           |                   |                       |         |             |              |          |          |            |         |                     |        |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Relinquished by: _____                                                                                                                                                                                                            |                          |                                                                              |              | Date/Time: _____                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                           | Company: _____                                                                                                                       |   | Received by: <u>[Signature]</u> |   |                                   |                                                |                                                |                            |              |                                                |                                                |                            |                 |            |            |            |          |             |             |           |                   |                       |         |             |              |          |          |            |         |                     |        |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No                                                                                                                                                    |                          |                                                                              |              | Custody Seal No.:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                           | Cooler Temperature(s) °C and Other Remarks:                                                                                          |   |                                 |   |                                   |                                                |                                                |                            |              |                                                |                                                |                            |                 |            |            |            |          |             |             |           |                   |                       |         |             |              |          |          |            |         |                     |        |  |  |  |  |  |  |  |  |  |  |  |  |  |

## Eurofins TestAmerica, Buffalo

10 Hazelwood Drive

Amherst, NY 14228-2298

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## Chain of Custody Record

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|                                                                                                                                                                                                                                   |                       |                                                                              |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |                                 |  |                                                          |  |                                   |                          |                            |              |                |                                                 |                                                |                            |            |            |          |             |             |           |                   |                       |         |             |              |          |          |            |         |                     |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|------------------------------------------------------------------------------|--|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|---------------------------------|--|----------------------------------------------------------|--|-----------------------------------|--------------------------|----------------------------|--------------|----------------|-------------------------------------------------|------------------------------------------------|----------------------------|------------|------------|----------|-------------|-------------|-----------|-------------------|-----------------------|---------|-------------|--------------|----------|----------|------------|---------|---------------------|
| <b>Client Information</b>                                                                                                                                                                                                         |                       | Sample: <u>D170 Zuck</u>                                                     |  | Lab PM: Johnson, Orlotte S                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  | Carrier Tracking No(s):         |  | COC No: 480-182115-35611.6                               |  |                                   |                          |                            |              |                |                                                 |                                                |                            |            |            |          |             |             |           |                   |                       |         |             |              |          |          |            |         |                     |
| Client Contact: Mr. Glenn May                                                                                                                                                                                                     |                       | Phone: <u>716 866 8222</u>                                                   |  | E-Mail: Orlotte.Johnson@Eurofinset.com                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  | State of Origin: <u>NY</u>      |  | Page: Page 6 of 7                                        |  |                                   |                          |                            |              |                |                                                 |                                                |                            |            |            |          |             |             |           |                   |                       |         |             |              |          |          |            |         |                     |
| Company: New York State D.E.C.                                                                                                                                                                                                    |                       | PWSID:                                                                       |  | Analysis Requested                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |                                 |  |                                                          |  |                                   |                          |                            |              |                |                                                 |                                                |                            |            |            |          |             |             |           |                   |                       |         |             |              |          |          |            |         |                     |
| Address: 270 Michigan Avenue                                                                                                                                                                                                      |                       | Due Date Requested:                                                          |  | <table border="1"> <tr><td>Field Filtered Sample (Yes or No)</td></tr> <tr><td>8260C - TCL list OLM04.2</td></tr> <tr><td>8081B, 8082A, 82700</td></tr> <tr><td>6010C, 7471B</td></tr> <tr><td>6010C, 7470A</td></tr> <tr><td>8270D - (MOD) TCL SVOA - OLM04.2 + Benzoic Acid</td></tr> <tr><td>8081B - (MOD) TCL Pesticides - OLM04.2 + Mirex</td></tr> <tr><td>8082A - TCL PCBs - SOM01.0</td></tr> </table>                                                                                                                                                                                                                                   |  |                                 |  |                                                          |  | Field Filtered Sample (Yes or No) | 8260C - TCL list OLM04.2 | 8081B, 8082A, 82700        | 6010C, 7471B | 6010C, 7470A   | 8270D - (MOD) TCL SVOA - OLM04.2 + Benzoic Acid | 8081B - (MOD) TCL Pesticides - OLM04.2 + Mirex | 8082A - TCL PCBs - SOM01.0 |            |            |          |             |             |           |                   |                       |         |             |              |          |          |            |         |                     |
| Field Filtered Sample (Yes or No)                                                                                                                                                                                                 |                       |                                                                              |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |                                 |  |                                                          |  |                                   |                          |                            |              |                |                                                 |                                                |                            |            |            |          |             |             |           |                   |                       |         |             |              |          |          |            |         |                     |
| 8260C - TCL list OLM04.2                                                                                                                                                                                                          |                       |                                                                              |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |                                 |  |                                                          |  |                                   |                          |                            |              |                |                                                 |                                                |                            |            |            |          |             |             |           |                   |                       |         |             |              |          |          |            |         |                     |
| 8081B, 8082A, 82700                                                                                                                                                                                                               |                       |                                                                              |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |                                 |  |                                                          |  |                                   |                          |                            |              |                |                                                 |                                                |                            |            |            |          |             |             |           |                   |                       |         |             |              |          |          |            |         |                     |
| 6010C, 7471B                                                                                                                                                                                                                      |                       |                                                                              |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |                                 |  |                                                          |  |                                   |                          |                            |              |                |                                                 |                                                |                            |            |            |          |             |             |           |                   |                       |         |             |              |          |          |            |         |                     |
| 6010C, 7470A                                                                                                                                                                                                                      |                       |                                                                              |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |                                 |  |                                                          |  |                                   |                          |                            |              |                |                                                 |                                                |                            |            |            |          |             |             |           |                   |                       |         |             |              |          |          |            |         |                     |
| 8270D - (MOD) TCL SVOA - OLM04.2 + Benzoic Acid                                                                                                                                                                                   |                       |                                                                              |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |                                 |  |                                                          |  |                                   |                          |                            |              |                |                                                 |                                                |                            |            |            |          |             |             |           |                   |                       |         |             |              |          |          |            |         |                     |
| 8081B - (MOD) TCL Pesticides - OLM04.2 + Mirex                                                                                                                                                                                    |                       |                                                                              |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |                                 |  |                                                          |  |                                   |                          |                            |              |                |                                                 |                                                |                            |            |            |          |             |             |           |                   |                       |         |             |              |          |          |            |         |                     |
| 8082A - TCL PCBs - SOM01.0                                                                                                                                                                                                        |                       |                                                                              |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |                                 |  |                                                          |  |                                   |                          |                            |              |                |                                                 |                                                |                            |            |            |          |             |             |           |                   |                       |         |             |              |          |          |            |         |                     |
| City: Buffalo                                                                                                                                                                                                                     |                       | TAT Requested (days): <u>STD TAT</u>                                         |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |                                 |  |                                                          |  |                                   |                          |                            |              |                |                                                 |                                                |                            |            |            |          |             |             |           |                   |                       |         |             |              |          |          |            |         |                     |
| State, Zip: NY, 14203                                                                                                                                                                                                             |                       | Compliance Project: <input type="checkbox"/> Yes <input type="checkbox"/> No |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |                                 |  |                                                          |  |                                   |                          |                            |              |                |                                                 |                                                |                            |            |            |          |             |             |           |                   |                       |         |             |              |          |          |            |         |                     |
| Phone:                                                                                                                                                                                                                            |                       | PO #:                                                                        |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |                                 |  |                                                          |  |                                   |                          |                            |              |                |                                                 |                                                |                            |            |            |          |             |             |           |                   |                       |         |             |              |          |          |            |         |                     |
| Email: glenn.may@dec.ny.gov                                                                                                                                                                                                       |                       | CallOut ID: 136802                                                           |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |                                 |  |                                                          |  |                                   |                          |                            |              |                |                                                 |                                                |                            |            |            |          |             |             |           |                   |                       |         |             |              |          |          |            |         |                     |
| Project Name: Niagara Sanitation Wheatfield #932054                                                                                                                                                                               |                       | Project #: 48019690                                                          |  | Preservation Codes:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |                                 |  |                                                          |  |                                   |                          |                            |              |                |                                                 |                                                |                            |            |            |          |             |             |           |                   |                       |         |             |              |          |          |            |         |                     |
| Site:                                                                                                                                                                                                                             |                       | SSOW#:                                                                       |  | <table border="0"> <tr><td>A - HCL</td><td>M - Hexane</td></tr> <tr><td>B - NaOH</td><td>N - None</td></tr> <tr><td>C - Zn Acetate</td><td>O - AsNaO2</td></tr> <tr><td>D - Nitric Acid</td><td>P - Na2O4S</td></tr> <tr><td>E - NaHSO4</td><td>Q - Na2SO3</td></tr> <tr><td>F - MeOH</td><td>R - Na2S2O3</td></tr> <tr><td>G - Amchlor</td><td>S - H2SO4</td></tr> <tr><td>H - Ascorbic Acid</td><td>T - TSP Dodecahydrate</td></tr> <tr><td>I - Ice</td><td>U - Acetone</td></tr> <tr><td>J - DI Water</td><td>V - MCAA</td></tr> <tr><td>K - EDTA</td><td>W - pH 4-5</td></tr> <tr><td>L - EDA</td><td>Z - other (specify)</td></tr> </table> |  |                                 |  |                                                          |  | A - HCL                           | M - Hexane               | B - NaOH                   | N - None     | C - Zn Acetate | O - AsNaO2                                      | D - Nitric Acid                                | P - Na2O4S                 | E - NaHSO4 | Q - Na2SO3 | F - MeOH | R - Na2S2O3 | G - Amchlor | S - H2SO4 | H - Ascorbic Acid | T - TSP Dodecahydrate | I - Ice | U - Acetone | J - DI Water | V - MCAA | K - EDTA | W - pH 4-5 | L - EDA | Z - other (specify) |
| A - HCL                                                                                                                                                                                                                           | M - Hexane            |                                                                              |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |                                 |  |                                                          |  |                                   |                          |                            |              |                |                                                 |                                                |                            |            |            |          |             |             |           |                   |                       |         |             |              |          |          |            |         |                     |
| B - NaOH                                                                                                                                                                                                                          | N - None              |                                                                              |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |                                 |  |                                                          |  |                                   |                          |                            |              |                |                                                 |                                                |                            |            |            |          |             |             |           |                   |                       |         |             |              |          |          |            |         |                     |
| C - Zn Acetate                                                                                                                                                                                                                    | O - AsNaO2            |                                                                              |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |                                 |  |                                                          |  |                                   |                          |                            |              |                |                                                 |                                                |                            |            |            |          |             |             |           |                   |                       |         |             |              |          |          |            |         |                     |
| D - Nitric Acid                                                                                                                                                                                                                   | P - Na2O4S            |                                                                              |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |                                 |  |                                                          |  |                                   |                          |                            |              |                |                                                 |                                                |                            |            |            |          |             |             |           |                   |                       |         |             |              |          |          |            |         |                     |
| E - NaHSO4                                                                                                                                                                                                                        | Q - Na2SO3            |                                                                              |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |                                 |  |                                                          |  |                                   |                          |                            |              |                |                                                 |                                                |                            |            |            |          |             |             |           |                   |                       |         |             |              |          |          |            |         |                     |
| F - MeOH                                                                                                                                                                                                                          | R - Na2S2O3           |                                                                              |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |                                 |  |                                                          |  |                                   |                          |                            |              |                |                                                 |                                                |                            |            |            |          |             |             |           |                   |                       |         |             |              |          |          |            |         |                     |
| G - Amchlor                                                                                                                                                                                                                       | S - H2SO4             |                                                                              |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |                                 |  |                                                          |  |                                   |                          |                            |              |                |                                                 |                                                |                            |            |            |          |             |             |           |                   |                       |         |             |              |          |          |            |         |                     |
| H - Ascorbic Acid                                                                                                                                                                                                                 | T - TSP Dodecahydrate |                                                                              |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |                                 |  |                                                          |  |                                   |                          |                            |              |                |                                                 |                                                |                            |            |            |          |             |             |           |                   |                       |         |             |              |          |          |            |         |                     |
| I - Ice                                                                                                                                                                                                                           | U - Acetone           |                                                                              |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |                                 |  |                                                          |  |                                   |                          |                            |              |                |                                                 |                                                |                            |            |            |          |             |             |           |                   |                       |         |             |              |          |          |            |         |                     |
| J - DI Water                                                                                                                                                                                                                      | V - MCAA              |                                                                              |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |                                 |  |                                                          |  |                                   |                          |                            |              |                |                                                 |                                                |                            |            |            |          |             |             |           |                   |                       |         |             |              |          |          |            |         |                     |
| K - EDTA                                                                                                                                                                                                                          | W - pH 4-5            |                                                                              |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |                                 |  |                                                          |  |                                   |                          |                            |              |                |                                                 |                                                |                            |            |            |          |             |             |           |                   |                       |         |             |              |          |          |            |         |                     |
| L - EDA                                                                                                                                                                                                                           | Z - other (specify)   |                                                                              |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |                                 |  |                                                          |  |                                   |                          |                            |              |                |                                                 |                                                |                            |            |            |          |             |             |           |                   |                       |         |             |              |          |          |            |         |                     |
| Sample Identification                                                                                                                                                                                                             |                       | Sample Date                                                                  |  | Sample Time                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  | Sample Type (C=Comp, G=grab)    |  | Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air) |  | Total Number of Containers        |                          | Special Instructions/Note: |              |                |                                                 |                                                |                            |            |            |          |             |             |           |                   |                       |         |             |              |          |          |            |         |                     |
| SS-25-0212                                                                                                                                                                                                                        |                       | 6/21/21                                                                      |  | 1320                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  | C                               |  | Solid                                                    |  | X                                 |                          |                            |              |                |                                                 |                                                |                            |            |            |          |             |             |           |                   |                       |         |             |              |          |          |            |         |                     |
|                                                                                                                                                                                                                                   |                       |                                                                              |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |                                 |  | Solid                                                    |  |                                   |                          |                            |              |                |                                                 |                                                |                            |            |            |          |             |             |           |                   |                       |         |             |              |          |          |            |         |                     |
|                                                                                                                                                                                                                                   |                       |                                                                              |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |                                 |  | Solid                                                    |  |                                   |                          |                            |              |                |                                                 |                                                |                            |            |            |          |             |             |           |                   |                       |         |             |              |          |          |            |         |                     |
|                                                                                                                                                                                                                                   |                       |                                                                              |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |                                 |  | Solid                                                    |  |                                   |                          |                            |              |                |                                                 |                                                |                            |            |            |          |             |             |           |                   |                       |         |             |              |          |          |            |         |                     |
|                                                                                                                                                                                                                                   |                       |                                                                              |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |                                 |  | Solid                                                    |  |                                   |                          |                            |              |                |                                                 |                                                |                            |            |            |          |             |             |           |                   |                       |         |             |              |          |          |            |         |                     |
|                                                                                                                                                                                                                                   |                       |                                                                              |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |                                 |  | Solid                                                    |  |                                   |                          |                            |              |                |                                                 |                                                |                            |            |            |          |             |             |           |                   |                       |         |             |              |          |          |            |         |                     |
|                                                                                                                                                                                                                                   |                       |                                                                              |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |                                 |  | Solid                                                    |  |                                   |                          |                            |              |                |                                                 |                                                |                            |            |            |          |             |             |           |                   |                       |         |             |              |          |          |            |         |                     |
|                                                                                                                                                                                                                                   |                       |                                                                              |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |                                 |  | Solid                                                    |  |                                   |                          |                            |              |                |                                                 |                                                |                            |            |            |          |             |             |           |                   |                       |         |             |              |          |          |            |         |                     |
|                                                                                                                                                                                                                                   |                       |                                                                              |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |                                 |  | Solid                                                    |  |                                   |                          |                            |              |                |                                                 |                                                |                            |            |            |          |             |             |           |                   |                       |         |             |              |          |          |            |         |                     |
|                                                                                                                                                                                                                                   |                       |                                                                              |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |                                 |  | Solid                                                    |  |                                   |                          |                            |              |                |                                                 |                                                |                            |            |            |          |             |             |           |                   |                       |         |             |              |          |          |            |         |                     |
|                                                                                                                                                                                                                                   |                       |                                                                              |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |                                 |  | Solid                                                    |  |                                   |                          |                            |              |                |                                                 |                                                |                            |            |            |          |             |             |           |                   |                       |         |             |              |          |          |            |         |                     |
|                                                                                                                                                                                                                                   |                       |                                                                              |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |                                 |  | Water                                                    |  |                                   |                          |                            |              |                |                                                 |                                                |                            |            |            |          |             |             |           |                   |                       |         |             |              |          |          |            |         |                     |
| Possible Hazard Identification                                                                                                                                                                                                    |                       |                                                                              |  | Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |                                 |  |                                                          |  |                                   |                          |                            |              |                |                                                 |                                                |                            |            |            |          |             |             |           |                   |                       |         |             |              |          |          |            |         |                     |
| <input checked="" type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological |                       |                                                                              |  | <input type="checkbox"/> Return To Client <input checked="" type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |                                 |  |                                                          |  |                                   |                          |                            |              |                |                                                 |                                                |                            |            |            |          |             |             |           |                   |                       |         |             |              |          |          |            |         |                     |
| Deliverable Requested: I, II, III, IV, Other (specify)                                                                                                                                                                            |                       |                                                                              |  | Special Instructions/QC Requirements:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |                                 |  |                                                          |  |                                   |                          |                            |              |                |                                                 |                                                |                            |            |            |          |             |             |           |                   |                       |         |             |              |          |          |            |         |                     |
| Empty Kit Relinquished by:                                                                                                                                                                                                        |                       | Date:                                                                        |  | Time:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  | Method of Shipment:             |  |                                                          |  |                                   |                          |                            |              |                |                                                 |                                                |                            |            |            |          |             |             |           |                   |                       |         |             |              |          |          |            |         |                     |
| Relinquished by: <u>D-J Zuck</u>                                                                                                                                                                                                  |                       | Date/Time: <u>6/21/21 1430</u>                                               |  | Company: <u>AEI</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  | Received by:                    |  | Date/Time:                                               |  | Company:                          |                          |                            |              |                |                                                 |                                                |                            |            |            |          |             |             |           |                   |                       |         |             |              |          |          |            |         |                     |
| Relinquished by:                                                                                                                                                                                                                  |                       | Date/Time:                                                                   |  | Company:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  | Received by:                    |  | Date/Time:                                               |  | Company:                          |                          |                            |              |                |                                                 |                                                |                            |            |            |          |             |             |           |                   |                       |         |             |              |          |          |            |         |                     |
| Relinquished by:                                                                                                                                                                                                                  |                       | Date/Time:                                                                   |  | Company:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  | Received by: <u>[Signature]</u> |  | Date/Time: <u>6/21/21 1614</u>                           |  | Company: <u>TA</u>                |                          |                            |              |                |                                                 |                                                |                            |            |            |          |             |             |           |                   |                       |         |             |              |          |          |            |         |                     |
| Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No                                                                                                                                                    |                       | Custody Seal No.:                                                            |  | Cooler Temperature(s) °C and Other Remarks:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |                                 |  |                                                          |  |                                   |                          |                            |              |                |                                                 |                                                |                            |            |            |          |             |             |           |                   |                       |         |             |              |          |          |            |         |                     |

Ver: 11/01/2020



**eurolins** Environment Testing  
America

Ver: 11/01/2020

## Login Sample Receipt Checklist

Client: New York State D.E.C.

Job Number: 480-186319-1

**Login Number: 186319**

**List Source: Eurofins TestAmerica, Buffalo**

**List Number: 1**

**Creator: Sabuda, Brendan 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   | 3.5 3.2 3.6 #1 ICE |
| COC is present.                                                                  | True   |                    |
| COC is filled out in ink and legible.                                            | True   |                    |
| COC is filled out with all pertinent information.                                | True   |                    |
| Is the Field Sampler's name present on COC?                                      | True   |                    |
| There are no discrepancies between the sample IDs on the containers and the COC. | True   |                    |
| Samples are received within Holding Time (Excluding tests with immediate HTs)..  | True   |                    |
| Sample containers have legible labels.                                           | True   |                    |
| Containers are not broken or leaking.                                            | True   |                    |
| Sample collection date/times are provided.                                       | True   |                    |
| Appropriate sample containers are used.                                          | True   |                    |
| Sample bottles are completely filled.                                            | True   |                    |
| Sample Preservation Verified                                                     | True   |                    |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | True   |                    |
| VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.     | True   |                    |
| If necessary, staff have been informed of any short hold time or quick TAT needs | True   |                    |
| Multiphasic samples are not present.                                             | True   |                    |
| Samples do not require splitting or compositing.                                 | True   |                    |
| Sampling Company provided.                                                       | True   |                    |
| Samples received within 48 hours of sampling.                                    | True   |                    |
| Samples requiring field filtration have been filtered in the field.              | True   |                    |
| Chlorine Residual checked.                                                       | True   |                    |

## ANALYTICAL REPORT

Eurofins TestAmerica, Buffalo  
10 Hazelwood Drive  
Amherst, NY 14228-2298  
Tel: (716)691-2600

Laboratory Job ID: 480-186368-1

Client Project/Site: Niagara Sanitation Wheatfield #932054  
Revision: 1

**For:**

New York State D.E.C.  
270 Michigan Avenue  
Buffalo, New York 14203

Attn: Mr. Glenn May



Authorized for release by:

7/20/2021 6:16:54 PM

Judy Stone, Senior Project Manager  
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### LINKS

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results through

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*The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.*

*This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.*

*Results relate only to the items tested and the sample(s) as received by the laboratory.*

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.



---

Judy Stone  
Senior Project Manager  
7/20/2021 6:16:54 PM



# Table of Contents

|                                 |    |
|---------------------------------|----|
| Cover Page . . . . .            | 1  |
| Table of Contents . . . . .     | 3  |
| Definitions . . . . .           | 4  |
| Case Narrative . . . . .        | 6  |
| Client Sample Results . . . . . | 9  |
| Chronicle . . . . .             | 54 |
| Certification Summary . . . . . | 62 |
| Method Summary . . . . .        | 63 |
| Sample Summary . . . . .        | 64 |
| Chain of Custody . . . . .      | 65 |
| Receipt Checklists . . . . .    | 69 |



# Definitions/Glossary

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186368-1

## Qualifiers

### GC/MS Semi VOA

| Qualifier | Qualifier Description                                                                                          |
|-----------|----------------------------------------------------------------------------------------------------------------|
| *+        | LCS and/or LCSD is outside acceptance limits, high biased.                                                     |
| B         | Compound was found in the blank and sample.                                                                    |
| F1        | MS and/or MSD recovery exceeds control limits.                                                                 |
| H         | Sample was prepped or analyzed beyond the specified holding time                                               |
| J         | Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value. |
| S1-       | Surrogate recovery exceeds control limits, low biased.                                                         |

### GC Semi VOA

| Qualifier | Qualifier Description                                                                                          |
|-----------|----------------------------------------------------------------------------------------------------------------|
| B         | Compound was found in the blank and sample.                                                                    |
| F1        | MS and/or MSD recovery exceeds control limits.                                                                 |
| J         | Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value. |
| S1-       | Surrogate recovery exceeds control limits, low biased.                                                         |
| S1+       | Surrogate recovery exceeds control limits, high biased.                                                        |

### Metals

| Qualifier | Qualifier Description                                                                                          |
|-----------|----------------------------------------------------------------------------------------------------------------|
| ^+        | Continuing Calibration Verification (CCV) is outside acceptance limits, high biased.                           |
| ^6+       | Interference Check Standard (ICSA and/or ICSAB) is outside acceptance limits, high biased.                     |
| B         | Compound was found in the blank and sample.                                                                    |
| F1        | MS and/or MSD recovery exceeds control limits.                                                                 |
| J         | Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value. |

## 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                                                                                        |
| CFU            | Colony Forming Unit                                                                                         |
| CNF            | Contains No Free Liquid                                                                                     |
| DER            | Duplicate Error Ratio (normalized absolute difference)                                                      |
| Dil Fac        | Dilution Factor                                                                                             |
| DL             | Detection Limit (DoD/DOE)                                                                                   |
| DL, RA, RE, IN | Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample |
| DLC            | Decision Level Concentration (Radiochemistry)                                                               |
| EDL            | Estimated Detection Limit (Dioxin)                                                                          |
| LOD            | Limit of Detection (DoD/DOE)                                                                                |
| LOQ            | Limit of Quantitation (DoD/DOE)                                                                             |
| MCL            | EPA recommended "Maximum Contaminant Level"                                                                 |
| MDA            | Minimum Detectable Activity (Radiochemistry)                                                                |
| MDC            | Minimum Detectable Concentration (Radiochemistry)                                                           |
| MDL            | Method Detection Limit                                                                                      |
| ML             | Minimum Level (Dioxin)                                                                                      |
| MPN            | Most Probable Number                                                                                        |
| MQL            | Method Quantitation Limit                                                                                   |
| NC             | Not Calculated                                                                                              |
| ND             | Not Detected at the reporting limit (or MDL or EDL if shown)                                                |
| NEG            | Negative / Absent                                                                                           |
| POS            | Positive / Present                                                                                          |
| PQL            | Practical Quantitation Limit                                                                                |
| PRES           | Presumptive                                                                                                 |
| QC             | Quality Control                                                                                             |
| RER            | Relative Error Ratio (Radiochemistry)                                                                       |

Eurofins TestAmerica, Buffalo

## Definitions/Glossary

Client: New York State D.E.C.

Job ID: 480-186368-1

Project/Site: Niagara Sanitation Wheatfield #932054

### Glossary (Continued)

| Abbreviation | These commonly used abbreviations may or may not be present in this report.          |
|--------------|--------------------------------------------------------------------------------------|
| RL           | Reporting Limit or Requested Limit (Radiochemistry)                                  |
| RPD          | Relative Percent Difference, a measure of the relative difference between two points |
| TEF          | Toxicity Equivalent Factor (Dioxin)                                                  |
| TEQ          | Toxicity Equivalent Quotient (Dioxin)                                                |
| TNTC         | Too Numerous To Count                                                                |

# Case Narrative

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186368-1

## Job ID: 480-186368-1

### Laboratory: Eurofins TestAmerica, Buffalo

#### Narrative

#### Job Narrative 480-186368-1

#### Revision (1)

The report has been revised to include mirex in method 8081 and benzoic acid in method 8270 as requested by the client.

#### Receipt

The samples were received on 6/22/2021 12:15 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 3.6° C.

#### GC/MS Semi VOA

Method 8270D: The continuing calibration verification (CCV) associated with batch 480-587795 recovered above the upper control limit for Carbazole. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is impacted: FB-SS-03-210622 (480-186368-15).

Method 8270D: The laboratory control sample (LCS) for preparation batch 480-587140 and analytical batch 480-587795 recovered outside control limits for the following analytes: Carbazole. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method 8270D: The following compound has been spiked at a level above the upper range of the initial calibration: Benzaldehyde. The laboratory control sample (LCS) and/or laboratory control sample duplicate (LCSD) associated with preparation batch 480-587525 and analytical batch 480-588134 recovered within acceptable limits for this analyte and has been qualified with an "E" flag (LCS 480-587525/2-A)

Method 8270D: The following samples were diluted due to color and appearance: SS-04-0212 (480-186368-4) and SS-13-0212 (480-186368-14). Elevated reporting limits (RL) are provided.

Method 8270D: The following sample required a dilution due to color and appearance: SS-13-0212 (480-186368-14). Because of this dilution and an elevated final volume, the surrogate spike concentration in the sample was reduced to a level where the recovery calculation does not provide useful information.

Method 8270D: The following samples were diluted due to color and appearance: SS-13-0002 (480-186368-13), SS-13-0002 (480-186368-13[MS]) and SS-13-0002 (480-186368-13[MSD]). Elevated reporting limits (RL) are provided.

Method 8270D: The Method Blank (MB) for preparation batch 480-587140 and analytical batch 480-587795 contained Di-n-butyl phthalate over the reporting limit and the Laboratory Control Sample (LCS) recovered above the upper control limit for Di-n-butyl phthalate affecting the following sample(s): FB-SS-03-210622 (480-186368-15). The associated sample(s) was re-prepared and/or re-analyzed outside holding time with acceptable results. Both sets of 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 8081B: The %RPD between the primary and confirmation column exceeded 40% for Heptachlor for the following sample: SS-05-0212 (480-186368-6). The lower value(s) has been reported and qualified in accordance with the laboratory's SOP.

Method 8081B: The following samples were diluted due to the nature of the sample matrix: SS-04-0212 (480-186368-4), SS-13-0002 (480-186368-13) and SS-13-0212 (480-186368-14). As such, surrogate recoveries are below the calibration range, estimated and not representative. Elevated reporting limits (RLs) are provided.

Method 8081B: The following samples were diluted due to the nature of the sample matrix: SS-13-0002 (480-186368-13[MS]) and SS-13-0002 (480-186368-13[MSD]). As such, spike and surrogate recoveries are below the calibration range, estimated and not representative. Elevated reporting limits (RLs) are provided.

Method 8081B: The following sample was diluted due to the abundance of target analytes: SS-04-0002 (480-186368-3). As such, surrogate recoveries are below the calibration range, estimated and not representative. Elevated reporting limits (RLs) are provided.

# Case Narrative

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186368-1

## Job ID: 480-186368-1 (Continued)

### Laboratory: Eurofins TestAmerica, Buffalo (Continued)

Method 8082A: Surrogate recovery for the following sample was outside the upper control limit: SS-08-0212 (480-186368-12). This sample did not contain any target analytes; therefore, re-extraction and/or re-analysis was not performed.

Method 8082A: The continuing calibration verification (CCV) associated with batch 480-588119 recovered above the upper control limit for PCB-1221. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is impacted: SS-13-0212 (480-186368-14).

Method 8082A: The following sample was diluted due to the nature of the sample matrix: SS-13-0212 (480-186368-14). 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 6010C: The interference check standard solution (ICSA) associated with the following samples showed results for Barium at a level greater than 2 times the limit of detection (LOD). It is believed that the solution contains trace impurities of this element / these elements and the results are not due to matrix interference. These results are consistent with those found by the manufacturer of the ICSA solution. FB-SS-03-210622 (480-186368-15), (LCS 480-586695/2-A) and (MB 480-586695/1-A)

Method 6010C: The interference check standard solution (ICSA) associated with the following samples showed results for barium at a level greater than 2 times the limit of detection (LOD). It is believed that the solution contains trace impurities of this element and the results are not due to matrix interference. These results are consistent with those found by the manufacturer of the ICSA solution. SS-58-0212 (480-186368-1), SS-02-0002 (480-186368-2), SS-04-0002 (480-186368-3), SS-04-0212 (480-186368-4), SS-05-0002 (480-186368-5), SS-05-0212 (480-186368-6), SS-06-0002 (480-186368-7), SS-06-0212 (480-186368-8), SS-07-0002 (480-186368-9), SS-07-0212 (480-186368-10), SS-08-0002 (480-186368-11), SS-08-0212 (480-186368-12), SS-13-0002 (480-186368-13), SS-13-0002 (480-186368-13[MS]), SS-13-0002 (480-186368-13[MSD]), SS-13-0212 (480-186368-14), (LCSSRM 480-587621/2-A), (MB 480-587621/1-A), (480-186368-A-13-G PDS) and (480-186368-A-13-G SD ^5)

Method 6010C: The Low Level Continuing Calibration Verification, (CCVL 480-587900/31) associated with batch 480-587900, contained Total Iron above the upper quality control limit. The associated samples were either ND for the affected analyte or contained this analyte at a concentration greater than 10X the value found in the CCVL; therefore, re-analysis of samples SS-58-0212 (480-186368-1), SS-02-0002 (480-186368-2), SS-04-0002 (480-186368-3), SS-04-0212 (480-186368-4), SS-05-0002 (480-186368-5), SS-05-0212 (480-186368-6), SS-06-0002 (480-186368-7), SS-06-0212 (480-186368-8), SS-07-0002 (480-186368-9), SS-07-0212 (480-186368-10), SS-08-0002 (480-186368-11), (LCSSRM 480-587621/2-A) and (MB 480-587621/1-A) was not performed.

Method 6010C: The method blank for preparation batch 480-587621 and analytical batch 480-587900 contained Total Lead above the reporting limit (RL). Associated sample(s) SS-58-0212 (480-186368-1), SS-04-0002 (480-186368-3), SS-04-0212 (480-186368-4), SS-05-0002 (480-186368-5), SS-07-0002 (480-186368-9), SS-07-0212 (480-186368-10), SS-08-0002 (480-186368-11), SS-08-0212 (480-186368-12), SS-13-0002 (480-186368-13) and SS-13-0212 (480-186368-14) were not re-extracted and/or re-analyzed because results were greater than 10X the value found in the method blank.

Method 6010C: The Serial Dilution (480-186368-A-13-G SD ^5) in batch 480-587900, exhibited results outside the quality control limits for Total Aluminum, Barium, and Calcium. However, the Post Digestion Spike was compliant so no corrective action was necessary.

Method 6010C: The recovery of Post Spike, (480-186368-A-13-G PDS), in batch 480-587900 exhibited results outside the quality control limits for Total Iron. However, the Serial Dilution of this sample was compliant. Therefore, no corrective action was necessary.

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

### Organic Prep

Method 3550C: The following samples required a Florisil clean-up, via EPA Method 3620C, to reduce matrix interferences: SS-58-0212 (480-186368-1), SS-04-0002 (480-186368-3), SS-04-0212 (480-186368-4), SS-05-0002 (480-186368-5), SS-05-0212 (480-186368-6), SS-06-0002 (480-186368-7), SS-07-0002 (480-186368-9), SS-07-0212 (480-186368-10), SS-08-0002 (480-186368-11), SS-08-0212 (480-186368-12), SS-13-0002 (480-186368-13), SS-13-0002 (480-186368-13[MS]), SS-13-0002 (480-186368-13[MSD]) and SS-13-0212 (480-186368-14).

## Case Narrative

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186368-1

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### Job ID: 480-186368-1 (Continued)

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#### Laboratory: Eurofins TestAmerica, Buffalo (Continued)

Method 3550C: Due to the matrix, the following sample could not be concentrated to the final method required volume: SS-13-0212 (480-186368-14). The reporting limits (RLs) are elevated proportionately.

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

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186368-1

Client Sample ID: SS-58-0212

Lab Sample ID: 480-186368-1

Date Collected: 06/22/21 08:00

Matrix: Solid

Date Received: 06/22/21 12:15

Percent Solids: 84.7

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

| Analyte                       | Result | Qualifier | RL   | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|--------|-----------|------|-----|-------|---|----------------|----------------|---------|
| Biphenyl                      | ND     |           | 200  | 29  | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 21:46 | 1       |
| bis (2-chloroisopropyl) ether | ND     |           | 200  | 39  | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 21:46 | 1       |
| 2,4,5-Trichlorophenol         | ND     |           | 200  | 53  | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 21:46 | 1       |
| 2,4,6-Trichlorophenol         | ND     |           | 200  | 39  | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 21:46 | 1       |
| 2,4-Dichlorophenol            | ND     |           | 200  | 21  | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 21:46 | 1       |
| 2,4-Dimethylphenol            | ND     |           | 200  | 48  | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 21:46 | 1       |
| 2,4-Dinitrophenol             | ND     |           | 1900 | 910 | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 21:46 | 1       |
| 2,4-Dinitrotoluene            | ND     |           | 200  | 41  | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 21:46 | 1       |
| 2,6-Dinitrotoluene            | ND     |           | 200  | 23  | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 21:46 | 1       |
| 2-Chloronaphthalene           | ND     |           | 200  | 32  | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 21:46 | 1       |
| 2-Chlorophenol                | ND     |           | 380  | 36  | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 21:46 | 1       |
| 2-Methylnaphthalene           | ND     |           | 200  | 39  | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 21:46 | 1       |
| 2-Methylphenol                | ND     |           | 200  | 23  | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 21:46 | 1       |
| 2-Nitroaniline                | ND     |           | 380  | 29  | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 21:46 | 1       |
| 2-Nitrophenol                 | ND     |           | 200  | 56  | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 21:46 | 1       |
| 3,3'-Dichlorobenzidine        | ND     |           | 380  | 230 | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 21:46 | 1       |
| 3-Nitroaniline                | ND     |           | 380  | 55  | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 21:46 | 1       |
| 4,6-Dinitro-2-methylphenol    | ND     |           | 380  | 200 | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 21:46 | 1       |
| 4-Bromophenyl phenyl ether    | ND     |           | 200  | 28  | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 21:46 | 1       |
| 4-Chloro-3-methylphenol       | ND     |           | 200  | 49  | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 21:46 | 1       |
| 4-Chloroaniline               | ND     |           | 200  | 49  | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 21:46 | 1       |
| 4-Chlorophenyl phenyl ether   | ND     |           | 200  | 24  | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 21:46 | 1       |
| 4-Methylphenol                | ND     |           | 380  | 23  | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 21:46 | 1       |
| 4-Nitroaniline                | ND     |           | 380  | 100 | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 21:46 | 1       |
| 4-Nitrophenol                 | ND     |           | 380  | 140 | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 21:46 | 1       |
| Acenaphthene                  | ND     |           | 200  | 29  | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 21:46 | 1       |
| Acenaphthylene                | ND     |           | 200  | 26  | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 21:46 | 1       |
| Acetophenone                  | ND     |           | 200  | 27  | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 21:46 | 1       |
| Anthracene                    | ND     |           | 200  | 49  | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 21:46 | 1       |
| Atrazine                      | ND     |           | 200  | 68  | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 21:46 | 1       |
| Benzaldehyde                  | ND     |           | 200  | 160 | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 21:46 | 1       |
| Benzo(a)anthracene            | ND     |           | 200  | 20  | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 21:46 | 1       |
| Benzo(a)pyrene                | ND     |           | 200  | 29  | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 21:46 | 1       |
| Benzo(b)fluoranthene          | ND     |           | 200  | 31  | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 21:46 | 1       |
| Benzo(g,h,i)perylene          | ND     |           | 200  | 21  | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 21:46 | 1       |
| Benzo(k)fluoranthene          | ND     |           | 200  | 26  | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 21:46 | 1       |
| Bis(2-chloroethoxy)methane    | ND     |           | 200  | 42  | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 21:46 | 1       |
| Bis(2-chloroethyl)ether       | ND     |           | 200  | 26  | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 21:46 | 1       |
| Bis(2-ethylhexyl) phthalate   | ND     |           | 200  | 67  | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 21:46 | 1       |
| Butyl benzyl phthalate        | ND     |           | 200  | 32  | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 21:46 | 1       |
| Caprolactam                   | ND     |           | 200  | 59  | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 21:46 | 1       |
| Carbazole                     | ND     |           | 200  | 23  | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 21:46 | 1       |
| Chrysene                      | ND     |           | 200  | 44  | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 21:46 | 1       |
| Di-n-butyl phthalate          | 93     | J B       | 200  | 34  | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 21:46 | 1       |
| Di-n-octyl phthalate          | ND     |           | 200  | 23  | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 21:46 | 1       |
| Dibenz(a,h)anthracene         | ND     |           | 200  | 35  | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 21:46 | 1       |
| Dibenzofuran                  | ND     |           | 200  | 23  | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 21:46 | 1       |
| Diethyl phthalate             | ND     |           | 200  | 26  | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 21:46 | 1       |
| Dimethyl phthalate            | ND     |           | 200  | 23  | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 21:46 | 1       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186368-1

Client Sample ID: SS-58-0212

Lab Sample ID: 480-186368-1

Date Collected: 06/22/21 08:00

Matrix: Solid

Date Received: 06/22/21 12:15

Percent Solids: 84.7

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

| Analyte                   | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------------|--------|-----------|------|------|-------|---|----------------|----------------|---------|
| Fluoranthene              | ND     |           | 200  | 21   | ug/Kg | ✱ | 06/30/21 07:50 | 07/06/21 21:46 | 1       |
| Fluorene                  | ND     |           | 200  | 23   | ug/Kg | ✱ | 06/30/21 07:50 | 07/06/21 21:46 | 1       |
| Hexachlorobenzene         | ND     |           | 200  | 27   | ug/Kg | ✱ | 06/30/21 07:50 | 07/06/21 21:46 | 1       |
| Hexachlorobutadiene       | ND     |           | 200  | 29   | ug/Kg | ✱ | 06/30/21 07:50 | 07/06/21 21:46 | 1       |
| Hexachlorocyclopentadiene | ND     |           | 200  | 27   | ug/Kg | ✱ | 06/30/21 07:50 | 07/06/21 21:46 | 1       |
| Hexachloroethane          | ND     |           | 200  | 26   | ug/Kg | ✱ | 06/30/21 07:50 | 07/06/21 21:46 | 1       |
| Indeno(1,2,3-cd)pyrene    | ND     |           | 200  | 24   | ug/Kg | ✱ | 06/30/21 07:50 | 07/06/21 21:46 | 1       |
| Isophorone                | ND     |           | 200  | 42   | ug/Kg | ✱ | 06/30/21 07:50 | 07/06/21 21:46 | 1       |
| N-Nitrosodi-n-propylamine | ND     |           | 200  | 34   | ug/Kg | ✱ | 06/30/21 07:50 | 07/06/21 21:46 | 1       |
| N-Nitrosodiphenylamine    | ND     |           | 200  | 160  | ug/Kg | ✱ | 06/30/21 07:50 | 07/06/21 21:46 | 1       |
| Naphthalene               | ND     |           | 200  | 26   | ug/Kg | ✱ | 06/30/21 07:50 | 07/06/21 21:46 | 1       |
| Nitrobenzene              | ND     |           | 200  | 22   | ug/Kg | ✱ | 06/30/21 07:50 | 07/06/21 21:46 | 1       |
| Pentachlorophenol         | ND     |           | 380  | 200  | ug/Kg | ✱ | 06/30/21 07:50 | 07/06/21 21:46 | 1       |
| Phenanthrene              | ND     |           | 200  | 29   | ug/Kg | ✱ | 06/30/21 07:50 | 07/06/21 21:46 | 1       |
| Phenol                    | ND     |           | 200  | 30   | ug/Kg | ✱ | 06/30/21 07:50 | 07/06/21 21:46 | 1       |
| Pyrene                    | ND     |           | 200  | 23   | ug/Kg | ✱ | 06/30/21 07:50 | 07/06/21 21:46 | 1       |
| Benzoic acid              | ND     | *+        | 5600 | 1700 | ug/Kg | ✱ | 06/30/21 07:50 | 07/06/21 21:46 | 1       |

| Surrogate            | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 2,4,6-Tribromophenol | 98        |           | 54 - 120 | 06/30/21 07:50 | 07/06/21 21:46 | 1       |
| 2-Fluorobiphenyl     | 68        |           | 60 - 120 | 06/30/21 07:50 | 07/06/21 21:46 | 1       |
| 2-Fluorophenol       | 52        |           | 52 - 120 | 06/30/21 07:50 | 07/06/21 21:46 | 1       |
| Nitrobenzene-d5      | 61        |           | 53 - 120 | 06/30/21 07:50 | 07/06/21 21:46 | 1       |
| p-Terphenyl-d14      | 105       |           | 79 - 130 | 06/30/21 07:50 | 07/06/21 21:46 | 1       |
| Phenol-d5            | 57        |           | 54 - 120 | 06/30/21 07:50 | 07/06/21 21:46 | 1       |

## Method: 8081B - Organochlorine Pesticides (GC)

| Analyte             | Result | Qualifier | RL  | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|--------|-----------|-----|------|-------|---|----------------|----------------|---------|
| 4,4'-DDD            | ND     |           | 1.9 | 0.38 | ug/Kg | ✱ | 06/29/21 07:46 | 06/30/21 12:24 | 1       |
| 4,4'-DDE            | ND     |           | 1.9 | 0.41 | ug/Kg | ✱ | 06/29/21 07:46 | 06/30/21 12:24 | 1       |
| 4,4'-DDT            | ND     |           | 1.9 | 0.45 | ug/Kg | ✱ | 06/29/21 07:46 | 06/30/21 12:24 | 1       |
| Aldrin              | ND     |           | 1.9 | 0.48 | ug/Kg | ✱ | 06/29/21 07:46 | 06/30/21 12:24 | 1       |
| alpha-BHC           | ND     |           | 1.9 | 0.35 | ug/Kg | ✱ | 06/29/21 07:46 | 06/30/21 12:24 | 1       |
| cis-Chlordane       | ND     |           | 1.9 | 0.97 | ug/Kg | ✱ | 06/29/21 07:46 | 06/30/21 12:24 | 1       |
| beta-BHC            | 1.7    | J         | 1.9 | 0.35 | ug/Kg | ✱ | 06/29/21 07:46 | 06/30/21 12:24 | 1       |
| delta-BHC           | ND     |           | 1.9 | 0.36 | ug/Kg | ✱ | 06/29/21 07:46 | 06/30/21 12:24 | 1       |
| Dieldrin            | ND     |           | 1.9 | 0.47 | ug/Kg | ✱ | 06/29/21 07:46 | 06/30/21 12:24 | 1       |
| Endosulfan I        | ND     |           | 1.9 | 0.37 | ug/Kg | ✱ | 06/29/21 07:46 | 06/30/21 12:24 | 1       |
| Endosulfan II       | ND     |           | 1.9 | 0.35 | ug/Kg | ✱ | 06/29/21 07:46 | 06/30/21 12:24 | 1       |
| Endosulfan sulfate  | ND     |           | 1.9 | 0.36 | ug/Kg | ✱ | 06/29/21 07:46 | 06/30/21 12:24 | 1       |
| Endrin              | ND     |           | 1.9 | 0.38 | ug/Kg | ✱ | 06/29/21 07:46 | 06/30/21 12:24 | 1       |
| Endrin aldehyde     | ND     |           | 1.9 | 0.50 | ug/Kg | ✱ | 06/29/21 07:46 | 06/30/21 12:24 | 1       |
| Endrin ketone       | ND     |           | 1.9 | 0.48 | ug/Kg | ✱ | 06/29/21 07:46 | 06/30/21 12:24 | 1       |
| gamma-BHC (Lindane) | ND     |           | 1.9 | 0.36 | ug/Kg | ✱ | 06/29/21 07:46 | 06/30/21 12:24 | 1       |
| trans-Chlordane     | ND     |           | 1.9 | 0.62 | ug/Kg | ✱ | 06/29/21 07:46 | 06/30/21 12:24 | 1       |
| Heptachlor          | ND     |           | 1.9 | 0.42 | ug/Kg | ✱ | 06/29/21 07:46 | 06/30/21 12:24 | 1       |
| Heptachlor epoxide  | ND     |           | 1.9 | 0.50 | ug/Kg | ✱ | 06/29/21 07:46 | 06/30/21 12:24 | 1       |
| Methoxychlor        | ND     |           | 1.9 | 0.40 | ug/Kg | ✱ | 06/29/21 07:46 | 06/30/21 12:24 | 1       |
| Toxaphene           | ND     |           | 19  | 11   | ug/Kg | ✱ | 06/29/21 07:46 | 06/30/21 12:24 | 1       |
| Mirex               | ND     |           | 1.9 | 0.47 | ug/Kg | ✱ | 06/29/21 07:46 | 06/30/21 12:24 | 1       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186368-1

Client Sample ID: SS-58-0212

Lab Sample ID: 480-186368-1

Date Collected: 06/22/21 08:00

Matrix: Solid

Date Received: 06/22/21 12:15

Percent Solids: 84.7

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| DCB Decachlorobiphenyl | 86        |           | 45 - 120 | 06/29/21 07:46 | 06/30/21 12:24 | 1       |
| DCB Decachlorobiphenyl | 68        |           | 45 - 120 | 06/29/21 07:46 | 06/30/21 12:24 | 1       |
| Tetrachloro-m-xylene   | 80        |           | 30 - 124 | 06/29/21 07:46 | 06/30/21 12:24 | 1       |
| Tetrachloro-m-xylene   | 58        |           | 30 - 124 | 06/29/21 07:46 | 06/30/21 12:24 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| PCB-1016 | ND     |           | 0.21 | 0.042 | mg/Kg | ☆ | 07/01/21 15:01 | 07/05/21 22:28 | 1       |
| PCB-1221 | ND     |           | 0.21 | 0.042 | mg/Kg | ☆ | 07/01/21 15:01 | 07/05/21 22:28 | 1       |
| PCB-1232 | ND     |           | 0.21 | 0.042 | mg/Kg | ☆ | 07/01/21 15:01 | 07/05/21 22:28 | 1       |
| PCB-1242 | ND     |           | 0.21 | 0.042 | mg/Kg | ☆ | 07/01/21 15:01 | 07/05/21 22:28 | 1       |
| PCB-1248 | ND     |           | 0.21 | 0.042 | mg/Kg | ☆ | 07/01/21 15:01 | 07/05/21 22:28 | 1       |
| PCB-1254 | ND     |           | 0.21 | 0.10  | mg/Kg | ☆ | 07/01/21 15:01 | 07/05/21 22:28 | 1       |
| PCB-1260 | ND     |           | 0.21 | 0.10  | mg/Kg | ☆ | 07/01/21 15:01 | 07/05/21 22:28 | 1       |
| PCB-1262 | ND     |           | 0.21 | 0.10  | mg/Kg | ☆ | 07/01/21 15:01 | 07/05/21 22:28 | 1       |
| PCB-1268 | ND     |           | 0.21 | 0.10  | mg/Kg | ☆ | 07/01/21 15:01 | 07/05/21 22:28 | 1       |

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| Tetrachloro-m-xylene   | 131       |           | 60 - 154 | 07/01/21 15:01 | 07/05/21 22:28 | 1       |
| Tetrachloro-m-xylene   | 138       |           | 60 - 154 | 07/01/21 15:01 | 07/05/21 22:28 | 1       |
| DCB Decachlorobiphenyl | 133       |           | 65 - 174 | 07/01/21 15:01 | 07/05/21 22:28 | 1       |
| DCB Decachlorobiphenyl | 123       |           | 65 - 174 | 07/01/21 15:01 | 07/05/21 22:28 | 1       |

## Method: 6010C - Metals (ICP)

| Analyte   | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| Aluminum  | 12900  |           | 11.5 | 5.1   | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 18:38 | 1       |
| Antimony  | ND     |           | 17.3 | 0.46  | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 18:38 | 1       |
| Arsenic   | 3.8    |           | 2.3  | 0.46  | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 18:38 | 1       |
| Barium    | 76.5   | ^6+       | 0.58 | 0.13  | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 18:38 | 1       |
| Beryllium | 0.58   |           | 0.23 | 0.032 | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 18:38 | 1       |
| Cadmium   | 0.29   |           | 0.23 | 0.035 | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 18:38 | 1       |
| Calcium   | 52700  | B         | 57.7 | 3.8   | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 18:38 | 1       |
| Chromium  | 17.5   |           | 0.58 | 0.23  | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 18:38 | 1       |
| Cobalt    | 8.9    |           | 0.58 | 0.058 | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 18:38 | 1       |
| Copper    | 17.8   |           | 1.2  | 0.24  | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 18:38 | 1       |
| Iron      | 17000  | ^+        | 11.5 | 4.0   | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 18:38 | 1       |
| Lead      | 19.7   | B         | 1.2  | 0.28  | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 18:38 | 1       |
| Magnesium | 15200  |           | 23.1 | 1.1   | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 18:38 | 1       |
| Manganese | 447    | B         | 0.23 | 0.037 | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 18:38 | 1       |
| Nickel    | 20.9   |           | 5.8  | 0.27  | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 18:38 | 1       |
| Potassium | 3290   |           | 34.6 | 23.1  | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 18:38 | 1       |
| Selenium  | 1.0    | J         | 4.6  | 0.46  | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 18:38 | 1       |
| Silver    | ND     |           | 0.69 | 0.23  | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 18:38 | 1       |
| Sodium    | 221    |           | 162  | 15.0  | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 18:38 | 1       |
| Thallium  | ND     |           | 6.9  | 0.35  | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 18:38 | 1       |
| Vanadium  | 26.8   |           | 0.58 | 0.13  | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 18:38 | 1       |
| Zinc      | 62.4   |           | 2.3  | 0.74  | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 18:38 | 1       |

## Method: 7471B - Mercury (CVAA)

| Analyte | Result | Qualifier | RL    | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------|--------|-----------|-------|-------|-------|---|----------------|----------------|---------|
| Mercury | 0.057  |           | 0.050 | 0.012 | mg/Kg | ☆ | 07/01/21 13:35 | 07/01/21 15:43 | 1       |

Eurofins TestAmerica, Buffalo

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186368-1

Client Sample ID: SS-02-0002

Lab Sample ID: 480-186368-2

Date Collected: 06/22/21 10:32

Matrix: Solid

Date Received: 06/22/21 12:15

Percent Solids: 42.6

## Method: 6010C - Metals (ICP)

| Analyte   | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| Aluminum  | 24800  |           | 23.9 | 10.5  | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 18:42 | 1       |
| Antimony  | ND     |           | 35.8 | 0.96  | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 18:42 | 1       |
| Arsenic   | 7.7    |           | 4.8  | 0.96  | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 18:42 | 1       |
| Barium    | 142    | ^6+       | 1.2  | 0.26  | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 18:42 | 1       |
| Beryllium | 1.2    |           | 0.48 | 0.067 | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 18:42 | 1       |
| Cadmium   | 0.78   |           | 0.48 | 0.072 | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 18:42 | 1       |
| Calcium   | 90000  | B         | 119  | 7.9   | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 18:42 | 1       |
| Chromium  | 34.6   |           | 1.2  | 0.48  | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 18:42 | 1       |
| Cobalt    | 17.2   |           | 1.2  | 0.12  | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 18:42 | 1       |
| Copper    | 34.5   |           | 2.4  | 0.50  | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 18:42 | 1       |
| Iron      | 34300  | ^+        | 23.9 | 8.4   | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 18:42 | 1       |
| Lead      | 27.8   |           | 2.3  | 0.56  | mg/Kg | ☆ | 07/07/21 09:52 | 07/08/21 02:39 | 1       |
| Magnesium | 29100  |           | 47.8 | 2.2   | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 18:42 | 1       |
| Manganese | 1090   | B         | 0.48 | 0.076 | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 18:42 | 1       |
| Nickel    | 41.1   |           | 11.9 | 0.55  | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 18:42 | 1       |
| Potassium | 7150   |           | 71.7 | 47.8  | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 18:42 | 1       |
| Selenium  | 1.8    | J         | 9.6  | 0.96  | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 18:42 | 1       |
| Silver    | ND     |           | 1.4  | 0.48  | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 18:42 | 1       |
| Sodium    | 452    |           | 334  | 31.1  | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 18:42 | 1       |
| Thallium  | ND     |           | 14.3 | 0.72  | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 18:42 | 1       |
| Vanadium  | 52.9   |           | 1.2  | 0.26  | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 18:42 | 1       |
| Zinc      | 113    |           | 4.8  | 1.5   | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 18:42 | 1       |

## Method: 7471B - Mercury (CVAA)

| Analyte | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| Mercury | 0.90   |           | 0.12 | 0.028 | mg/Kg | ☆ | 07/01/21 13:35 | 07/01/21 15:47 | 1       |

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186368-1

Client Sample ID: SS-04-0002

Lab Sample ID: 480-186368-3

Date Collected: 06/22/21 10:15

Matrix: Solid

Date Received: 06/22/21 12:15

Percent Solids: 68.2

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

| Analyte                       | Result  | Qualifier | RL   | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|---------|-----------|------|------|-------|---|----------------|----------------|---------|
| Biphenyl                      | ND      |           | 240  | 36   | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 22:10 | 1       |
| bis (2-chloroisopropyl) ether | ND      |           | 240  | 49   | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 22:10 | 1       |
| 2,4,5-Trichlorophenol         | ND      |           | 240  | 66   | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 22:10 | 1       |
| 2,4,6-Trichlorophenol         | ND      |           | 240  | 49   | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 22:10 | 1       |
| 2,4-Dichlorophenol            | ND      |           | 240  | 26   | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 22:10 | 1       |
| 2,4-Dimethylphenol            | ND      |           | 240  | 59   | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 22:10 | 1       |
| 2,4-Dinitrophenol             | ND      |           | 2400 | 1100 | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 22:10 | 1       |
| 2,4-Dinitrotoluene            | ND      |           | 240  | 50   | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 22:10 | 1       |
| 2,6-Dinitrotoluene            | ND      |           | 240  | 29   | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 22:10 | 1       |
| 2-Chloronaphthalene           | ND      |           | 240  | 40   | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 22:10 | 1       |
| 2-Chlorophenol                | ND      |           | 470  | 44   | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 22:10 | 1       |
| 2-Methylnaphthalene           | ND      |           | 240  | 49   | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 22:10 | 1       |
| 2-Methylphenol                | ND      |           | 240  | 29   | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 22:10 | 1       |
| 2-Nitroaniline                | ND      |           | 470  | 36   | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 22:10 | 1       |
| 2-Nitrophenol                 | ND      |           | 240  | 69   | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 22:10 | 1       |
| 3,3'-Dichlorobenzidine        | ND      |           | 470  | 290  | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 22:10 | 1       |
| 3-Nitroaniline                | ND      |           | 470  | 67   | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 22:10 | 1       |
| 4,6-Dinitro-2-methylphenol    | ND      |           | 470  | 240  | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 22:10 | 1       |
| 4-Bromophenyl phenyl ether    | ND      |           | 240  | 34   | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 22:10 | 1       |
| 4-Chloro-3-methylphenol       | ND      |           | 240  | 60   | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 22:10 | 1       |
| 4-Chloroaniline               | ND      |           | 240  | 60   | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 22:10 | 1       |
| 4-Chlorophenyl phenyl ether   | ND      |           | 240  | 30   | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 22:10 | 1       |
| 4-Methylphenol                | ND      |           | 470  | 29   | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 22:10 | 1       |
| 4-Nitroaniline                | ND      |           | 470  | 130  | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 22:10 | 1       |
| 4-Nitrophenol                 | ND      |           | 470  | 170  | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 22:10 | 1       |
| Acenaphthene                  | ND      |           | 240  | 36   | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 22:10 | 1       |
| Acenaphthylene                | ND      |           | 240  | 31   | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 22:10 | 1       |
| Acetophenone                  | ND      |           | 240  | 33   | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 22:10 | 1       |
| Anthracene                    | ND      |           | 240  | 60   | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 22:10 | 1       |
| Atrazine                      | ND      |           | 240  | 84   | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 22:10 | 1       |
| Benzaldehyde                  | ND      |           | 240  | 190  | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 22:10 | 1       |
| Benzo(a)anthracene            | 140 J   |           | 240  | 24   | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 22:10 | 1       |
| Benzo(a)pyrene                | 150 J   |           | 240  | 36   | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 22:10 | 1       |
| Benzo(b)fluoranthene          | 190 J   |           | 240  | 39   | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 22:10 | 1       |
| Benzo(g,h,i)perylene          | 110 J   |           | 240  | 26   | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 22:10 | 1       |
| Benzo(k)fluoranthene          | 87 J    |           | 240  | 31   | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 22:10 | 1       |
| Bis(2-chloroethoxy)methane    | ND      |           | 240  | 52   | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 22:10 | 1       |
| Bis(2-chloroethyl)ether       | ND      |           | 240  | 31   | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 22:10 | 1       |
| Bis(2-ethylhexyl) phthalate   | 180 J   |           | 240  | 83   | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 22:10 | 1       |
| Butyl benzyl phthalate        | ND      |           | 240  | 40   | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 22:10 | 1       |
| Caprolactam                   | ND      |           | 240  | 73   | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 22:10 | 1       |
| Carbazole                     | ND      |           | 240  | 29   | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 22:10 | 1       |
| Chrysene                      | 160 J   |           | 240  | 54   | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 22:10 | 1       |
| Di-n-butyl phthalate          | 190 J B |           | 240  | 42   | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 22:10 | 1       |
| Di-n-octyl phthalate          | ND      |           | 240  | 29   | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 22:10 | 1       |
| Dibenz(a,h)anthracene         | 44 J    |           | 240  | 43   | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 22:10 | 1       |
| Dibenzofuran                  | ND      |           | 240  | 29   | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 22:10 | 1       |
| Diethyl phthalate             | ND      |           | 240  | 31   | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 22:10 | 1       |
| Dimethyl phthalate            | ND      |           | 240  | 29   | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 22:10 | 1       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186368-1

Client Sample ID: SS-04-0002

Lab Sample ID: 480-186368-3

Date Collected: 06/22/21 10:15

Matrix: Solid

Date Received: 06/22/21 12:15

Percent Solids: 68.2

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

| Analyte                   | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------------|--------|-----------|------|------|-------|---|----------------|----------------|---------|
| Fluoranthene              | 210    | J         | 240  | 26   | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 22:10 | 1       |
| Fluorene                  | ND     |           | 240  | 29   | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 22:10 | 1       |
| Hexachlorobenzene         | ND     |           | 240  | 33   | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 22:10 | 1       |
| Hexachlorobutadiene       | ND     |           | 240  | 36   | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 22:10 | 1       |
| Hexachlorocyclopentadiene | ND     |           | 240  | 33   | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 22:10 | 1       |
| Hexachloroethane          | ND     |           | 240  | 31   | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 22:10 | 1       |
| Indeno(1,2,3-cd)pyrene    | 97     | J         | 240  | 30   | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 22:10 | 1       |
| Isophorone                | ND     |           | 240  | 52   | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 22:10 | 1       |
| N-Nitrosodi-n-propylamine | ND     |           | 240  | 42   | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 22:10 | 1       |
| N-Nitrosodiphenylamine    | ND     |           | 240  | 200  | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 22:10 | 1       |
| Naphthalene               | ND     |           | 240  | 31   | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 22:10 | 1       |
| Nitrobenzene              | ND     |           | 240  | 27   | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 22:10 | 1       |
| Pentachlorophenol         | ND     |           | 470  | 240  | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 22:10 | 1       |
| Phenanthrene              | 96     | J         | 240  | 36   | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 22:10 | 1       |
| Phenol                    | ND     |           | 240  | 37   | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 22:10 | 1       |
| Pyrene                    | 180    | J         | 240  | 29   | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 22:10 | 1       |
| Benzoic acid              | ND     | *+        | 6900 | 2100 | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 22:10 | 1       |

| Surrogate            | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 2,4,6-Tribromophenol | 110       |           | 54 - 120 | 06/30/21 07:50 | 07/06/21 22:10 | 1       |
| 2-Fluorobiphenyl     | 87        |           | 60 - 120 | 06/30/21 07:50 | 07/06/21 22:10 | 1       |
| 2-Fluorophenol       | 67        |           | 52 - 120 | 06/30/21 07:50 | 07/06/21 22:10 | 1       |
| Nitrobenzene-d5      | 74        |           | 53 - 120 | 06/30/21 07:50 | 07/06/21 22:10 | 1       |
| p-Terphenyl-d14      | 115       |           | 79 - 130 | 06/30/21 07:50 | 07/06/21 22:10 | 1       |
| Phenol-d5            | 74        |           | 54 - 120 | 06/30/21 07:50 | 07/06/21 22:10 | 1       |

## Method: 8081B - Organochlorine Pesticides (GC)

| Analyte             | Result | Qualifier | RL  | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|--------|-----------|-----|-----|-------|---|----------------|----------------|---------|
| 4,4'-DDD            | 16     | J         | 24  | 4.7 | ug/Kg | ☆ | 06/29/21 07:46 | 07/01/21 08:54 | 10      |
| 4,4'-DDE            | 170    |           | 24  | 5.1 | ug/Kg | ☆ | 06/29/21 07:46 | 07/01/21 08:54 | 10      |
| 4,4'-DDT            | 150    |           | 24  | 5.7 | ug/Kg | ☆ | 06/29/21 07:46 | 07/01/21 08:54 | 10      |
| Aldrin              | ND     |           | 24  | 6.0 | ug/Kg | ☆ | 06/29/21 07:46 | 07/01/21 08:54 | 10      |
| alpha-BHC           | ND     |           | 24  | 4.4 | ug/Kg | ☆ | 06/29/21 07:46 | 07/01/21 08:54 | 10      |
| cis-Chlordane       | ND     |           | 24  | 12  | ug/Kg | ☆ | 06/29/21 07:46 | 07/01/21 08:54 | 10      |
| beta-BHC            | ND     |           | 24  | 4.4 | ug/Kg | ☆ | 06/29/21 07:46 | 07/01/21 08:54 | 10      |
| delta-BHC           | ND     |           | 24  | 4.5 | ug/Kg | ☆ | 06/29/21 07:46 | 07/01/21 08:54 | 10      |
| Dieldrin            | ND     |           | 24  | 5.8 | ug/Kg | ☆ | 06/29/21 07:46 | 07/01/21 08:54 | 10      |
| Endosulfan I        | ND     |           | 24  | 4.7 | ug/Kg | ☆ | 06/29/21 07:46 | 07/01/21 08:54 | 10      |
| Endosulfan II       | ND     |           | 24  | 4.4 | ug/Kg | ☆ | 06/29/21 07:46 | 07/01/21 08:54 | 10      |
| Endosulfan sulfate  | ND     |           | 24  | 4.5 | ug/Kg | ☆ | 06/29/21 07:46 | 07/01/21 08:54 | 10      |
| Endrin              | ND     |           | 24  | 4.8 | ug/Kg | ☆ | 06/29/21 07:46 | 07/01/21 08:54 | 10      |
| Endrin aldehyde     | ND     |           | 24  | 6.2 | ug/Kg | ☆ | 06/29/21 07:46 | 07/01/21 08:54 | 10      |
| Endrin ketone       | ND     |           | 24  | 6.0 | ug/Kg | ☆ | 06/29/21 07:46 | 07/01/21 08:54 | 10      |
| gamma-BHC (Lindane) | ND     |           | 24  | 4.5 | ug/Kg | ☆ | 06/29/21 07:46 | 07/01/21 08:54 | 10      |
| trans-Chlordane     | 15     | J         | 24  | 7.7 | ug/Kg | ☆ | 06/29/21 07:46 | 07/01/21 08:54 | 10      |
| Heptachlor          | ND     |           | 24  | 5.3 | ug/Kg | ☆ | 06/29/21 07:46 | 07/01/21 08:54 | 10      |
| Heptachlor epoxide  | ND     |           | 24  | 6.3 | ug/Kg | ☆ | 06/29/21 07:46 | 07/01/21 08:54 | 10      |
| Methoxychlor        | ND     |           | 24  | 4.9 | ug/Kg | ☆ | 06/29/21 07:46 | 07/01/21 08:54 | 10      |
| Toxaphene           | ND     |           | 240 | 140 | ug/Kg | ☆ | 06/29/21 07:46 | 07/01/21 08:54 | 10      |
| Mirex               | ND     |           | 24  | 5.9 | ug/Kg | ☆ | 06/29/21 07:46 | 07/01/21 08:54 | 10      |

Eurofins TestAmerica, Buffalo

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186368-1

Client Sample ID: SS-04-0002

Lab Sample ID: 480-186368-3

Date Collected: 06/22/21 10:15

Matrix: Solid

Date Received: 06/22/21 12:15

Percent Solids: 68.2

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| DCB Decachlorobiphenyl | 98        |           | 45 - 120 | 06/29/21 07:46 | 07/01/21 08:54 | 10      |
| DCB Decachlorobiphenyl | 72        |           | 45 - 120 | 06/29/21 07:46 | 07/01/21 08:54 | 10      |
| Tetrachloro-m-xylene   | 0         | S1-       | 30 - 124 | 06/29/21 07:46 | 07/01/21 08:54 | 10      |
| Tetrachloro-m-xylene   | 0         | S1-       | 30 - 124 | 06/29/21 07:46 | 07/01/21 08:54 | 10      |

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

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| PCB-1016 | ND     |           | 0.31 | 0.061 | mg/Kg | ☆ | 07/01/21 15:01 | 07/05/21 22:41 | 1       |
| PCB-1221 | ND     |           | 0.31 | 0.061 | mg/Kg | ☆ | 07/01/21 15:01 | 07/05/21 22:41 | 1       |
| PCB-1232 | ND     |           | 0.31 | 0.061 | mg/Kg | ☆ | 07/01/21 15:01 | 07/05/21 22:41 | 1       |
| PCB-1242 | ND     |           | 0.31 | 0.061 | mg/Kg | ☆ | 07/01/21 15:01 | 07/05/21 22:41 | 1       |
| PCB-1248 | ND     |           | 0.31 | 0.061 | mg/Kg | ☆ | 07/01/21 15:01 | 07/05/21 22:41 | 1       |
| PCB-1254 | 0.28   | J         | 0.31 | 0.15  | mg/Kg | ☆ | 07/01/21 15:01 | 07/05/21 22:41 | 1       |
| PCB-1260 | ND     |           | 0.31 | 0.15  | mg/Kg | ☆ | 07/01/21 15:01 | 07/05/21 22:41 | 1       |
| PCB-1262 | ND     |           | 0.31 | 0.15  | mg/Kg | ☆ | 07/01/21 15:01 | 07/05/21 22:41 | 1       |
| PCB-1268 | ND     |           | 0.31 | 0.15  | mg/Kg | ☆ | 07/01/21 15:01 | 07/05/21 22:41 | 1       |

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| Tetrachloro-m-xylene   | 117       |           | 60 - 154 | 07/01/21 15:01 | 07/05/21 22:41 | 1       |
| Tetrachloro-m-xylene   | 121       |           | 60 - 154 | 07/01/21 15:01 | 07/05/21 22:41 | 1       |
| DCB Decachlorobiphenyl | 111       |           | 65 - 174 | 07/01/21 15:01 | 07/05/21 22:41 | 1       |
| DCB Decachlorobiphenyl | 101       |           | 65 - 174 | 07/01/21 15:01 | 07/05/21 22:41 | 1       |

## Method: 6010C - Metals (ICP)

| Analyte   | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| Aluminum  | 10700  |           | 14.9 | 6.6   | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 18:57 | 1       |
| Antimony  | ND     |           | 22.4 | 0.60  | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 18:57 | 1       |
| Arsenic   | 5.8    |           | 3.0  | 0.60  | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 18:57 | 1       |
| Barium    | 95.7   | ^6+       | 0.75 | 0.16  | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 18:57 | 1       |
| Beryllium | 0.48   |           | 0.30 | 0.042 | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 18:57 | 1       |
| Cadmium   | 4.6    |           | 0.30 | 0.045 | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 18:57 | 1       |
| Calcium   | 31100  | B         | 74.6 | 4.9   | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 18:57 | 1       |
| Chromium  | 32.5   |           | 0.75 | 0.30  | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 18:57 | 1       |
| Cobalt    | 8.6    |           | 0.75 | 0.075 | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 18:57 | 1       |
| Copper    | 64.4   |           | 1.5  | 0.31  | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 18:57 | 1       |
| Iron      | 34700  | ^+        | 14.9 | 5.2   | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 18:57 | 1       |
| Lead      | 85.5   | B         | 1.5  | 0.36  | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 18:57 | 1       |
| Magnesium | 11600  |           | 29.8 | 1.4   | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 18:57 | 1       |
| Manganese | 461    | B         | 0.30 | 0.048 | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 18:57 | 1       |
| Nickel    | 32.3   |           | 7.5  | 0.34  | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 18:57 | 1       |
| Potassium | 2350   |           | 44.7 | 29.8  | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 18:57 | 1       |
| Selenium  | 3.2    | J         | 6.0  | 0.60  | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 18:57 | 1       |
| Silver    | 2.0    |           | 0.89 | 0.30  | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 18:57 | 1       |
| Sodium    | 160    | J         | 209  | 19.4  | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 18:57 | 1       |
| Thallium  | ND     |           | 8.9  | 0.45  | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 18:57 | 1       |
| Vanadium  | 24.6   |           | 0.75 | 0.16  | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 18:57 | 1       |
| Zinc      | 190    |           | 3.0  | 0.95  | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 18:57 | 1       |

## Method: 7471B - Mercury (CVAA)

| Analyte | Result | Qualifier | RL    | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------|--------|-----------|-------|-------|-------|---|----------------|----------------|---------|
| Mercury | 0.37   |           | 0.065 | 0.015 | mg/Kg | ☆ | 07/01/21 13:35 | 07/01/21 15:49 | 1       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186368-1

Client Sample ID: SS-04-0212

Lab Sample ID: 480-186368-4

Date Collected: 06/22/21 10:20

Matrix: Solid

Date Received: 06/22/21 12:15

Percent Solids: 77.4

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

| Analyte                       | Result | Qualifier | RL    | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|--------|-----------|-------|------|-------|---|----------------|----------------|---------|
| Biphenyl                      | ND     |           | 1100  | 160  | ug/Kg | ✱ | 06/30/21 07:50 | 07/06/21 22:33 | 5       |
| bis (2-chloroisopropyl) ether | ND     |           | 1100  | 220  | ug/Kg | ✱ | 06/30/21 07:50 | 07/06/21 22:33 | 5       |
| 2,4,5-Trichlorophenol         | ND     |           | 1100  | 300  | ug/Kg | ✱ | 06/30/21 07:50 | 07/06/21 22:33 | 5       |
| 2,4,6-Trichlorophenol         | ND     |           | 1100  | 220  | ug/Kg | ✱ | 06/30/21 07:50 | 07/06/21 22:33 | 5       |
| 2,4-Dichlorophenol            | ND     |           | 1100  | 120  | ug/Kg | ✱ | 06/30/21 07:50 | 07/06/21 22:33 | 5       |
| 2,4-Dimethylphenol            | ND     |           | 1100  | 260  | ug/Kg | ✱ | 06/30/21 07:50 | 07/06/21 22:33 | 5       |
| 2,4-Dinitrophenol             | ND     |           | 11000 | 5000 | ug/Kg | ✱ | 06/30/21 07:50 | 07/06/21 22:33 | 5       |
| 2,4-Dinitrotoluene            | ND     |           | 1100  | 230  | ug/Kg | ✱ | 06/30/21 07:50 | 07/06/21 22:33 | 5       |
| 2,6-Dinitrotoluene            | ND     |           | 1100  | 130  | ug/Kg | ✱ | 06/30/21 07:50 | 07/06/21 22:33 | 5       |
| 2-Chloronaphthalene           | ND     |           | 1100  | 180  | ug/Kg | ✱ | 06/30/21 07:50 | 07/06/21 22:33 | 5       |
| 2-Chlorophenol                | ND     |           | 2100  | 200  | ug/Kg | ✱ | 06/30/21 07:50 | 07/06/21 22:33 | 5       |
| 2-Methylnaphthalene           | ND     |           | 1100  | 220  | ug/Kg | ✱ | 06/30/21 07:50 | 07/06/21 22:33 | 5       |
| 2-Methylphenol                | ND     |           | 1100  | 130  | ug/Kg | ✱ | 06/30/21 07:50 | 07/06/21 22:33 | 5       |
| 2-Nitroaniline                | ND     |           | 2100  | 160  | ug/Kg | ✱ | 06/30/21 07:50 | 07/06/21 22:33 | 5       |
| 2-Nitrophenol                 | ND     |           | 1100  | 310  | ug/Kg | ✱ | 06/30/21 07:50 | 07/06/21 22:33 | 5       |
| 3,3'-Dichlorobenzidine        | ND     |           | 2100  | 1300 | ug/Kg | ✱ | 06/30/21 07:50 | 07/06/21 22:33 | 5       |
| 3-Nitroaniline                | ND     |           | 2100  | 300  | ug/Kg | ✱ | 06/30/21 07:50 | 07/06/21 22:33 | 5       |
| 4,6-Dinitro-2-methylphenol    | ND     |           | 2100  | 1100 | ug/Kg | ✱ | 06/30/21 07:50 | 07/06/21 22:33 | 5       |
| 4-Bromophenyl phenyl ether    | ND     |           | 1100  | 150  | ug/Kg | ✱ | 06/30/21 07:50 | 07/06/21 22:33 | 5       |
| 4-Chloro-3-methylphenol       | ND     |           | 1100  | 270  | ug/Kg | ✱ | 06/30/21 07:50 | 07/06/21 22:33 | 5       |
| 4-Chloroaniline               | ND     |           | 1100  | 270  | ug/Kg | ✱ | 06/30/21 07:50 | 07/06/21 22:33 | 5       |
| 4-Chlorophenyl phenyl ether   | ND     |           | 1100  | 140  | ug/Kg | ✱ | 06/30/21 07:50 | 07/06/21 22:33 | 5       |
| 4-Methylphenol                | ND     |           | 2100  | 130  | ug/Kg | ✱ | 06/30/21 07:50 | 07/06/21 22:33 | 5       |
| 4-Nitroaniline                | ND     |           | 2100  | 570  | ug/Kg | ✱ | 06/30/21 07:50 | 07/06/21 22:33 | 5       |
| 4-Nitrophenol                 | ND     |           | 2100  | 770  | ug/Kg | ✱ | 06/30/21 07:50 | 07/06/21 22:33 | 5       |
| Acenaphthene                  | ND     |           | 1100  | 160  | ug/Kg | ✱ | 06/30/21 07:50 | 07/06/21 22:33 | 5       |
| Acenaphthylene                | ND     |           | 1100  | 140  | ug/Kg | ✱ | 06/30/21 07:50 | 07/06/21 22:33 | 5       |
| Acetophenone                  | ND     |           | 1100  | 150  | ug/Kg | ✱ | 06/30/21 07:50 | 07/06/21 22:33 | 5       |
| Anthracene                    | ND     |           | 1100  | 270  | ug/Kg | ✱ | 06/30/21 07:50 | 07/06/21 22:33 | 5       |
| Atrazine                      | ND     |           | 1100  | 380  | ug/Kg | ✱ | 06/30/21 07:50 | 07/06/21 22:33 | 5       |
| Benzaldehyde                  | ND     |           | 1100  | 870  | ug/Kg | ✱ | 06/30/21 07:50 | 07/06/21 22:33 | 5       |
| Benzo(a)anthracene            | 260    | J         | 1100  | 110  | ug/Kg | ✱ | 06/30/21 07:50 | 07/06/21 22:33 | 5       |
| Benzo(a)pyrene                | 250    | J         | 1100  | 160  | ug/Kg | ✱ | 06/30/21 07:50 | 07/06/21 22:33 | 5       |
| Benzo(b)fluoranthene          | 320    | J         | 1100  | 170  | ug/Kg | ✱ | 06/30/21 07:50 | 07/06/21 22:33 | 5       |
| Benzo(g,h,i)perylene          | 170    | J         | 1100  | 120  | ug/Kg | ✱ | 06/30/21 07:50 | 07/06/21 22:33 | 5       |
| Benzo(k)fluoranthene          | 140    | J         | 1100  | 140  | ug/Kg | ✱ | 06/30/21 07:50 | 07/06/21 22:33 | 5       |
| Bis(2-chloroethoxy)methane    | ND     |           | 1100  | 230  | ug/Kg | ✱ | 06/30/21 07:50 | 07/06/21 22:33 | 5       |
| Bis(2-chloroethyl)ether       | ND     |           | 1100  | 140  | ug/Kg | ✱ | 06/30/21 07:50 | 07/06/21 22:33 | 5       |
| Bis(2-ethylhexyl) phthalate   | 490    | J         | 1100  | 370  | ug/Kg | ✱ | 06/30/21 07:50 | 07/06/21 22:33 | 5       |
| Butyl benzyl phthalate        | ND     |           | 1100  | 180  | ug/Kg | ✱ | 06/30/21 07:50 | 07/06/21 22:33 | 5       |
| Caprolactam                   | ND     |           | 1100  | 330  | ug/Kg | ✱ | 06/30/21 07:50 | 07/06/21 22:33 | 5       |
| Carbazole                     | ND     |           | 1100  | 130  | ug/Kg | ✱ | 06/30/21 07:50 | 07/06/21 22:33 | 5       |
| Chrysene                      | 330    | J         | 1100  | 240  | ug/Kg | ✱ | 06/30/21 07:50 | 07/06/21 22:33 | 5       |
| Di-n-butyl phthalate          | ND     |           | 1100  | 190  | ug/Kg | ✱ | 06/30/21 07:50 | 07/06/21 22:33 | 5       |
| Di-n-octyl phthalate          | ND     |           | 1100  | 130  | ug/Kg | ✱ | 06/30/21 07:50 | 07/06/21 22:33 | 5       |
| Dibenz(a,h)anthracene         | ND     |           | 1100  | 190  | ug/Kg | ✱ | 06/30/21 07:50 | 07/06/21 22:33 | 5       |
| Dibenzofuran                  | ND     |           | 1100  | 130  | ug/Kg | ✱ | 06/30/21 07:50 | 07/06/21 22:33 | 5       |
| Diethyl phthalate             | ND     |           | 1100  | 140  | ug/Kg | ✱ | 06/30/21 07:50 | 07/06/21 22:33 | 5       |
| Dimethyl phthalate            | ND     |           | 1100  | 130  | ug/Kg | ✱ | 06/30/21 07:50 | 07/06/21 22:33 | 5       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186368-1

Client Sample ID: SS-04-0212

Lab Sample ID: 480-186368-4

Date Collected: 06/22/21 10:20

Matrix: Solid

Date Received: 06/22/21 12:15

Percent Solids: 77.4

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

| Analyte                   | Result | Qualifier | RL    | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------------|--------|-----------|-------|------|-------|---|----------------|----------------|---------|
| Fluoranthene              | 570    | J         | 1100  | 120  | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 22:33 | 5       |
| Fluorene                  | ND     |           | 1100  | 130  | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 22:33 | 5       |
| Hexachlorobenzene         | ND     |           | 1100  | 150  | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 22:33 | 5       |
| Hexachlorobutadiene       | ND     |           | 1100  | 160  | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 22:33 | 5       |
| Hexachlorocyclopentadiene | ND     |           | 1100  | 150  | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 22:33 | 5       |
| Hexachloroethane          | ND     |           | 1100  | 140  | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 22:33 | 5       |
| Indeno(1,2,3-cd)pyrene    | 160    | J         | 1100  | 140  | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 22:33 | 5       |
| Isophorone                | ND     |           | 1100  | 230  | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 22:33 | 5       |
| N-Nitrosodi-n-propylamine | ND     |           | 1100  | 190  | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 22:33 | 5       |
| N-Nitrosodiphenylamine    | ND     |           | 1100  | 890  | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 22:33 | 5       |
| Naphthalene               | ND     |           | 1100  | 140  | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 22:33 | 5       |
| Nitrobenzene              | ND     |           | 1100  | 120  | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 22:33 | 5       |
| Pentachlorophenol         | ND     |           | 2100  | 1100 | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 22:33 | 5       |
| Phenanthrene              | 540    | J         | 1100  | 160  | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 22:33 | 5       |
| Phenol                    | ND     |           | 1100  | 170  | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 22:33 | 5       |
| Pyrene                    | 480    | J         | 1100  | 130  | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 22:33 | 5       |
| Benzoic acid              | ND     | *+        | 31000 | 9700 | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 22:33 | 5       |

| Surrogate            | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 2,4,6-Tribromophenol | 74        |           | 54 - 120 | 06/30/21 07:50 | 07/06/21 22:33 | 5       |
| 2-Fluorobiphenyl     | 75        |           | 60 - 120 | 06/30/21 07:50 | 07/06/21 22:33 | 5       |
| 2-Fluorophenol       | 63        |           | 52 - 120 | 06/30/21 07:50 | 07/06/21 22:33 | 5       |
| Nitrobenzene-d5      | 69        |           | 53 - 120 | 06/30/21 07:50 | 07/06/21 22:33 | 5       |
| p-Terphenyl-d14      | 82        |           | 79 - 130 | 06/30/21 07:50 | 07/06/21 22:33 | 5       |
| Phenol-d5            | 63        |           | 54 - 120 | 06/30/21 07:50 | 07/06/21 22:33 | 5       |

## Method: 8081B - Organochlorine Pesticides (GC)

| Analyte             | Result | Qualifier | RL   | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|--------|-----------|------|-----|-------|---|----------------|----------------|---------|
| 4,4'-DDD            | ND     |           | 110  | 20  | ug/Kg | ☆ | 06/29/21 07:46 | 06/30/21 13:03 | 50      |
| 4,4'-DDE            | 200    |           | 110  | 22  | ug/Kg | ☆ | 06/29/21 07:46 | 06/30/21 13:03 | 50      |
| 4,4'-DDT            | 230    |           | 110  | 25  | ug/Kg | ☆ | 06/29/21 07:46 | 06/30/21 13:03 | 50      |
| Aldrin              | ND     |           | 110  | 26  | ug/Kg | ☆ | 06/29/21 07:46 | 06/30/21 13:03 | 50      |
| alpha-BHC           | ND     |           | 110  | 19  | ug/Kg | ☆ | 06/29/21 07:46 | 06/30/21 13:03 | 50      |
| cis-Chlordane       | ND     |           | 110  | 52  | ug/Kg | ☆ | 06/29/21 07:46 | 06/30/21 13:03 | 50      |
| beta-BHC            | ND     |           | 110  | 19  | ug/Kg | ☆ | 06/29/21 07:46 | 06/30/21 13:03 | 50      |
| delta-BHC           | ND     |           | 110  | 20  | ug/Kg | ☆ | 06/29/21 07:46 | 06/30/21 13:03 | 50      |
| Dieldrin            | ND     |           | 110  | 25  | ug/Kg | ☆ | 06/29/21 07:46 | 06/30/21 13:03 | 50      |
| Endosulfan I        | ND     |           | 110  | 20  | ug/Kg | ☆ | 06/29/21 07:46 | 06/30/21 13:03 | 50      |
| Endosulfan II       | ND     |           | 110  | 19  | ug/Kg | ☆ | 06/29/21 07:46 | 06/30/21 13:03 | 50      |
| Endosulfan sulfate  | ND     |           | 110  | 20  | ug/Kg | ☆ | 06/29/21 07:46 | 06/30/21 13:03 | 50      |
| Endrin              | ND     |           | 110  | 21  | ug/Kg | ☆ | 06/29/21 07:46 | 06/30/21 13:03 | 50      |
| Endrin aldehyde     | ND     |           | 110  | 27  | ug/Kg | ☆ | 06/29/21 07:46 | 06/30/21 13:03 | 50      |
| Endrin ketone       | ND     |           | 110  | 26  | ug/Kg | ☆ | 06/29/21 07:46 | 06/30/21 13:03 | 50      |
| gamma-BHC (Lindane) | ND     |           | 110  | 19  | ug/Kg | ☆ | 06/29/21 07:46 | 06/30/21 13:03 | 50      |
| trans-Chlordane     | ND     |           | 110  | 33  | ug/Kg | ☆ | 06/29/21 07:46 | 06/30/21 13:03 | 50      |
| Heptachlor          | ND     |           | 110  | 23  | ug/Kg | ☆ | 06/29/21 07:46 | 06/30/21 13:03 | 50      |
| Heptachlor epoxide  | ND     |           | 110  | 27  | ug/Kg | ☆ | 06/29/21 07:46 | 06/30/21 13:03 | 50      |
| Methoxychlor        | ND     |           | 110  | 21  | ug/Kg | ☆ | 06/29/21 07:46 | 06/30/21 13:03 | 50      |
| Toxaphene           | ND     |           | 1100 | 610 | ug/Kg | ☆ | 06/29/21 07:46 | 06/30/21 13:03 | 50      |
| Mirex               | ND     |           | 110  | 26  | ug/Kg | ☆ | 06/29/21 07:46 | 06/30/21 13:03 | 50      |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186368-1

Client Sample ID: SS-04-0212

Lab Sample ID: 480-186368-4

Date Collected: 06/22/21 10:20

Matrix: Solid

Date Received: 06/22/21 12:15

Percent Solids: 77.4

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| DCB Decachlorobiphenyl | 0         | S1-       | 45 - 120 | 06/29/21 07:46 | 06/30/21 13:03 | 50      |
| DCB Decachlorobiphenyl | 0         | S1-       | 45 - 120 | 06/29/21 07:46 | 06/30/21 13:03 | 50      |
| Tetrachloro-m-xylene   | 0         | S1-       | 30 - 124 | 06/29/21 07:46 | 06/30/21 13:03 | 50      |
| Tetrachloro-m-xylene   | 0         | S1-       | 30 - 124 | 06/29/21 07:46 | 06/30/21 13:03 | 50      |

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

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| PCB-1016 | ND     |           | 0.26 | 0.051 | mg/Kg | ☆ | 07/01/21 15:01 | 07/05/21 22:54 | 1       |
| PCB-1221 | ND     |           | 0.26 | 0.051 | mg/Kg | ☆ | 07/01/21 15:01 | 07/05/21 22:54 | 1       |
| PCB-1232 | ND     |           | 0.26 | 0.051 | mg/Kg | ☆ | 07/01/21 15:01 | 07/05/21 22:54 | 1       |
| PCB-1242 | ND     |           | 0.26 | 0.051 | mg/Kg | ☆ | 07/01/21 15:01 | 07/05/21 22:54 | 1       |
| PCB-1248 | ND     |           | 0.26 | 0.051 | mg/Kg | ☆ | 07/01/21 15:01 | 07/05/21 22:54 | 1       |
| PCB-1254 | 0.43   |           | 0.26 | 0.12  | mg/Kg | ☆ | 07/01/21 15:01 | 07/05/21 22:54 | 1       |
| PCB-1260 | ND     |           | 0.26 | 0.12  | mg/Kg | ☆ | 07/01/21 15:01 | 07/05/21 22:54 | 1       |
| PCB-1262 | ND     |           | 0.26 | 0.12  | mg/Kg | ☆ | 07/01/21 15:01 | 07/05/21 22:54 | 1       |
| PCB-1268 | ND     |           | 0.26 | 0.12  | mg/Kg | ☆ | 07/01/21 15:01 | 07/05/21 22:54 | 1       |

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| Tetrachloro-m-xylene   | 129       |           | 60 - 154 | 07/01/21 15:01 | 07/05/21 22:54 | 1       |
| Tetrachloro-m-xylene   | 134       |           | 60 - 154 | 07/01/21 15:01 | 07/05/21 22:54 | 1       |
| DCB Decachlorobiphenyl | 131       |           | 65 - 174 | 07/01/21 15:01 | 07/05/21 22:54 | 1       |
| DCB Decachlorobiphenyl | 120       |           | 65 - 174 | 07/01/21 15:01 | 07/05/21 22:54 | 1       |

## Method: 6010C - Metals (ICP)

| Analyte   | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| Aluminum  | 15300  |           | 12.6 | 5.6   | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 19:01 | 1       |
| Antimony  | ND     |           | 19.0 | 0.51  | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 19:01 | 1       |
| Arsenic   | 4.7    |           | 2.5  | 0.51  | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 19:01 | 1       |
| Barium    | 116    | ^6+       | 0.63 | 0.14  | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 19:01 | 1       |
| Beryllium | 0.68   |           | 0.25 | 0.035 | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 19:01 | 1       |
| Cadmium   | 5.0    |           | 0.25 | 0.038 | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 19:01 | 1       |
| Calcium   | 39700  | B         | 63.2 | 4.2   | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 19:01 | 1       |
| Chromium  | 31.8   |           | 0.63 | 0.25  | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 19:01 | 1       |
| Cobalt    | 11.0   |           | 0.63 | 0.063 | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 19:01 | 1       |
| Copper    | 57.0   |           | 1.3  | 0.27  | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 19:01 | 1       |
| Iron      | 25800  | ^+        | 12.6 | 4.4   | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 19:01 | 1       |
| Lead      | 74.6   | B         | 1.3  | 0.30  | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 19:01 | 1       |
| Magnesium | 12300  |           | 25.3 | 1.2   | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 19:01 | 1       |
| Manganese | 480    | B         | 0.25 | 0.040 | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 19:01 | 1       |
| Nickel    | 37.3   |           | 6.3  | 0.29  | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 19:01 | 1       |
| Potassium | 3720   |           | 37.9 | 25.3  | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 19:01 | 1       |
| Selenium  | 2.1    | J         | 5.1  | 0.51  | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 19:01 | 1       |
| Silver    | 1.4    |           | 0.76 | 0.25  | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 19:01 | 1       |
| Sodium    | 209    |           | 177  | 16.4  | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 19:01 | 1       |
| Thallium  | ND     |           | 7.6  | 0.38  | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 19:01 | 1       |
| Vanadium  | 32.0   |           | 0.63 | 0.14  | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 19:01 | 1       |
| Zinc      | 157    |           | 2.5  | 0.81  | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 19:01 | 1       |

## Method: 7471B - Mercury (CVAA)

| Analyte | Result | Qualifier | RL    | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------|--------|-----------|-------|-------|-------|---|----------------|----------------|---------|
| Mercury | 0.47   |           | 0.061 | 0.014 | mg/Kg | ☆ | 07/01/21 13:35 | 07/01/21 15:50 | 1       |

Eurofins TestAmerica, Buffalo

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186368-1

Client Sample ID: SS-05-0002

Lab Sample ID: 480-186368-5

Date Collected: 06/22/21 10:00

Matrix: Solid

Date Received: 06/22/21 12:15

Percent Solids: 43.0

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

| Analyte                       | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|--------|-----------|------|------|-------|---|----------------|----------------|---------|
| Biphenyl                      | ND     |           | 390  | 57   | ug/Kg | ✱ | 06/30/21 07:50 | 07/06/21 22:57 | 1       |
| bis (2-chloroisopropyl) ether | ND     |           | 390  | 78   | ug/Kg | ✱ | 06/30/21 07:50 | 07/06/21 22:57 | 1       |
| 2,4,5-Trichlorophenol         | ND     |           | 390  | 110  | ug/Kg | ✱ | 06/30/21 07:50 | 07/06/21 22:57 | 1       |
| 2,4,6-Trichlorophenol         | ND     |           | 390  | 78   | ug/Kg | ✱ | 06/30/21 07:50 | 07/06/21 22:57 | 1       |
| 2,4-Dichlorophenol            | ND     |           | 390  | 41   | ug/Kg | ✱ | 06/30/21 07:50 | 07/06/21 22:57 | 1       |
| 2,4-Dimethylphenol            | ND     |           | 390  | 94   | ug/Kg | ✱ | 06/30/21 07:50 | 07/06/21 22:57 | 1       |
| 2,4-Dinitrophenol             | ND     |           | 3800 | 1800 | ug/Kg | ✱ | 06/30/21 07:50 | 07/06/21 22:57 | 1       |
| 2,4-Dinitrotoluene            | ND     |           | 390  | 80   | ug/Kg | ✱ | 06/30/21 07:50 | 07/06/21 22:57 | 1       |
| 2,6-Dinitrotoluene            | ND     |           | 390  | 46   | ug/Kg | ✱ | 06/30/21 07:50 | 07/06/21 22:57 | 1       |
| 2-Chloronaphthalene           | ND     |           | 390  | 64   | ug/Kg | ✱ | 06/30/21 07:50 | 07/06/21 22:57 | 1       |
| 2-Chlorophenol                | ND     |           | 750  | 71   | ug/Kg | ✱ | 06/30/21 07:50 | 07/06/21 22:57 | 1       |
| 2-Methylnaphthalene           | ND     |           | 390  | 78   | ug/Kg | ✱ | 06/30/21 07:50 | 07/06/21 22:57 | 1       |
| 2-Methylphenol                | ND     |           | 390  | 46   | ug/Kg | ✱ | 06/30/21 07:50 | 07/06/21 22:57 | 1       |
| 2-Nitroaniline                | ND     |           | 750  | 57   | ug/Kg | ✱ | 06/30/21 07:50 | 07/06/21 22:57 | 1       |
| 2-Nitrophenol                 | ND     |           | 390  | 110  | ug/Kg | ✱ | 06/30/21 07:50 | 07/06/21 22:57 | 1       |
| 3,3'-Dichlorobenzidine        | ND     |           | 750  | 460  | ug/Kg | ✱ | 06/30/21 07:50 | 07/06/21 22:57 | 1       |
| 3-Nitroaniline                | ND     |           | 750  | 110  | ug/Kg | ✱ | 06/30/21 07:50 | 07/06/21 22:57 | 1       |
| 4,6-Dinitro-2-methylphenol    | ND     |           | 750  | 390  | ug/Kg | ✱ | 06/30/21 07:50 | 07/06/21 22:57 | 1       |
| 4-Bromophenyl phenyl ether    | ND     |           | 390  | 55   | ug/Kg | ✱ | 06/30/21 07:50 | 07/06/21 22:57 | 1       |
| 4-Chloro-3-methylphenol       | ND     |           | 390  | 96   | ug/Kg | ✱ | 06/30/21 07:50 | 07/06/21 22:57 | 1       |
| 4-Chloroaniline               | ND     |           | 390  | 96   | ug/Kg | ✱ | 06/30/21 07:50 | 07/06/21 22:57 | 1       |
| 4-Chlorophenyl phenyl ether   | ND     |           | 390  | 48   | ug/Kg | ✱ | 06/30/21 07:50 | 07/06/21 22:57 | 1       |
| 4-Methylphenol                | ND     |           | 750  | 46   | ug/Kg | ✱ | 06/30/21 07:50 | 07/06/21 22:57 | 1       |
| 4-Nitroaniline                | ND     |           | 750  | 200  | ug/Kg | ✱ | 06/30/21 07:50 | 07/06/21 22:57 | 1       |
| 4-Nitrophenol                 | ND     |           | 750  | 270  | ug/Kg | ✱ | 06/30/21 07:50 | 07/06/21 22:57 | 1       |
| Acenaphthene                  | ND     |           | 390  | 57   | ug/Kg | ✱ | 06/30/21 07:50 | 07/06/21 22:57 | 1       |
| Acenaphthylene                | ND     |           | 390  | 50   | ug/Kg | ✱ | 06/30/21 07:50 | 07/06/21 22:57 | 1       |
| Acetophenone                  | ND     |           | 390  | 53   | ug/Kg | ✱ | 06/30/21 07:50 | 07/06/21 22:57 | 1       |
| Anthracene                    | ND     |           | 390  | 96   | ug/Kg | ✱ | 06/30/21 07:50 | 07/06/21 22:57 | 1       |
| Atrazine                      | ND     |           | 390  | 130  | ug/Kg | ✱ | 06/30/21 07:50 | 07/06/21 22:57 | 1       |
| Benzaldehyde                  | ND     |           | 390  | 310  | ug/Kg | ✱ | 06/30/21 07:50 | 07/06/21 22:57 | 1       |
| Benzo(a)anthracene            | ND     |           | 390  | 39   | ug/Kg | ✱ | 06/30/21 07:50 | 07/06/21 22:57 | 1       |
| Benzo(a)pyrene                | ND     |           | 390  | 57   | ug/Kg | ✱ | 06/30/21 07:50 | 07/06/21 22:57 | 1       |
| Benzo(b)fluoranthene          | ND     |           | 390  | 62   | ug/Kg | ✱ | 06/30/21 07:50 | 07/06/21 22:57 | 1       |
| Benzo(g,h,i)perylene          | ND     |           | 390  | 41   | ug/Kg | ✱ | 06/30/21 07:50 | 07/06/21 22:57 | 1       |
| Benzo(k)fluoranthene          | ND     |           | 390  | 50   | ug/Kg | ✱ | 06/30/21 07:50 | 07/06/21 22:57 | 1       |
| Bis(2-chloroethoxy)methane    | ND     |           | 390  | 82   | ug/Kg | ✱ | 06/30/21 07:50 | 07/06/21 22:57 | 1       |
| Bis(2-chloroethyl)ether       | ND     |           | 390  | 50   | ug/Kg | ✱ | 06/30/21 07:50 | 07/06/21 22:57 | 1       |
| Bis(2-ethylhexyl) phthalate   | ND     |           | 390  | 130  | ug/Kg | ✱ | 06/30/21 07:50 | 07/06/21 22:57 | 1       |
| Butyl benzyl phthalate        | ND     |           | 390  | 64   | ug/Kg | ✱ | 06/30/21 07:50 | 07/06/21 22:57 | 1       |
| Caprolactam                   | ND     |           | 390  | 120  | ug/Kg | ✱ | 06/30/21 07:50 | 07/06/21 22:57 | 1       |
| Carbazole                     | ND     |           | 390  | 46   | ug/Kg | ✱ | 06/30/21 07:50 | 07/06/21 22:57 | 1       |
| Chrysene                      | ND     |           | 390  | 87   | ug/Kg | ✱ | 06/30/21 07:50 | 07/06/21 22:57 | 1       |
| Di-n-butyl phthalate          | 190    | J B       | 390  | 66   | ug/Kg | ✱ | 06/30/21 07:50 | 07/06/21 22:57 | 1       |
| Di-n-octyl phthalate          | ND     |           | 390  | 46   | ug/Kg | ✱ | 06/30/21 07:50 | 07/06/21 22:57 | 1       |
| Dibenz(a,h)anthracene         | ND     |           | 390  | 69   | ug/Kg | ✱ | 06/30/21 07:50 | 07/06/21 22:57 | 1       |
| Dibenzofuran                  | ND     |           | 390  | 46   | ug/Kg | ✱ | 06/30/21 07:50 | 07/06/21 22:57 | 1       |
| Diethyl phthalate             | ND     |           | 390  | 50   | ug/Kg | ✱ | 06/30/21 07:50 | 07/06/21 22:57 | 1       |
| Dimethyl phthalate            | ND     |           | 390  | 46   | ug/Kg | ✱ | 06/30/21 07:50 | 07/06/21 22:57 | 1       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186368-1

Client Sample ID: SS-05-0002

Lab Sample ID: 480-186368-5

Date Collected: 06/22/21 10:00

Matrix: Solid

Date Received: 06/22/21 12:15

Percent Solids: 43.0

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

| Analyte                   | Result | Qualifier | RL    | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------------|--------|-----------|-------|------|-------|---|----------------|----------------|---------|
| Fluoranthene              | 56     | J         | 390   | 41   | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 22:57 | 1       |
| Fluorene                  | ND     |           | 390   | 46   | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 22:57 | 1       |
| Hexachlorobenzene         | ND     |           | 390   | 53   | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 22:57 | 1       |
| Hexachlorobutadiene       | ND     |           | 390   | 57   | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 22:57 | 1       |
| Hexachlorocyclopentadiene | ND     |           | 390   | 53   | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 22:57 | 1       |
| Hexachloroethane          | ND     |           | 390   | 50   | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 22:57 | 1       |
| Indeno(1,2,3-cd)pyrene    | ND     |           | 390   | 48   | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 22:57 | 1       |
| Isophorone                | ND     |           | 390   | 82   | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 22:57 | 1       |
| N-Nitrosodi-n-propylamine | ND     |           | 390   | 66   | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 22:57 | 1       |
| N-Nitrosodiphenylamine    | ND     |           | 390   | 320  | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 22:57 | 1       |
| Naphthalene               | ND     |           | 390   | 50   | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 22:57 | 1       |
| Nitrobenzene              | ND     |           | 390   | 43   | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 22:57 | 1       |
| Pentachlorophenol         | ND     |           | 750   | 390  | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 22:57 | 1       |
| Phenanthrene              | ND     |           | 390   | 57   | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 22:57 | 1       |
| Phenol                    | ND     |           | 390   | 59   | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 22:57 | 1       |
| Pyrene                    | 56     | J         | 390   | 46   | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 22:57 | 1       |
| Benzoic acid              | ND     | *+        | 11000 | 3400 | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 22:57 | 1       |

| Surrogate            | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 2,4,6-Tribromophenol | 103       |           | 54 - 120 | 06/30/21 07:50 | 07/06/21 22:57 | 1       |
| 2-Fluorobiphenyl     | 84        |           | 60 - 120 | 06/30/21 07:50 | 07/06/21 22:57 | 1       |
| 2-Fluorophenol       | 71        |           | 52 - 120 | 06/30/21 07:50 | 07/06/21 22:57 | 1       |
| Nitrobenzene-d5      | 76        |           | 53 - 120 | 06/30/21 07:50 | 07/06/21 22:57 | 1       |
| p-Terphenyl-d14      | 107       |           | 79 - 130 | 06/30/21 07:50 | 07/06/21 22:57 | 1       |
| Phenol-d5            | 79        |           | 54 - 120 | 06/30/21 07:50 | 07/06/21 22:57 | 1       |

## Method: 8081B - Organochlorine Pesticides (GC)

| Analyte             | Result | Qualifier | RL  | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|--------|-----------|-----|------|-------|---|----------------|----------------|---------|
| 4,4'-DDD            | ND     |           | 3.8 | 0.74 | ug/Kg | ☆ | 06/29/21 07:46 | 06/30/21 13:23 | 1       |
| 4,4'-DDE            | ND     |           | 3.8 | 0.80 | ug/Kg | ☆ | 06/29/21 07:46 | 06/30/21 13:23 | 1       |
| 4,4'-DDT            | ND     |           | 3.8 | 0.89 | ug/Kg | ☆ | 06/29/21 07:46 | 06/30/21 13:23 | 1       |
| Aldrin              | ND     |           | 3.8 | 0.94 | ug/Kg | ☆ | 06/29/21 07:46 | 06/30/21 13:23 | 1       |
| alpha-BHC           | ND     |           | 3.8 | 0.69 | ug/Kg | ☆ | 06/29/21 07:46 | 06/30/21 13:23 | 1       |
| cis-Chlordane       | ND     |           | 3.8 | 1.9  | ug/Kg | ☆ | 06/29/21 07:46 | 06/30/21 13:23 | 1       |
| beta-BHC            | 3.5    | J         | 3.8 | 0.69 | ug/Kg | ☆ | 06/29/21 07:46 | 06/30/21 13:23 | 1       |
| delta-BHC           | ND     |           | 3.8 | 0.71 | ug/Kg | ☆ | 06/29/21 07:46 | 06/30/21 13:23 | 1       |
| Dieldrin            | ND     |           | 3.8 | 0.91 | ug/Kg | ☆ | 06/29/21 07:46 | 06/30/21 13:23 | 1       |
| Endosulfan I        | ND     |           | 3.8 | 0.73 | ug/Kg | ☆ | 06/29/21 07:46 | 06/30/21 13:23 | 1       |
| Endosulfan II       | ND     |           | 3.8 | 0.69 | ug/Kg | ☆ | 06/29/21 07:46 | 06/30/21 13:23 | 1       |
| Endosulfan sulfate  | ND     |           | 3.8 | 0.71 | ug/Kg | ☆ | 06/29/21 07:46 | 06/30/21 13:23 | 1       |
| Endrin              | ND     |           | 3.8 | 0.75 | ug/Kg | ☆ | 06/29/21 07:46 | 06/30/21 13:23 | 1       |
| Endrin aldehyde     | 4.3    |           | 3.8 | 0.97 | ug/Kg | ☆ | 06/29/21 07:46 | 06/30/21 13:23 | 1       |
| Endrin ketone       | ND     |           | 3.8 | 0.94 | ug/Kg | ☆ | 06/29/21 07:46 | 06/30/21 13:23 | 1       |
| gamma-BHC (Lindane) | ND     |           | 3.8 | 0.70 | ug/Kg | ☆ | 06/29/21 07:46 | 06/30/21 13:23 | 1       |
| trans-Chlordane     | 1.2    | J         | 3.8 | 1.2  | ug/Kg | ☆ | 06/29/21 07:46 | 06/30/21 13:23 | 1       |
| Heptachlor          | ND     |           | 3.8 | 0.82 | ug/Kg | ☆ | 06/29/21 07:46 | 06/30/21 13:23 | 1       |
| Heptachlor epoxide  | ND     |           | 3.8 | 0.98 | ug/Kg | ☆ | 06/29/21 07:46 | 06/30/21 13:23 | 1       |
| Methoxychlor        | ND     |           | 3.8 | 0.78 | ug/Kg | ☆ | 06/29/21 07:46 | 06/30/21 13:23 | 1       |
| Toxaphene           | ND     |           | 38  | 22   | ug/Kg | ☆ | 06/29/21 07:46 | 06/30/21 13:23 | 1       |
| Mirex               | ND     |           | 3.8 | 0.93 | ug/Kg | ☆ | 06/29/21 07:46 | 06/30/21 13:23 | 1       |

Eurofins TestAmerica, Buffalo

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186368-1

Client Sample ID: SS-05-0002

Lab Sample ID: 480-186368-5

Date Collected: 06/22/21 10:00

Matrix: Solid

Date Received: 06/22/21 12:15

Percent Solids: 43.0

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| DCB Decachlorobiphenyl | 92        |           | 45 - 120 | 06/29/21 07:46 | 06/30/21 13:23 | 1       |
| DCB Decachlorobiphenyl | 108       |           | 45 - 120 | 06/29/21 07:46 | 06/30/21 13:23 | 1       |
| Tetrachloro-m-xylene   | 86        |           | 30 - 124 | 06/29/21 07:46 | 06/30/21 13:23 | 1       |
| Tetrachloro-m-xylene   | 78        |           | 30 - 124 | 06/29/21 07:46 | 06/30/21 13:23 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| PCB-1016 | ND     |           | 0.47 | 0.092 | mg/Kg | ☆ | 07/01/21 15:01 | 07/05/21 23:07 | 1       |
| PCB-1221 | ND     |           | 0.47 | 0.092 | mg/Kg | ☆ | 07/01/21 15:01 | 07/05/21 23:07 | 1       |
| PCB-1232 | ND     |           | 0.47 | 0.092 | mg/Kg | ☆ | 07/01/21 15:01 | 07/05/21 23:07 | 1       |
| PCB-1242 | ND     |           | 0.47 | 0.092 | mg/Kg | ☆ | 07/01/21 15:01 | 07/05/21 23:07 | 1       |
| PCB-1248 | ND     |           | 0.47 | 0.092 | mg/Kg | ☆ | 07/01/21 15:01 | 07/05/21 23:07 | 1       |
| PCB-1254 | ND     |           | 0.47 | 0.22  | mg/Kg | ☆ | 07/01/21 15:01 | 07/05/21 23:07 | 1       |
| PCB-1260 | ND     |           | 0.47 | 0.22  | mg/Kg | ☆ | 07/01/21 15:01 | 07/05/21 23:07 | 1       |
| PCB-1262 | ND     |           | 0.47 | 0.22  | mg/Kg | ☆ | 07/01/21 15:01 | 07/05/21 23:07 | 1       |
| PCB-1268 | ND     |           | 0.47 | 0.22  | mg/Kg | ☆ | 07/01/21 15:01 | 07/05/21 23:07 | 1       |

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| Tetrachloro-m-xylene   | 129       |           | 60 - 154 | 07/01/21 15:01 | 07/05/21 23:07 | 1       |
| Tetrachloro-m-xylene   | 131       |           | 60 - 154 | 07/01/21 15:01 | 07/05/21 23:07 | 1       |
| DCB Decachlorobiphenyl | 113       |           | 65 - 174 | 07/01/21 15:01 | 07/05/21 23:07 | 1       |
| DCB Decachlorobiphenyl | 109       |           | 65 - 174 | 07/01/21 15:01 | 07/05/21 23:07 | 1       |

## Method: 6010C - Metals (ICP)

| Analyte   | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| Aluminum  | 4280   |           | 24.7 | 10.9  | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 19:04 | 1       |
| Antimony  | ND     |           | 37.1 | 0.99  | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 19:04 | 1       |
| Arsenic   | 2.4    | J         | 4.9  | 0.99  | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 19:04 | 1       |
| Barium    | 62.7   | ^6+       | 1.2  | 0.27  | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 19:04 | 1       |
| Beryllium | 0.21   | J         | 0.49 | 0.069 | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 19:04 | 1       |
| Cadmium   | 3.4    |           | 0.49 | 0.074 | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 19:04 | 1       |
| Calcium   | 64100  | B         | 124  | 8.2   | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 19:04 | 1       |
| Chromium  | 21.6   |           | 1.2  | 0.49  | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 19:04 | 1       |
| Cobalt    | 6.1    |           | 1.2  | 0.12  | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 19:04 | 1       |
| Copper    | 28.3   |           | 2.5  | 0.52  | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 19:04 | 1       |
| Iron      | 17500  | ^+        | 24.7 | 8.7   | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 19:04 | 1       |
| Lead      | 45.7   | B         | 2.5  | 0.59  | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 19:04 | 1       |
| Magnesium | 6680   |           | 49.4 | 2.3   | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 19:04 | 1       |
| Manganese | 255    | B         | 0.49 | 0.079 | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 19:04 | 1       |
| Nickel    | 23.3   |           | 12.4 | 0.57  | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 19:04 | 1       |
| Potassium | 1460   |           | 74.1 | 49.4  | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 19:04 | 1       |
| Selenium  | 1.4    | J         | 9.9  | 0.99  | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 19:04 | 1       |
| Silver    | 0.75   | J         | 1.5  | 0.49  | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 19:04 | 1       |
| Sodium    | 221    | J         | 346  | 32.1  | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 19:04 | 1       |
| Thallium  | ND     |           | 14.8 | 0.74  | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 19:04 | 1       |
| Vanadium  | 11.8   |           | 1.2  | 0.27  | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 19:04 | 1       |
| Zinc      | 272    |           | 4.9  | 1.6   | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 19:04 | 1       |

## Method: 7471B - Mercury (CVAA)

| Analyte | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| Mercury | 0.21   |           | 0.13 | 0.030 | mg/Kg | ☆ | 07/01/21 13:35 | 07/01/21 15:51 | 1       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186368-1

Client Sample ID: SS-05-0212

Lab Sample ID: 480-186368-6

Date Collected: 06/22/21 10:05

Matrix: Solid

Date Received: 06/22/21 12:15

Percent Solids: 68.3

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

| Analyte                       | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|--------|-----------|------|------|-------|---|----------------|----------------|---------|
| Biphenyl                      | ND     |           | 250  | 36   | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 23:21 | 1       |
| bis (2-chloroisopropyl) ether | ND     |           | 250  | 50   | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 23:21 | 1       |
| 2,4,5-Trichlorophenol         | ND     |           | 250  | 67   | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 23:21 | 1       |
| 2,4,6-Trichlorophenol         | ND     |           | 250  | 50   | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 23:21 | 1       |
| 2,4-Dichlorophenol            | ND     |           | 250  | 26   | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 23:21 | 1       |
| 2,4-Dimethylphenol            | ND     |           | 250  | 60   | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 23:21 | 1       |
| 2,4-Dinitrophenol             | ND     |           | 2400 | 1100 | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 23:21 | 1       |
| 2,4-Dinitrotoluene            | ND     |           | 250  | 51   | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 23:21 | 1       |
| 2,6-Dinitrotoluene            | ND     |           | 250  | 29   | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 23:21 | 1       |
| 2-Chloronaphthalene           | ND     |           | 250  | 41   | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 23:21 | 1       |
| 2-Chlorophenol                | ND     |           | 480  | 45   | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 23:21 | 1       |
| 2-Methylnaphthalene           | ND     |           | 250  | 50   | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 23:21 | 1       |
| 2-Methylphenol                | ND     |           | 250  | 29   | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 23:21 | 1       |
| 2-Nitroaniline                | ND     |           | 480  | 36   | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 23:21 | 1       |
| 2-Nitrophenol                 | ND     |           | 250  | 70   | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 23:21 | 1       |
| 3,3'-Dichlorobenzidine        | ND     |           | 480  | 290  | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 23:21 | 1       |
| 3-Nitroaniline                | ND     |           | 480  | 69   | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 23:21 | 1       |
| 4,6-Dinitro-2-methylphenol    | ND     |           | 480  | 250  | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 23:21 | 1       |
| 4-Bromophenyl phenyl ether    | ND     |           | 250  | 35   | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 23:21 | 1       |
| 4-Chloro-3-methylphenol       | ND     |           | 250  | 61   | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 23:21 | 1       |
| 4-Chloroaniline               | ND     |           | 250  | 61   | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 23:21 | 1       |
| 4-Chlorophenyl phenyl ether   | ND     |           | 250  | 31   | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 23:21 | 1       |
| 4-Methylphenol                | ND     |           | 480  | 29   | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 23:21 | 1       |
| 4-Nitroaniline                | ND     |           | 480  | 130  | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 23:21 | 1       |
| 4-Nitrophenol                 | ND     |           | 480  | 170  | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 23:21 | 1       |
| Acenaphthene                  | ND     |           | 250  | 36   | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 23:21 | 1       |
| Acenaphthylene                | ND     |           | 250  | 32   | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 23:21 | 1       |
| Acetophenone                  | ND     |           | 250  | 34   | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 23:21 | 1       |
| Anthracene                    | ND     |           | 250  | 61   | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 23:21 | 1       |
| Atrazine                      | ND     |           | 250  | 86   | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 23:21 | 1       |
| Benzaldehyde                  | ND     |           | 250  | 200  | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 23:21 | 1       |
| Benzo(a)anthracene            | ND     |           | 250  | 25   | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 23:21 | 1       |
| Benzo(a)pyrene                | ND     |           | 250  | 36   | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 23:21 | 1       |
| Benzo(b)fluoranthene          | ND     |           | 250  | 39   | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 23:21 | 1       |
| Benzo(g,h,i)perylene          | ND     |           | 250  | 26   | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 23:21 | 1       |
| Benzo(k)fluoranthene          | ND     |           | 250  | 32   | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 23:21 | 1       |
| Bis(2-chloroethoxy)methane    | ND     |           | 250  | 52   | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 23:21 | 1       |
| Bis(2-chloroethyl)ether       | ND     |           | 250  | 32   | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 23:21 | 1       |
| Bis(2-ethylhexyl) phthalate   | ND     |           | 250  | 85   | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 23:21 | 1       |
| Butyl benzyl phthalate        | ND     |           | 250  | 41   | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 23:21 | 1       |
| Caprolactam                   | ND     |           | 250  | 74   | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 23:21 | 1       |
| Carbazole                     | ND     |           | 250  | 29   | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 23:21 | 1       |
| Chrysene                      | ND     |           | 250  | 55   | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 23:21 | 1       |
| Di-n-butyl phthalate          | 100    | J B       | 250  | 42   | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 23:21 | 1       |
| Di-n-octyl phthalate          | ND     |           | 250  | 29   | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 23:21 | 1       |
| Dibenz(a,h)anthracene         | ND     |           | 250  | 44   | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 23:21 | 1       |
| Dibenzofuran                  | ND     |           | 250  | 29   | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 23:21 | 1       |
| Diethyl phthalate             | ND     |           | 250  | 32   | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 23:21 | 1       |
| Dimethyl phthalate            | ND     |           | 250  | 29   | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 23:21 | 1       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186368-1

Client Sample ID: SS-05-0212

Lab Sample ID: 480-186368-6

Date Collected: 06/22/21 10:05

Matrix: Solid

Date Received: 06/22/21 12:15

Percent Solids: 68.3

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

| Analyte                   | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------------|--------|-----------|------|------|-------|---|----------------|----------------|---------|
| Fluoranthene              | ND     |           | 250  | 26   | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 23:21 | 1       |
| Fluorene                  | ND     |           | 250  | 29   | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 23:21 | 1       |
| Hexachlorobenzene         | ND     |           | 250  | 34   | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 23:21 | 1       |
| Hexachlorobutadiene       | ND     |           | 250  | 36   | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 23:21 | 1       |
| Hexachlorocyclopentadiene | ND     |           | 250  | 34   | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 23:21 | 1       |
| Hexachloroethane          | ND     |           | 250  | 32   | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 23:21 | 1       |
| Indeno(1,2,3-cd)pyrene    | ND     |           | 250  | 31   | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 23:21 | 1       |
| Isophorone                | ND     |           | 250  | 52   | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 23:21 | 1       |
| N-Nitrosodi-n-propylamine | ND     |           | 250  | 42   | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 23:21 | 1       |
| N-Nitrosodiphenylamine    | ND     |           | 250  | 200  | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 23:21 | 1       |
| Naphthalene               | ND     |           | 250  | 32   | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 23:21 | 1       |
| Nitrobenzene              | ND     |           | 250  | 28   | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 23:21 | 1       |
| Pentachlorophenol         | ND     |           | 480  | 250  | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 23:21 | 1       |
| Phenanthrene              | ND     |           | 250  | 36   | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 23:21 | 1       |
| Phenol                    | ND     |           | 250  | 38   | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 23:21 | 1       |
| Pyrene                    | ND     |           | 250  | 29   | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 23:21 | 1       |
| Benzoic acid              | ND     | *+        | 7000 | 2200 | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 23:21 | 1       |

| Surrogate            | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 2,4,6-Tribromophenol | 85        |           | 54 - 120 | 06/30/21 07:50 | 07/06/21 23:21 | 1       |
| 2-Fluorobiphenyl     | 71        |           | 60 - 120 | 06/30/21 07:50 | 07/06/21 23:21 | 1       |
| 2-Fluorophenol       | 64        |           | 52 - 120 | 06/30/21 07:50 | 07/06/21 23:21 | 1       |
| Nitrobenzene-d5      | 67        |           | 53 - 120 | 06/30/21 07:50 | 07/06/21 23:21 | 1       |
| p-Terphenyl-d14      | 92        |           | 79 - 130 | 06/30/21 07:50 | 07/06/21 23:21 | 1       |
| Phenol-d5            | 67        |           | 54 - 120 | 06/30/21 07:50 | 07/06/21 23:21 | 1       |

## Method: 8081B - Organochlorine Pesticides (GC)

| Analyte             | Result | Qualifier | RL  | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|--------|-----------|-----|------|-------|---|----------------|----------------|---------|
| 4,4'-DDD            | ND     |           | 2.4 | 0.46 | ug/Kg | ☆ | 06/29/21 07:46 | 06/30/21 13:43 | 1       |
| 4,4'-DDE            | 0.93   | J         | 2.4 | 0.50 | ug/Kg | ☆ | 06/29/21 07:46 | 06/30/21 13:43 | 1       |
| 4,4'-DDT            | ND     |           | 2.4 | 0.56 | ug/Kg | ☆ | 06/29/21 07:46 | 06/30/21 13:43 | 1       |
| Aldrin              | ND     |           | 2.4 | 0.59 | ug/Kg | ☆ | 06/29/21 07:46 | 06/30/21 13:43 | 1       |
| alpha-BHC           | ND     |           | 2.4 | 0.43 | ug/Kg | ☆ | 06/29/21 07:46 | 06/30/21 13:43 | 1       |
| cis-Chlordane       | ND     |           | 2.4 | 1.2  | ug/Kg | ☆ | 06/29/21 07:46 | 06/30/21 13:43 | 1       |
| beta-BHC            | 1.5    | J         | 2.4 | 0.43 | ug/Kg | ☆ | 06/29/21 07:46 | 06/30/21 13:43 | 1       |
| delta-BHC           | ND     |           | 2.4 | 0.44 | ug/Kg | ☆ | 06/29/21 07:46 | 06/30/21 13:43 | 1       |
| Dieldrin            | ND     |           | 2.4 | 0.57 | ug/Kg | ☆ | 06/29/21 07:46 | 06/30/21 13:43 | 1       |
| Endosulfan I        | ND     |           | 2.4 | 0.46 | ug/Kg | ☆ | 06/29/21 07:46 | 06/30/21 13:43 | 1       |
| Endosulfan II       | ND     |           | 2.4 | 0.43 | ug/Kg | ☆ | 06/29/21 07:46 | 06/30/21 13:43 | 1       |
| Endosulfan sulfate  | ND     |           | 2.4 | 0.45 | ug/Kg | ☆ | 06/29/21 07:46 | 06/30/21 13:43 | 1       |
| Endrin              | ND     |           | 2.4 | 0.47 | ug/Kg | ☆ | 06/29/21 07:46 | 06/30/21 13:43 | 1       |
| Endrin aldehyde     | 2.6    |           | 2.4 | 0.61 | ug/Kg | ☆ | 06/29/21 07:46 | 06/30/21 13:43 | 1       |
| Endrin ketone       | ND     |           | 2.4 | 0.59 | ug/Kg | ☆ | 06/29/21 07:46 | 06/30/21 13:43 | 1       |
| gamma-BHC (Lindane) | ND     |           | 2.4 | 0.44 | ug/Kg | ☆ | 06/29/21 07:46 | 06/30/21 13:43 | 1       |
| trans-Chlordane     | ND     |           | 2.4 | 0.76 | ug/Kg | ☆ | 06/29/21 07:46 | 06/30/21 13:43 | 1       |
| Heptachlor          | 4.9    |           | 2.4 | 0.52 | ug/Kg | ☆ | 06/29/21 07:46 | 06/30/21 13:43 | 1       |
| Heptachlor epoxide  | ND     |           | 2.4 | 0.62 | ug/Kg | ☆ | 06/29/21 07:46 | 06/30/21 13:43 | 1       |
| Methoxychlor        | ND     |           | 2.4 | 0.49 | ug/Kg | ☆ | 06/29/21 07:46 | 06/30/21 13:43 | 1       |
| Toxaphene           | ND     |           | 24  | 14   | ug/Kg | ☆ | 06/29/21 07:46 | 06/30/21 13:43 | 1       |
| Mirex               | ND     |           | 2.4 | 0.59 | ug/Kg | ☆ | 06/29/21 07:46 | 06/30/21 13:43 | 1       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186368-1

Client Sample ID: SS-05-0212

Lab Sample ID: 480-186368-6

Date Collected: 06/22/21 10:05

Matrix: Solid

Date Received: 06/22/21 12:15

Percent Solids: 68.3

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| DCB Decachlorobiphenyl | 86        |           | 45 - 120 | 06/29/21 07:46 | 06/30/21 13:43 | 1       |
| DCB Decachlorobiphenyl | 79        |           | 45 - 120 | 06/29/21 07:46 | 06/30/21 13:43 | 1       |
| Tetrachloro-m-xylene   | 71        |           | 30 - 124 | 06/29/21 07:46 | 06/30/21 13:43 | 1       |
| Tetrachloro-m-xylene   | 68        |           | 30 - 124 | 06/29/21 07:46 | 06/30/21 13:43 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| PCB-1016 | ND     |           | 0.35 | 0.068 | mg/Kg | ☆ | 07/01/21 15:01 | 07/05/21 23:19 | 1       |
| PCB-1221 | ND     |           | 0.35 | 0.068 | mg/Kg | ☆ | 07/01/21 15:01 | 07/05/21 23:19 | 1       |
| PCB-1232 | ND     |           | 0.35 | 0.068 | mg/Kg | ☆ | 07/01/21 15:01 | 07/05/21 23:19 | 1       |
| PCB-1242 | ND     |           | 0.35 | 0.068 | mg/Kg | ☆ | 07/01/21 15:01 | 07/05/21 23:19 | 1       |
| PCB-1248 | ND     |           | 0.35 | 0.068 | mg/Kg | ☆ | 07/01/21 15:01 | 07/05/21 23:19 | 1       |
| PCB-1254 | ND     |           | 0.35 | 0.16  | mg/Kg | ☆ | 07/01/21 15:01 | 07/05/21 23:19 | 1       |
| PCB-1260 | ND     |           | 0.35 | 0.16  | mg/Kg | ☆ | 07/01/21 15:01 | 07/05/21 23:19 | 1       |
| PCB-1262 | ND     |           | 0.35 | 0.16  | mg/Kg | ☆ | 07/01/21 15:01 | 07/05/21 23:19 | 1       |
| PCB-1268 | ND     |           | 0.35 | 0.16  | mg/Kg | ☆ | 07/01/21 15:01 | 07/05/21 23:19 | 1       |

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| Tetrachloro-m-xylene   | 130       |           | 60 - 154 | 07/01/21 15:01 | 07/05/21 23:19 | 1       |
| Tetrachloro-m-xylene   | 133       |           | 60 - 154 | 07/01/21 15:01 | 07/05/21 23:19 | 1       |
| DCB Decachlorobiphenyl | 123       |           | 65 - 174 | 07/01/21 15:01 | 07/05/21 23:19 | 1       |
| DCB Decachlorobiphenyl | 119       |           | 65 - 174 | 07/01/21 15:01 | 07/05/21 23:19 | 1       |

## Method: 6010C - Metals (ICP)

| Analyte   | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| Aluminum  | 6350   |           | 15.3 | 6.7   | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 19:08 | 1       |
| Antimony  | ND     |           | 22.9 | 0.61  | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 19:08 | 1       |
| Arsenic   | 1.9    | J         | 3.1  | 0.61  | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 19:08 | 1       |
| Barium    | 57.5   | ^6+       | 0.76 | 0.17  | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 19:08 | 1       |
| Beryllium | 0.31   |           | 0.31 | 0.043 | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 19:08 | 1       |
| Cadmium   | 0.75   |           | 0.31 | 0.046 | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 19:08 | 1       |
| Calcium   | 46200  | B         | 76.3 | 5.0   | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 19:08 | 1       |
| Chromium  | 12.8   |           | 0.76 | 0.31  | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 19:08 | 1       |
| Cobalt    | 5.4    |           | 0.76 | 0.076 | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 19:08 | 1       |
| Copper    | 12.6   |           | 1.5  | 0.32  | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 19:08 | 1       |
| Iron      | 16000  | ^+        | 15.3 | 5.3   | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 19:08 | 1       |
| Lead      | 30.0   |           | 1.4  | 0.34  | mg/Kg | ☆ | 07/07/21 09:52 | 07/08/21 02:43 | 1       |
| Magnesium | 12100  |           | 30.5 | 1.4   | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 19:08 | 1       |
| Manganese | 340    | B         | 0.31 | 0.049 | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 19:08 | 1       |
| Nickel    | 14.4   |           | 7.6  | 0.35  | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 19:08 | 1       |
| Potassium | 1350   |           | 45.8 | 30.5  | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 19:08 | 1       |
| Selenium  | 0.82   | J         | 6.1  | 0.61  | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 19:08 | 1       |
| Silver    | ND     |           | 0.92 | 0.31  | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 19:08 | 1       |
| Sodium    | 164    | J         | 214  | 19.8  | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 19:08 | 1       |
| Thallium  | ND     |           | 9.2  | 0.46  | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 19:08 | 1       |
| Vanadium  | 15.2   |           | 0.76 | 0.17  | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 19:08 | 1       |
| Zinc      | 82.4   |           | 3.1  | 0.98  | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 19:08 | 1       |

## Method: 7471B - Mercury (CVAA)

| Analyte | Result | Qualifier | RL    | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------|--------|-----------|-------|-------|-------|---|----------------|----------------|---------|
| Mercury | ND     |           | 0.070 | 0.016 | mg/Kg | ☆ | 07/01/21 13:35 | 07/01/21 15:52 | 1       |

Eurofins TestAmerica, Buffalo

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186368-1

Client Sample ID: SS-06-0002

Lab Sample ID: 480-186368-7

Date Collected: 06/22/21 09:45

Matrix: Solid

Date Received: 06/22/21 12:15

Percent Solids: 70.7

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

| Analyte                       | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|--------|-----------|------|------|-------|---|----------------|----------------|---------|
| Biphenyl                      | ND     |           | 230  | 34   | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 23:44 | 1       |
| bis (2-chloroisopropyl) ether | ND     |           | 230  | 47   | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 23:44 | 1       |
| 2,4,5-Trichlorophenol         | ND     |           | 230  | 63   | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 23:44 | 1       |
| 2,4,6-Trichlorophenol         | ND     |           | 230  | 47   | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 23:44 | 1       |
| 2,4-Dichlorophenol            | ND     |           | 230  | 25   | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 23:44 | 1       |
| 2,4-Dimethylphenol            | ND     |           | 230  | 56   | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 23:44 | 1       |
| 2,4-Dinitrophenol             | ND     |           | 2300 | 1100 | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 23:44 | 1       |
| 2,4-Dinitrotoluene            | ND     |           | 230  | 48   | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 23:44 | 1       |
| 2,6-Dinitrotoluene            | ND     |           | 230  | 28   | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 23:44 | 1       |
| 2-Chloronaphthalene           | ND     |           | 230  | 39   | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 23:44 | 1       |
| 2-Chlorophenol                | ND     |           | 450  | 43   | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 23:44 | 1       |
| 2-Methylnaphthalene           | ND     |           | 230  | 47   | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 23:44 | 1       |
| 2-Methylphenol                | ND     |           | 230  | 28   | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 23:44 | 1       |
| 2-Nitroaniline                | ND     |           | 450  | 34   | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 23:44 | 1       |
| 2-Nitrophenol                 | ND     |           | 230  | 66   | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 23:44 | 1       |
| 3,3'-Dichlorobenzidine        | ND     |           | 450  | 280  | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 23:44 | 1       |
| 3-Nitroaniline                | ND     |           | 450  | 65   | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 23:44 | 1       |
| 4,6-Dinitro-2-methylphenol    | ND     |           | 450  | 230  | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 23:44 | 1       |
| 4-Bromophenyl phenyl ether    | ND     |           | 230  | 33   | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 23:44 | 1       |
| 4-Chloro-3-methylphenol       | ND     |           | 230  | 58   | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 23:44 | 1       |
| 4-Chloroaniline               | ND     |           | 230  | 58   | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 23:44 | 1       |
| 4-Chlorophenyl phenyl ether   | ND     |           | 230  | 29   | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 23:44 | 1       |
| 4-Methylphenol                | ND     |           | 450  | 28   | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 23:44 | 1       |
| 4-Nitroaniline                | ND     |           | 450  | 120  | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 23:44 | 1       |
| 4-Nitrophenol                 | ND     |           | 450  | 160  | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 23:44 | 1       |
| Acenaphthene                  | ND     |           | 230  | 34   | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 23:44 | 1       |
| Acenaphthylene                | ND     |           | 230  | 30   | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 23:44 | 1       |
| Acetophenone                  | ND     |           | 230  | 32   | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 23:44 | 1       |
| Anthracene                    | ND     |           | 230  | 58   | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 23:44 | 1       |
| Atrazine                      | ND     |           | 230  | 81   | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 23:44 | 1       |
| Benzaldehyde                  | ND     |           | 230  | 190  | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 23:44 | 1       |
| Benzo(a)anthracene            | ND     |           | 230  | 23   | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 23:44 | 1       |
| Benzo(a)pyrene                | ND     |           | 230  | 34   | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 23:44 | 1       |
| Benzo(b)fluoranthene          | ND     |           | 230  | 37   | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 23:44 | 1       |
| Benzo(g,h,i)perylene          | ND     |           | 230  | 25   | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 23:44 | 1       |
| Benzo(k)fluoranthene          | ND     |           | 230  | 30   | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 23:44 | 1       |
| Bis(2-chloroethoxy)methane    | ND     |           | 230  | 50   | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 23:44 | 1       |
| Bis(2-chloroethyl)ether       | ND     |           | 230  | 30   | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 23:44 | 1       |
| Bis(2-ethylhexyl) phthalate   | ND     |           | 230  | 80   | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 23:44 | 1       |
| Butyl benzyl phthalate        | ND     |           | 230  | 39   | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 23:44 | 1       |
| Caprolactam                   | ND     |           | 230  | 70   | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 23:44 | 1       |
| Carbazole                     | ND     |           | 230  | 28   | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 23:44 | 1       |
| Chrysene                      | ND     |           | 230  | 52   | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 23:44 | 1       |
| Di-n-butyl phthalate          | 120    | J B       | 230  | 40   | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 23:44 | 1       |
| Di-n-octyl phthalate          | ND     |           | 230  | 28   | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 23:44 | 1       |
| Dibenz(a,h)anthracene         | ND     |           | 230  | 41   | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 23:44 | 1       |
| Dibenzofuran                  | ND     |           | 230  | 28   | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 23:44 | 1       |
| Diethyl phthalate             | ND     |           | 230  | 30   | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 23:44 | 1       |
| Dimethyl phthalate            | ND     |           | 230  | 28   | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 23:44 | 1       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186368-1

Client Sample ID: SS-06-0002

Lab Sample ID: 480-186368-7

Date Collected: 06/22/21 09:45

Matrix: Solid

Date Received: 06/22/21 12:15

Percent Solids: 70.7

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

| Analyte                   | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------------|--------|-----------|------|------|-------|---|----------------|----------------|---------|
| Fluoranthene              | 31     | J         | 230  | 25   | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 23:44 | 1       |
| Fluorene                  | ND     |           | 230  | 28   | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 23:44 | 1       |
| Hexachlorobenzene         | ND     |           | 230  | 32   | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 23:44 | 1       |
| Hexachlorobutadiene       | ND     |           | 230  | 34   | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 23:44 | 1       |
| Hexachlorocyclopentadiene | ND     |           | 230  | 32   | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 23:44 | 1       |
| Hexachloroethane          | ND     |           | 230  | 30   | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 23:44 | 1       |
| Indeno(1,2,3-cd)pyrene    | ND     |           | 230  | 29   | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 23:44 | 1       |
| Isophorone                | ND     |           | 230  | 50   | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 23:44 | 1       |
| N-Nitrosodi-n-propylamine | ND     |           | 230  | 40   | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 23:44 | 1       |
| N-Nitrosodiphenylamine    | ND     |           | 230  | 190  | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 23:44 | 1       |
| Naphthalene               | ND     |           | 230  | 30   | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 23:44 | 1       |
| Nitrobenzene              | ND     |           | 230  | 26   | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 23:44 | 1       |
| Pentachlorophenol         | ND     |           | 450  | 230  | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 23:44 | 1       |
| Phenanthrene              | ND     |           | 230  | 34   | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 23:44 | 1       |
| Phenol                    | ND     |           | 230  | 36   | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 23:44 | 1       |
| Pyrene                    | ND     |           | 230  | 28   | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 23:44 | 1       |
| Benzoic acid              | ND     | *+        | 6600 | 2100 | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 23:44 | 1       |

| Surrogate            | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 2,4,6-Tribromophenol | 87        |           | 54 - 120 | 06/30/21 07:50 | 07/06/21 23:44 | 1       |
| 2-Fluorobiphenyl     | 72        |           | 60 - 120 | 06/30/21 07:50 | 07/06/21 23:44 | 1       |
| 2-Fluorophenol       | 74        |           | 52 - 120 | 06/30/21 07:50 | 07/06/21 23:44 | 1       |
| Nitrobenzene-d5      | 69        |           | 53 - 120 | 06/30/21 07:50 | 07/06/21 23:44 | 1       |
| p-Terphenyl-d14      | 92        |           | 79 - 130 | 06/30/21 07:50 | 07/06/21 23:44 | 1       |
| Phenol-d5            | 77        |           | 54 - 120 | 06/30/21 07:50 | 07/06/21 23:44 | 1       |

## Method: 8081B - Organochlorine Pesticides (GC)

| Analyte             | Result | Qualifier | RL  | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|--------|-----------|-----|------|-------|---|----------------|----------------|---------|
| 4,4'-DDD            | ND     |           | 2.3 | 0.45 | ug/Kg | ☆ | 06/29/21 07:46 | 06/30/21 14:02 | 1       |
| 4,4'-DDE            | ND     |           | 2.3 | 0.48 | ug/Kg | ☆ | 06/29/21 07:46 | 06/30/21 14:02 | 1       |
| 4,4'-DDT            | ND     |           | 2.3 | 0.54 | ug/Kg | ☆ | 06/29/21 07:46 | 06/30/21 14:02 | 1       |
| Aldrin              | ND     |           | 2.3 | 0.56 | ug/Kg | ☆ | 06/29/21 07:46 | 06/30/21 14:02 | 1       |
| alpha-BHC           | ND     |           | 2.3 | 0.41 | ug/Kg | ☆ | 06/29/21 07:46 | 06/30/21 14:02 | 1       |
| cis-Chlordane       | ND     |           | 2.3 | 1.1  | ug/Kg | ☆ | 06/29/21 07:46 | 06/30/21 14:02 | 1       |
| beta-BHC            | 2.6    |           | 2.3 | 0.41 | ug/Kg | ☆ | 06/29/21 07:46 | 06/30/21 14:02 | 1       |
| delta-BHC           | ND     |           | 2.3 | 0.43 | ug/Kg | ☆ | 06/29/21 07:46 | 06/30/21 14:02 | 1       |
| Dieldrin            | ND     |           | 2.3 | 0.55 | ug/Kg | ☆ | 06/29/21 07:46 | 06/30/21 14:02 | 1       |
| Endosulfan I        | ND     |           | 2.3 | 0.44 | ug/Kg | ☆ | 06/29/21 07:46 | 06/30/21 14:02 | 1       |
| Endosulfan II       | ND     |           | 2.3 | 0.41 | ug/Kg | ☆ | 06/29/21 07:46 | 06/30/21 14:02 | 1       |
| Endosulfan sulfate  | ND     |           | 2.3 | 0.43 | ug/Kg | ☆ | 06/29/21 07:46 | 06/30/21 14:02 | 1       |
| Endrin              | ND     |           | 2.3 | 0.45 | ug/Kg | ☆ | 06/29/21 07:46 | 06/30/21 14:02 | 1       |
| Endrin aldehyde     | ND     |           | 2.3 | 0.59 | ug/Kg | ☆ | 06/29/21 07:46 | 06/30/21 14:02 | 1       |
| Endrin ketone       | ND     |           | 2.3 | 0.56 | ug/Kg | ☆ | 06/29/21 07:46 | 06/30/21 14:02 | 1       |
| gamma-BHC (Lindane) | ND     |           | 2.3 | 0.42 | ug/Kg | ☆ | 06/29/21 07:46 | 06/30/21 14:02 | 1       |
| trans-Chlordane     | ND     |           | 2.3 | 0.73 | ug/Kg | ☆ | 06/29/21 07:46 | 06/30/21 14:02 | 1       |
| Heptachlor          | ND     |           | 2.3 | 0.50 | ug/Kg | ☆ | 06/29/21 07:46 | 06/30/21 14:02 | 1       |
| Heptachlor epoxide  | ND     |           | 2.3 | 0.59 | ug/Kg | ☆ | 06/29/21 07:46 | 06/30/21 14:02 | 1       |
| Methoxychlor        | ND     |           | 2.3 | 0.47 | ug/Kg | ☆ | 06/29/21 07:46 | 06/30/21 14:02 | 1       |
| Toxaphene           | ND     |           | 23  | 13   | ug/Kg | ☆ | 06/29/21 07:46 | 06/30/21 14:02 | 1       |
| Mirex               | ND     |           | 2.3 | 0.56 | ug/Kg | ☆ | 06/29/21 07:46 | 06/30/21 14:02 | 1       |

Eurofins TestAmerica, Buffalo

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186368-1

Client Sample ID: SS-06-0002

Lab Sample ID: 480-186368-7

Date Collected: 06/22/21 09:45

Matrix: Solid

Date Received: 06/22/21 12:15

Percent Solids: 70.7

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| DCB Decachlorobiphenyl | 87        |           | 45 - 120 | 06/29/21 07:46 | 06/30/21 14:02 | 1       |
| DCB Decachlorobiphenyl | 79        |           | 45 - 120 | 06/29/21 07:46 | 06/30/21 14:02 | 1       |
| Tetrachloro-m-xylene   | 81        |           | 30 - 124 | 06/29/21 07:46 | 06/30/21 14:02 | 1       |
| Tetrachloro-m-xylene   | 64        |           | 30 - 124 | 06/29/21 07:46 | 06/30/21 14:02 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| PCB-1016 | ND     |           | 0.26 | 0.052 | mg/Kg | ☆ | 07/01/21 15:01 | 07/05/21 23:32 | 1       |
| PCB-1221 | ND     |           | 0.26 | 0.052 | mg/Kg | ☆ | 07/01/21 15:01 | 07/05/21 23:32 | 1       |
| PCB-1232 | ND     |           | 0.26 | 0.052 | mg/Kg | ☆ | 07/01/21 15:01 | 07/05/21 23:32 | 1       |
| PCB-1242 | ND     |           | 0.26 | 0.052 | mg/Kg | ☆ | 07/01/21 15:01 | 07/05/21 23:32 | 1       |
| PCB-1248 | ND     |           | 0.26 | 0.052 | mg/Kg | ☆ | 07/01/21 15:01 | 07/05/21 23:32 | 1       |
| PCB-1254 | ND     |           | 0.26 | 0.12  | mg/Kg | ☆ | 07/01/21 15:01 | 07/05/21 23:32 | 1       |
| PCB-1260 | ND     |           | 0.26 | 0.12  | mg/Kg | ☆ | 07/01/21 15:01 | 07/05/21 23:32 | 1       |
| PCB-1262 | ND     |           | 0.26 | 0.12  | mg/Kg | ☆ | 07/01/21 15:01 | 07/05/21 23:32 | 1       |
| PCB-1268 | ND     |           | 0.26 | 0.12  | mg/Kg | ☆ | 07/01/21 15:01 | 07/05/21 23:32 | 1       |

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| Tetrachloro-m-xylene   | 143       |           | 60 - 154 | 07/01/21 15:01 | 07/05/21 23:32 | 1       |
| Tetrachloro-m-xylene   | 147       |           | 60 - 154 | 07/01/21 15:01 | 07/05/21 23:32 | 1       |
| DCB Decachlorobiphenyl | 140       |           | 65 - 174 | 07/01/21 15:01 | 07/05/21 23:32 | 1       |
| DCB Decachlorobiphenyl | 133       |           | 65 - 174 | 07/01/21 15:01 | 07/05/21 23:32 | 1       |

## Method: 6010C - Metals (ICP)

| Analyte   | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| Aluminum  | 14400  |           | 14.3 | 6.3   | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 19:12 | 1       |
| Antimony  | ND     |           | 21.4 | 0.57  | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 19:12 | 1       |
| Arsenic   | 3.3    |           | 2.9  | 0.57  | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 19:12 | 1       |
| Barium    | 76.7   | ^6+       | 0.71 | 0.16  | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 19:12 | 1       |
| Beryllium | 0.61   |           | 0.29 | 0.040 | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 19:12 | 1       |
| Cadmium   | 0.28   | J         | 0.29 | 0.043 | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 19:12 | 1       |
| Calcium   | 6600   | B         | 71.3 | 4.7   | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 19:12 | 1       |
| Chromium  | 19.9   |           | 0.71 | 0.29  | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 19:12 | 1       |
| Cobalt    | 5.8    |           | 0.71 | 0.071 | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 19:12 | 1       |
| Copper    | 10.7   |           | 1.4  | 0.30  | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 19:12 | 1       |
| Iron      | 15200  | ^+        | 14.3 | 5.0   | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 19:12 | 1       |
| Lead      | 20.0   |           | 1.4  | 0.34  | mg/Kg | ☆ | 07/07/21 09:52 | 07/08/21 02:46 | 1       |
| Magnesium | 4300   |           | 28.5 | 1.3   | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 19:12 | 1       |
| Manganese | 180    | B         | 0.29 | 0.046 | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 19:12 | 1       |
| Nickel    | 18.4   |           | 7.1  | 0.33  | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 19:12 | 1       |
| Potassium | 1270   |           | 42.8 | 28.5  | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 19:12 | 1       |
| Selenium  | 0.61   | J         | 5.7  | 0.57  | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 19:12 | 1       |
| Silver    | ND     |           | 0.86 | 0.29  | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 19:12 | 1       |
| Sodium    | 82.9   | J         | 200  | 18.5  | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 19:12 | 1       |
| Thallium  | ND     |           | 8.6  | 0.43  | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 19:12 | 1       |
| Vanadium  | 27.8   |           | 0.71 | 0.16  | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 19:12 | 1       |
| Zinc      | 63.4   |           | 2.9  | 0.91  | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 19:12 | 1       |

## Method: 7471B - Mercury (CVAA)

| Analyte | Result | Qualifier | RL    | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------|--------|-----------|-------|-------|-------|---|----------------|----------------|---------|
| Mercury | ND     |           | 0.094 | 0.022 | mg/Kg | ☆ | 07/01/21 13:35 | 07/01/21 15:56 | 1       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186368-1

Client Sample ID: SS-06-0212

Lab Sample ID: 480-186368-8

Date Collected: 06/22/21 09:50

Matrix: Solid

Date Received: 06/22/21 12:15

Percent Solids: 75.5

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

| Analyte                       | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|--------|-----------|------|------|-------|---|----------------|----------------|---------|
| Biphenyl                      | ND     |           | 220  | 33   | ug/Kg | ☆ | 06/30/21 07:50 | 07/07/21 00:08 | 1       |
| bis (2-chloroisopropyl) ether | ND     |           | 220  | 44   | ug/Kg | ☆ | 06/30/21 07:50 | 07/07/21 00:08 | 1       |
| 2,4,5-Trichlorophenol         | ND     |           | 220  | 60   | ug/Kg | ☆ | 06/30/21 07:50 | 07/07/21 00:08 | 1       |
| 2,4,6-Trichlorophenol         | ND     |           | 220  | 44   | ug/Kg | ☆ | 06/30/21 07:50 | 07/07/21 00:08 | 1       |
| 2,4-Dichlorophenol            | ND     |           | 220  | 23   | ug/Kg | ☆ | 06/30/21 07:50 | 07/07/21 00:08 | 1       |
| 2,4-Dimethylphenol            | ND     |           | 220  | 53   | ug/Kg | ☆ | 06/30/21 07:50 | 07/07/21 00:08 | 1       |
| 2,4-Dinitrophenol             | ND     |           | 2200 | 1000 | ug/Kg | ☆ | 06/30/21 07:50 | 07/07/21 00:08 | 1       |
| 2,4-Dinitrotoluene            | ND     |           | 220  | 46   | ug/Kg | ☆ | 06/30/21 07:50 | 07/07/21 00:08 | 1       |
| 2,6-Dinitrotoluene            | ND     |           | 220  | 26   | ug/Kg | ☆ | 06/30/21 07:50 | 07/07/21 00:08 | 1       |
| 2-Chloronaphthalene           | ND     |           | 220  | 36   | ug/Kg | ☆ | 06/30/21 07:50 | 07/07/21 00:08 | 1       |
| 2-Chlorophenol                | ND     |           | 430  | 40   | ug/Kg | ☆ | 06/30/21 07:50 | 07/07/21 00:08 | 1       |
| 2-Methylnaphthalene           | ND     |           | 220  | 44   | ug/Kg | ☆ | 06/30/21 07:50 | 07/07/21 00:08 | 1       |
| 2-Methylphenol                | ND     |           | 220  | 26   | ug/Kg | ☆ | 06/30/21 07:50 | 07/07/21 00:08 | 1       |
| 2-Nitroaniline                | ND     |           | 430  | 33   | ug/Kg | ☆ | 06/30/21 07:50 | 07/07/21 00:08 | 1       |
| 2-Nitrophenol                 | ND     |           | 220  | 63   | ug/Kg | ☆ | 06/30/21 07:50 | 07/07/21 00:08 | 1       |
| 3,3'-Dichlorobenzidine        | ND     |           | 430  | 260  | ug/Kg | ☆ | 06/30/21 07:50 | 07/07/21 00:08 | 1       |
| 3-Nitroaniline                | ND     |           | 430  | 61   | ug/Kg | ☆ | 06/30/21 07:50 | 07/07/21 00:08 | 1       |
| 4,6-Dinitro-2-methylphenol    | ND     |           | 430  | 220  | ug/Kg | ☆ | 06/30/21 07:50 | 07/07/21 00:08 | 1       |
| 4-Bromophenyl phenyl ether    | ND     |           | 220  | 31   | ug/Kg | ☆ | 06/30/21 07:50 | 07/07/21 00:08 | 1       |
| 4-Chloro-3-methylphenol       | ND     |           | 220  | 55   | ug/Kg | ☆ | 06/30/21 07:50 | 07/07/21 00:08 | 1       |
| 4-Chloroaniline               | ND     |           | 220  | 55   | ug/Kg | ☆ | 06/30/21 07:50 | 07/07/21 00:08 | 1       |
| 4-Chlorophenyl phenyl ether   | ND     |           | 220  | 27   | ug/Kg | ☆ | 06/30/21 07:50 | 07/07/21 00:08 | 1       |
| 4-Methylphenol                | ND     |           | 430  | 26   | ug/Kg | ☆ | 06/30/21 07:50 | 07/07/21 00:08 | 1       |
| 4-Nitroaniline                | ND     |           | 430  | 120  | ug/Kg | ☆ | 06/30/21 07:50 | 07/07/21 00:08 | 1       |
| 4-Nitrophenol                 | ND     |           | 430  | 150  | ug/Kg | ☆ | 06/30/21 07:50 | 07/07/21 00:08 | 1       |
| Acenaphthene                  | ND     |           | 220  | 33   | ug/Kg | ☆ | 06/30/21 07:50 | 07/07/21 00:08 | 1       |
| Acenaphthylene                | ND     |           | 220  | 29   | ug/Kg | ☆ | 06/30/21 07:50 | 07/07/21 00:08 | 1       |
| Acetophenone                  | ND     |           | 220  | 30   | ug/Kg | ☆ | 06/30/21 07:50 | 07/07/21 00:08 | 1       |
| Anthracene                    | ND     |           | 220  | 55   | ug/Kg | ☆ | 06/30/21 07:50 | 07/07/21 00:08 | 1       |
| Atrazine                      | ND     |           | 220  | 77   | ug/Kg | ☆ | 06/30/21 07:50 | 07/07/21 00:08 | 1       |
| Benzaldehyde                  | ND     |           | 220  | 180  | ug/Kg | ☆ | 06/30/21 07:50 | 07/07/21 00:08 | 1       |
| Benzo(a)anthracene            | ND     |           | 220  | 22   | ug/Kg | ☆ | 06/30/21 07:50 | 07/07/21 00:08 | 1       |
| Benzo(a)pyrene                | ND     |           | 220  | 33   | ug/Kg | ☆ | 06/30/21 07:50 | 07/07/21 00:08 | 1       |
| Benzo(b)fluoranthene          | ND     |           | 220  | 35   | ug/Kg | ☆ | 06/30/21 07:50 | 07/07/21 00:08 | 1       |
| Benzo(g,h,i)perylene          | ND     |           | 220  | 23   | ug/Kg | ☆ | 06/30/21 07:50 | 07/07/21 00:08 | 1       |
| Benzo(k)fluoranthene          | ND     |           | 220  | 29   | ug/Kg | ☆ | 06/30/21 07:50 | 07/07/21 00:08 | 1       |
| Bis(2-chloroethoxy)methane    | ND     |           | 220  | 47   | ug/Kg | ☆ | 06/30/21 07:50 | 07/07/21 00:08 | 1       |
| Bis(2-chloroethyl)ether       | ND     |           | 220  | 29   | ug/Kg | ☆ | 06/30/21 07:50 | 07/07/21 00:08 | 1       |
| Bis(2-ethylhexyl) phthalate   | ND     |           | 220  | 76   | ug/Kg | ☆ | 06/30/21 07:50 | 07/07/21 00:08 | 1       |
| Butyl benzyl phthalate        | ND     |           | 220  | 36   | ug/Kg | ☆ | 06/30/21 07:50 | 07/07/21 00:08 | 1       |
| Caprolactam                   | ND     |           | 220  | 66   | ug/Kg | ☆ | 06/30/21 07:50 | 07/07/21 00:08 | 1       |
| Carbazole                     | ND     |           | 220  | 26   | ug/Kg | ☆ | 06/30/21 07:50 | 07/07/21 00:08 | 1       |
| Chrysene                      | ND     |           | 220  | 49   | ug/Kg | ☆ | 06/30/21 07:50 | 07/07/21 00:08 | 1       |
| Di-n-butyl phthalate          | 110    | J B       | 220  | 38   | ug/Kg | ☆ | 06/30/21 07:50 | 07/07/21 00:08 | 1       |
| Di-n-octyl phthalate          | ND     |           | 220  | 26   | ug/Kg | ☆ | 06/30/21 07:50 | 07/07/21 00:08 | 1       |
| Dibenz(a,h)anthracene         | ND     |           | 220  | 39   | ug/Kg | ☆ | 06/30/21 07:50 | 07/07/21 00:08 | 1       |
| Dibenzofuran                  | ND     |           | 220  | 26   | ug/Kg | ☆ | 06/30/21 07:50 | 07/07/21 00:08 | 1       |
| Diethyl phthalate             | ND     |           | 220  | 29   | ug/Kg | ☆ | 06/30/21 07:50 | 07/07/21 00:08 | 1       |
| Dimethyl phthalate            | ND     |           | 220  | 26   | ug/Kg | ☆ | 06/30/21 07:50 | 07/07/21 00:08 | 1       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186368-1

Client Sample ID: SS-06-0212

Lab Sample ID: 480-186368-8

Date Collected: 06/22/21 09:50

Matrix: Solid

Date Received: 06/22/21 12:15

Percent Solids: 75.5

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

| Analyte                   | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------------|--------|-----------|------|------|-------|---|----------------|----------------|---------|
| Fluoranthene              | ND     |           | 220  | 23   | ug/Kg | ✱ | 06/30/21 07:50 | 07/07/21 00:08 | 1       |
| Fluorene                  | ND     |           | 220  | 26   | ug/Kg | ✱ | 06/30/21 07:50 | 07/07/21 00:08 | 1       |
| Hexachlorobenzene         | ND     |           | 220  | 30   | ug/Kg | ✱ | 06/30/21 07:50 | 07/07/21 00:08 | 1       |
| Hexachlorobutadiene       | ND     |           | 220  | 33   | ug/Kg | ✱ | 06/30/21 07:50 | 07/07/21 00:08 | 1       |
| Hexachlorocyclopentadiene | ND     |           | 220  | 30   | ug/Kg | ✱ | 06/30/21 07:50 | 07/07/21 00:08 | 1       |
| Hexachloroethane          | ND     |           | 220  | 29   | ug/Kg | ✱ | 06/30/21 07:50 | 07/07/21 00:08 | 1       |
| Indeno(1,2,3-cd)pyrene    | ND     |           | 220  | 27   | ug/Kg | ✱ | 06/30/21 07:50 | 07/07/21 00:08 | 1       |
| Isophorone                | ND     |           | 220  | 47   | ug/Kg | ✱ | 06/30/21 07:50 | 07/07/21 00:08 | 1       |
| N-Nitrosodi-n-propylamine | ND     |           | 220  | 38   | ug/Kg | ✱ | 06/30/21 07:50 | 07/07/21 00:08 | 1       |
| N-Nitrosodiphenylamine    | ND     |           | 220  | 180  | ug/Kg | ✱ | 06/30/21 07:50 | 07/07/21 00:08 | 1       |
| Naphthalene               | ND     |           | 220  | 29   | ug/Kg | ✱ | 06/30/21 07:50 | 07/07/21 00:08 | 1       |
| Nitrobenzene              | ND     |           | 220  | 25   | ug/Kg | ✱ | 06/30/21 07:50 | 07/07/21 00:08 | 1       |
| Pentachlorophenol         | ND     |           | 430  | 220  | ug/Kg | ✱ | 06/30/21 07:50 | 07/07/21 00:08 | 1       |
| Phenanthrene              | ND     |           | 220  | 33   | ug/Kg | ✱ | 06/30/21 07:50 | 07/07/21 00:08 | 1       |
| Phenol                    | ND     |           | 220  | 34   | ug/Kg | ✱ | 06/30/21 07:50 | 07/07/21 00:08 | 1       |
| Pyrene                    | ND     |           | 220  | 26   | ug/Kg | ✱ | 06/30/21 07:50 | 07/07/21 00:08 | 1       |
| Benzoic acid              | ND     | *+        | 6300 | 2000 | ug/Kg | ✱ | 06/30/21 07:50 | 07/07/21 00:08 | 1       |

| Surrogate            | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 2,4,6-Tribromophenol | 103       |           | 54 - 120 | 06/30/21 07:50 | 07/07/21 00:08 | 1       |
| 2-Fluorobiphenyl     | 86        |           | 60 - 120 | 06/30/21 07:50 | 07/07/21 00:08 | 1       |
| 2-Fluorophenol       | 79        |           | 52 - 120 | 06/30/21 07:50 | 07/07/21 00:08 | 1       |
| Nitrobenzene-d5      | 82        |           | 53 - 120 | 06/30/21 07:50 | 07/07/21 00:08 | 1       |
| p-Terphenyl-d14      | 108       |           | 79 - 130 | 06/30/21 07:50 | 07/07/21 00:08 | 1       |
| Phenol-d5            | 80        |           | 54 - 120 | 06/30/21 07:50 | 07/07/21 00:08 | 1       |

## Method: 8081B - Organochlorine Pesticides (GC)

| Analyte             | Result | Qualifier | RL  | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|--------|-----------|-----|------|-------|---|----------------|----------------|---------|
| 4,4'-DDD            | ND     |           | 2.2 | 0.43 | ug/Kg | ✱ | 06/29/21 07:46 | 06/30/21 14:22 | 1       |
| 4,4'-DDE            | ND     |           | 2.2 | 0.46 | ug/Kg | ✱ | 06/29/21 07:46 | 06/30/21 14:22 | 1       |
| 4,4'-DDT            | ND     |           | 2.2 | 0.51 | ug/Kg | ✱ | 06/29/21 07:46 | 06/30/21 14:22 | 1       |
| Aldrin              | ND     |           | 2.2 | 0.54 | ug/Kg | ✱ | 06/29/21 07:46 | 06/30/21 14:22 | 1       |
| alpha-BHC           | ND     |           | 2.2 | 0.40 | ug/Kg | ✱ | 06/29/21 07:46 | 06/30/21 14:22 | 1       |
| cis-Chlordane       | ND     |           | 2.2 | 1.1  | ug/Kg | ✱ | 06/29/21 07:46 | 06/30/21 14:22 | 1       |
| beta-BHC            | ND     |           | 2.2 | 0.40 | ug/Kg | ✱ | 06/29/21 07:46 | 06/30/21 14:22 | 1       |
| delta-BHC           | ND     |           | 2.2 | 0.41 | ug/Kg | ✱ | 06/29/21 07:46 | 06/30/21 14:22 | 1       |
| Dieldrin            | ND     |           | 2.2 | 0.53 | ug/Kg | ✱ | 06/29/21 07:46 | 06/30/21 14:22 | 1       |
| Endosulfan I        | ND     |           | 2.2 | 0.42 | ug/Kg | ✱ | 06/29/21 07:46 | 06/30/21 14:22 | 1       |
| Endosulfan II       | ND     |           | 2.2 | 0.40 | ug/Kg | ✱ | 06/29/21 07:46 | 06/30/21 14:22 | 1       |
| Endosulfan sulfate  | ND     |           | 2.2 | 0.41 | ug/Kg | ✱ | 06/29/21 07:46 | 06/30/21 14:22 | 1       |
| Endrin              | ND     |           | 2.2 | 0.44 | ug/Kg | ✱ | 06/29/21 07:46 | 06/30/21 14:22 | 1       |
| Endrin aldehyde     | ND     |           | 2.2 | 0.56 | ug/Kg | ✱ | 06/29/21 07:46 | 06/30/21 14:22 | 1       |
| Endrin ketone       | ND     |           | 2.2 | 0.54 | ug/Kg | ✱ | 06/29/21 07:46 | 06/30/21 14:22 | 1       |
| gamma-BHC (Lindane) | ND     |           | 2.2 | 0.40 | ug/Kg | ✱ | 06/29/21 07:46 | 06/30/21 14:22 | 1       |
| trans-Chlordane     | ND     |           | 2.2 | 0.70 | ug/Kg | ✱ | 06/29/21 07:46 | 06/30/21 14:22 | 1       |
| Heptachlor          | ND     |           | 2.2 | 0.48 | ug/Kg | ✱ | 06/29/21 07:46 | 06/30/21 14:22 | 1       |
| Heptachlor epoxide  | ND     |           | 2.2 | 0.57 | ug/Kg | ✱ | 06/29/21 07:46 | 06/30/21 14:22 | 1       |
| Methoxychlor        | ND     |           | 2.2 | 0.45 | ug/Kg | ✱ | 06/29/21 07:46 | 06/30/21 14:22 | 1       |
| Toxaphene           | ND     |           | 2.2 | 13   | ug/Kg | ✱ | 06/29/21 07:46 | 06/30/21 14:22 | 1       |
| Mirex               | ND     |           | 2.2 | 0.54 | ug/Kg | ✱ | 06/29/21 07:46 | 06/30/21 14:22 | 1       |

Eurofins TestAmerica, Buffalo

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186368-1

Client Sample ID: SS-06-0212

Lab Sample ID: 480-186368-8

Date Collected: 06/22/21 09:50

Matrix: Solid

Date Received: 06/22/21 12:15

Percent Solids: 75.5

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| DCB Decachlorobiphenyl | 111       |           | 45 - 120 | 06/29/21 07:46 | 06/30/21 14:22 | 1       |
| DCB Decachlorobiphenyl | 89        |           | 45 - 120 | 06/29/21 07:46 | 06/30/21 14:22 | 1       |
| Tetrachloro-m-xylene   | 85        |           | 30 - 124 | 06/29/21 07:46 | 06/30/21 14:22 | 1       |
| Tetrachloro-m-xylene   | 81        |           | 30 - 124 | 06/29/21 07:46 | 06/30/21 14:22 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| PCB-1016 | ND     |           | 0.29 | 0.056 | mg/Kg | ☆ | 07/01/21 15:01 | 07/05/21 23:45 | 1       |
| PCB-1221 | ND     |           | 0.29 | 0.056 | mg/Kg | ☆ | 07/01/21 15:01 | 07/05/21 23:45 | 1       |
| PCB-1232 | ND     |           | 0.29 | 0.056 | mg/Kg | ☆ | 07/01/21 15:01 | 07/05/21 23:45 | 1       |
| PCB-1242 | ND     |           | 0.29 | 0.056 | mg/Kg | ☆ | 07/01/21 15:01 | 07/05/21 23:45 | 1       |
| PCB-1248 | ND     |           | 0.29 | 0.056 | mg/Kg | ☆ | 07/01/21 15:01 | 07/05/21 23:45 | 1       |
| PCB-1254 | ND     |           | 0.29 | 0.13  | mg/Kg | ☆ | 07/01/21 15:01 | 07/05/21 23:45 | 1       |
| PCB-1260 | ND     |           | 0.29 | 0.13  | mg/Kg | ☆ | 07/01/21 15:01 | 07/05/21 23:45 | 1       |
| PCB-1262 | ND     |           | 0.29 | 0.13  | mg/Kg | ☆ | 07/01/21 15:01 | 07/05/21 23:45 | 1       |
| PCB-1268 | ND     |           | 0.29 | 0.13  | mg/Kg | ☆ | 07/01/21 15:01 | 07/05/21 23:45 | 1       |

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| Tetrachloro-m-xylene   | 144       |           | 60 - 154 | 07/01/21 15:01 | 07/05/21 23:45 | 1       |
| Tetrachloro-m-xylene   | 148       |           | 60 - 154 | 07/01/21 15:01 | 07/05/21 23:45 | 1       |
| DCB Decachlorobiphenyl | 139       |           | 65 - 174 | 07/01/21 15:01 | 07/05/21 23:45 | 1       |
| DCB Decachlorobiphenyl | 134       |           | 65 - 174 | 07/01/21 15:01 | 07/05/21 23:45 | 1       |

## Method: 6010C - Metals (ICP)

| Analyte   | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| Aluminum  | 14800  |           | 14.0 | 6.2   | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 19:15 | 1       |
| Antimony  | ND     |           | 21.0 | 0.56  | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 19:15 | 1       |
| Arsenic   | 4.1    |           | 2.8  | 0.56  | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 19:15 | 1       |
| Barium    | 82.1   | ^6+       | 0.70 | 0.15  | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 19:15 | 1       |
| Beryllium | 0.69   |           | 0.28 | 0.039 | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 19:15 | 1       |
| Cadmium   | 0.24   | J         | 0.28 | 0.042 | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 19:15 | 1       |
| Calcium   | 5150   | B         | 70.0 | 4.6   | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 19:15 | 1       |
| Chromium  | 19.0   |           | 0.70 | 0.28  | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 19:15 | 1       |
| Cobalt    | 10.8   |           | 0.70 | 0.070 | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 19:15 | 1       |
| Copper    | 14.7   |           | 1.4  | 0.29  | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 19:15 | 1       |
| Iron      | 19100  | ^+        | 14.0 | 4.9   | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 19:15 | 1       |
| Lead      | 15.0   |           | 1.4  | 0.34  | mg/Kg | ☆ | 07/07/21 09:52 | 07/08/21 02:50 | 1       |
| Magnesium | 3330   |           | 28.0 | 1.3   | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 19:15 | 1       |
| Manganese | 440    | B         | 0.28 | 0.045 | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 19:15 | 1       |
| Nickel    | 22.7   |           | 7.0  | 0.32  | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 19:15 | 1       |
| Potassium | 1270   |           | 42.0 | 28.0  | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 19:15 | 1       |
| Selenium  | 1.2    | J         | 5.6  | 0.56  | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 19:15 | 1       |
| Silver    | ND     |           | 0.84 | 0.28  | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 19:15 | 1       |
| Sodium    | 85.2   | J         | 196  | 18.2  | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 19:15 | 1       |
| Thallium  | ND     |           | 8.4  | 0.42  | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 19:15 | 1       |
| Vanadium  | 31.3   |           | 0.70 | 0.15  | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 19:15 | 1       |
| Zinc      | 49.0   |           | 2.8  | 0.90  | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 19:15 | 1       |

## Method: 7471B - Mercury (CVAA)

| Analyte | Result | Qualifier | RL    | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------|--------|-----------|-------|-------|-------|---|----------------|----------------|---------|
| Mercury | 0.020  | J         | 0.059 | 0.014 | mg/Kg | ☆ | 07/01/21 13:35 | 07/01/21 15:58 | 1       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186368-1

Client Sample ID: SS-07-0002

Lab Sample ID: 480-186368-9

Date Collected: 06/22/21 09:20

Matrix: Solid

Date Received: 06/22/21 12:15

Percent Solids: 77.1

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

| Analyte                       | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|--------|-----------|------|------|-------|---|----------------|----------------|---------|
| Biphenyl                      | ND     |           | 220  | 32   | ug/Kg | ✱ | 06/30/21 07:50 | 07/07/21 00:32 | 1       |
| bis (2-chloroisopropyl) ether | ND     |           | 220  | 44   | ug/Kg | ✱ | 06/30/21 07:50 | 07/07/21 00:32 | 1       |
| 2,4,5-Trichlorophenol         | ND     |           | 220  | 59   | ug/Kg | ✱ | 06/30/21 07:50 | 07/07/21 00:32 | 1       |
| 2,4,6-Trichlorophenol         | ND     |           | 220  | 44   | ug/Kg | ✱ | 06/30/21 07:50 | 07/07/21 00:32 | 1       |
| 2,4-Dichlorophenol            | ND     |           | 220  | 23   | ug/Kg | ✱ | 06/30/21 07:50 | 07/07/21 00:32 | 1       |
| 2,4-Dimethylphenol            | ND     |           | 220  | 53   | ug/Kg | ✱ | 06/30/21 07:50 | 07/07/21 00:32 | 1       |
| 2,4-Dinitrophenol             | ND     |           | 2100 | 1000 | ug/Kg | ✱ | 06/30/21 07:50 | 07/07/21 00:32 | 1       |
| 2,4-Dinitrotoluene            | ND     |           | 220  | 45   | ug/Kg | ✱ | 06/30/21 07:50 | 07/07/21 00:32 | 1       |
| 2,6-Dinitrotoluene            | ND     |           | 220  | 26   | ug/Kg | ✱ | 06/30/21 07:50 | 07/07/21 00:32 | 1       |
| 2-Chloronaphthalene           | ND     |           | 220  | 36   | ug/Kg | ✱ | 06/30/21 07:50 | 07/07/21 00:32 | 1       |
| 2-Chlorophenol                | ND     |           | 420  | 40   | ug/Kg | ✱ | 06/30/21 07:50 | 07/07/21 00:32 | 1       |
| 2-Methylnaphthalene           | ND     |           | 220  | 44   | ug/Kg | ✱ | 06/30/21 07:50 | 07/07/21 00:32 | 1       |
| 2-Methylphenol                | ND     |           | 220  | 26   | ug/Kg | ✱ | 06/30/21 07:50 | 07/07/21 00:32 | 1       |
| 2-Nitroaniline                | ND     |           | 420  | 32   | ug/Kg | ✱ | 06/30/21 07:50 | 07/07/21 00:32 | 1       |
| 2-Nitrophenol                 | ND     |           | 220  | 62   | ug/Kg | ✱ | 06/30/21 07:50 | 07/07/21 00:32 | 1       |
| 3,3'-Dichlorobenzidine        | ND     |           | 420  | 260  | ug/Kg | ✱ | 06/30/21 07:50 | 07/07/21 00:32 | 1       |
| 3-Nitroaniline                | ND     |           | 420  | 60   | ug/Kg | ✱ | 06/30/21 07:50 | 07/07/21 00:32 | 1       |
| 4,6-Dinitro-2-methylphenol    | ND     |           | 420  | 220  | ug/Kg | ✱ | 06/30/21 07:50 | 07/07/21 00:32 | 1       |
| 4-Bromophenyl phenyl ether    | ND     |           | 220  | 31   | ug/Kg | ✱ | 06/30/21 07:50 | 07/07/21 00:32 | 1       |
| 4-Chloro-3-methylphenol       | ND     |           | 220  | 54   | ug/Kg | ✱ | 06/30/21 07:50 | 07/07/21 00:32 | 1       |
| 4-Chloroaniline               | ND     |           | 220  | 54   | ug/Kg | ✱ | 06/30/21 07:50 | 07/07/21 00:32 | 1       |
| 4-Chlorophenyl phenyl ether   | ND     |           | 220  | 27   | ug/Kg | ✱ | 06/30/21 07:50 | 07/07/21 00:32 | 1       |
| 4-Methylphenol                | ND     |           | 420  | 26   | ug/Kg | ✱ | 06/30/21 07:50 | 07/07/21 00:32 | 1       |
| 4-Nitroaniline                | ND     |           | 420  | 110  | ug/Kg | ✱ | 06/30/21 07:50 | 07/07/21 00:32 | 1       |
| 4-Nitrophenol                 | ND     |           | 420  | 150  | ug/Kg | ✱ | 06/30/21 07:50 | 07/07/21 00:32 | 1       |
| Acenaphthene                  | ND     |           | 220  | 32   | ug/Kg | ✱ | 06/30/21 07:50 | 07/07/21 00:32 | 1       |
| Acenaphthylene                | ND     |           | 220  | 28   | ug/Kg | ✱ | 06/30/21 07:50 | 07/07/21 00:32 | 1       |
| Acetophenone                  | ND     |           | 220  | 29   | ug/Kg | ✱ | 06/30/21 07:50 | 07/07/21 00:32 | 1       |
| Anthracene                    | ND     |           | 220  | 54   | ug/Kg | ✱ | 06/30/21 07:50 | 07/07/21 00:32 | 1       |
| Atrazine                      | ND     |           | 220  | 76   | ug/Kg | ✱ | 06/30/21 07:50 | 07/07/21 00:32 | 1       |
| Benzaldehyde                  | ND     |           | 220  | 170  | ug/Kg | ✱ | 06/30/21 07:50 | 07/07/21 00:32 | 1       |
| Benzo(a)anthracene            | ND     |           | 220  | 22   | ug/Kg | ✱ | 06/30/21 07:50 | 07/07/21 00:32 | 1       |
| Benzo(a)pyrene                | 32     | J         | 220  | 32   | ug/Kg | ✱ | 06/30/21 07:50 | 07/07/21 00:32 | 1       |
| Benzo(b)fluoranthene          | 48     | J         | 220  | 35   | ug/Kg | ✱ | 06/30/21 07:50 | 07/07/21 00:32 | 1       |
| Benzo(g,h,i)perylene          | 34     | J         | 220  | 23   | ug/Kg | ✱ | 06/30/21 07:50 | 07/07/21 00:32 | 1       |
| Benzo(k)fluoranthene          | ND     |           | 220  | 28   | ug/Kg | ✱ | 06/30/21 07:50 | 07/07/21 00:32 | 1       |
| Bis(2-chloroethoxy)methane    | ND     |           | 220  | 46   | ug/Kg | ✱ | 06/30/21 07:50 | 07/07/21 00:32 | 1       |
| Bis(2-chloroethyl)ether       | ND     |           | 220  | 28   | ug/Kg | ✱ | 06/30/21 07:50 | 07/07/21 00:32 | 1       |
| Bis(2-ethylhexyl) phthalate   | 110    | J         | 220  | 74   | ug/Kg | ✱ | 06/30/21 07:50 | 07/07/21 00:32 | 1       |
| Butyl benzyl phthalate        | ND     |           | 220  | 36   | ug/Kg | ✱ | 06/30/21 07:50 | 07/07/21 00:32 | 1       |
| Caprolactam                   | ND     |           | 220  | 65   | ug/Kg | ✱ | 06/30/21 07:50 | 07/07/21 00:32 | 1       |
| Carbazole                     | ND     |           | 220  | 26   | ug/Kg | ✱ | 06/30/21 07:50 | 07/07/21 00:32 | 1       |
| Chrysene                      | ND     |           | 220  | 49   | ug/Kg | ✱ | 06/30/21 07:50 | 07/07/21 00:32 | 1       |
| Di-n-butyl phthalate          | 170    | J B       | 220  | 37   | ug/Kg | ✱ | 06/30/21 07:50 | 07/07/21 00:32 | 1       |
| Di-n-octyl phthalate          | ND     |           | 220  | 26   | ug/Kg | ✱ | 06/30/21 07:50 | 07/07/21 00:32 | 1       |
| Dibenz(a,h)anthracene         | ND     |           | 220  | 38   | ug/Kg | ✱ | 06/30/21 07:50 | 07/07/21 00:32 | 1       |
| Dibenzofuran                  | ND     |           | 220  | 26   | ug/Kg | ✱ | 06/30/21 07:50 | 07/07/21 00:32 | 1       |
| Diethyl phthalate             | ND     |           | 220  | 28   | ug/Kg | ✱ | 06/30/21 07:50 | 07/07/21 00:32 | 1       |
| Dimethyl phthalate            | ND     |           | 220  | 26   | ug/Kg | ✱ | 06/30/21 07:50 | 07/07/21 00:32 | 1       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186368-1

Client Sample ID: SS-07-0002

Lab Sample ID: 480-186368-9

Date Collected: 06/22/21 09:20

Matrix: Solid

Date Received: 06/22/21 12:15

Percent Solids: 77.1

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

| Analyte                   | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------------|--------|-----------|------|------|-------|---|----------------|----------------|---------|
| Fluoranthene              | 55     | J         | 220  | 23   | ug/Kg | ☆ | 06/30/21 07:50 | 07/07/21 00:32 | 1       |
| Fluorene                  | ND     |           | 220  | 26   | ug/Kg | ☆ | 06/30/21 07:50 | 07/07/21 00:32 | 1       |
| Hexachlorobenzene         | ND     |           | 220  | 29   | ug/Kg | ☆ | 06/30/21 07:50 | 07/07/21 00:32 | 1       |
| Hexachlorobutadiene       | ND     |           | 220  | 32   | ug/Kg | ☆ | 06/30/21 07:50 | 07/07/21 00:32 | 1       |
| Hexachlorocyclopentadiene | ND     |           | 220  | 29   | ug/Kg | ☆ | 06/30/21 07:50 | 07/07/21 00:32 | 1       |
| Hexachloroethane          | ND     |           | 220  | 28   | ug/Kg | ☆ | 06/30/21 07:50 | 07/07/21 00:32 | 1       |
| Indeno(1,2,3-cd)pyrene    | ND     |           | 220  | 27   | ug/Kg | ☆ | 06/30/21 07:50 | 07/07/21 00:32 | 1       |
| Isophorone                | ND     |           | 220  | 46   | ug/Kg | ☆ | 06/30/21 07:50 | 07/07/21 00:32 | 1       |
| N-Nitrosodi-n-propylamine | ND     |           | 220  | 37   | ug/Kg | ☆ | 06/30/21 07:50 | 07/07/21 00:32 | 1       |
| N-Nitrosodiphenylamine    | ND     |           | 220  | 180  | ug/Kg | ☆ | 06/30/21 07:50 | 07/07/21 00:32 | 1       |
| Naphthalene               | ND     |           | 220  | 28   | ug/Kg | ☆ | 06/30/21 07:50 | 07/07/21 00:32 | 1       |
| Nitrobenzene              | ND     |           | 220  | 24   | ug/Kg | ☆ | 06/30/21 07:50 | 07/07/21 00:32 | 1       |
| Pentachlorophenol         | ND     |           | 420  | 220  | ug/Kg | ☆ | 06/30/21 07:50 | 07/07/21 00:32 | 1       |
| Phenanthrene              | ND     |           | 220  | 32   | ug/Kg | ☆ | 06/30/21 07:50 | 07/07/21 00:32 | 1       |
| Phenol                    | ND     |           | 220  | 33   | ug/Kg | ☆ | 06/30/21 07:50 | 07/07/21 00:32 | 1       |
| Pyrene                    | 46     | J         | 220  | 26   | ug/Kg | ☆ | 06/30/21 07:50 | 07/07/21 00:32 | 1       |
| Benzoic acid              | ND     | *+        | 6200 | 1900 | ug/Kg | ☆ | 06/30/21 07:50 | 07/07/21 00:32 | 1       |

| Surrogate            | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 2,4,6-Tribromophenol | 108       |           | 54 - 120 | 06/30/21 07:50 | 07/07/21 00:32 | 1       |
| 2-Fluorobiphenyl     | 93        |           | 60 - 120 | 06/30/21 07:50 | 07/07/21 00:32 | 1       |
| 2-Fluorophenol       | 84        |           | 52 - 120 | 06/30/21 07:50 | 07/07/21 00:32 | 1       |
| Nitrobenzene-d5      | 90        |           | 53 - 120 | 06/30/21 07:50 | 07/07/21 00:32 | 1       |
| p-Terphenyl-d14      | 106       |           | 79 - 130 | 06/30/21 07:50 | 07/07/21 00:32 | 1       |
| Phenol-d5            | 88        |           | 54 - 120 | 06/30/21 07:50 | 07/07/21 00:32 | 1       |

## Method: 8081B - Organochlorine Pesticides (GC)

| Analyte             | Result | Qualifier | RL  | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|--------|-----------|-----|------|-------|---|----------------|----------------|---------|
| 4,4'-DDD            | 1.6    | J         | 2.1 | 0.41 | ug/Kg | ☆ | 06/29/21 07:46 | 06/30/21 14:42 | 1       |
| 4,4'-DDE            | 9.2    |           | 2.1 | 0.44 | ug/Kg | ☆ | 06/29/21 07:46 | 06/30/21 14:42 | 1       |
| 4,4'-DDT            | 11     |           | 2.1 | 0.49 | ug/Kg | ☆ | 06/29/21 07:46 | 06/30/21 14:42 | 1       |
| Aldrin              | ND     |           | 2.1 | 0.52 | ug/Kg | ☆ | 06/29/21 07:46 | 06/30/21 14:42 | 1       |
| alpha-BHC           | ND     |           | 2.1 | 0.38 | ug/Kg | ☆ | 06/29/21 07:46 | 06/30/21 14:42 | 1       |
| cis-Chlordane       | ND     |           | 2.1 | 1.0  | ug/Kg | ☆ | 06/29/21 07:46 | 06/30/21 14:42 | 1       |
| beta-BHC            | 2.2    |           | 2.1 | 0.38 | ug/Kg | ☆ | 06/29/21 07:46 | 06/30/21 14:42 | 1       |
| delta-BHC           | ND     |           | 2.1 | 0.39 | ug/Kg | ☆ | 06/29/21 07:46 | 06/30/21 14:42 | 1       |
| Dieldrin            | 0.51   | J         | 2.1 | 0.50 | ug/Kg | ☆ | 06/29/21 07:46 | 06/30/21 14:42 | 1       |
| Endosulfan I        | ND     |           | 2.1 | 0.40 | ug/Kg | ☆ | 06/29/21 07:46 | 06/30/21 14:42 | 1       |
| Endosulfan II       | ND     |           | 2.1 | 0.38 | ug/Kg | ☆ | 06/29/21 07:46 | 06/30/21 14:42 | 1       |
| Endosulfan sulfate  | ND     |           | 2.1 | 0.39 | ug/Kg | ☆ | 06/29/21 07:46 | 06/30/21 14:42 | 1       |
| Endrin              | ND     |           | 2.1 | 0.42 | ug/Kg | ☆ | 06/29/21 07:46 | 06/30/21 14:42 | 1       |
| Endrin aldehyde     | 1.4    | J         | 2.1 | 0.54 | ug/Kg | ☆ | 06/29/21 07:46 | 06/30/21 14:42 | 1       |
| Endrin ketone       | ND     |           | 2.1 | 0.52 | ug/Kg | ☆ | 06/29/21 07:46 | 06/30/21 14:42 | 1       |
| gamma-BHC (Lindane) | ND     |           | 2.1 | 0.39 | ug/Kg | ☆ | 06/29/21 07:46 | 06/30/21 14:42 | 1       |
| trans-Chlordane     | ND     |           | 2.1 | 0.67 | ug/Kg | ☆ | 06/29/21 07:46 | 06/30/21 14:42 | 1       |
| Heptachlor          | ND     |           | 2.1 | 0.45 | ug/Kg | ☆ | 06/29/21 07:46 | 06/30/21 14:42 | 1       |
| Heptachlor epoxide  | ND     |           | 2.1 | 0.54 | ug/Kg | ☆ | 06/29/21 07:46 | 06/30/21 14:42 | 1       |
| Methoxychlor        | 0.52   | J         | 2.1 | 0.43 | ug/Kg | ☆ | 06/29/21 07:46 | 06/30/21 14:42 | 1       |
| Toxaphene           | ND     |           | 2.1 | 12   | ug/Kg | ☆ | 06/29/21 07:46 | 06/30/21 14:42 | 1       |
| Mirex               | 1.9    | J         | 2.1 | 0.51 | ug/Kg | ☆ | 06/29/21 07:46 | 06/30/21 14:42 | 1       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186368-1

Client Sample ID: SS-07-0002

Lab Sample ID: 480-186368-9

Date Collected: 06/22/21 09:20

Matrix: Solid

Date Received: 06/22/21 12:15

Percent Solids: 77.1

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| DCB Decachlorobiphenyl | 71        |           | 45 - 120 | 06/29/21 07:46 | 06/30/21 14:42 | 1       |
| DCB Decachlorobiphenyl | 76        |           | 45 - 120 | 06/29/21 07:46 | 06/30/21 14:42 | 1       |
| Tetrachloro-m-xylene   | 84        |           | 30 - 124 | 06/29/21 07:46 | 06/30/21 14:42 | 1       |
| Tetrachloro-m-xylene   | 61        |           | 30 - 124 | 06/29/21 07:46 | 06/30/21 14:42 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| PCB-1016 | ND     |           | 0.31 | 0.061 | mg/Kg | ☆ | 07/01/21 15:01 | 07/05/21 23:58 | 1       |
| PCB-1221 | ND     |           | 0.31 | 0.061 | mg/Kg | ☆ | 07/01/21 15:01 | 07/05/21 23:58 | 1       |
| PCB-1232 | ND     |           | 0.31 | 0.061 | mg/Kg | ☆ | 07/01/21 15:01 | 07/05/21 23:58 | 1       |
| PCB-1242 | ND     |           | 0.31 | 0.061 | mg/Kg | ☆ | 07/01/21 15:01 | 07/05/21 23:58 | 1       |
| PCB-1248 | ND     |           | 0.31 | 0.061 | mg/Kg | ☆ | 07/01/21 15:01 | 07/05/21 23:58 | 1       |
| PCB-1254 | ND     |           | 0.31 | 0.15  | mg/Kg | ☆ | 07/01/21 15:01 | 07/05/21 23:58 | 1       |
| PCB-1260 | ND     |           | 0.31 | 0.15  | mg/Kg | ☆ | 07/01/21 15:01 | 07/05/21 23:58 | 1       |
| PCB-1262 | ND     |           | 0.31 | 0.15  | mg/Kg | ☆ | 07/01/21 15:01 | 07/05/21 23:58 | 1       |
| PCB-1268 | ND     |           | 0.31 | 0.15  | mg/Kg | ☆ | 07/01/21 15:01 | 07/05/21 23:58 | 1       |

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| Tetrachloro-m-xylene   | 140       |           | 60 - 154 | 07/01/21 15:01 | 07/05/21 23:58 | 1       |
| Tetrachloro-m-xylene   | 148       |           | 60 - 154 | 07/01/21 15:01 | 07/05/21 23:58 | 1       |
| DCB Decachlorobiphenyl | 139       |           | 65 - 174 | 07/01/21 15:01 | 07/05/21 23:58 | 1       |
| DCB Decachlorobiphenyl | 130       |           | 65 - 174 | 07/01/21 15:01 | 07/05/21 23:58 | 1       |

## Method: 6010C - Metals (ICP)

| Analyte   | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| Aluminum  | 15500  |           | 13.4 | 5.9   | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 19:19 | 1       |
| Antimony  | ND     |           | 20.1 | 0.54  | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 19:19 | 1       |
| Arsenic   | 4.6    |           | 2.7  | 0.54  | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 19:19 | 1       |
| Barium    | 84.4   | ^6+       | 0.67 | 0.15  | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 19:19 | 1       |
| Beryllium | 0.68   |           | 0.27 | 0.038 | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 19:19 | 1       |
| Cadmium   | 0.64   |           | 0.27 | 0.040 | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 19:19 | 1       |
| Calcium   | 34300  | B         | 67.0 | 4.4   | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 19:19 | 1       |
| Chromium  | 20.9   |           | 0.67 | 0.27  | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 19:19 | 1       |
| Cobalt    | 9.1    |           | 0.67 | 0.067 | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 19:19 | 1       |
| Copper    | 20.4   |           | 1.3  | 0.28  | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 19:19 | 1       |
| Iron      | 19500  | ^+        | 13.4 | 4.7   | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 19:19 | 1       |
| Lead      | 35.0   | B         | 1.3  | 0.32  | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 19:19 | 1       |
| Magnesium | 11400  |           | 26.8 | 1.2   | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 19:19 | 1       |
| Manganese | 380    | B         | 0.27 | 0.043 | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 19:19 | 1       |
| Nickel    | 23.2   |           | 6.7  | 0.31  | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 19:19 | 1       |
| Potassium | 3800   |           | 40.2 | 26.8  | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 19:19 | 1       |
| Selenium  | 1.3    | J         | 5.4  | 0.54  | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 19:19 | 1       |
| Silver    | 19.3   |           | 0.80 | 0.27  | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 19:19 | 1       |
| Sodium    | 213    |           | 188  | 17.4  | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 19:19 | 1       |
| Thallium  | ND     |           | 8.0  | 0.40  | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 19:19 | 1       |
| Vanadium  | 30.0   |           | 0.67 | 0.15  | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 19:19 | 1       |
| Zinc      | 111    |           | 2.7  | 0.86  | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 19:19 | 1       |

## Method: 7471B - Mercury (CVAA)

| Analyte | Result | Qualifier | RL    | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------|--------|-----------|-------|-------|-------|---|----------------|----------------|---------|
| Mercury | 0.098  |           | 0.061 | 0.014 | mg/Kg | ☆ | 07/01/21 13:35 | 07/01/21 15:59 | 1       |

Eurofins TestAmerica, Buffalo

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186368-1

Client Sample ID: SS-07-0212

Lab Sample ID: 480-186368-10

Date Collected: 06/22/21 09:25

Matrix: Solid

Date Received: 06/22/21 12:15

Percent Solids: 79.8

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

| Analyte                       | Result  | Qualifier | RL   | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|---------|-----------|------|-----|-------|---|----------------|----------------|---------|
| Biphenyl                      | ND      |           | 210  | 31  | ug/Kg | ✱ | 06/30/21 07:50 | 07/07/21 00:55 | 1       |
| bis (2-chloroisopropyl) ether | ND      |           | 210  | 42  | ug/Kg | ✱ | 06/30/21 07:50 | 07/07/21 00:55 | 1       |
| 2,4,5-Trichlorophenol         | ND      |           | 210  | 57  | ug/Kg | ✱ | 06/30/21 07:50 | 07/07/21 00:55 | 1       |
| 2,4,6-Trichlorophenol         | ND      |           | 210  | 42  | ug/Kg | ✱ | 06/30/21 07:50 | 07/07/21 00:55 | 1       |
| 2,4-Dichlorophenol            | ND      |           | 210  | 22  | ug/Kg | ✱ | 06/30/21 07:50 | 07/07/21 00:55 | 1       |
| 2,4-Dimethylphenol            | ND      |           | 210  | 51  | ug/Kg | ✱ | 06/30/21 07:50 | 07/07/21 00:55 | 1       |
| 2,4-Dinitrophenol             | ND      |           | 2100 | 970 | ug/Kg | ✱ | 06/30/21 07:50 | 07/07/21 00:55 | 1       |
| 2,4-Dinitrotoluene            | ND      |           | 210  | 44  | ug/Kg | ✱ | 06/30/21 07:50 | 07/07/21 00:55 | 1       |
| 2,6-Dinitrotoluene            | ND      |           | 210  | 25  | ug/Kg | ✱ | 06/30/21 07:50 | 07/07/21 00:55 | 1       |
| 2-Chloronaphthalene           | ND      |           | 210  | 35  | ug/Kg | ✱ | 06/30/21 07:50 | 07/07/21 00:55 | 1       |
| 2-Chlorophenol                | ND      |           | 410  | 39  | ug/Kg | ✱ | 06/30/21 07:50 | 07/07/21 00:55 | 1       |
| 2-Methylnaphthalene           | ND      |           | 210  | 42  | ug/Kg | ✱ | 06/30/21 07:50 | 07/07/21 00:55 | 1       |
| 2-Methylphenol                | ND      |           | 210  | 25  | ug/Kg | ✱ | 06/30/21 07:50 | 07/07/21 00:55 | 1       |
| 2-Nitroaniline                | ND      |           | 410  | 31  | ug/Kg | ✱ | 06/30/21 07:50 | 07/07/21 00:55 | 1       |
| 2-Nitrophenol                 | ND      |           | 210  | 60  | ug/Kg | ✱ | 06/30/21 07:50 | 07/07/21 00:55 | 1       |
| 3,3'-Dichlorobenzidine        | ND      |           | 410  | 250 | ug/Kg | ✱ | 06/30/21 07:50 | 07/07/21 00:55 | 1       |
| 3-Nitroaniline                | ND      |           | 410  | 58  | ug/Kg | ✱ | 06/30/21 07:50 | 07/07/21 00:55 | 1       |
| 4,6-Dinitro-2-methylphenol    | ND      |           | 410  | 210 | ug/Kg | ✱ | 06/30/21 07:50 | 07/07/21 00:55 | 1       |
| 4-Bromophenyl phenyl ether    | ND      |           | 210  | 30  | ug/Kg | ✱ | 06/30/21 07:50 | 07/07/21 00:55 | 1       |
| 4-Chloro-3-methylphenol       | ND      |           | 210  | 52  | ug/Kg | ✱ | 06/30/21 07:50 | 07/07/21 00:55 | 1       |
| 4-Chloroaniline               | ND      |           | 210  | 52  | ug/Kg | ✱ | 06/30/21 07:50 | 07/07/21 00:55 | 1       |
| 4-Chlorophenyl phenyl ether   | ND      |           | 210  | 26  | ug/Kg | ✱ | 06/30/21 07:50 | 07/07/21 00:55 | 1       |
| 4-Methylphenol                | ND      |           | 410  | 25  | ug/Kg | ✱ | 06/30/21 07:50 | 07/07/21 00:55 | 1       |
| 4-Nitroaniline                | ND      |           | 410  | 110 | ug/Kg | ✱ | 06/30/21 07:50 | 07/07/21 00:55 | 1       |
| 4-Nitrophenol                 | ND      |           | 410  | 150 | ug/Kg | ✱ | 06/30/21 07:50 | 07/07/21 00:55 | 1       |
| Acenaphthene                  | ND      |           | 210  | 31  | ug/Kg | ✱ | 06/30/21 07:50 | 07/07/21 00:55 | 1       |
| Acenaphthylene                | ND      |           | 210  | 27  | ug/Kg | ✱ | 06/30/21 07:50 | 07/07/21 00:55 | 1       |
| Acetophenone                  | ND      |           | 210  | 29  | ug/Kg | ✱ | 06/30/21 07:50 | 07/07/21 00:55 | 1       |
| Anthracene                    | ND      |           | 210  | 52  | ug/Kg | ✱ | 06/30/21 07:50 | 07/07/21 00:55 | 1       |
| Atrazine                      | ND      |           | 210  | 73  | ug/Kg | ✱ | 06/30/21 07:50 | 07/07/21 00:55 | 1       |
| Benzaldehyde                  | ND      |           | 210  | 170 | ug/Kg | ✱ | 06/30/21 07:50 | 07/07/21 00:55 | 1       |
| Benzo(a)anthracene            | ND      |           | 210  | 21  | ug/Kg | ✱ | 06/30/21 07:50 | 07/07/21 00:55 | 1       |
| Benzo(a)pyrene                | 32 J    |           | 210  | 31  | ug/Kg | ✱ | 06/30/21 07:50 | 07/07/21 00:55 | 1       |
| Benzo(b)fluoranthene          | 52 J    |           | 210  | 34  | ug/Kg | ✱ | 06/30/21 07:50 | 07/07/21 00:55 | 1       |
| Benzo(g,h,i)perylene          | ND      |           | 210  | 22  | ug/Kg | ✱ | 06/30/21 07:50 | 07/07/21 00:55 | 1       |
| Benzo(k)fluoranthene          | ND      |           | 210  | 27  | ug/Kg | ✱ | 06/30/21 07:50 | 07/07/21 00:55 | 1       |
| Bis(2-chloroethoxy)methane    | ND      |           | 210  | 45  | ug/Kg | ✱ | 06/30/21 07:50 | 07/07/21 00:55 | 1       |
| Bis(2-chloroethyl)ether       | ND      |           | 210  | 27  | ug/Kg | ✱ | 06/30/21 07:50 | 07/07/21 00:55 | 1       |
| Bis(2-ethylhexyl) phthalate   | 120 J   |           | 210  | 72  | ug/Kg | ✱ | 06/30/21 07:50 | 07/07/21 00:55 | 1       |
| Butyl benzyl phthalate        | 53 J    |           | 210  | 35  | ug/Kg | ✱ | 06/30/21 07:50 | 07/07/21 00:55 | 1       |
| Caprolactam                   | ND      |           | 210  | 63  | ug/Kg | ✱ | 06/30/21 07:50 | 07/07/21 00:55 | 1       |
| Carbazole                     | ND      |           | 210  | 25  | ug/Kg | ✱ | 06/30/21 07:50 | 07/07/21 00:55 | 1       |
| Chrysene                      | ND      |           | 210  | 47  | ug/Kg | ✱ | 06/30/21 07:50 | 07/07/21 00:55 | 1       |
| Di-n-butyl phthalate          | 150 J B |           | 210  | 36  | ug/Kg | ✱ | 06/30/21 07:50 | 07/07/21 00:55 | 1       |
| Di-n-octyl phthalate          | ND      |           | 210  | 25  | ug/Kg | ✱ | 06/30/21 07:50 | 07/07/21 00:55 | 1       |
| Dibenz(a,h)anthracene         | ND      |           | 210  | 37  | ug/Kg | ✱ | 06/30/21 07:50 | 07/07/21 00:55 | 1       |
| Dibenzofuran                  | ND      |           | 210  | 25  | ug/Kg | ✱ | 06/30/21 07:50 | 07/07/21 00:55 | 1       |
| Diethyl phthalate             | ND      |           | 210  | 27  | ug/Kg | ✱ | 06/30/21 07:50 | 07/07/21 00:55 | 1       |
| Dimethyl phthalate            | ND      |           | 210  | 25  | ug/Kg | ✱ | 06/30/21 07:50 | 07/07/21 00:55 | 1       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186368-1

Client Sample ID: SS-07-0212

Lab Sample ID: 480-186368-10

Date Collected: 06/22/21 09:25

Matrix: Solid

Date Received: 06/22/21 12:15

Percent Solids: 79.8

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

| Analyte                   | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------------|--------|-----------|------|------|-------|---|----------------|----------------|---------|
| Fluoranthene              | 53     | J         | 210  | 22   | ug/Kg | ☆ | 06/30/21 07:50 | 07/07/21 00:55 | 1       |
| Fluorene                  | ND     |           | 210  | 25   | ug/Kg | ☆ | 06/30/21 07:50 | 07/07/21 00:55 | 1       |
| Hexachlorobenzene         | ND     |           | 210  | 29   | ug/Kg | ☆ | 06/30/21 07:50 | 07/07/21 00:55 | 1       |
| Hexachlorobutadiene       | ND     |           | 210  | 31   | ug/Kg | ☆ | 06/30/21 07:50 | 07/07/21 00:55 | 1       |
| Hexachlorocyclopentadiene | ND     |           | 210  | 29   | ug/Kg | ☆ | 06/30/21 07:50 | 07/07/21 00:55 | 1       |
| Hexachloroethane          | ND     |           | 210  | 27   | ug/Kg | ☆ | 06/30/21 07:50 | 07/07/21 00:55 | 1       |
| Indeno(1,2,3-cd)pyrene    | 26     | J         | 210  | 26   | ug/Kg | ☆ | 06/30/21 07:50 | 07/07/21 00:55 | 1       |
| Isophorone                | ND     |           | 210  | 45   | ug/Kg | ☆ | 06/30/21 07:50 | 07/07/21 00:55 | 1       |
| N-Nitrosodi-n-propylamine | ND     |           | 210  | 36   | ug/Kg | ☆ | 06/30/21 07:50 | 07/07/21 00:55 | 1       |
| N-Nitrosodiphenylamine    | ND     |           | 210  | 170  | ug/Kg | ☆ | 06/30/21 07:50 | 07/07/21 00:55 | 1       |
| Naphthalene               | ND     |           | 210  | 27   | ug/Kg | ☆ | 06/30/21 07:50 | 07/07/21 00:55 | 1       |
| Nitrobenzene              | ND     |           | 210  | 24   | ug/Kg | ☆ | 06/30/21 07:50 | 07/07/21 00:55 | 1       |
| Pentachlorophenol         | ND     |           | 410  | 210  | ug/Kg | ☆ | 06/30/21 07:50 | 07/07/21 00:55 | 1       |
| Phenanthrene              | ND     |           | 210  | 31   | ug/Kg | ☆ | 06/30/21 07:50 | 07/07/21 00:55 | 1       |
| Phenol                    | ND     |           | 210  | 32   | ug/Kg | ☆ | 06/30/21 07:50 | 07/07/21 00:55 | 1       |
| Pyrene                    | 42     | J         | 210  | 25   | ug/Kg | ☆ | 06/30/21 07:50 | 07/07/21 00:55 | 1       |
| Benzoic acid              | ND     | *+        | 6000 | 1900 | ug/Kg | ☆ | 06/30/21 07:50 | 07/07/21 00:55 | 1       |

| Surrogate            | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 2,4,6-Tribromophenol | 101       |           | 54 - 120 | 06/30/21 07:50 | 07/07/21 00:55 | 1       |
| 2-Fluorobiphenyl     | 84        |           | 60 - 120 | 06/30/21 07:50 | 07/07/21 00:55 | 1       |
| 2-Fluorophenol       | 76        |           | 52 - 120 | 06/30/21 07:50 | 07/07/21 00:55 | 1       |
| Nitrobenzene-d5      | 81        |           | 53 - 120 | 06/30/21 07:50 | 07/07/21 00:55 | 1       |
| p-Terphenyl-d14      | 100       |           | 79 - 130 | 06/30/21 07:50 | 07/07/21 00:55 | 1       |
| Phenol-d5            | 81        |           | 54 - 120 | 06/30/21 07:50 | 07/07/21 00:55 | 1       |

## Method: 8081B - Organochlorine Pesticides (GC)

| Analyte             | Result | Qualifier | RL  | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|--------|-----------|-----|------|-------|---|----------------|----------------|---------|
| 4,4'-DDD            | 1.7    | J         | 2.1 | 0.41 | ug/Kg | ☆ | 06/29/21 07:46 | 06/30/21 15:01 | 1       |
| 4,4'-DDE            | 7.8    |           | 2.1 | 0.44 | ug/Kg | ☆ | 06/29/21 07:46 | 06/30/21 15:01 | 1       |
| 4,4'-DDT            | 26     |           | 2.1 | 0.49 | ug/Kg | ☆ | 06/29/21 07:46 | 06/30/21 15:01 | 1       |
| Aldrin              | ND     |           | 2.1 | 0.51 | ug/Kg | ☆ | 06/29/21 07:46 | 06/30/21 15:01 | 1       |
| alpha-BHC           | ND     |           | 2.1 | 0.38 | ug/Kg | ☆ | 06/29/21 07:46 | 06/30/21 15:01 | 1       |
| cis-Chlordane       | ND     |           | 2.1 | 1.0  | ug/Kg | ☆ | 06/29/21 07:46 | 06/30/21 15:01 | 1       |
| beta-BHC            | 2.4    |           | 2.1 | 0.38 | ug/Kg | ☆ | 06/29/21 07:46 | 06/30/21 15:01 | 1       |
| delta-BHC           | ND     |           | 2.1 | 0.39 | ug/Kg | ☆ | 06/29/21 07:46 | 06/30/21 15:01 | 1       |
| Dieldrin            | ND     |           | 2.1 | 0.50 | ug/Kg | ☆ | 06/29/21 07:46 | 06/30/21 15:01 | 1       |
| Endosulfan I        | ND     |           | 2.1 | 0.40 | ug/Kg | ☆ | 06/29/21 07:46 | 06/30/21 15:01 | 1       |
| Endosulfan II       | ND     |           | 2.1 | 0.38 | ug/Kg | ☆ | 06/29/21 07:46 | 06/30/21 15:01 | 1       |
| Endosulfan sulfate  | ND     |           | 2.1 | 0.39 | ug/Kg | ☆ | 06/29/21 07:46 | 06/30/21 15:01 | 1       |
| Endrin              | ND     |           | 2.1 | 0.41 | ug/Kg | ☆ | 06/29/21 07:46 | 06/30/21 15:01 | 1       |
| Endrin aldehyde     | 20     |           | 2.1 | 0.53 | ug/Kg | ☆ | 06/29/21 07:46 | 06/30/21 15:01 | 1       |
| Endrin ketone       | ND     |           | 2.1 | 0.51 | ug/Kg | ☆ | 06/29/21 07:46 | 06/30/21 15:01 | 1       |
| gamma-BHC (Lindane) | ND     |           | 2.1 | 0.38 | ug/Kg | ☆ | 06/29/21 07:46 | 06/30/21 15:01 | 1       |
| trans-Chlordane     | ND     |           | 2.1 | 0.66 | ug/Kg | ☆ | 06/29/21 07:46 | 06/30/21 15:01 | 1       |
| Heptachlor          | ND     |           | 2.1 | 0.45 | ug/Kg | ☆ | 06/29/21 07:46 | 06/30/21 15:01 | 1       |
| Heptachlor epoxide  | ND     |           | 2.1 | 0.54 | ug/Kg | ☆ | 06/29/21 07:46 | 06/30/21 15:01 | 1       |
| Methoxychlor        | ND     |           | 2.1 | 0.43 | ug/Kg | ☆ | 06/29/21 07:46 | 06/30/21 15:01 | 1       |
| Toxaphene           | ND     |           | 2.1 | 12   | ug/Kg | ☆ | 06/29/21 07:46 | 06/30/21 15:01 | 1       |
| Mirex               | ND     |           | 2.1 | 0.51 | ug/Kg | ☆ | 06/29/21 07:46 | 06/30/21 15:01 | 1       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186368-1

Client Sample ID: SS-07-0212

Lab Sample ID: 480-186368-10

Date Collected: 06/22/21 09:25

Matrix: Solid

Date Received: 06/22/21 12:15

Percent Solids: 79.8

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| DCB Decachlorobiphenyl | 81        |           | 45 - 120 | 06/29/21 07:46 | 06/30/21 15:01 | 1       |
| DCB Decachlorobiphenyl | 80        |           | 45 - 120 | 06/29/21 07:46 | 06/30/21 15:01 | 1       |
| Tetrachloro-m-xylene   | 91        |           | 30 - 124 | 06/29/21 07:46 | 06/30/21 15:01 | 1       |
| Tetrachloro-m-xylene   | 66        |           | 30 - 124 | 06/29/21 07:46 | 06/30/21 15:01 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| PCB-1016 | ND     |           | 0.30 | 0.058 | mg/Kg | ☆ | 07/01/21 15:01 | 07/06/21 00:11 | 1       |
| PCB-1221 | ND     |           | 0.30 | 0.058 | mg/Kg | ☆ | 07/01/21 15:01 | 07/06/21 00:11 | 1       |
| PCB-1232 | ND     |           | 0.30 | 0.058 | mg/Kg | ☆ | 07/01/21 15:01 | 07/06/21 00:11 | 1       |
| PCB-1242 | ND     |           | 0.30 | 0.058 | mg/Kg | ☆ | 07/01/21 15:01 | 07/06/21 00:11 | 1       |
| PCB-1248 | ND     |           | 0.30 | 0.058 | mg/Kg | ☆ | 07/01/21 15:01 | 07/06/21 00:11 | 1       |
| PCB-1254 | ND     |           | 0.30 | 0.14  | mg/Kg | ☆ | 07/01/21 15:01 | 07/06/21 00:11 | 1       |
| PCB-1260 | ND     |           | 0.30 | 0.14  | mg/Kg | ☆ | 07/01/21 15:01 | 07/06/21 00:11 | 1       |
| PCB-1262 | ND     |           | 0.30 | 0.14  | mg/Kg | ☆ | 07/01/21 15:01 | 07/06/21 00:11 | 1       |
| PCB-1268 | ND     |           | 0.30 | 0.14  | mg/Kg | ☆ | 07/01/21 15:01 | 07/06/21 00:11 | 1       |

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| Tetrachloro-m-xylene   | 129       |           | 60 - 154 | 07/01/21 15:01 | 07/06/21 00:11 | 1       |
| Tetrachloro-m-xylene   | 140       |           | 60 - 154 | 07/01/21 15:01 | 07/06/21 00:11 | 1       |
| DCB Decachlorobiphenyl | 135       |           | 65 - 174 | 07/01/21 15:01 | 07/06/21 00:11 | 1       |
| DCB Decachlorobiphenyl | 129       |           | 65 - 174 | 07/01/21 15:01 | 07/06/21 00:11 | 1       |

## Method: 6010C - Metals (ICP)

| Analyte   | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| Aluminum  | 15100  |           | 12.7 | 5.6   | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 19:23 | 1       |
| Antimony  | ND     |           | 19.1 | 0.51  | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 19:23 | 1       |
| Arsenic   | 4.5    |           | 2.5  | 0.51  | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 19:23 | 1       |
| Barium    | 90.6   | ^6+       | 0.64 | 0.14  | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 19:23 | 1       |
| Beryllium | 0.66   |           | 0.25 | 0.036 | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 19:23 | 1       |
| Cadmium   | 0.60   |           | 0.25 | 0.038 | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 19:23 | 1       |
| Calcium   | 36300  | B         | 63.7 | 4.2   | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 19:23 | 1       |
| Chromium  | 21.1   |           | 0.64 | 0.25  | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 19:23 | 1       |
| Cobalt    | 9.2    |           | 0.64 | 0.064 | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 19:23 | 1       |
| Copper    | 21.6   |           | 1.3  | 0.27  | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 19:23 | 1       |
| Iron      | 20300  | ^+        | 12.7 | 4.5   | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 19:23 | 1       |
| Lead      | 36.5   | B         | 1.3  | 0.31  | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 19:23 | 1       |
| Magnesium | 12200  |           | 25.5 | 1.2   | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 19:23 | 1       |
| Manganese | 409    | B         | 0.25 | 0.041 | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 19:23 | 1       |
| Nickel    | 23.6   |           | 6.4  | 0.29  | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 19:23 | 1       |
| Potassium | 3500   |           | 38.2 | 25.5  | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 19:23 | 1       |
| Selenium  | 1.3    | J         | 5.1  | 0.51  | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 19:23 | 1       |
| Silver    | 9.2    |           | 0.76 | 0.25  | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 19:23 | 1       |
| Sodium    | 202    |           | 178  | 16.6  | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 19:23 | 1       |
| Thallium  | ND     |           | 7.6  | 0.38  | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 19:23 | 1       |
| Vanadium  | 30.2   |           | 0.64 | 0.14  | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 19:23 | 1       |
| Zinc      | 110    |           | 2.5  | 0.82  | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 19:23 | 1       |

## Method: 7471B - Mercury (CVAA)

| Analyte | Result | Qualifier | RL    | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------|--------|-----------|-------|-------|-------|---|----------------|----------------|---------|
| Mercury | 0.090  |           | 0.075 | 0.017 | mg/Kg | ☆ | 07/01/21 13:35 | 07/01/21 16:03 | 1       |

Eurofins TestAmerica, Buffalo

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186368-1

Client Sample ID: SS-08-0002

Lab Sample ID: 480-186368-11

Date Collected: 06/22/21 09:00

Matrix: Solid

Date Received: 06/22/21 12:15

Percent Solids: 60.3

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

| Analyte                       | Result  | Qualifier | RL   | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|---------|-----------|------|------|-------|---|----------------|----------------|---------|
| Biphenyl                      | ND      |           | 280  | 41   | ug/Kg | ✱ | 06/30/21 07:50 | 07/07/21 01:19 | 1       |
| bis (2-chloroisopropyl) ether | ND      |           | 280  | 55   | ug/Kg | ✱ | 06/30/21 07:50 | 07/07/21 01:19 | 1       |
| 2,4,5-Trichlorophenol         | ND      |           | 280  | 75   | ug/Kg | ✱ | 06/30/21 07:50 | 07/07/21 01:19 | 1       |
| 2,4,6-Trichlorophenol         | ND      |           | 280  | 55   | ug/Kg | ✱ | 06/30/21 07:50 | 07/07/21 01:19 | 1       |
| 2,4-Dichlorophenol            | ND      |           | 280  | 29   | ug/Kg | ✱ | 06/30/21 07:50 | 07/07/21 01:19 | 1       |
| 2,4-Dimethylphenol            | ND      |           | 280  | 67   | ug/Kg | ✱ | 06/30/21 07:50 | 07/07/21 01:19 | 1       |
| 2,4-Dinitrophenol             | ND      |           | 2700 | 1300 | ug/Kg | ✱ | 06/30/21 07:50 | 07/07/21 01:19 | 1       |
| 2,4-Dinitrotoluene            | ND      |           | 280  | 57   | ug/Kg | ✱ | 06/30/21 07:50 | 07/07/21 01:19 | 1       |
| 2,6-Dinitrotoluene            | ND      |           | 280  | 33   | ug/Kg | ✱ | 06/30/21 07:50 | 07/07/21 01:19 | 1       |
| 2-Chloronaphthalene           | ND      |           | 280  | 46   | ug/Kg | ✱ | 06/30/21 07:50 | 07/07/21 01:19 | 1       |
| 2-Chlorophenol                | ND      |           | 540  | 50   | ug/Kg | ✱ | 06/30/21 07:50 | 07/07/21 01:19 | 1       |
| 2-Methylnaphthalene           | ND      |           | 280  | 55   | ug/Kg | ✱ | 06/30/21 07:50 | 07/07/21 01:19 | 1       |
| 2-Methylphenol                | ND      |           | 280  | 33   | ug/Kg | ✱ | 06/30/21 07:50 | 07/07/21 01:19 | 1       |
| 2-Nitroaniline                | ND      |           | 540  | 41   | ug/Kg | ✱ | 06/30/21 07:50 | 07/07/21 01:19 | 1       |
| 2-Nitrophenol                 | ND      |           | 280  | 78   | ug/Kg | ✱ | 06/30/21 07:50 | 07/07/21 01:19 | 1       |
| 3,3'-Dichlorobenzidine        | ND      |           | 540  | 330  | ug/Kg | ✱ | 06/30/21 07:50 | 07/07/21 01:19 | 1       |
| 3-Nitroaniline                | ND      |           | 540  | 76   | ug/Kg | ✱ | 06/30/21 07:50 | 07/07/21 01:19 | 1       |
| 4,6-Dinitro-2-methylphenol    | ND      |           | 540  | 280  | ug/Kg | ✱ | 06/30/21 07:50 | 07/07/21 01:19 | 1       |
| 4-Bromophenyl phenyl ether    | ND      |           | 280  | 39   | ug/Kg | ✱ | 06/30/21 07:50 | 07/07/21 01:19 | 1       |
| 4-Chloro-3-methylphenol       | ND      |           | 280  | 68   | ug/Kg | ✱ | 06/30/21 07:50 | 07/07/21 01:19 | 1       |
| 4-Chloroaniline               | ND      |           | 280  | 68   | ug/Kg | ✱ | 06/30/21 07:50 | 07/07/21 01:19 | 1       |
| 4-Chlorophenyl phenyl ether   | ND      |           | 280  | 34   | ug/Kg | ✱ | 06/30/21 07:50 | 07/07/21 01:19 | 1       |
| 4-Methylphenol                | ND      |           | 540  | 33   | ug/Kg | ✱ | 06/30/21 07:50 | 07/07/21 01:19 | 1       |
| 4-Nitroaniline                | ND      |           | 540  | 140  | ug/Kg | ✱ | 06/30/21 07:50 | 07/07/21 01:19 | 1       |
| 4-Nitrophenol                 | ND      |           | 540  | 190  | ug/Kg | ✱ | 06/30/21 07:50 | 07/07/21 01:19 | 1       |
| Acenaphthene                  | ND      |           | 280  | 41   | ug/Kg | ✱ | 06/30/21 07:50 | 07/07/21 01:19 | 1       |
| Acenaphthylene                | ND      |           | 280  | 36   | ug/Kg | ✱ | 06/30/21 07:50 | 07/07/21 01:19 | 1       |
| Acetophenone                  | ND      |           | 280  | 37   | ug/Kg | ✱ | 06/30/21 07:50 | 07/07/21 01:19 | 1       |
| Anthracene                    | ND      |           | 280  | 68   | ug/Kg | ✱ | 06/30/21 07:50 | 07/07/21 01:19 | 1       |
| Atrazine                      | ND      |           | 280  | 96   | ug/Kg | ✱ | 06/30/21 07:50 | 07/07/21 01:19 | 1       |
| Benzaldehyde                  | ND      |           | 280  | 220  | ug/Kg | ✱ | 06/30/21 07:50 | 07/07/21 01:19 | 1       |
| Benzo(a)anthracene            | ND      |           | 280  | 28   | ug/Kg | ✱ | 06/30/21 07:50 | 07/07/21 01:19 | 1       |
| Benzo(a)pyrene                | ND      |           | 280  | 41   | ug/Kg | ✱ | 06/30/21 07:50 | 07/07/21 01:19 | 1       |
| Benzo(b)fluoranthene          | ND      |           | 280  | 44   | ug/Kg | ✱ | 06/30/21 07:50 | 07/07/21 01:19 | 1       |
| Benzo(g,h,i)perylene          | 39 J    |           | 280  | 29   | ug/Kg | ✱ | 06/30/21 07:50 | 07/07/21 01:19 | 1       |
| Benzo(k)fluoranthene          | ND      |           | 280  | 36   | ug/Kg | ✱ | 06/30/21 07:50 | 07/07/21 01:19 | 1       |
| Bis(2-chloroethoxy)methane    | ND      |           | 280  | 59   | ug/Kg | ✱ | 06/30/21 07:50 | 07/07/21 01:19 | 1       |
| Bis(2-chloroethyl)ether       | ND      |           | 280  | 36   | ug/Kg | ✱ | 06/30/21 07:50 | 07/07/21 01:19 | 1       |
| Bis(2-ethylhexyl) phthalate   | ND      |           | 280  | 94   | ug/Kg | ✱ | 06/30/21 07:50 | 07/07/21 01:19 | 1       |
| Butyl benzyl phthalate        | ND      |           | 280  | 46   | ug/Kg | ✱ | 06/30/21 07:50 | 07/07/21 01:19 | 1       |
| Caprolactam                   | ND      |           | 280  | 83   | ug/Kg | ✱ | 06/30/21 07:50 | 07/07/21 01:19 | 1       |
| Carbazole                     | ND      |           | 280  | 33   | ug/Kg | ✱ | 06/30/21 07:50 | 07/07/21 01:19 | 1       |
| Chrysene                      | ND      |           | 280  | 62   | ug/Kg | ✱ | 06/30/21 07:50 | 07/07/21 01:19 | 1       |
| Di-n-butyl phthalate          | 260 J B |           | 280  | 47   | ug/Kg | ✱ | 06/30/21 07:50 | 07/07/21 01:19 | 1       |
| Di-n-octyl phthalate          | ND      |           | 280  | 33   | ug/Kg | ✱ | 06/30/21 07:50 | 07/07/21 01:19 | 1       |
| Dibenz(a,h)anthracene         | ND      |           | 280  | 49   | ug/Kg | ✱ | 06/30/21 07:50 | 07/07/21 01:19 | 1       |
| Dibenzofuran                  | ND      |           | 280  | 33   | ug/Kg | ✱ | 06/30/21 07:50 | 07/07/21 01:19 | 1       |
| Diethyl phthalate             | ND      |           | 280  | 36   | ug/Kg | ✱ | 06/30/21 07:50 | 07/07/21 01:19 | 1       |
| Dimethyl phthalate            | ND      |           | 280  | 33   | ug/Kg | ✱ | 06/30/21 07:50 | 07/07/21 01:19 | 1       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186368-1

Client Sample ID: SS-08-0002

Lab Sample ID: 480-186368-11

Date Collected: 06/22/21 09:00

Matrix: Solid

Date Received: 06/22/21 12:15

Percent Solids: 60.3

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

| Analyte                   | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------------|--------|-----------|------|------|-------|---|----------------|----------------|---------|
| Fluoranthene              | 61     | J         | 280  | 29   | ug/Kg | ☆ | 06/30/21 07:50 | 07/07/21 01:19 | 1       |
| Fluorene                  | ND     |           | 280  | 33   | ug/Kg | ☆ | 06/30/21 07:50 | 07/07/21 01:19 | 1       |
| Hexachlorobenzene         | ND     |           | 280  | 37   | ug/Kg | ☆ | 06/30/21 07:50 | 07/07/21 01:19 | 1       |
| Hexachlorobutadiene       | ND     |           | 280  | 41   | ug/Kg | ☆ | 06/30/21 07:50 | 07/07/21 01:19 | 1       |
| Hexachlorocyclopentadiene | ND     |           | 280  | 37   | ug/Kg | ☆ | 06/30/21 07:50 | 07/07/21 01:19 | 1       |
| Hexachloroethane          | ND     |           | 280  | 36   | ug/Kg | ☆ | 06/30/21 07:50 | 07/07/21 01:19 | 1       |
| Indeno(1,2,3-cd)pyrene    | 34     | J         | 280  | 34   | ug/Kg | ☆ | 06/30/21 07:50 | 07/07/21 01:19 | 1       |
| Isophorone                | ND     |           | 280  | 59   | ug/Kg | ☆ | 06/30/21 07:50 | 07/07/21 01:19 | 1       |
| N-Nitrosodi-n-propylamine | ND     |           | 280  | 47   | ug/Kg | ☆ | 06/30/21 07:50 | 07/07/21 01:19 | 1       |
| N-Nitrosodiphenylamine    | ND     |           | 280  | 220  | ug/Kg | ☆ | 06/30/21 07:50 | 07/07/21 01:19 | 1       |
| Naphthalene               | ND     |           | 280  | 36   | ug/Kg | ☆ | 06/30/21 07:50 | 07/07/21 01:19 | 1       |
| Nitrobenzene              | ND     |           | 280  | 31   | ug/Kg | ☆ | 06/30/21 07:50 | 07/07/21 01:19 | 1       |
| Pentachlorophenol         | ND     |           | 540  | 280  | ug/Kg | ☆ | 06/30/21 07:50 | 07/07/21 01:19 | 1       |
| Phenanthrene              | ND     |           | 280  | 41   | ug/Kg | ☆ | 06/30/21 07:50 | 07/07/21 01:19 | 1       |
| Phenol                    | ND     |           | 280  | 42   | ug/Kg | ☆ | 06/30/21 07:50 | 07/07/21 01:19 | 1       |
| Pyrene                    | 46     | J         | 280  | 33   | ug/Kg | ☆ | 06/30/21 07:50 | 07/07/21 01:19 | 1       |
| Benzoic acid              | ND     | *+        | 7800 | 2400 | ug/Kg | ☆ | 06/30/21 07:50 | 07/07/21 01:19 | 1       |

| Surrogate            | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 2,4,6-Tribromophenol | 87        |           | 54 - 120 | 06/30/21 07:50 | 07/07/21 01:19 | 1       |
| 2-Fluorobiphenyl     | 78        |           | 60 - 120 | 06/30/21 07:50 | 07/07/21 01:19 | 1       |
| 2-Fluorophenol       | 71        |           | 52 - 120 | 06/30/21 07:50 | 07/07/21 01:19 | 1       |
| Nitrobenzene-d5      | 75        |           | 53 - 120 | 06/30/21 07:50 | 07/07/21 01:19 | 1       |
| p-Terphenyl-d14      | 82        |           | 79 - 130 | 06/30/21 07:50 | 07/07/21 01:19 | 1       |
| Phenol-d5            | 71        |           | 54 - 120 | 06/30/21 07:50 | 07/07/21 01:19 | 1       |

## Method: 8081B - Organochlorine Pesticides (GC)

| Analyte             | Result | Qualifier | RL  | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|--------|-----------|-----|------|-------|---|----------------|----------------|---------|
| 4,4'-DDD            | ND     |           | 2.7 | 0.53 | ug/Kg | ☆ | 06/29/21 07:46 | 06/30/21 15:21 | 1       |
| 4,4'-DDE            | 4.1    |           | 2.7 | 0.57 | ug/Kg | ☆ | 06/29/21 07:46 | 06/30/21 15:21 | 1       |
| 4,4'-DDT            | 3.8    |           | 2.7 | 0.64 | ug/Kg | ☆ | 06/29/21 07:46 | 06/30/21 15:21 | 1       |
| Aldrin              | ND     |           | 2.7 | 0.67 | ug/Kg | ☆ | 06/29/21 07:46 | 06/30/21 15:21 | 1       |
| alpha-BHC           | 0.54   | J         | 2.7 | 0.49 | ug/Kg | ☆ | 06/29/21 07:46 | 06/30/21 15:21 | 1       |
| cis-Chlordane       | ND     |           | 2.7 | 1.4  | ug/Kg | ☆ | 06/29/21 07:46 | 06/30/21 15:21 | 1       |
| beta-BHC            | ND     |           | 2.7 | 0.49 | ug/Kg | ☆ | 06/29/21 07:46 | 06/30/21 15:21 | 1       |
| delta-BHC           | ND     |           | 2.7 | 0.51 | ug/Kg | ☆ | 06/29/21 07:46 | 06/30/21 15:21 | 1       |
| Dieldrin            | 1.2    | J         | 2.7 | 0.65 | ug/Kg | ☆ | 06/29/21 07:46 | 06/30/21 15:21 | 1       |
| Endosulfan I        | ND     |           | 2.7 | 0.52 | ug/Kg | ☆ | 06/29/21 07:46 | 06/30/21 15:21 | 1       |
| Endosulfan II       | ND     |           | 2.7 | 0.49 | ug/Kg | ☆ | 06/29/21 07:46 | 06/30/21 15:21 | 1       |
| Endosulfan sulfate  | ND     |           | 2.7 | 0.51 | ug/Kg | ☆ | 06/29/21 07:46 | 06/30/21 15:21 | 1       |
| Endrin              | ND     |           | 2.7 | 0.54 | ug/Kg | ☆ | 06/29/21 07:46 | 06/30/21 15:21 | 1       |
| Endrin aldehyde     | 0.79   | J         | 2.7 | 0.70 | ug/Kg | ☆ | 06/29/21 07:46 | 06/30/21 15:21 | 1       |
| Endrin ketone       | ND     |           | 2.7 | 0.67 | ug/Kg | ☆ | 06/29/21 07:46 | 06/30/21 15:21 | 1       |
| gamma-BHC (Lindane) | ND     |           | 2.7 | 0.50 | ug/Kg | ☆ | 06/29/21 07:46 | 06/30/21 15:21 | 1       |
| trans-Chlordane     | ND     |           | 2.7 | 0.87 | ug/Kg | ☆ | 06/29/21 07:46 | 06/30/21 15:21 | 1       |
| Heptachlor          | ND     |           | 2.7 | 0.59 | ug/Kg | ☆ | 06/29/21 07:46 | 06/30/21 15:21 | 1       |
| Heptachlor epoxide  | ND     |           | 2.7 | 0.70 | ug/Kg | ☆ | 06/29/21 07:46 | 06/30/21 15:21 | 1       |
| Methoxychlor        | 1.4    | J         | 2.7 | 0.56 | ug/Kg | ☆ | 06/29/21 07:46 | 06/30/21 15:21 | 1       |
| Toxaphene           | ND     |           | 27  | 16   | ug/Kg | ☆ | 06/29/21 07:46 | 06/30/21 15:21 | 1       |
| Mirex               | ND     |           | 2.7 | 0.67 | ug/Kg | ☆ | 06/29/21 07:46 | 06/30/21 15:21 | 1       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186368-1

Client Sample ID: SS-08-0002

Lab Sample ID: 480-186368-11

Date Collected: 06/22/21 09:00

Matrix: Solid

Date Received: 06/22/21 12:15

Percent Solids: 60.3

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| DCB Decachlorobiphenyl | 73        |           | 45 - 120 | 06/29/21 07:46 | 06/30/21 15:21 | 1       |
| DCB Decachlorobiphenyl | 91        |           | 45 - 120 | 06/29/21 07:46 | 06/30/21 15:21 | 1       |
| Tetrachloro-m-xylene   | 80        |           | 30 - 124 | 06/29/21 07:46 | 06/30/21 15:21 | 1       |
| Tetrachloro-m-xylene   | 75        |           | 30 - 124 | 06/29/21 07:46 | 06/30/21 15:21 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| PCB-1016 | ND     |           | 0.36 | 0.070 | mg/Kg | ☆ | 07/01/21 15:01 | 07/06/21 00:24 | 1       |
| PCB-1221 | ND     |           | 0.36 | 0.070 | mg/Kg | ☆ | 07/01/21 15:01 | 07/06/21 00:24 | 1       |
| PCB-1232 | ND     |           | 0.36 | 0.070 | mg/Kg | ☆ | 07/01/21 15:01 | 07/06/21 00:24 | 1       |
| PCB-1242 | ND     |           | 0.36 | 0.070 | mg/Kg | ☆ | 07/01/21 15:01 | 07/06/21 00:24 | 1       |
| PCB-1248 | ND     |           | 0.36 | 0.070 | mg/Kg | ☆ | 07/01/21 15:01 | 07/06/21 00:24 | 1       |
| PCB-1254 | ND     |           | 0.36 | 0.17  | mg/Kg | ☆ | 07/01/21 15:01 | 07/06/21 00:24 | 1       |
| PCB-1260 | ND     |           | 0.36 | 0.17  | mg/Kg | ☆ | 07/01/21 15:01 | 07/06/21 00:24 | 1       |
| PCB-1262 | ND     |           | 0.36 | 0.17  | mg/Kg | ☆ | 07/01/21 15:01 | 07/06/21 00:24 | 1       |
| PCB-1268 | ND     |           | 0.36 | 0.17  | mg/Kg | ☆ | 07/01/21 15:01 | 07/06/21 00:24 | 1       |

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| Tetrachloro-m-xylene   | 126       |           | 60 - 154 | 07/01/21 15:01 | 07/06/21 00:24 | 1       |
| Tetrachloro-m-xylene   | 128       |           | 60 - 154 | 07/01/21 15:01 | 07/06/21 00:24 | 1       |
| DCB Decachlorobiphenyl | 111       |           | 65 - 174 | 07/01/21 15:01 | 07/06/21 00:24 | 1       |
| DCB Decachlorobiphenyl | 104       |           | 65 - 174 | 07/01/21 15:01 | 07/06/21 00:24 | 1       |

## Method: 6010C - Metals (ICP)

| Analyte   | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| Aluminum  | 12000  |           | 17.3 | 7.6   | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 19:27 | 1       |
| Antimony  | ND     |           | 26.0 | 0.69  | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 19:27 | 1       |
| Arsenic   | 2.2    | J         | 3.5  | 0.69  | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 19:27 | 1       |
| Barium    | 71.0   | ^6+       | 0.87 | 0.19  | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 19:27 | 1       |
| Beryllium | 0.57   |           | 0.35 | 0.048 | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 19:27 | 1       |
| Cadmium   | 0.86   |           | 0.35 | 0.052 | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 19:27 | 1       |
| Calcium   | 25900  | B         | 86.6 | 5.7   | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 19:27 | 1       |
| Chromium  | 17.6   |           | 0.87 | 0.35  | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 19:27 | 1       |
| Cobalt    | 7.2    |           | 0.87 | 0.087 | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 19:27 | 1       |
| Copper    | 20.3   |           | 1.7  | 0.36  | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 19:27 | 1       |
| Iron      | 16300  | ^+        | 17.3 | 6.1   | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 19:27 | 1       |
| Lead      | 29.4   | B         | 1.7  | 0.42  | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 19:27 | 1       |
| Magnesium | 11500  |           | 34.6 | 1.6   | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 19:27 | 1       |
| Manganese | 270    | B         | 0.35 | 0.055 | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 19:27 | 1       |
| Nickel    | 19.8   |           | 8.7  | 0.40  | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 19:27 | 1       |
| Potassium | 3270   |           | 51.9 | 34.6  | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 19:27 | 1       |
| Selenium  | 1.0    | J         | 6.9  | 0.69  | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 19:27 | 1       |
| Silver    | 0.39   | J         | 1.0  | 0.35  | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 19:27 | 1       |
| Sodium    | 231    | J         | 242  | 22.5  | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 19:27 | 1       |
| Thallium  | ND     |           | 10.4 | 0.52  | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 19:27 | 1       |
| Vanadium  | 25.1   |           | 0.87 | 0.19  | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 19:27 | 1       |
| Zinc      | 125    |           | 3.5  | 1.1   | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 19:27 | 1       |

## Method: 7471B - Mercury (CVAA)

| Analyte | Result | Qualifier | RL    | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------|--------|-----------|-------|-------|-------|---|----------------|----------------|---------|
| Mercury | 0.086  |           | 0.086 | 0.020 | mg/Kg | ☆ | 07/01/21 13:35 | 07/01/21 16:04 | 1       |

Eurofins TestAmerica, Buffalo

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186368-1

Client Sample ID: SS-08-0212

Lab Sample ID: 480-186368-12

Date Collected: 06/22/21 09:05

Matrix: Solid

Date Received: 06/22/21 12:15

Percent Solids: 81.4

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

| Analyte                       | Result  | Qualifier | RL   | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|---------|-----------|------|-----|-------|---|----------------|----------------|---------|
| Biphenyl                      | ND      |           | 200  | 30  | ug/Kg | ✱ | 06/30/21 07:50 | 07/07/21 01:43 | 1       |
| bis (2-chloroisopropyl) ether | ND      |           | 200  | 41  | ug/Kg | ✱ | 06/30/21 07:50 | 07/07/21 01:43 | 1       |
| 2,4,5-Trichlorophenol         | ND      |           | 200  | 55  | ug/Kg | ✱ | 06/30/21 07:50 | 07/07/21 01:43 | 1       |
| 2,4,6-Trichlorophenol         | ND      |           | 200  | 41  | ug/Kg | ✱ | 06/30/21 07:50 | 07/07/21 01:43 | 1       |
| 2,4-Dichlorophenol            | ND      |           | 200  | 22  | ug/Kg | ✱ | 06/30/21 07:50 | 07/07/21 01:43 | 1       |
| 2,4-Dimethylphenol            | ND      |           | 200  | 49  | ug/Kg | ✱ | 06/30/21 07:50 | 07/07/21 01:43 | 1       |
| 2,4-Dinitrophenol             | ND      |           | 2000 | 940 | ug/Kg | ✱ | 06/30/21 07:50 | 07/07/21 01:43 | 1       |
| 2,4-Dinitrotoluene            | ND      |           | 200  | 42  | ug/Kg | ✱ | 06/30/21 07:50 | 07/07/21 01:43 | 1       |
| 2,6-Dinitrotoluene            | ND      |           | 200  | 24  | ug/Kg | ✱ | 06/30/21 07:50 | 07/07/21 01:43 | 1       |
| 2-Chloronaphthalene           | ND      |           | 200  | 34  | ug/Kg | ✱ | 06/30/21 07:50 | 07/07/21 01:43 | 1       |
| 2-Chlorophenol                | ND      |           | 400  | 37  | ug/Kg | ✱ | 06/30/21 07:50 | 07/07/21 01:43 | 1       |
| 2-Methylnaphthalene           | ND      |           | 200  | 41  | ug/Kg | ✱ | 06/30/21 07:50 | 07/07/21 01:43 | 1       |
| 2-Methylphenol                | ND      |           | 200  | 24  | ug/Kg | ✱ | 06/30/21 07:50 | 07/07/21 01:43 | 1       |
| 2-Nitroaniline                | ND      |           | 400  | 30  | ug/Kg | ✱ | 06/30/21 07:50 | 07/07/21 01:43 | 1       |
| 2-Nitrophenol                 | ND      |           | 200  | 58  | ug/Kg | ✱ | 06/30/21 07:50 | 07/07/21 01:43 | 1       |
| 3,3'-Dichlorobenzidine        | ND      |           | 400  | 240 | ug/Kg | ✱ | 06/30/21 07:50 | 07/07/21 01:43 | 1       |
| 3-Nitroaniline                | ND      |           | 400  | 57  | ug/Kg | ✱ | 06/30/21 07:50 | 07/07/21 01:43 | 1       |
| 4,6-Dinitro-2-methylphenol    | ND      |           | 400  | 200 | ug/Kg | ✱ | 06/30/21 07:50 | 07/07/21 01:43 | 1       |
| 4-Bromophenyl phenyl ether    | ND      |           | 200  | 29  | ug/Kg | ✱ | 06/30/21 07:50 | 07/07/21 01:43 | 1       |
| 4-Chloro-3-methylphenol       | ND      |           | 200  | 51  | ug/Kg | ✱ | 06/30/21 07:50 | 07/07/21 01:43 | 1       |
| 4-Chloroaniline               | ND      |           | 200  | 51  | ug/Kg | ✱ | 06/30/21 07:50 | 07/07/21 01:43 | 1       |
| 4-Chlorophenyl phenyl ether   | ND      |           | 200  | 25  | ug/Kg | ✱ | 06/30/21 07:50 | 07/07/21 01:43 | 1       |
| 4-Methylphenol                | ND      |           | 400  | 24  | ug/Kg | ✱ | 06/30/21 07:50 | 07/07/21 01:43 | 1       |
| 4-Nitroaniline                | ND      |           | 400  | 110 | ug/Kg | ✱ | 06/30/21 07:50 | 07/07/21 01:43 | 1       |
| 4-Nitrophenol                 | ND      |           | 400  | 140 | ug/Kg | ✱ | 06/30/21 07:50 | 07/07/21 01:43 | 1       |
| Acenaphthene                  | ND      |           | 200  | 30  | ug/Kg | ✱ | 06/30/21 07:50 | 07/07/21 01:43 | 1       |
| Acenaphthylene                | ND      |           | 200  | 26  | ug/Kg | ✱ | 06/30/21 07:50 | 07/07/21 01:43 | 1       |
| Acetophenone                  | ND      |           | 200  | 28  | ug/Kg | ✱ | 06/30/21 07:50 | 07/07/21 01:43 | 1       |
| Anthracene                    | ND      |           | 200  | 51  | ug/Kg | ✱ | 06/30/21 07:50 | 07/07/21 01:43 | 1       |
| Atrazine                      | ND      |           | 200  | 71  | ug/Kg | ✱ | 06/30/21 07:50 | 07/07/21 01:43 | 1       |
| Benzaldehyde                  | ND      |           | 200  | 160 | ug/Kg | ✱ | 06/30/21 07:50 | 07/07/21 01:43 | 1       |
| Benzo(a)anthracene            | ND      |           | 200  | 20  | ug/Kg | ✱ | 06/30/21 07:50 | 07/07/21 01:43 | 1       |
| Benzo(a)pyrene                | ND      |           | 200  | 30  | ug/Kg | ✱ | 06/30/21 07:50 | 07/07/21 01:43 | 1       |
| Benzo(b)fluoranthene          | ND      |           | 200  | 32  | ug/Kg | ✱ | 06/30/21 07:50 | 07/07/21 01:43 | 1       |
| Benzo(g,h,i)perylene          | 24 J    |           | 200  | 22  | ug/Kg | ✱ | 06/30/21 07:50 | 07/07/21 01:43 | 1       |
| Benzo(k)fluoranthene          | ND      |           | 200  | 26  | ug/Kg | ✱ | 06/30/21 07:50 | 07/07/21 01:43 | 1       |
| Bis(2-chloroethoxy)methane    | ND      |           | 200  | 43  | ug/Kg | ✱ | 06/30/21 07:50 | 07/07/21 01:43 | 1       |
| Bis(2-chloroethyl)ether       | ND      |           | 200  | 26  | ug/Kg | ✱ | 06/30/21 07:50 | 07/07/21 01:43 | 1       |
| Bis(2-ethylhexyl) phthalate   | ND      |           | 200  | 70  | ug/Kg | ✱ | 06/30/21 07:50 | 07/07/21 01:43 | 1       |
| Butyl benzyl phthalate        | ND      |           | 200  | 34  | ug/Kg | ✱ | 06/30/21 07:50 | 07/07/21 01:43 | 1       |
| Caprolactam                   | ND      |           | 200  | 61  | ug/Kg | ✱ | 06/30/21 07:50 | 07/07/21 01:43 | 1       |
| Carbazole                     | ND      |           | 200  | 24  | ug/Kg | ✱ | 06/30/21 07:50 | 07/07/21 01:43 | 1       |
| Chrysene                      | ND      |           | 200  | 46  | ug/Kg | ✱ | 06/30/21 07:50 | 07/07/21 01:43 | 1       |
| Di-n-butyl phthalate          | 130 J B |           | 200  | 35  | ug/Kg | ✱ | 06/30/21 07:50 | 07/07/21 01:43 | 1       |
| Di-n-octyl phthalate          | ND      |           | 200  | 24  | ug/Kg | ✱ | 06/30/21 07:50 | 07/07/21 01:43 | 1       |
| Dibenz(a,h)anthracene         | ND      |           | 200  | 36  | ug/Kg | ✱ | 06/30/21 07:50 | 07/07/21 01:43 | 1       |
| Dibenzofuran                  | ND      |           | 200  | 24  | ug/Kg | ✱ | 06/30/21 07:50 | 07/07/21 01:43 | 1       |
| Diethyl phthalate             | ND      |           | 200  | 26  | ug/Kg | ✱ | 06/30/21 07:50 | 07/07/21 01:43 | 1       |
| Dimethyl phthalate            | ND      |           | 200  | 24  | ug/Kg | ✱ | 06/30/21 07:50 | 07/07/21 01:43 | 1       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186368-1

Client Sample ID: SS-08-0212

Lab Sample ID: 480-186368-12

Date Collected: 06/22/21 09:05

Matrix: Solid

Date Received: 06/22/21 12:15

Percent Solids: 81.4

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

| Analyte                   | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------------|--------|-----------|------|------|-------|---|----------------|----------------|---------|
| Fluoranthene              | ND     |           | 200  | 22   | ug/Kg | ☆ | 06/30/21 07:50 | 07/07/21 01:43 | 1       |
| Fluorene                  | ND     |           | 200  | 24   | ug/Kg | ☆ | 06/30/21 07:50 | 07/07/21 01:43 | 1       |
| Hexachlorobenzene         | ND     |           | 200  | 28   | ug/Kg | ☆ | 06/30/21 07:50 | 07/07/21 01:43 | 1       |
| Hexachlorobutadiene       | ND     |           | 200  | 30   | ug/Kg | ☆ | 06/30/21 07:50 | 07/07/21 01:43 | 1       |
| Hexachlorocyclopentadiene | ND     |           | 200  | 28   | ug/Kg | ☆ | 06/30/21 07:50 | 07/07/21 01:43 | 1       |
| Hexachloroethane          | ND     |           | 200  | 26   | ug/Kg | ☆ | 06/30/21 07:50 | 07/07/21 01:43 | 1       |
| Indeno(1,2,3-cd)pyrene    | ND     |           | 200  | 25   | ug/Kg | ☆ | 06/30/21 07:50 | 07/07/21 01:43 | 1       |
| Isophorone                | ND     |           | 200  | 43   | ug/Kg | ☆ | 06/30/21 07:50 | 07/07/21 01:43 | 1       |
| N-Nitrosodi-n-propylamine | ND     |           | 200  | 35   | ug/Kg | ☆ | 06/30/21 07:50 | 07/07/21 01:43 | 1       |
| N-Nitrosodiphenylamine    | ND     |           | 200  | 170  | ug/Kg | ☆ | 06/30/21 07:50 | 07/07/21 01:43 | 1       |
| Naphthalene               | ND     |           | 200  | 26   | ug/Kg | ☆ | 06/30/21 07:50 | 07/07/21 01:43 | 1       |
| Nitrobenzene              | ND     |           | 200  | 23   | ug/Kg | ☆ | 06/30/21 07:50 | 07/07/21 01:43 | 1       |
| Pentachlorophenol         | ND     |           | 400  | 200  | ug/Kg | ☆ | 06/30/21 07:50 | 07/07/21 01:43 | 1       |
| Phenanthrene              | ND     |           | 200  | 30   | ug/Kg | ☆ | 06/30/21 07:50 | 07/07/21 01:43 | 1       |
| Phenol                    | ND     |           | 200  | 31   | ug/Kg | ☆ | 06/30/21 07:50 | 07/07/21 01:43 | 1       |
| Pyrene                    | ND     |           | 200  | 24   | ug/Kg | ☆ | 06/30/21 07:50 | 07/07/21 01:43 | 1       |
| Benzoic acid              | ND     | *+        | 5800 | 1800 | ug/Kg | ☆ | 06/30/21 07:50 | 07/07/21 01:43 | 1       |

| Surrogate            | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 2,4,6-Tribromophenol | 88        |           | 54 - 120 | 06/30/21 07:50 | 07/07/21 01:43 | 1       |
| 2-Fluorobiphenyl     | 77        |           | 60 - 120 | 06/30/21 07:50 | 07/07/21 01:43 | 1       |
| 2-Fluorophenol       | 68        |           | 52 - 120 | 06/30/21 07:50 | 07/07/21 01:43 | 1       |
| Nitrobenzene-d5      | 76        |           | 53 - 120 | 06/30/21 07:50 | 07/07/21 01:43 | 1       |
| p-Terphenyl-d14      | 85        |           | 79 - 130 | 06/30/21 07:50 | 07/07/21 01:43 | 1       |
| Phenol-d5            | 70        |           | 54 - 120 | 06/30/21 07:50 | 07/07/21 01:43 | 1       |

## Method: 8081B - Organochlorine Pesticides (GC)

| Analyte             | Result | Qualifier | RL  | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|--------|-----------|-----|------|-------|---|----------------|----------------|---------|
| 4,4'-DDD            | ND     |           | 2.0 | 0.39 | ug/Kg | ☆ | 06/29/21 07:46 | 06/30/21 15:40 | 1       |
| 4,4'-DDE            | 2.0    |           | 2.0 | 0.43 | ug/Kg | ☆ | 06/29/21 07:46 | 06/30/21 15:40 | 1       |
| 4,4'-DDT            | 2.8    |           | 2.0 | 0.48 | ug/Kg | ☆ | 06/29/21 07:46 | 06/30/21 15:40 | 1       |
| Aldrin              | ND     |           | 2.0 | 0.50 | ug/Kg | ☆ | 06/29/21 07:46 | 06/30/21 15:40 | 1       |
| alpha-BHC           | ND     |           | 2.0 | 0.37 | ug/Kg | ☆ | 06/29/21 07:46 | 06/30/21 15:40 | 1       |
| cis-Chlordane       | ND     |           | 2.0 | 1.0  | ug/Kg | ☆ | 06/29/21 07:46 | 06/30/21 15:40 | 1       |
| beta-BHC            | 2.2    |           | 2.0 | 0.37 | ug/Kg | ☆ | 06/29/21 07:46 | 06/30/21 15:40 | 1       |
| delta-BHC           | ND     |           | 2.0 | 0.38 | ug/Kg | ☆ | 06/29/21 07:46 | 06/30/21 15:40 | 1       |
| Dieldrin            | ND     |           | 2.0 | 0.49 | ug/Kg | ☆ | 06/29/21 07:46 | 06/30/21 15:40 | 1       |
| Endosulfan I        | ND     |           | 2.0 | 0.39 | ug/Kg | ☆ | 06/29/21 07:46 | 06/30/21 15:40 | 1       |
| Endosulfan II       | ND     |           | 2.0 | 0.37 | ug/Kg | ☆ | 06/29/21 07:46 | 06/30/21 15:40 | 1       |
| Endosulfan sulfate  | ND     |           | 2.0 | 0.38 | ug/Kg | ☆ | 06/29/21 07:46 | 06/30/21 15:40 | 1       |
| Endrin              | ND     |           | 2.0 | 0.40 | ug/Kg | ☆ | 06/29/21 07:46 | 06/30/21 15:40 | 1       |
| Endrin aldehyde     | 0.53   | J         | 2.0 | 0.52 | ug/Kg | ☆ | 06/29/21 07:46 | 06/30/21 15:40 | 1       |
| Endrin ketone       | ND     |           | 2.0 | 0.50 | ug/Kg | ☆ | 06/29/21 07:46 | 06/30/21 15:40 | 1       |
| gamma-BHC (Lindane) | ND     |           | 2.0 | 0.37 | ug/Kg | ☆ | 06/29/21 07:46 | 06/30/21 15:40 | 1       |
| trans-Chlordane     | ND     |           | 2.0 | 0.65 | ug/Kg | ☆ | 06/29/21 07:46 | 06/30/21 15:40 | 1       |
| Heptachlor          | ND     |           | 2.0 | 0.44 | ug/Kg | ☆ | 06/29/21 07:46 | 06/30/21 15:40 | 1       |
| Heptachlor epoxide  | ND     |           | 2.0 | 0.52 | ug/Kg | ☆ | 06/29/21 07:46 | 06/30/21 15:40 | 1       |
| Methoxychlor        | ND     |           | 2.0 | 0.41 | ug/Kg | ☆ | 06/29/21 07:46 | 06/30/21 15:40 | 1       |
| Toxaphene           | ND     |           | 20  | 12   | ug/Kg | ☆ | 06/29/21 07:46 | 06/30/21 15:40 | 1       |
| Mirex               | ND     |           | 2.0 | 0.50 | ug/Kg | ☆ | 06/29/21 07:46 | 06/30/21 15:40 | 1       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186368-1

Client Sample ID: SS-08-0212

Lab Sample ID: 480-186368-12

Date Collected: 06/22/21 09:05

Matrix: Solid

Date Received: 06/22/21 12:15

Percent Solids: 81.4

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| DCB Decachlorobiphenyl | 114       |           | 45 - 120 | 06/29/21 07:46 | 06/30/21 15:40 | 1       |
| DCB Decachlorobiphenyl | 94        |           | 45 - 120 | 06/29/21 07:46 | 06/30/21 15:40 | 1       |
| Tetrachloro-m-xylene   | 92        |           | 30 - 124 | 06/29/21 07:46 | 06/30/21 15:40 | 1       |
| Tetrachloro-m-xylene   | 70        |           | 30 - 124 | 06/29/21 07:46 | 06/30/21 15:40 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| PCB-1016 | ND     |           | 0.26 | 0.050 | mg/Kg | ☆ | 07/01/21 15:01 | 07/06/21 00:36 | 1       |
| PCB-1221 | ND     |           | 0.26 | 0.050 | mg/Kg | ☆ | 07/01/21 15:01 | 07/06/21 00:36 | 1       |
| PCB-1232 | ND     |           | 0.26 | 0.050 | mg/Kg | ☆ | 07/01/21 15:01 | 07/06/21 00:36 | 1       |
| PCB-1242 | ND     |           | 0.26 | 0.050 | mg/Kg | ☆ | 07/01/21 15:01 | 07/06/21 00:36 | 1       |
| PCB-1248 | ND     |           | 0.26 | 0.050 | mg/Kg | ☆ | 07/01/21 15:01 | 07/06/21 00:36 | 1       |
| PCB-1254 | ND     |           | 0.26 | 0.12  | mg/Kg | ☆ | 07/01/21 15:01 | 07/06/21 00:36 | 1       |
| PCB-1260 | ND     |           | 0.26 | 0.12  | mg/Kg | ☆ | 07/01/21 15:01 | 07/06/21 00:36 | 1       |
| PCB-1262 | ND     |           | 0.26 | 0.12  | mg/Kg | ☆ | 07/01/21 15:01 | 07/06/21 00:36 | 1       |
| PCB-1268 | ND     |           | 0.26 | 0.12  | mg/Kg | ☆ | 07/01/21 15:01 | 07/06/21 00:36 | 1       |

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| Tetrachloro-m-xylene   | 154       |           | 60 - 154 | 07/01/21 15:01 | 07/06/21 00:36 | 1       |
| Tetrachloro-m-xylene   | 160       | S1+       | 60 - 154 | 07/01/21 15:01 | 07/06/21 00:36 | 1       |
| DCB Decachlorobiphenyl | 152       |           | 65 - 174 | 07/01/21 15:01 | 07/06/21 00:36 | 1       |
| DCB Decachlorobiphenyl | 141       |           | 65 - 174 | 07/01/21 15:01 | 07/06/21 00:36 | 1       |

## Method: 6010C - Metals (ICP)

| Analyte   | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| Aluminum  | 13200  |           | 12.7 | 5.6   | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 19:41 | 1       |
| Antimony  | ND     |           | 19.0 | 0.51  | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 19:41 | 1       |
| Arsenic   | 4.0    |           | 2.5  | 0.51  | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 19:41 | 1       |
| Barium    | 79.5   | ^6+       | 0.63 | 0.14  | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 19:41 | 1       |
| Beryllium | 0.61   |           | 0.25 | 0.036 | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 19:41 | 1       |
| Cadmium   | 0.42   |           | 0.25 | 0.038 | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 19:41 | 1       |
| Calcium   | 41900  | B         | 63.5 | 4.2   | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 19:41 | 1       |
| Chromium  | 19.3   |           | 0.63 | 0.25  | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 19:41 | 1       |
| Cobalt    | 9.2    |           | 0.63 | 0.063 | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 19:41 | 1       |
| Copper    | 18.9   |           | 1.3  | 0.27  | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 19:41 | 1       |
| Iron      | 18800  |           | 12.7 | 4.4   | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 19:41 | 1       |
| Lead      | 22.2   | B         | 1.3  | 0.30  | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 19:41 | 1       |
| Magnesium | 13500  |           | 25.4 | 1.2   | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 19:41 | 1       |
| Manganese | 415    | B         | 0.25 | 0.041 | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 19:41 | 1       |
| Nickel    | 22.6   |           | 6.3  | 0.29  | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 19:41 | 1       |
| Potassium | 3160   |           | 38.1 | 25.4  | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 19:41 | 1       |
| Selenium  | 1.5    | J         | 5.1  | 0.51  | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 19:41 | 1       |
| Silver    | ND     |           | 0.76 | 0.25  | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 19:41 | 1       |
| Sodium    | 210    |           | 178  | 16.5  | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 19:41 | 1       |
| Thallium  | ND     |           | 7.6  | 0.38  | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 19:41 | 1       |
| Vanadium  | 28.3   |           | 0.63 | 0.14  | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 19:41 | 1       |
| Zinc      | 73.0   |           | 2.5  | 0.81  | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 19:41 | 1       |

## Method: 7471B - Mercury (CVAA)

| Analyte | Result | Qualifier | RL    | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------|--------|-----------|-------|-------|-------|---|----------------|----------------|---------|
| Mercury | 0.060  |           | 0.050 | 0.011 | mg/Kg | ☆ | 07/01/21 13:35 | 07/01/21 16:05 | 1       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186368-1

Client Sample ID: SS-13-0002

Lab Sample ID: 480-186368-13

Date Collected: 06/22/21 08:40

Matrix: Solid

Date Received: 06/22/21 12:15

Percent Solids: 45.1

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

| Analyte                       | Result | Qualifier | RL    | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|--------|-----------|-------|------|-------|---|----------------|----------------|---------|
| Biphenyl                      | ND     |           | 1800  | 270  | ug/Kg | ✱ | 06/30/21 07:50 | 07/06/21 21:23 | 5       |
| bis (2-chloroisopropyl) ether | ND     |           | 1800  | 370  | ug/Kg | ✱ | 06/30/21 07:50 | 07/06/21 21:23 | 5       |
| 2,4,5-Trichlorophenol         | ND     |           | 1800  | 500  | ug/Kg | ✱ | 06/30/21 07:50 | 07/06/21 21:23 | 5       |
| 2,4,6-Trichlorophenol         | ND     |           | 1800  | 370  | ug/Kg | ✱ | 06/30/21 07:50 | 07/06/21 21:23 | 5       |
| 2,4-Dichlorophenol            | ND     |           | 1800  | 190  | ug/Kg | ✱ | 06/30/21 07:50 | 07/06/21 21:23 | 5       |
| 2,4-Dimethylphenol            | ND     |           | 1800  | 440  | ug/Kg | ✱ | 06/30/21 07:50 | 07/06/21 21:23 | 5       |
| 2,4-Dinitrophenol             | ND     |           | 18000 | 8500 | ug/Kg | ✱ | 06/30/21 07:50 | 07/06/21 21:23 | 5       |
| 2,4-Dinitrotoluene            | ND     |           | 1800  | 380  | ug/Kg | ✱ | 06/30/21 07:50 | 07/06/21 21:23 | 5       |
| 2,6-Dinitrotoluene            | ND     |           | 1800  | 220  | ug/Kg | ✱ | 06/30/21 07:50 | 07/06/21 21:23 | 5       |
| 2-Chloronaphthalene           | ND     |           | 1800  | 300  | ug/Kg | ✱ | 06/30/21 07:50 | 07/06/21 21:23 | 5       |
| 2-Chlorophenol                | ND     |           | 3600  | 330  | ug/Kg | ✱ | 06/30/21 07:50 | 07/06/21 21:23 | 5       |
| 2-Methylnaphthalene           | ND     |           | 1800  | 370  | ug/Kg | ✱ | 06/30/21 07:50 | 07/06/21 21:23 | 5       |
| 2-Methylphenol                | ND     |           | 1800  | 220  | ug/Kg | ✱ | 06/30/21 07:50 | 07/06/21 21:23 | 5       |
| 2-Nitroaniline                | ND     |           | 3600  | 270  | ug/Kg | ✱ | 06/30/21 07:50 | 07/06/21 21:23 | 5       |
| 2-Nitrophenol                 | ND     |           | 1800  | 520  | ug/Kg | ✱ | 06/30/21 07:50 | 07/06/21 21:23 | 5       |
| 3,3'-Dichlorobenzidine        | ND     |           | 3600  | 2200 | ug/Kg | ✱ | 06/30/21 07:50 | 07/06/21 21:23 | 5       |
| 3-Nitroaniline                | ND     |           | 3600  | 510  | ug/Kg | ✱ | 06/30/21 07:50 | 07/06/21 21:23 | 5       |
| 4,6-Dinitro-2-methylphenol    | ND     |           | 3600  | 1800 | ug/Kg | ✱ | 06/30/21 07:50 | 07/06/21 21:23 | 5       |
| 4-Bromophenyl phenyl ether    | ND     |           | 1800  | 260  | ug/Kg | ✱ | 06/30/21 07:50 | 07/06/21 21:23 | 5       |
| 4-Chloro-3-methylphenol       | ND     |           | 1800  | 450  | ug/Kg | ✱ | 06/30/21 07:50 | 07/06/21 21:23 | 5       |
| 4-Chloroaniline               | ND     |           | 1800  | 450  | ug/Kg | ✱ | 06/30/21 07:50 | 07/06/21 21:23 | 5       |
| 4-Chlorophenyl phenyl ether   | ND     |           | 1800  | 230  | ug/Kg | ✱ | 06/30/21 07:50 | 07/06/21 21:23 | 5       |
| 4-Methylphenol                | ND     |           | 3600  | 220  | ug/Kg | ✱ | 06/30/21 07:50 | 07/06/21 21:23 | 5       |
| 4-Nitroaniline                | ND     |           | 3600  | 960  | ug/Kg | ✱ | 06/30/21 07:50 | 07/06/21 21:23 | 5       |
| 4-Nitrophenol                 | ND     |           | 3600  | 1300 | ug/Kg | ✱ | 06/30/21 07:50 | 07/06/21 21:23 | 5       |
| Acenaphthene                  | ND     |           | 1800  | 270  | ug/Kg | ✱ | 06/30/21 07:50 | 07/06/21 21:23 | 5       |
| Acenaphthylene                | ND     |           | 1800  | 240  | ug/Kg | ✱ | 06/30/21 07:50 | 07/06/21 21:23 | 5       |
| Acetophenone                  | ND     |           | 1800  | 250  | ug/Kg | ✱ | 06/30/21 07:50 | 07/06/21 21:23 | 5       |
| Anthracene                    | ND     |           | 1800  | 450  | ug/Kg | ✱ | 06/30/21 07:50 | 07/06/21 21:23 | 5       |
| Atrazine                      | ND     |           | 1800  | 640  | ug/Kg | ✱ | 06/30/21 07:50 | 07/06/21 21:23 | 5       |
| Benzaldehyde                  | ND     |           | 1800  | 1500 | ug/Kg | ✱ | 06/30/21 07:50 | 07/06/21 21:23 | 5       |
| Benzo(a)anthracene            | 570    | J         | 1800  | 180  | ug/Kg | ✱ | 06/30/21 07:50 | 07/06/21 21:23 | 5       |
| Benzo(a)pyrene                | 530    | J         | 1800  | 270  | ug/Kg | ✱ | 06/30/21 07:50 | 07/06/21 21:23 | 5       |
| Benzo(b)fluoranthene          | 1000   | J         | 1800  | 290  | ug/Kg | ✱ | 06/30/21 07:50 | 07/06/21 21:23 | 5       |
| Benzo(g,h,i)perylene          | 360    | J         | 1800  | 190  | ug/Kg | ✱ | 06/30/21 07:50 | 07/06/21 21:23 | 5       |
| Benzo(k)fluoranthene          | ND     |           | 1800  | 240  | ug/Kg | ✱ | 06/30/21 07:50 | 07/06/21 21:23 | 5       |
| Bis(2-chloroethoxy)methane    | ND     |           | 1800  | 390  | ug/Kg | ✱ | 06/30/21 07:50 | 07/06/21 21:23 | 5       |
| Bis(2-chloroethyl)ether       | ND     |           | 1800  | 240  | ug/Kg | ✱ | 06/30/21 07:50 | 07/06/21 21:23 | 5       |
| Bis(2-ethylhexyl) phthalate   | ND     |           | 1800  | 630  | ug/Kg | ✱ | 06/30/21 07:50 | 07/06/21 21:23 | 5       |
| Butyl benzyl phthalate        | 710    | J         | 1800  | 300  | ug/Kg | ✱ | 06/30/21 07:50 | 07/06/21 21:23 | 5       |
| Caprolactam                   | ND     |           | 1800  | 550  | ug/Kg | ✱ | 06/30/21 07:50 | 07/06/21 21:23 | 5       |
| Carbazole                     | ND     |           | 1800  | 220  | ug/Kg | ✱ | 06/30/21 07:50 | 07/06/21 21:23 | 5       |
| Chrysene                      | 570    | J         | 1800  | 410  | ug/Kg | ✱ | 06/30/21 07:50 | 07/06/21 21:23 | 5       |
| Di-n-butyl phthalate          | ND     |           | 1800  | 310  | ug/Kg | ✱ | 06/30/21 07:50 | 07/06/21 21:23 | 5       |
| Di-n-octyl phthalate          | ND     |           | 1800  | 220  | ug/Kg | ✱ | 06/30/21 07:50 | 07/06/21 21:23 | 5       |
| Dibenz(a,h)anthracene         | ND     |           | 1800  | 320  | ug/Kg | ✱ | 06/30/21 07:50 | 07/06/21 21:23 | 5       |
| Dibenzofuran                  | ND     |           | 1800  | 220  | ug/Kg | ✱ | 06/30/21 07:50 | 07/06/21 21:23 | 5       |
| Diethyl phthalate             | ND     |           | 1800  | 240  | ug/Kg | ✱ | 06/30/21 07:50 | 07/06/21 21:23 | 5       |
| Dimethyl phthalate            | ND     |           | 1800  | 220  | ug/Kg | ✱ | 06/30/21 07:50 | 07/06/21 21:23 | 5       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186368-1

Client Sample ID: SS-13-0002

Lab Sample ID: 480-186368-13

Date Collected: 06/22/21 08:40

Matrix: Solid

Date Received: 06/22/21 12:15

Percent Solids: 45.1

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

| Analyte                   | Result | Qualifier | RL    | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------------|--------|-----------|-------|-------|-------|---|----------------|----------------|---------|
| Fluoranthene              | 1200   | J         | 1800  | 190   | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 21:23 | 5       |
| Fluorene                  | ND     |           | 1800  | 220   | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 21:23 | 5       |
| Hexachlorobenzene         | ND     |           | 1800  | 250   | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 21:23 | 5       |
| Hexachlorobutadiene       | ND     |           | 1800  | 270   | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 21:23 | 5       |
| Hexachlorocyclopentadiene | ND     |           | 1800  | 250   | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 21:23 | 5       |
| Hexachloroethane          | ND     |           | 1800  | 240   | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 21:23 | 5       |
| Indeno(1,2,3-cd)pyrene    | 320    | J         | 1800  | 230   | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 21:23 | 5       |
| Isophorone                | ND     |           | 1800  | 390   | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 21:23 | 5       |
| N-Nitrosodi-n-propylamine | ND     |           | 1800  | 310   | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 21:23 | 5       |
| N-Nitrosodiphenylamine    | ND     |           | 1800  | 1500  | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 21:23 | 5       |
| Naphthalene               | ND     |           | 1800  | 240   | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 21:23 | 5       |
| Nitrobenzene              | ND     |           | 1800  | 200   | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 21:23 | 5       |
| Pentachlorophenol         | ND     |           | 3600  | 1800  | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 21:23 | 5       |
| Phenanthrene              | 500    | J         | 1800  | 270   | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 21:23 | 5       |
| Phenol                    | ND     |           | 1800  | 280   | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 21:23 | 5       |
| Pyrene                    | 910    | J         | 1800  | 220   | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 21:23 | 5       |
| Benzoic acid              | ND     | F1 *+     | 52000 | 16000 | ug/Kg | ☆ | 06/30/21 07:50 | 07/06/21 21:23 | 5       |

| Surrogate            | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 2,4,6-Tribromophenol | 78        |           | 54 - 120 | 06/30/21 07:50 | 07/06/21 21:23 | 5       |
| 2-Fluorobiphenyl     | 79        |           | 60 - 120 | 06/30/21 07:50 | 07/06/21 21:23 | 5       |
| 2-Fluorophenol       | 66        |           | 52 - 120 | 06/30/21 07:50 | 07/06/21 21:23 | 5       |
| Nitrobenzene-d5      | 70        |           | 53 - 120 | 06/30/21 07:50 | 07/06/21 21:23 | 5       |
| p-Terphenyl-d14      | 83        |           | 79 - 130 | 06/30/21 07:50 | 07/06/21 21:23 | 5       |
| Phenol-d5            | 67        |           | 54 - 120 | 06/30/21 07:50 | 07/06/21 21:23 | 5       |

## Method: 8081B - Organochlorine Pesticides (GC)

| Analyte             | Result | Qualifier | RL  | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|--------|-----------|-----|-----|-------|---|----------------|----------------|---------|
| 4,4'-DDD            | ND     |           | 37  | 7.1 | ug/Kg | ☆ | 06/29/21 07:46 | 06/30/21 11:06 | 10      |
| 4,4'-DDE            | ND     |           | 37  | 7.7 | ug/Kg | ☆ | 06/29/21 07:46 | 06/30/21 11:06 | 10      |
| 4,4'-DDT            | ND     | F1        | 37  | 8.6 | ug/Kg | ☆ | 06/29/21 07:46 | 06/30/21 11:06 | 10      |
| Aldrin              | ND     |           | 37  | 9.0 | ug/Kg | ☆ | 06/29/21 07:46 | 06/30/21 11:06 | 10      |
| alpha-BHC           | ND     |           | 37  | 6.6 | ug/Kg | ☆ | 06/29/21 07:46 | 06/30/21 11:06 | 10      |
| cis-Chlordane       | ND     |           | 37  | 18  | ug/Kg | ☆ | 06/29/21 07:46 | 06/30/21 11:06 | 10      |
| beta-BHC            | ND     |           | 37  | 6.6 | ug/Kg | ☆ | 06/29/21 07:46 | 06/30/21 11:06 | 10      |
| delta-BHC           | ND     |           | 37  | 6.8 | ug/Kg | ☆ | 06/29/21 07:46 | 06/30/21 11:06 | 10      |
| Dieldrin            | ND     |           | 37  | 8.8 | ug/Kg | ☆ | 06/29/21 07:46 | 06/30/21 11:06 | 10      |
| Endosulfan I        | ND     |           | 37  | 7.0 | ug/Kg | ☆ | 06/29/21 07:46 | 06/30/21 11:06 | 10      |
| Endosulfan II       | ND     |           | 37  | 6.6 | ug/Kg | ☆ | 06/29/21 07:46 | 06/30/21 11:06 | 10      |
| Endosulfan sulfate  | ND     |           | 37  | 6.8 | ug/Kg | ☆ | 06/29/21 07:46 | 06/30/21 11:06 | 10      |
| Endrin              | ND     |           | 37  | 7.2 | ug/Kg | ☆ | 06/29/21 07:46 | 06/30/21 11:06 | 10      |
| Endrin aldehyde     | 47     | F1        | 37  | 9.3 | ug/Kg | ☆ | 06/29/21 07:46 | 06/30/21 11:06 | 10      |
| Endrin ketone       | ND     |           | 37  | 9.0 | ug/Kg | ☆ | 06/29/21 07:46 | 06/30/21 11:06 | 10      |
| gamma-BHC (Lindane) | ND     |           | 37  | 6.7 | ug/Kg | ☆ | 06/29/21 07:46 | 06/30/21 11:06 | 10      |
| trans-Chlordane     | ND     |           | 37  | 12  | ug/Kg | ☆ | 06/29/21 07:46 | 06/30/21 11:06 | 10      |
| Heptachlor          | ND     |           | 37  | 7.9 | ug/Kg | ☆ | 06/29/21 07:46 | 06/30/21 11:06 | 10      |
| Heptachlor epoxide  | ND     | F1        | 37  | 9.4 | ug/Kg | ☆ | 06/29/21 07:46 | 06/30/21 11:06 | 10      |
| Methoxychlor        | ND     | F1        | 37  | 7.5 | ug/Kg | ☆ | 06/29/21 07:46 | 06/30/21 11:06 | 10      |
| Toxaphene           | ND     |           | 370 | 210 | ug/Kg | ☆ | 06/29/21 07:46 | 06/30/21 11:06 | 10      |
| Mirex               | ND     |           | 37  | 9.0 | ug/Kg | ☆ | 06/29/21 07:46 | 06/30/21 11:06 | 10      |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186368-1

Client Sample ID: SS-13-0002

Lab Sample ID: 480-186368-13

Date Collected: 06/22/21 08:40

Matrix: Solid

Date Received: 06/22/21 12:15

Percent Solids: 45.1

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| DCB Decachlorobiphenyl | 110       |           | 45 - 120 | 06/29/21 07:46 | 06/30/21 11:06 | 10      |
| DCB Decachlorobiphenyl | 86        |           | 45 - 120 | 06/29/21 07:46 | 06/30/21 11:06 | 10      |
| Tetrachloro-m-xylene   | 0         | S1-       | 30 - 124 | 06/29/21 07:46 | 06/30/21 11:06 | 10      |
| Tetrachloro-m-xylene   | 0         | S1-       | 30 - 124 | 06/29/21 07:46 | 06/30/21 11:06 | 10      |

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

| Analyte  | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------|-----------|------|------|-------|---|----------------|----------------|---------|
| PCB-1016 | ND     |           | 0.51 | 0.10 | mg/Kg | ☆ | 07/01/21 15:01 | 07/05/21 22:15 | 1       |
| PCB-1221 | ND     |           | 0.51 | 0.10 | mg/Kg | ☆ | 07/01/21 15:01 | 07/05/21 22:15 | 1       |
| PCB-1232 | ND     |           | 0.51 | 0.10 | mg/Kg | ☆ | 07/01/21 15:01 | 07/05/21 22:15 | 1       |
| PCB-1242 | ND     |           | 0.51 | 0.10 | mg/Kg | ☆ | 07/01/21 15:01 | 07/05/21 22:15 | 1       |
| PCB-1248 | ND     |           | 0.51 | 0.10 | mg/Kg | ☆ | 07/01/21 15:01 | 07/05/21 22:15 | 1       |
| PCB-1254 | ND     |           | 0.51 | 0.24 | mg/Kg | ☆ | 07/01/21 15:01 | 07/05/21 22:15 | 1       |
| PCB-1260 | 0.36   | J         | 0.51 | 0.24 | mg/Kg | ☆ | 07/01/21 15:01 | 07/05/21 22:15 | 1       |
| PCB-1262 | ND     |           | 0.51 | 0.24 | mg/Kg | ☆ | 07/01/21 15:01 | 07/05/21 22:15 | 1       |
| PCB-1268 | ND     |           | 0.51 | 0.24 | mg/Kg | ☆ | 07/01/21 15:01 | 07/05/21 22:15 | 1       |

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| Tetrachloro-m-xylene   | 123       |           | 60 - 154 | 07/01/21 15:01 | 07/05/21 22:15 | 1       |
| Tetrachloro-m-xylene   | 127       |           | 60 - 154 | 07/01/21 15:01 | 07/05/21 22:15 | 1       |
| DCB Decachlorobiphenyl | 116       |           | 65 - 174 | 07/01/21 15:01 | 07/05/21 22:15 | 1       |
| DCB Decachlorobiphenyl | 113       |           | 65 - 174 | 07/01/21 15:01 | 07/05/21 22:15 | 1       |

## Method: 6010C - Metals (ICP)

| Analyte   | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| Aluminum  | 10600  | F1        | 23.1 | 10.2  | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 19:45 | 1       |
| Antimony  | ND     |           | 34.7 | 0.92  | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 19:45 | 1       |
| Arsenic   | 3.8    | J         | 4.6  | 0.92  | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 19:45 | 1       |
| Barium    | 146    | ^6+ F1    | 1.2  | 0.25  | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 19:45 | 1       |
| Beryllium | 0.55   |           | 0.46 | 0.065 | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 19:45 | 1       |
| Cadmium   | 5.2    |           | 0.46 | 0.069 | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 19:45 | 1       |
| Calcium   | 26800  | B         | 116  | 7.6   | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 19:45 | 1       |
| Chromium  | 126    |           | 1.2  | 0.46  | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 19:45 | 1       |
| Cobalt    | 8.7    |           | 1.2  | 0.12  | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 19:45 | 1       |
| Copper    | 82.8   |           | 2.3  | 0.49  | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 19:45 | 1       |
| Iron      | 18400  | F1        | 23.1 | 8.1   | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 19:45 | 1       |
| Lead      | 599    | B         | 2.3  | 0.55  | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 19:45 | 1       |
| Magnesium | 9980   | F1        | 46.2 | 2.1   | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 19:45 | 1       |
| Manganese | 264    | B F1      | 0.46 | 0.074 | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 19:45 | 1       |
| Nickel    | 51.1   |           | 11.6 | 0.53  | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 19:45 | 1       |
| Potassium | 2470   | F1        | 69.4 | 46.2  | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 19:45 | 1       |
| Selenium  | ND     |           | 9.2  | 0.92  | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 19:45 | 1       |
| Silver    | 4.8    |           | 1.4  | 0.46  | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 19:45 | 1       |
| Sodium    | 202    | J         | 324  | 30.1  | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 19:45 | 1       |
| Thallium  | ND     |           | 13.9 | 0.69  | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 19:45 | 1       |
| Vanadium  | 45.5   |           | 1.2  | 0.25  | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 19:45 | 1       |
| Zinc      | 1310   |           | 4.6  | 1.5   | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 19:45 | 1       |

## Method: 7471B - Mercury (CVAA)

| Analyte | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| Mercury | 0.95   |           | 0.13 | 0.031 | mg/Kg | ☆ | 07/01/21 13:35 | 07/01/21 16:07 | 1       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186368-1

Client Sample ID: SS-13-0212

Lab Sample ID: 480-186368-14

Date Collected: 06/22/21 08:45

Matrix: Solid

Date Received: 06/22/21 12:15

Percent Solids: 55.7

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

| Analyte                       | Result | Qualifier | RL     | MDL    | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|--------|-----------|--------|--------|-------|---|----------------|----------------|---------|
| Biphenyl                      | ND     |           | 30000  | 4400   | ug/Kg | ☆ | 06/30/21 07:50 | 07/07/21 02:07 | 10      |
| bis (2-chloroisopropyl) ether | ND     |           | 30000  | 6000   | ug/Kg | ☆ | 06/30/21 07:50 | 07/07/21 02:07 | 10      |
| 2,4,5-Trichlorophenol         | ND     |           | 30000  | 8100   | ug/Kg | ☆ | 06/30/21 07:50 | 07/07/21 02:07 | 10      |
| 2,4,6-Trichlorophenol         | ND     |           | 30000  | 6000   | ug/Kg | ☆ | 06/30/21 07:50 | 07/07/21 02:07 | 10      |
| 2,4-Dichlorophenol            | ND     |           | 30000  | 3200   | ug/Kg | ☆ | 06/30/21 07:50 | 07/07/21 02:07 | 10      |
| 2,4-Dimethylphenol            | ND     |           | 30000  | 7200   | ug/Kg | ☆ | 06/30/21 07:50 | 07/07/21 02:07 | 10      |
| 2,4-Dinitrophenol             | ND     |           | 290000 | 140000 | ug/Kg | ☆ | 06/30/21 07:50 | 07/07/21 02:07 | 10      |
| 2,4-Dinitrotoluene            | ND     |           | 30000  | 6100   | ug/Kg | ☆ | 06/30/21 07:50 | 07/07/21 02:07 | 10      |
| 2,6-Dinitrotoluene            | ND     |           | 30000  | 3500   | ug/Kg | ☆ | 06/30/21 07:50 | 07/07/21 02:07 | 10      |
| 2-Chloronaphthalene           | ND     |           | 30000  | 4900   | ug/Kg | ☆ | 06/30/21 07:50 | 07/07/21 02:07 | 10      |
| 2-Chlorophenol                | ND     |           | 58000  | 5400   | ug/Kg | ☆ | 06/30/21 07:50 | 07/07/21 02:07 | 10      |
| 2-Methylnaphthalene           | ND     |           | 30000  | 6000   | ug/Kg | ☆ | 06/30/21 07:50 | 07/07/21 02:07 | 10      |
| 2-Methylphenol                | ND     |           | 30000  | 3500   | ug/Kg | ☆ | 06/30/21 07:50 | 07/07/21 02:07 | 10      |
| 2-Nitroaniline                | ND     |           | 58000  | 4400   | ug/Kg | ☆ | 06/30/21 07:50 | 07/07/21 02:07 | 10      |
| 2-Nitrophenol                 | ND     |           | 30000  | 8400   | ug/Kg | ☆ | 06/30/21 07:50 | 07/07/21 02:07 | 10      |
| 3,3'-Dichlorobenzidine        | ND     |           | 58000  | 35000  | ug/Kg | ☆ | 06/30/21 07:50 | 07/07/21 02:07 | 10      |
| 3-Nitroaniline                | ND     |           | 58000  | 8200   | ug/Kg | ☆ | 06/30/21 07:50 | 07/07/21 02:07 | 10      |
| 4,6-Dinitro-2-methylphenol    | ND     |           | 58000  | 30000  | ug/Kg | ☆ | 06/30/21 07:50 | 07/07/21 02:07 | 10      |
| 4-Bromophenyl phenyl ether    | ND     |           | 30000  | 4200   | ug/Kg | ☆ | 06/30/21 07:50 | 07/07/21 02:07 | 10      |
| 4-Chloro-3-methylphenol       | ND     |           | 30000  | 7400   | ug/Kg | ☆ | 06/30/21 07:50 | 07/07/21 02:07 | 10      |
| 4-Chloroaniline               | ND     |           | 30000  | 7400   | ug/Kg | ☆ | 06/30/21 07:50 | 07/07/21 02:07 | 10      |
| 4-Chlorophenyl phenyl ether   | ND     |           | 30000  | 3700   | ug/Kg | ☆ | 06/30/21 07:50 | 07/07/21 02:07 | 10      |
| 4-Methylphenol                | ND     |           | 58000  | 3500   | ug/Kg | ☆ | 06/30/21 07:50 | 07/07/21 02:07 | 10      |
| 4-Nitroaniline                | ND     |           | 58000  | 16000  | ug/Kg | ☆ | 06/30/21 07:50 | 07/07/21 02:07 | 10      |
| 4-Nitrophenol                 | ND     |           | 58000  | 21000  | ug/Kg | ☆ | 06/30/21 07:50 | 07/07/21 02:07 | 10      |
| Acenaphthene                  | ND     |           | 30000  | 4400   | ug/Kg | ☆ | 06/30/21 07:50 | 07/07/21 02:07 | 10      |
| Acenaphthylene                | ND     |           | 30000  | 3900   | ug/Kg | ☆ | 06/30/21 07:50 | 07/07/21 02:07 | 10      |
| Acetophenone                  | ND     |           | 30000  | 4000   | ug/Kg | ☆ | 06/30/21 07:50 | 07/07/21 02:07 | 10      |
| Anthracene                    | ND     |           | 30000  | 7400   | ug/Kg | ☆ | 06/30/21 07:50 | 07/07/21 02:07 | 10      |
| Atrazine                      | ND     |           | 30000  | 10000  | ug/Kg | ☆ | 06/30/21 07:50 | 07/07/21 02:07 | 10      |
| Benzaldehyde                  | ND     |           | 30000  | 24000  | ug/Kg | ☆ | 06/30/21 07:50 | 07/07/21 02:07 | 10      |
| Benzo(a)anthracene            | 3400 J |           | 30000  | 3000   | ug/Kg | ☆ | 06/30/21 07:50 | 07/07/21 02:07 | 10      |
| Benzo(a)pyrene                | ND     |           | 30000  | 4400   | ug/Kg | ☆ | 06/30/21 07:50 | 07/07/21 02:07 | 10      |
| Benzo(b)fluoranthene          | 4900 J |           | 30000  | 4700   | ug/Kg | ☆ | 06/30/21 07:50 | 07/07/21 02:07 | 10      |
| Benzo(g,h,i)perylene          | ND     |           | 30000  | 3200   | ug/Kg | ☆ | 06/30/21 07:50 | 07/07/21 02:07 | 10      |
| Benzo(k)fluoranthene          | ND     |           | 30000  | 3900   | ug/Kg | ☆ | 06/30/21 07:50 | 07/07/21 02:07 | 10      |
| Bis(2-chloroethoxy)methane    | ND     |           | 30000  | 6300   | ug/Kg | ☆ | 06/30/21 07:50 | 07/07/21 02:07 | 10      |
| Bis(2-chloroethyl)ether       | ND     |           | 30000  | 3900   | ug/Kg | ☆ | 06/30/21 07:50 | 07/07/21 02:07 | 10      |
| Bis(2-ethylhexyl) phthalate   | ND     |           | 30000  | 10000  | ug/Kg | ☆ | 06/30/21 07:50 | 07/07/21 02:07 | 10      |
| Butyl benzyl phthalate        | ND     |           | 30000  | 4900   | ug/Kg | ☆ | 06/30/21 07:50 | 07/07/21 02:07 | 10      |
| Caprolactam                   | ND     |           | 30000  | 8900   | ug/Kg | ☆ | 06/30/21 07:50 | 07/07/21 02:07 | 10      |
| Carbazole                     | ND     |           | 30000  | 3500   | ug/Kg | ☆ | 06/30/21 07:50 | 07/07/21 02:07 | 10      |
| Chrysene                      | ND     |           | 30000  | 6700   | ug/Kg | ☆ | 06/30/21 07:50 | 07/07/21 02:07 | 10      |
| Di-n-butyl phthalate          | ND     |           | 30000  | 5100   | ug/Kg | ☆ | 06/30/21 07:50 | 07/07/21 02:07 | 10      |
| Di-n-octyl phthalate          | ND     |           | 30000  | 3500   | ug/Kg | ☆ | 06/30/21 07:50 | 07/07/21 02:07 | 10      |
| Dibenz(a,h)anthracene         | ND     |           | 30000  | 5300   | ug/Kg | ☆ | 06/30/21 07:50 | 07/07/21 02:07 | 10      |
| Dibenzofuran                  | ND     |           | 30000  | 3500   | ug/Kg | ☆ | 06/30/21 07:50 | 07/07/21 02:07 | 10      |
| Diethyl phthalate             | ND     |           | 30000  | 3900   | ug/Kg | ☆ | 06/30/21 07:50 | 07/07/21 02:07 | 10      |
| Dimethyl phthalate            | ND     |           | 30000  | 3500   | ug/Kg | ☆ | 06/30/21 07:50 | 07/07/21 02:07 | 10      |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186368-1

Client Sample ID: SS-13-0212

Lab Sample ID: 480-186368-14

Date Collected: 06/22/21 08:45

Matrix: Solid

Date Received: 06/22/21 12:15

Percent Solids: 55.7

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

| Analyte                   | Result | Qualifier | RL     | MDL    | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------------|--------|-----------|--------|--------|-------|---|----------------|----------------|---------|
| Fluoranthene              | 7300   | J         | 30000  | 3200   | ug/Kg | ☆ | 06/30/21 07:50 | 07/07/21 02:07 | 10      |
| Fluorene                  | ND     |           | 30000  | 3500   | ug/Kg | ☆ | 06/30/21 07:50 | 07/07/21 02:07 | 10      |
| Hexachlorobenzene         | ND     |           | 30000  | 4000   | ug/Kg | ☆ | 06/30/21 07:50 | 07/07/21 02:07 | 10      |
| Hexachlorobutadiene       | ND     |           | 30000  | 4400   | ug/Kg | ☆ | 06/30/21 07:50 | 07/07/21 02:07 | 10      |
| Hexachlorocyclopentadiene | ND     |           | 30000  | 4000   | ug/Kg | ☆ | 06/30/21 07:50 | 07/07/21 02:07 | 10      |
| Hexachloroethane          | ND     |           | 30000  | 3900   | ug/Kg | ☆ | 06/30/21 07:50 | 07/07/21 02:07 | 10      |
| Indeno(1,2,3-cd)pyrene    | ND     |           | 30000  | 3700   | ug/Kg | ☆ | 06/30/21 07:50 | 07/07/21 02:07 | 10      |
| Isophorone                | ND     |           | 30000  | 6300   | ug/Kg | ☆ | 06/30/21 07:50 | 07/07/21 02:07 | 10      |
| N-Nitrosodi-n-propylamine | ND     |           | 30000  | 5100   | ug/Kg | ☆ | 06/30/21 07:50 | 07/07/21 02:07 | 10      |
| N-Nitrosodiphenylamine    | ND     |           | 30000  | 24000  | ug/Kg | ☆ | 06/30/21 07:50 | 07/07/21 02:07 | 10      |
| Naphthalene               | ND     |           | 30000  | 3900   | ug/Kg | ☆ | 06/30/21 07:50 | 07/07/21 02:07 | 10      |
| Nitrobenzene              | ND     |           | 30000  | 3300   | ug/Kg | ☆ | 06/30/21 07:50 | 07/07/21 02:07 | 10      |
| Pentachlorophenol         | ND     |           | 58000  | 30000  | ug/Kg | ☆ | 06/30/21 07:50 | 07/07/21 02:07 | 10      |
| Phenanthrene              | ND     |           | 30000  | 4400   | ug/Kg | ☆ | 06/30/21 07:50 | 07/07/21 02:07 | 10      |
| Phenol                    | ND     |           | 30000  | 4600   | ug/Kg | ☆ | 06/30/21 07:50 | 07/07/21 02:07 | 10      |
| Pyrene                    | 6200   | J         | 30000  | 3500   | ug/Kg | ☆ | 06/30/21 07:50 | 07/07/21 02:07 | 10      |
| Benzoic acid              | ND     | +         | 840000 | 260000 | ug/Kg | ☆ | 06/30/21 07:50 | 07/07/21 02:07 | 10      |

| Surrogate            | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 2,4,6-Tribromophenol | 0         | S1-       | 54 - 120 | 06/30/21 07:50 | 07/07/21 02:07 | 10      |
| 2-Fluorobiphenyl     | 90        |           | 60 - 120 | 06/30/21 07:50 | 07/07/21 02:07 | 10      |
| 2-Fluorophenol       | 0         | S1-       | 52 - 120 | 06/30/21 07:50 | 07/07/21 02:07 | 10      |
| Nitrobenzene-d5      | 0         | S1-       | 53 - 120 | 06/30/21 07:50 | 07/07/21 02:07 | 10      |
| p-Terphenyl-d14      | 0         | S1-       | 79 - 130 | 06/30/21 07:50 | 07/07/21 02:07 | 10      |
| Phenol-d5            | 0         | S1-       | 54 - 120 | 06/30/21 07:50 | 07/07/21 02:07 | 10      |

## Method: 8081B - Organochlorine Pesticides (GC)

| Analyte             | Result | Qualifier | RL   | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|--------|-----------|------|-----|-------|---|----------------|----------------|---------|
| 4,4'-DDD            | ND     |           | 150  | 28  | ug/Kg | ☆ | 06/29/21 07:46 | 06/30/21 16:00 | 50      |
| 4,4'-DDE            | ND     |           | 150  | 31  | ug/Kg | ☆ | 06/29/21 07:46 | 06/30/21 16:00 | 50      |
| 4,4'-DDT            | ND     |           | 150  | 34  | ug/Kg | ☆ | 06/29/21 07:46 | 06/30/21 16:00 | 50      |
| Aldrin              | ND     |           | 150  | 36  | ug/Kg | ☆ | 06/29/21 07:46 | 06/30/21 16:00 | 50      |
| alpha-BHC           | ND     |           | 150  | 26  | ug/Kg | ☆ | 06/29/21 07:46 | 06/30/21 16:00 | 50      |
| cis-Chlordane       | ND     |           | 150  | 73  | ug/Kg | ☆ | 06/29/21 07:46 | 06/30/21 16:00 | 50      |
| beta-BHC            | ND     |           | 150  | 26  | ug/Kg | ☆ | 06/29/21 07:46 | 06/30/21 16:00 | 50      |
| delta-BHC           | ND     |           | 150  | 27  | ug/Kg | ☆ | 06/29/21 07:46 | 06/30/21 16:00 | 50      |
| Dieldrin            | ND     |           | 150  | 35  | ug/Kg | ☆ | 06/29/21 07:46 | 06/30/21 16:00 | 50      |
| Endosulfan I        | ND     |           | 150  | 28  | ug/Kg | ☆ | 06/29/21 07:46 | 06/30/21 16:00 | 50      |
| Endosulfan II       | ND     |           | 150  | 26  | ug/Kg | ☆ | 06/29/21 07:46 | 06/30/21 16:00 | 50      |
| Endosulfan sulfate  | ND     |           | 150  | 27  | ug/Kg | ☆ | 06/29/21 07:46 | 06/30/21 16:00 | 50      |
| Endrin              | ND     |           | 150  | 29  | ug/Kg | ☆ | 06/29/21 07:46 | 06/30/21 16:00 | 50      |
| Endrin aldehyde     | 47     | J         | 150  | 37  | ug/Kg | ☆ | 06/29/21 07:46 | 06/30/21 16:00 | 50      |
| Endrin ketone       | ND     |           | 150  | 36  | ug/Kg | ☆ | 06/29/21 07:46 | 06/30/21 16:00 | 50      |
| gamma-BHC (Lindane) | ND     |           | 150  | 27  | ug/Kg | ☆ | 06/29/21 07:46 | 06/30/21 16:00 | 50      |
| trans-Chlordane     | ND     |           | 150  | 46  | ug/Kg | ☆ | 06/29/21 07:46 | 06/30/21 16:00 | 50      |
| Heptachlor          | ND     |           | 150  | 32  | ug/Kg | ☆ | 06/29/21 07:46 | 06/30/21 16:00 | 50      |
| Heptachlor epoxide  | ND     |           | 150  | 38  | ug/Kg | ☆ | 06/29/21 07:46 | 06/30/21 16:00 | 50      |
| Methoxychlor        | ND     |           | 150  | 30  | ug/Kg | ☆ | 06/29/21 07:46 | 06/30/21 16:00 | 50      |
| Toxaphene           | ND     |           | 1500 | 850 | ug/Kg | ☆ | 06/29/21 07:46 | 06/30/21 16:00 | 50      |
| Mirex               | ND     |           | 150  | 36  | ug/Kg | ☆ | 06/29/21 07:46 | 06/30/21 16:00 | 50      |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186368-1

Client Sample ID: SS-13-0212

Lab Sample ID: 480-186368-14

Date Collected: 06/22/21 08:45

Matrix: Solid

Date Received: 06/22/21 12:15

Percent Solids: 55.7

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| DCB Decachlorobiphenyl | 0         | S1-       | 45 - 120 | 06/29/21 07:46 | 06/30/21 16:00 | 50      |
| DCB Decachlorobiphenyl | 0         | S1-       | 45 - 120 | 06/29/21 07:46 | 06/30/21 16:00 | 50      |
| Tetrachloro-m-xylene   | 0         | S1-       | 30 - 124 | 06/29/21 07:46 | 06/30/21 16:00 | 50      |
| Tetrachloro-m-xylene   | 0         | S1-       | 30 - 124 | 06/29/21 07:46 | 06/30/21 16:00 | 50      |

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

| Analyte  | Result | Qualifier | RL  | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------|-----------|-----|------|-------|---|----------------|----------------|---------|
| PCB-1016 | ND     |           | 1.9 | 0.38 | mg/Kg | ☆ | 07/01/21 15:01 | 07/06/21 13:07 | 5       |
| PCB-1221 | ND     |           | 1.9 | 0.38 | mg/Kg | ☆ | 07/01/21 15:01 | 07/06/21 13:07 | 5       |
| PCB-1232 | ND     |           | 1.9 | 0.38 | mg/Kg | ☆ | 07/01/21 15:01 | 07/06/21 13:07 | 5       |
| PCB-1242 | ND     |           | 1.9 | 0.38 | mg/Kg | ☆ | 07/01/21 15:01 | 07/06/21 13:07 | 5       |
| PCB-1248 | ND     |           | 1.9 | 0.38 | mg/Kg | ☆ | 07/01/21 15:01 | 07/06/21 13:07 | 5       |
| PCB-1254 | ND     |           | 1.9 | 0.90 | mg/Kg | ☆ | 07/01/21 15:01 | 07/06/21 13:07 | 5       |
| PCB-1260 | 1.2    | J         | 1.9 | 0.90 | mg/Kg | ☆ | 07/01/21 15:01 | 07/06/21 13:07 | 5       |
| PCB-1262 | ND     |           | 1.9 | 0.90 | mg/Kg | ☆ | 07/01/21 15:01 | 07/06/21 13:07 | 5       |
| PCB-1268 | ND     |           | 1.9 | 0.90 | mg/Kg | ☆ | 07/01/21 15:01 | 07/06/21 13:07 | 5       |

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| Tetrachloro-m-xylene   | 114       |           | 60 - 154 | 07/01/21 15:01 | 07/06/21 13:07 | 5       |
| Tetrachloro-m-xylene   | 111       |           | 60 - 154 | 07/01/21 15:01 | 07/06/21 13:07 | 5       |
| DCB Decachlorobiphenyl | 117       |           | 65 - 174 | 07/01/21 15:01 | 07/06/21 13:07 | 5       |
| DCB Decachlorobiphenyl | 149       |           | 65 - 174 | 07/01/21 15:01 | 07/06/21 13:07 | 5       |

## Method: 6010C - Metals (ICP)

| Analyte   | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| Aluminum  | 11200  |           | 19.0 | 8.3   | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 20:03 | 1       |
| Antimony  | ND     |           | 28.5 | 0.76  | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 20:03 | 1       |
| Arsenic   | 6.7    |           | 3.8  | 0.76  | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 20:03 | 1       |
| Barium    | 209    | ^6+       | 0.95 | 0.21  | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 20:03 | 1       |
| Beryllium | 0.57   |           | 0.38 | 0.053 | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 20:03 | 1       |
| Cadmium   | 5.9    |           | 0.38 | 0.057 | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 20:03 | 1       |
| Calcium   | 21800  | B         | 94.8 | 6.3   | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 20:03 | 1       |
| Chromium  | 155    |           | 0.95 | 0.38  | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 20:03 | 1       |
| Cobalt    | 14.4   |           | 0.95 | 0.095 | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 20:03 | 1       |
| Copper    | 106    |           | 1.9  | 0.40  | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 20:03 | 1       |
| Iron      | 28700  |           | 19.0 | 6.6   | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 20:03 | 1       |
| Lead      | 1060   | B         | 1.9  | 0.46  | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 20:03 | 1       |
| Magnesium | 10200  |           | 37.9 | 1.8   | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 20:03 | 1       |
| Manganese | 231    | B         | 0.38 | 0.061 | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 20:03 | 1       |
| Nickel    | 92.1   |           | 9.5  | 0.44  | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 20:03 | 1       |
| Potassium | 2200   |           | 56.9 | 37.9  | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 20:03 | 1       |
| Selenium  | 2.7    | J         | 7.6  | 0.76  | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 20:03 | 1       |
| Silver    | 4.8    |           | 1.1  | 0.38  | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 20:03 | 1       |
| Sodium    | 206    | J         | 266  | 24.7  | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 20:03 | 1       |
| Thallium  | ND     |           | 11.4 | 0.57  | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 20:03 | 1       |
| Vanadium  | 44.9   |           | 0.95 | 0.21  | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 20:03 | 1       |
| Zinc      | 1590   |           | 3.8  | 1.2   | mg/Kg | ☆ | 06/30/21 15:01 | 07/01/21 20:03 | 1       |

## Method: 7471B - Mercury (CVAA)

| Analyte | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| Mercury | 1.3    |           | 0.11 | 0.026 | mg/Kg | ☆ | 07/01/21 13:35 | 07/01/21 16:12 | 1       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186368-1

Client Sample ID: FB-SS-03-210622

Lab Sample ID: 480-186368-15

Date Collected: 06/22/21 07:00

Matrix: Water

Date Received: 06/22/21 12:15

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

| Analyte                       | Result | Qualifier | RL  | MDL  | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|--------|-----------|-----|------|------|---|----------------|----------------|---------|
| Biphenyl                      | ND     |           | 5.0 | 0.65 | ug/L |   | 06/27/21 09:30 | 07/02/21 07:57 | 1       |
| bis (2-chloroisopropyl) ether | ND     |           | 5.0 | 0.52 | ug/L |   | 06/27/21 09:30 | 07/02/21 07:57 | 1       |
| 2,4,5-Trichlorophenol         | ND     |           | 5.0 | 0.48 | ug/L |   | 06/27/21 09:30 | 07/02/21 07:57 | 1       |
| 2,4,6-Trichlorophenol         | ND     |           | 5.0 | 0.61 | ug/L |   | 06/27/21 09:30 | 07/02/21 07:57 | 1       |
| 2,4-Dichlorophenol            | ND     |           | 5.0 | 0.51 | ug/L |   | 06/27/21 09:30 | 07/02/21 07:57 | 1       |
| 2,4-Dimethylphenol            | ND     |           | 5.0 | 0.50 | ug/L |   | 06/27/21 09:30 | 07/02/21 07:57 | 1       |
| 2,4-Dinitrophenol             | ND     |           | 10  | 2.2  | ug/L |   | 06/27/21 09:30 | 07/02/21 07:57 | 1       |
| 2,4-Dinitrotoluene            | ND     |           | 5.0 | 0.45 | ug/L |   | 06/27/21 09:30 | 07/02/21 07:57 | 1       |
| 2,6-Dinitrotoluene            | ND     |           | 5.0 | 0.40 | ug/L |   | 06/27/21 09:30 | 07/02/21 07:57 | 1       |
| 2-Chloronaphthalene           | ND     |           | 5.0 | 0.46 | ug/L |   | 06/27/21 09:30 | 07/02/21 07:57 | 1       |
| 2-Chlorophenol                | ND     |           | 5.0 | 0.53 | ug/L |   | 06/27/21 09:30 | 07/02/21 07:57 | 1       |
| 2-Methylnaphthalene           | ND     |           | 5.0 | 0.60 | ug/L |   | 06/27/21 09:30 | 07/02/21 07:57 | 1       |
| 2-Methylphenol                | ND     |           | 5.0 | 0.40 | ug/L |   | 06/27/21 09:30 | 07/02/21 07:57 | 1       |
| 2-Nitroaniline                | ND     |           | 10  | 0.42 | ug/L |   | 06/27/21 09:30 | 07/02/21 07:57 | 1       |
| 2-Nitrophenol                 | ND     |           | 5.0 | 0.48 | ug/L |   | 06/27/21 09:30 | 07/02/21 07:57 | 1       |
| 3,3'-Dichlorobenzidine        | ND     |           | 5.0 | 0.40 | ug/L |   | 06/27/21 09:30 | 07/02/21 07:57 | 1       |
| 3-Nitroaniline                | ND     |           | 10  | 0.48 | ug/L |   | 06/27/21 09:30 | 07/02/21 07:57 | 1       |
| 4,6-Dinitro-2-methylphenol    | ND     |           | 10  | 2.2  | ug/L |   | 06/27/21 09:30 | 07/02/21 07:57 | 1       |
| 4-Bromophenyl phenyl ether    | ND     |           | 5.0 | 0.45 | ug/L |   | 06/27/21 09:30 | 07/02/21 07:57 | 1       |
| 4-Chloro-3-methylphenol       | ND     |           | 5.0 | 0.45 | ug/L |   | 06/27/21 09:30 | 07/02/21 07:57 | 1       |
| 4-Chloroaniline               | ND     |           | 5.0 | 0.59 | ug/L |   | 06/27/21 09:30 | 07/02/21 07:57 | 1       |
| 4-Chlorophenyl phenyl ether   | ND     |           | 5.0 | 0.35 | ug/L |   | 06/27/21 09:30 | 07/02/21 07:57 | 1       |
| 4-Methylphenol                | ND     |           | 10  | 0.36 | ug/L |   | 06/27/21 09:30 | 07/02/21 07:57 | 1       |
| 4-Nitroaniline                | ND     |           | 10  | 0.25 | ug/L |   | 06/27/21 09:30 | 07/02/21 07:57 | 1       |
| 4-Nitrophenol                 | ND     |           | 10  | 1.5  | ug/L |   | 06/27/21 09:30 | 07/02/21 07:57 | 1       |
| Acenaphthene                  | ND     |           | 5.0 | 0.41 | ug/L |   | 06/27/21 09:30 | 07/02/21 07:57 | 1       |
| Acenaphthylene                | ND     |           | 5.0 | 0.38 | ug/L |   | 06/27/21 09:30 | 07/02/21 07:57 | 1       |
| Acetophenone                  | ND     |           | 5.0 | 0.54 | ug/L |   | 06/27/21 09:30 | 07/02/21 07:57 | 1       |
| Anthracene                    | ND     |           | 5.0 | 0.28 | ug/L |   | 06/27/21 09:30 | 07/02/21 07:57 | 1       |
| Atrazine                      | ND     |           | 5.0 | 0.46 | ug/L |   | 06/27/21 09:30 | 07/02/21 07:57 | 1       |
| Benzaldehyde                  | ND     |           | 5.0 | 0.27 | ug/L |   | 06/27/21 09:30 | 07/02/21 07:57 | 1       |
| Benzo(a)anthracene            | ND     |           | 5.0 | 0.36 | ug/L |   | 06/27/21 09:30 | 07/02/21 07:57 | 1       |
| Benzo(a)pyrene                | ND     |           | 5.0 | 0.47 | ug/L |   | 06/27/21 09:30 | 07/02/21 07:57 | 1       |
| Benzo(b)fluoranthene          | ND     |           | 5.0 | 0.34 | ug/L |   | 06/27/21 09:30 | 07/02/21 07:57 | 1       |
| Benzo(g,h,i)perylene          | ND     |           | 5.0 | 0.35 | ug/L |   | 06/27/21 09:30 | 07/02/21 07:57 | 1       |
| Benzo(k)fluoranthene          | ND     |           | 5.0 | 0.73 | ug/L |   | 06/27/21 09:30 | 07/02/21 07:57 | 1       |
| Bis(2-chloroethoxy)methane    | ND     |           | 5.0 | 0.35 | ug/L |   | 06/27/21 09:30 | 07/02/21 07:57 | 1       |
| Bis(2-chloroethyl)ether       | ND     |           | 5.0 | 0.40 | ug/L |   | 06/27/21 09:30 | 07/02/21 07:57 | 1       |
| Bis(2-ethylhexyl) phthalate   | ND     |           | 5.0 | 2.2  | ug/L |   | 06/27/21 09:30 | 07/02/21 07:57 | 1       |
| Butyl benzyl phthalate        | ND     |           | 5.0 | 1.0  | ug/L |   | 06/27/21 09:30 | 07/02/21 07:57 | 1       |
| Caprolactam                   | ND     |           | 5.0 | 2.2  | ug/L |   | 06/27/21 09:30 | 07/02/21 07:57 | 1       |
| Carbazole                     | ND     | +         | 5.0 | 0.30 | ug/L |   | 06/27/21 09:30 | 07/02/21 07:57 | 1       |
| Chrysene                      | ND     |           | 5.0 | 0.33 | ug/L |   | 06/27/21 09:30 | 07/02/21 07:57 | 1       |
| Di-n-butyl phthalate          | 19     | B         | 5.0 | 0.31 | ug/L |   | 06/27/21 09:30 | 07/02/21 07:57 | 1       |
| Di-n-octyl phthalate          | ND     |           | 5.0 | 0.47 | ug/L |   | 06/27/21 09:30 | 07/02/21 07:57 | 1       |
| Dibenz(a,h)anthracene         | ND     |           | 5.0 | 0.42 | ug/L |   | 06/27/21 09:30 | 07/02/21 07:57 | 1       |
| Dibenzofuran                  | ND     |           | 10  | 0.51 | ug/L |   | 06/27/21 09:30 | 07/02/21 07:57 | 1       |
| Diethyl phthalate             | ND     |           | 5.0 | 0.22 | ug/L |   | 06/27/21 09:30 | 07/02/21 07:57 | 1       |
| Dimethyl phthalate            | ND     |           | 5.0 | 0.36 | ug/L |   | 06/27/21 09:30 | 07/02/21 07:57 | 1       |

Eurofins TestAmerica, Buffalo



# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186368-1

Client Sample ID: FB-SS-03-210622

Lab Sample ID: 480-186368-15

Date Collected: 06/22/21 07:00

Matrix: Water

Date Received: 06/22/21 12:15

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

| Analyte                   | Result | Qualifier | RL  | MDL  | Unit | D | Prepared       | Analyzed       | Dil Fac |
|---------------------------|--------|-----------|-----|------|------|---|----------------|----------------|---------|
| Fluoranthene              | ND     |           | 5.0 | 0.40 | ug/L |   | 06/27/21 09:30 | 07/02/21 07:57 | 1       |
| Fluorene                  | ND     |           | 5.0 | 0.36 | ug/L |   | 06/27/21 09:30 | 07/02/21 07:57 | 1       |
| Hexachlorobenzene         | ND     |           | 5.0 | 0.51 | ug/L |   | 06/27/21 09:30 | 07/02/21 07:57 | 1       |
| Hexachlorobutadiene       | ND     |           | 5.0 | 0.68 | ug/L |   | 06/27/21 09:30 | 07/02/21 07:57 | 1       |
| Hexachlorocyclopentadiene | ND     |           | 5.0 | 0.59 | ug/L |   | 06/27/21 09:30 | 07/02/21 07:57 | 1       |
| Hexachloroethane          | ND     |           | 5.0 | 0.59 | ug/L |   | 06/27/21 09:30 | 07/02/21 07:57 | 1       |
| Indeno(1,2,3-cd)pyrene    | ND     |           | 5.0 | 0.47 | ug/L |   | 06/27/21 09:30 | 07/02/21 07:57 | 1       |
| Isophorone                | ND     |           | 5.0 | 0.43 | ug/L |   | 06/27/21 09:30 | 07/02/21 07:57 | 1       |
| N-Nitrosodi-n-propylamine | ND     |           | 5.0 | 0.54 | ug/L |   | 06/27/21 09:30 | 07/02/21 07:57 | 1       |
| N-Nitrosodiphenylamine    | ND     |           | 5.0 | 0.51 | ug/L |   | 06/27/21 09:30 | 07/02/21 07:57 | 1       |
| Naphthalene               | ND     |           | 5.0 | 0.76 | ug/L |   | 06/27/21 09:30 | 07/02/21 07:57 | 1       |
| Nitrobenzene              | ND     |           | 5.0 | 0.29 | ug/L |   | 06/27/21 09:30 | 07/02/21 07:57 | 1       |
| Pentachlorophenol         | ND     |           | 10  | 2.2  | ug/L |   | 06/27/21 09:30 | 07/02/21 07:57 | 1       |
| Phenanthrene              | ND     |           | 5.0 | 0.44 | ug/L |   | 06/27/21 09:30 | 07/02/21 07:57 | 1       |
| Phenol                    | ND     |           | 5.0 | 0.39 | ug/L |   | 06/27/21 09:30 | 07/02/21 07:57 | 1       |
| Pyrene                    | ND     |           | 5.0 | 0.34 | ug/L |   | 06/27/21 09:30 | 07/02/21 07:57 | 1       |
| Benzoic acid              | ND     |           | 150 | 100  | ug/L |   | 06/27/21 09:30 | 07/02/21 07:57 | 1       |

| Surrogate            | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 2,4,6-Tribromophenol | 90        |           | 41 - 120 | 06/27/21 09:30 | 07/02/21 07:57 | 1       |
| 2-Fluorobiphenyl     | 94        |           | 48 - 120 | 06/27/21 09:30 | 07/02/21 07:57 | 1       |
| 2-Fluorophenol       | 66        |           | 35 - 120 | 06/27/21 09:30 | 07/02/21 07:57 | 1       |
| Nitrobenzene-d5      | 84        |           | 46 - 120 | 06/27/21 09:30 | 07/02/21 07:57 | 1       |
| p-Terphenyl-d14      | 107       |           | 60 - 148 | 06/27/21 09:30 | 07/02/21 07:57 | 1       |
| Phenol-d5            | 46        |           | 22 - 120 | 06/27/21 09:30 | 07/02/21 07:57 | 1       |

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

| Analyte                       | Result | Qualifier | RL  | MDL  | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|--------|-----------|-----|------|------|---|----------------|----------------|---------|
| Biphenyl                      | ND     | H         | 5.0 | 0.65 | ug/L |   | 07/07/21 15:58 | 07/09/21 19:16 | 1       |
| bis (2-chloroisopropyl) ether | ND     | H         | 5.0 | 0.52 | ug/L |   | 07/07/21 15:58 | 07/09/21 19:16 | 1       |
| 2,4,5-Trichlorophenol         | ND     | H         | 5.0 | 0.48 | ug/L |   | 07/07/21 15:58 | 07/09/21 19:16 | 1       |
| 2,4,6-Trichlorophenol         | ND     | H         | 5.0 | 0.61 | ug/L |   | 07/07/21 15:58 | 07/09/21 19:16 | 1       |
| 2,4-Dichlorophenol            | ND     | H         | 5.0 | 0.51 | ug/L |   | 07/07/21 15:58 | 07/09/21 19:16 | 1       |
| 2,4-Dimethylphenol            | ND     | H         | 5.0 | 0.50 | ug/L |   | 07/07/21 15:58 | 07/09/21 19:16 | 1       |
| 2,4-Dinitrophenol             | ND     | H         | 10  | 2.2  | ug/L |   | 07/07/21 15:58 | 07/09/21 19:16 | 1       |
| 2,4-Dinitrotoluene            | ND     | H         | 5.0 | 0.45 | ug/L |   | 07/07/21 15:58 | 07/09/21 19:16 | 1       |
| 2,6-Dinitrotoluene            | ND     | H         | 5.0 | 0.40 | ug/L |   | 07/07/21 15:58 | 07/09/21 19:16 | 1       |
| 2-Chloronaphthalene           | ND     | H         | 5.0 | 0.46 | ug/L |   | 07/07/21 15:58 | 07/09/21 19:16 | 1       |
| 2-Chlorophenol                | ND     | H         | 5.0 | 0.53 | ug/L |   | 07/07/21 15:58 | 07/09/21 19:16 | 1       |
| 2-Methylnaphthalene           | ND     | H         | 5.0 | 0.60 | ug/L |   | 07/07/21 15:58 | 07/09/21 19:16 | 1       |
| 2-Methylphenol                | ND     | H         | 5.0 | 0.40 | ug/L |   | 07/07/21 15:58 | 07/09/21 19:16 | 1       |
| 2-Nitroaniline                | ND     | H         | 10  | 0.42 | ug/L |   | 07/07/21 15:58 | 07/09/21 19:16 | 1       |
| 2-Nitrophenol                 | ND     | H         | 5.0 | 0.48 | ug/L |   | 07/07/21 15:58 | 07/09/21 19:16 | 1       |
| 3,3'-Dichlorobenzidine        | ND     | H         | 5.0 | 0.40 | ug/L |   | 07/07/21 15:58 | 07/09/21 19:16 | 1       |
| 3-Nitroaniline                | ND     | H         | 10  | 0.48 | ug/L |   | 07/07/21 15:58 | 07/09/21 19:16 | 1       |
| 4,6-Dinitro-2-methylphenol    | ND     | H         | 10  | 2.2  | ug/L |   | 07/07/21 15:58 | 07/09/21 19:16 | 1       |
| 4-Bromophenyl phenyl ether    | ND     | H         | 5.0 | 0.45 | ug/L |   | 07/07/21 15:58 | 07/09/21 19:16 | 1       |
| 4-Chloro-3-methylphenol       | ND     | H         | 5.0 | 0.45 | ug/L |   | 07/07/21 15:58 | 07/09/21 19:16 | 1       |
| 4-Chloroaniline               | ND     | H         | 5.0 | 0.59 | ug/L |   | 07/07/21 15:58 | 07/09/21 19:16 | 1       |
| 4-Chlorophenyl phenyl ether   | ND     | H         | 5.0 | 0.35 | ug/L |   | 07/07/21 15:58 | 07/09/21 19:16 | 1       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186368-1

Client Sample ID: FB-SS-03-210622

Lab Sample ID: 480-186368-15

Date Collected: 06/22/21 07:00

Matrix: Water

Date Received: 06/22/21 12:15

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

| Analyte                     | Result | Qualifier | RL  | MDL  | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|--------|-----------|-----|------|------|---|----------------|----------------|---------|
| 4-Methylphenol              | ND     | H         | 10  | 0.36 | ug/L |   | 07/07/21 15:58 | 07/09/21 19:16 | 1       |
| 4-Nitroaniline              | ND     | H         | 10  | 0.25 | ug/L |   | 07/07/21 15:58 | 07/09/21 19:16 | 1       |
| 4-Nitrophenol               | ND     | H         | 10  | 1.5  | ug/L |   | 07/07/21 15:58 | 07/09/21 19:16 | 1       |
| Acenaphthene                | ND     | H         | 5.0 | 0.41 | ug/L |   | 07/07/21 15:58 | 07/09/21 19:16 | 1       |
| Acenaphthylene              | ND     | H         | 5.0 | 0.38 | ug/L |   | 07/07/21 15:58 | 07/09/21 19:16 | 1       |
| Acetophenone                | ND     | H         | 5.0 | 0.54 | ug/L |   | 07/07/21 15:58 | 07/09/21 19:16 | 1       |
| Anthracene                  | ND     | H         | 5.0 | 0.28 | ug/L |   | 07/07/21 15:58 | 07/09/21 19:16 | 1       |
| Atrazine                    | ND     | H         | 5.0 | 0.46 | ug/L |   | 07/07/21 15:58 | 07/09/21 19:16 | 1       |
| Benzaldehyde                | ND     | H         | 5.0 | 0.27 | ug/L |   | 07/07/21 15:58 | 07/09/21 19:16 | 1       |
| Benzo(a)anthracene          | ND     | H         | 5.0 | 0.36 | ug/L |   | 07/07/21 15:58 | 07/09/21 19:16 | 1       |
| Benzo(a)pyrene              | ND     | H         | 5.0 | 0.47 | ug/L |   | 07/07/21 15:58 | 07/09/21 19:16 | 1       |
| Benzo(b)fluoranthene        | ND     | H         | 5.0 | 0.34 | ug/L |   | 07/07/21 15:58 | 07/09/21 19:16 | 1       |
| Benzo(g,h,i)perylene        | ND     | H         | 5.0 | 0.35 | ug/L |   | 07/07/21 15:58 | 07/09/21 19:16 | 1       |
| Benzo(k)fluoranthene        | ND     | H         | 5.0 | 0.73 | ug/L |   | 07/07/21 15:58 | 07/09/21 19:16 | 1       |
| Bis(2-chloroethoxy)methane  | ND     | H         | 5.0 | 0.35 | ug/L |   | 07/07/21 15:58 | 07/09/21 19:16 | 1       |
| Bis(2-chloroethyl)ether     | ND     | H         | 5.0 | 0.40 | ug/L |   | 07/07/21 15:58 | 07/09/21 19:16 | 1       |
| Bis(2-ethylhexyl) phthalate | ND     | H         | 5.0 | 2.2  | ug/L |   | 07/07/21 15:58 | 07/09/21 19:16 | 1       |
| Butyl benzyl phthalate      | ND     | H         | 5.0 | 1.0  | ug/L |   | 07/07/21 15:58 | 07/09/21 19:16 | 1       |
| Caprolactam                 | ND     | H         | 5.0 | 2.2  | ug/L |   | 07/07/21 15:58 | 07/09/21 19:16 | 1       |
| Carbazole                   | ND     | H         | 5.0 | 0.30 | ug/L |   | 07/07/21 15:58 | 07/09/21 19:16 | 1       |
| Chrysene                    | ND     | H         | 5.0 | 0.33 | ug/L |   | 07/07/21 15:58 | 07/09/21 19:16 | 1       |
| Di-n-butyl phthalate        | 0.43   | J H       | 5.0 | 0.31 | ug/L |   | 07/07/21 15:58 | 07/09/21 19:16 | 1       |
| Di-n-octyl phthalate        | ND     | H         | 5.0 | 0.47 | ug/L |   | 07/07/21 15:58 | 07/09/21 19:16 | 1       |
| Dibenz(a,h)anthracene       | ND     | H         | 5.0 | 0.42 | ug/L |   | 07/07/21 15:58 | 07/09/21 19:16 | 1       |
| Dibenzofuran                | ND     | H         | 10  | 0.51 | ug/L |   | 07/07/21 15:58 | 07/09/21 19:16 | 1       |
| Diethyl phthalate           | ND     | H         | 5.0 | 0.22 | ug/L |   | 07/07/21 15:58 | 07/09/21 19:16 | 1       |
| Dimethyl phthalate          | ND     | H         | 5.0 | 0.36 | ug/L |   | 07/07/21 15:58 | 07/09/21 19:16 | 1       |
| Fluoranthene                | ND     | H         | 5.0 | 0.40 | ug/L |   | 07/07/21 15:58 | 07/09/21 19:16 | 1       |
| Fluorene                    | ND     | H         | 5.0 | 0.36 | ug/L |   | 07/07/21 15:58 | 07/09/21 19:16 | 1       |
| Hexachlorobenzene           | ND     | H         | 5.0 | 0.51 | ug/L |   | 07/07/21 15:58 | 07/09/21 19:16 | 1       |
| Hexachlorobutadiene         | ND     | H         | 5.0 | 0.68 | ug/L |   | 07/07/21 15:58 | 07/09/21 19:16 | 1       |
| Hexachlorocyclopentadiene   | ND     | H         | 5.0 | 0.59 | ug/L |   | 07/07/21 15:58 | 07/09/21 19:16 | 1       |
| Hexachloroethane            | ND     | H         | 5.0 | 0.59 | ug/L |   | 07/07/21 15:58 | 07/09/21 19:16 | 1       |
| Indeno(1,2,3-cd)pyrene      | ND     | H         | 5.0 | 0.47 | ug/L |   | 07/07/21 15:58 | 07/09/21 19:16 | 1       |
| Isophorone                  | ND     | H         | 5.0 | 0.43 | ug/L |   | 07/07/21 15:58 | 07/09/21 19:16 | 1       |
| N-Nitrosodi-n-propylamine   | ND     | H         | 5.0 | 0.54 | ug/L |   | 07/07/21 15:58 | 07/09/21 19:16 | 1       |
| N-Nitrosodiphenylamine      | ND     | H         | 5.0 | 0.51 | ug/L |   | 07/07/21 15:58 | 07/09/21 19:16 | 1       |
| Naphthalene                 | ND     | H         | 5.0 | 0.76 | ug/L |   | 07/07/21 15:58 | 07/09/21 19:16 | 1       |
| Nitrobenzene                | ND     | H         | 5.0 | 0.29 | ug/L |   | 07/07/21 15:58 | 07/09/21 19:16 | 1       |
| Pentachlorophenol           | ND     | H         | 10  | 2.2  | ug/L |   | 07/07/21 15:58 | 07/09/21 19:16 | 1       |
| Phenanthrene                | ND     | H         | 5.0 | 0.44 | ug/L |   | 07/07/21 15:58 | 07/09/21 19:16 | 1       |
| Phenol                      | ND     | H         | 5.0 | 0.39 | ug/L |   | 07/07/21 15:58 | 07/09/21 19:16 | 1       |
| Pyrene                      | ND     | H         | 5.0 | 0.34 | ug/L |   | 07/07/21 15:58 | 07/09/21 19:16 | 1       |
| Benzoic acid                | ND     | H         | 150 | 100  | ug/L |   | 07/07/21 15:58 | 07/09/21 19:16 | 1       |

| Surrogate            | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 2,4,6-Tribromophenol | 82        |           | 41 - 120 | 07/07/21 15:58 | 07/09/21 19:16 | 1       |
| 2-Fluorobiphenyl     | 99        |           | 48 - 120 | 07/07/21 15:58 | 07/09/21 19:16 | 1       |
| 2-Fluorophenol       | 72        |           | 35 - 120 | 07/07/21 15:58 | 07/09/21 19:16 | 1       |
| Nitrobenzene-d5      | 88        |           | 46 - 120 | 07/07/21 15:58 | 07/09/21 19:16 | 1       |

Eurofins TestAmerica, Buffalo



# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186368-1

Client Sample ID: FB-SS-03-210622

Lab Sample ID: 480-186368-15

Date Collected: 06/22/21 07:00

Matrix: Water

Date Received: 06/22/21 12:15

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

| Surrogate       | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------|-----------|-----------|----------|----------------|----------------|---------|
| p-Terphenyl-d14 | 105       |           | 60 - 148 | 07/07/21 15:58 | 07/09/21 19:16 | 1       |
| Phenol-d5       | 49        |           | 22 - 120 | 07/07/21 15:58 | 07/09/21 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 |   | 06/24/21 06:56 | 06/24/21 18:35 | 1       |
| 4,4'-DDE            | ND     |           | 0.050 | 0.012  | ug/L |   | 06/24/21 06:56 | 06/24/21 18:35 | 1       |
| 4,4'-DDT            | ND     |           | 0.050 | 0.011  | ug/L |   | 06/24/21 06:56 | 06/24/21 18:35 | 1       |
| Aldrin              | ND     |           | 0.050 | 0.0081 | ug/L |   | 06/24/21 06:56 | 06/24/21 18:35 | 1       |
| alpha-BHC           | ND     |           | 0.050 | 0.0077 | ug/L |   | 06/24/21 06:56 | 06/24/21 18:35 | 1       |
| cis-Chlordane       | ND     |           | 0.050 | 0.015  | ug/L |   | 06/24/21 06:56 | 06/24/21 18:35 | 1       |
| beta-BHC            | ND     |           | 0.050 | 0.025  | ug/L |   | 06/24/21 06:56 | 06/24/21 18:35 | 1       |
| delta-BHC           | ND     |           | 0.050 | 0.010  | ug/L |   | 06/24/21 06:56 | 06/24/21 18:35 | 1       |
| Dieldrin            | ND     |           | 0.050 | 0.0098 | ug/L |   | 06/24/21 06:56 | 06/24/21 18:35 | 1       |
| Endosulfan I        | ND     |           | 0.050 | 0.011  | ug/L |   | 06/24/21 06:56 | 06/24/21 18:35 | 1       |
| Endosulfan II       | ND     |           | 0.050 | 0.012  | ug/L |   | 06/24/21 06:56 | 06/24/21 18:35 | 1       |
| Endosulfan sulfate  | ND     |           | 0.050 | 0.016  | ug/L |   | 06/24/21 06:56 | 06/24/21 18:35 | 1       |
| Endrin              | ND     |           | 0.050 | 0.014  | ug/L |   | 06/24/21 06:56 | 06/24/21 18:35 | 1       |
| Endrin aldehyde     | 0.029  | J B       | 0.050 | 0.016  | ug/L |   | 06/24/21 06:56 | 06/24/21 18:35 | 1       |
| Endrin ketone       | ND     |           | 0.050 | 0.012  | ug/L |   | 06/24/21 06:56 | 06/24/21 18:35 | 1       |
| gamma-BHC (Lindane) | 0.012  | J B       | 0.050 | 0.0080 | ug/L |   | 06/24/21 06:56 | 06/24/21 18:35 | 1       |
| trans-Chlordane     | ND     |           | 0.050 | 0.011  | ug/L |   | 06/24/21 06:56 | 06/24/21 18:35 | 1       |
| Heptachlor          | ND     |           | 0.050 | 0.0085 | ug/L |   | 06/24/21 06:56 | 06/24/21 18:35 | 1       |
| Heptachlor epoxide  | ND     |           | 0.050 | 0.0074 | ug/L |   | 06/24/21 06:56 | 06/24/21 18:35 | 1       |
| Methoxychlor        | ND     |           | 0.050 | 0.014  | ug/L |   | 06/24/21 06:56 | 06/24/21 18:35 | 1       |
| Toxaphene           | ND     |           | 0.50  | 0.12   | ug/L |   | 06/24/21 06:56 | 06/24/21 18:35 | 1       |
| Mirex               | ND     |           | 0.050 | 0.0096 | ug/L |   | 06/24/21 06:56 | 06/24/21 18:35 | 1       |

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| DCB Decachlorobiphenyl | 42        |           | 20 - 120 | 06/24/21 06:56 | 06/24/21 18:35 | 1       |
| DCB Decachlorobiphenyl | 38        |           | 20 - 120 | 06/24/21 06:56 | 06/24/21 18:35 | 1       |
| Tetrachloro-m-xylene   | 91        |           | 44 - 120 | 06/24/21 06:56 | 06/24/21 18:35 | 1       |
| Tetrachloro-m-xylene   | 70        |           | 44 - 120 | 06/24/21 06:56 | 06/24/21 18:35 | 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 |   | 07/03/21 08:36 | 07/06/21 14:50 | 1       |
| PCB-1221 | ND     |           | 0.50 | 0.18 | ug/L |   | 07/03/21 08:36 | 07/06/21 14:50 | 1       |
| PCB-1232 | ND     |           | 0.50 | 0.18 | ug/L |   | 07/03/21 08:36 | 07/06/21 14:50 | 1       |
| PCB-1242 | ND     |           | 0.50 | 0.18 | ug/L |   | 07/03/21 08:36 | 07/06/21 14:50 | 1       |
| PCB-1248 | ND     |           | 0.50 | 0.18 | ug/L |   | 07/03/21 08:36 | 07/06/21 14:50 | 1       |
| PCB-1254 | ND     |           | 0.50 | 0.25 | ug/L |   | 07/03/21 08:36 | 07/06/21 14:50 | 1       |
| PCB-1260 | ND     |           | 0.50 | 0.25 | ug/L |   | 07/03/21 08:36 | 07/06/21 14:50 | 1       |
| PCB-1262 | ND     |           | 0.50 | 0.25 | ug/L |   | 07/03/21 08:36 | 07/06/21 14:50 | 1       |
| PCB-1268 | ND     |           | 0.50 | 0.25 | ug/L |   | 07/03/21 08:36 | 07/06/21 14:50 | 1       |

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| Tetrachloro-m-xylene   | 86        |           | 39 - 121 | 07/03/21 08:36 | 07/06/21 14:50 | 1       |
| Tetrachloro-m-xylene   | 82        |           | 39 - 121 | 07/03/21 08:36 | 07/06/21 14:50 | 1       |
| DCB Decachlorobiphenyl | 48        |           | 19 - 120 | 07/03/21 08:36 | 07/06/21 14:50 | 1       |

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# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186368-1

Client Sample ID: FB-SS-03-210622

Lab Sample ID: 480-186368-15

Date Collected: 06/22/21 07:00

Matrix: Water

Date Received: 06/22/21 12:15

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

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| DCB Decachlorobiphenyl | 45        |           | 19 - 120 | 07/03/21 08:36 | 07/06/21 14:50 | 1       |

## Method: 6010C - Metals (ICP) - Total Recoverable

| Analyte   | Result  | Qualifier | RL     | MDL     | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-----------|---------|-----------|--------|---------|------|---|----------------|----------------|---------|
| Aluminum  | ND      |           | 0.20   | 0.060   | mg/L |   | 06/23/21 16:46 | 06/24/21 20:48 | 1       |
| Antimony  | ND      |           | 0.020  | 0.0068  | mg/L |   | 06/23/21 16:46 | 06/24/21 20:48 | 1       |
| Arsenic   | ND      |           | 0.015  | 0.0056  | mg/L |   | 06/23/21 16:46 | 06/24/21 20:48 | 1       |
| Barium    | ND      |           | 0.0020 | 0.00070 | mg/L |   | 06/23/21 16:46 | 06/24/21 20:48 | 1       |
| Beryllium | ND      |           | 0.0020 | 0.00030 | mg/L |   | 06/23/21 16:46 | 06/24/21 20:48 | 1       |
| Cadmium   | ND      |           | 0.0020 | 0.00050 | mg/L |   | 06/23/21 16:46 | 06/24/21 20:48 | 1       |
| Calcium   | ND      |           | 0.50   | 0.10    | mg/L |   | 06/23/21 16:46 | 06/24/21 20:48 | 1       |
| Chromium  | ND      |           | 0.0040 | 0.0010  | mg/L |   | 06/23/21 16:46 | 06/24/21 20:48 | 1       |
| Cobalt    | ND      |           | 0.0040 | 0.00063 | mg/L |   | 06/23/21 16:46 | 06/24/21 20:48 | 1       |
| Copper    | ND      |           | 0.010  | 0.0016  | mg/L |   | 06/23/21 16:46 | 06/24/21 20:48 | 1       |
| Iron      | ND      |           | 0.050  | 0.019   | mg/L |   | 06/23/21 16:46 | 06/24/21 20:48 | 1       |
| Lead      | ND      |           | 0.010  | 0.0030  | mg/L |   | 06/23/21 16:46 | 06/24/21 20:48 | 1       |
| Magnesium | ND      |           | 0.20   | 0.043   | mg/L |   | 06/23/21 16:46 | 06/24/21 20:48 | 1       |
| Manganese | 0.00052 | J B       | 0.0030 | 0.00040 | mg/L |   | 06/23/21 16:46 | 06/24/21 20:48 | 1       |
| Nickel    | ND      |           | 0.010  | 0.0013  | mg/L |   | 06/23/21 16:46 | 06/24/21 20:48 | 1       |
| Potassium | ND      |           | 0.50   | 0.10    | mg/L |   | 06/23/21 16:46 | 06/24/21 20:48 | 1       |
| Selenium  | ND      |           | 0.025  | 0.0087  | mg/L |   | 06/23/21 16:46 | 06/24/21 20:48 | 1       |
| Silver    | ND      |           | 0.0060 | 0.0017  | mg/L |   | 06/23/21 16:46 | 06/24/21 20:48 | 1       |
| Sodium    | ND      |           | 1.0    | 0.32    | mg/L |   | 06/23/21 16:46 | 06/24/21 20:48 | 1       |
| Thallium  | ND      |           | 0.020  | 0.010   | mg/L |   | 06/23/21 16:46 | 06/24/21 20:48 | 1       |
| Vanadium  | ND      |           | 0.0050 | 0.0015  | mg/L |   | 06/23/21 16:46 | 06/24/21 20:48 | 1       |
| Zinc      | ND      |           | 0.010  | 0.0015  | mg/L |   | 06/23/21 16:46 | 06/24/21 20:48 | 1       |

## Method: 7470A - Mercury (CVAA)

| Analyte | Result | Qualifier | RL      | MDL      | Unit | D | Prepared       | Analyzed       | Dil Fac |
|---------|--------|-----------|---------|----------|------|---|----------------|----------------|---------|
| Mercury | ND     |           | 0.00020 | 0.000043 | mg/L |   | 06/29/21 13:21 | 06/29/21 17:37 | 1       |

# Lab Chronicle

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186368-1

**Client Sample ID: SS-58-0212**

**Lab Sample ID: 480-186368-1**

**Date Collected: 06/22/21 08:00**

**Matrix: Solid**

**Date Received: 06/22/21 12:15**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | Moisture     |     | 1               | 586473       | 06/22/21 16:06       | JMM     | TAL BUF |

**Client Sample ID: SS-58-0212**

**Lab Sample ID: 480-186368-1**

**Date Collected: 06/22/21 08:00**

**Matrix: Solid**

**Date Received: 06/22/21 12:15**

**Percent Solids: 84.7**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 3550C        |     |                 | 587525       | 06/30/21 07:50       | VXF     | TAL BUF |
| Total/NA  | Analysis   | 8270D        |     | 1               | 588134       | 07/06/21 21:46       | PJQ     | TAL BUF |
| Total/NA  | Prep       | 3550C        |     |                 | 587329       | 06/29/21 07:46       | VXF     | TAL BUF |
| Total/NA  | Analysis   | 8081B        |     | 1               | 587527       | 06/30/21 12:24       | JLS     | TAL BUF |
| Total/NA  | Prep       | 3550C        |     |                 | 587802       | 07/01/21 15:01       | ATG     | TAL BUF |
| Total/NA  | Analysis   | 8082A        |     | 1               | 588032       | 07/05/21 22:28       | NC      | TAL BUF |
| Total/NA  | Prep       | 3050B        |     |                 | 587621       | 06/30/21 15:01       | KMP     | TAL BUF |
| Total/NA  | Analysis   | 6010C        |     | 1               | 587900       | 07/01/21 18:38       | AMH     | TAL BUF |
| Total/NA  | Prep       | 7471B        |     |                 | 587658       | 07/01/21 13:35       | BMB     | TAL BUF |
| Total/NA  | Analysis   | 7471B        |     | 1               | 587820       | 07/01/21 15:43       | BMB     | TAL BUF |

**Client Sample ID: SS-02-0002**

**Lab Sample ID: 480-186368-2**

**Date Collected: 06/22/21 10:32**

**Matrix: Solid**

**Date Received: 06/22/21 12:15**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | Moisture     |     | 1               | 586473       | 06/22/21 16:06       | JMM     | TAL BUF |

**Client Sample ID: SS-02-0002**

**Lab Sample ID: 480-186368-2**

**Date Collected: 06/22/21 10:32**

**Matrix: Solid**

**Date Received: 06/22/21 12:15**

**Percent Solids: 42.6**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 3050B        |     |                 | 587621       | 06/30/21 15:01       | KMP     | TAL BUF |
| Total/NA  | Analysis   | 6010C        |     | 1               | 587900       | 07/01/21 18:42       | AMH     | TAL BUF |
| Total/NA  | Prep       | 3050B        |     |                 | 588232       | 07/07/21 09:52       | KMP     | TAL BUF |
| Total/NA  | Analysis   | 6010C        |     | 1               | 588393       | 07/08/21 02:39       | AMH     | TAL BUF |
| Total/NA  | Prep       | 7471B        |     |                 | 587658       | 07/01/21 13:35       | BMB     | TAL BUF |
| Total/NA  | Analysis   | 7471B        |     | 1               | 587820       | 07/01/21 15:47       | BMB     | TAL BUF |

**Client Sample ID: SS-04-0002**

**Lab Sample ID: 480-186368-3**

**Date Collected: 06/22/21 10:15**

**Matrix: Solid**

**Date Received: 06/22/21 12:15**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | Moisture     |     | 1               | 586473       | 06/22/21 16:06       | JMM     | TAL BUF |

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# Lab Chronicle

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186368-1

**Client Sample ID: SS-04-0002**

**Lab Sample ID: 480-186368-3**

**Date Collected: 06/22/21 10:15**

**Matrix: Solid**

**Date Received: 06/22/21 12:15**

**Percent Solids: 68.2**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 3550C        |     |                 | 587525       | 06/30/21 07:50       | VXF     | TAL BUF |
| Total/NA  | Analysis   | 8270D        |     | 1               | 588134       | 07/06/21 22:10       | PJQ     | TAL BUF |
| Total/NA  | Prep       | 3550C        |     |                 | 587329       | 06/29/21 07:46       | VXF     | TAL BUF |
| Total/NA  | Analysis   | 8081B        |     | 10              | 587697       | 07/01/21 08:54       | JLS     | TAL BUF |
| Total/NA  | Prep       | 3550C        |     |                 | 587802       | 07/01/21 15:01       | ATG     | TAL BUF |
| Total/NA  | Analysis   | 8082A        |     | 1               | 588032       | 07/05/21 22:41       | NC      | TAL BUF |
| Total/NA  | Prep       | 3050B        |     |                 | 587621       | 06/30/21 15:01       | KMP     | TAL BUF |
| Total/NA  | Analysis   | 6010C        |     | 1               | 587900       | 07/01/21 18:57       | AMH     | TAL BUF |
| Total/NA  | Prep       | 7471B        |     |                 | 587658       | 07/01/21 13:35       | BMB     | TAL BUF |
| Total/NA  | Analysis   | 7471B        |     | 1               | 587820       | 07/01/21 15:49       | BMB     | TAL BUF |

**Client Sample ID: SS-04-0212**

**Lab Sample ID: 480-186368-4**

**Date Collected: 06/22/21 10:20**

**Matrix: Solid**

**Date Received: 06/22/21 12:15**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | Moisture     |     | 1               | 586473       | 06/22/21 16:06       | JMM     | TAL BUF |

**Client Sample ID: SS-04-0212**

**Lab Sample ID: 480-186368-4**

**Date Collected: 06/22/21 10:20**

**Matrix: Solid**

**Date Received: 06/22/21 12:15**

**Percent Solids: 77.4**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 3550C        |     |                 | 587525       | 06/30/21 07:50       | VXF     | TAL BUF |
| Total/NA  | Analysis   | 8270D        |     | 5               | 588134       | 07/06/21 22:33       | PJQ     | TAL BUF |
| Total/NA  | Prep       | 3550C        |     |                 | 587329       | 06/29/21 07:46       | VXF     | TAL BUF |
| Total/NA  | Analysis   | 8081B        |     | 50              | 587527       | 06/30/21 13:03       | JLS     | TAL BUF |
| Total/NA  | Prep       | 3550C        |     |                 | 587802       | 07/01/21 15:01       | ATG     | TAL BUF |
| Total/NA  | Analysis   | 8082A        |     | 1               | 588032       | 07/05/21 22:54       | NC      | TAL BUF |
| Total/NA  | Prep       | 3050B        |     |                 | 587621       | 06/30/21 15:01       | KMP     | TAL BUF |
| Total/NA  | Analysis   | 6010C        |     | 1               | 587900       | 07/01/21 19:01       | AMH     | TAL BUF |
| Total/NA  | Prep       | 7471B        |     |                 | 587658       | 07/01/21 13:35       | BMB     | TAL BUF |
| Total/NA  | Analysis   | 7471B        |     | 1               | 587820       | 07/01/21 15:50       | BMB     | TAL BUF |

**Client Sample ID: SS-05-0002**

**Lab Sample ID: 480-186368-5**

**Date Collected: 06/22/21 10:00**

**Matrix: Solid**

**Date Received: 06/22/21 12:15**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | Moisture     |     | 1               | 586473       | 06/22/21 16:06       | JMM     | TAL BUF |

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# Lab Chronicle

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186368-1

**Client Sample ID: SS-05-0002**

**Lab Sample ID: 480-186368-5**

**Date Collected: 06/22/21 10:00**

**Matrix: Solid**

**Date Received: 06/22/21 12:15**

**Percent Solids: 43.0**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 3550C        |     |                 | 587525       | 06/30/21 07:50       | VXF     | TAL BUF |
| Total/NA  | Analysis   | 8270D        |     | 1               | 588134       | 07/06/21 22:57       | PJQ     | TAL BUF |
| Total/NA  | Prep       | 3550C        |     |                 | 587329       | 06/29/21 07:46       | VXF     | TAL BUF |
| Total/NA  | Analysis   | 8081B        |     | 1               | 587527       | 06/30/21 13:23       | JLS     | TAL BUF |
| Total/NA  | Prep       | 3550C        |     |                 | 587802       | 07/01/21 15:01       | ATG     | TAL BUF |
| Total/NA  | Analysis   | 8082A        |     | 1               | 588032       | 07/05/21 23:07       | NC      | TAL BUF |
| Total/NA  | Prep       | 3050B        |     |                 | 587621       | 06/30/21 15:01       | KMP     | TAL BUF |
| Total/NA  | Analysis   | 6010C        |     | 1               | 587900       | 07/01/21 19:04       | AMH     | TAL BUF |
| Total/NA  | Prep       | 7471B        |     |                 | 587658       | 07/01/21 13:35       | BMB     | TAL BUF |
| Total/NA  | Analysis   | 7471B        |     | 1               | 587820       | 07/01/21 15:51       | BMB     | TAL BUF |

**Client Sample ID: SS-05-0212**

**Lab Sample ID: 480-186368-6**

**Date Collected: 06/22/21 10:05**

**Matrix: Solid**

**Date Received: 06/22/21 12:15**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | Moisture     |     | 1               | 586473       | 06/22/21 16:06       | JMM     | TAL BUF |

**Client Sample ID: SS-05-0212**

**Lab Sample ID: 480-186368-6**

**Date Collected: 06/22/21 10:05**

**Matrix: Solid**

**Date Received: 06/22/21 12:15**

**Percent Solids: 68.3**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 3550C        |     |                 | 587525       | 06/30/21 07:50       | VXF     | TAL BUF |
| Total/NA  | Analysis   | 8270D        |     | 1               | 588134       | 07/06/21 23:21       | PJQ     | TAL BUF |
| Total/NA  | Prep       | 3550C        |     |                 | 587329       | 06/29/21 07:46       | VXF     | TAL BUF |
| Total/NA  | Analysis   | 8081B        |     | 1               | 587527       | 06/30/21 13:43       | JLS     | TAL BUF |
| Total/NA  | Prep       | 3550C        |     |                 | 587802       | 07/01/21 15:01       | ATG     | TAL BUF |
| Total/NA  | Analysis   | 8082A        |     | 1               | 588032       | 07/05/21 23:19       | NC      | TAL BUF |
| Total/NA  | Prep       | 3050B        |     |                 | 587621       | 06/30/21 15:01       | KMP     | TAL BUF |
| Total/NA  | Analysis   | 6010C        |     | 1               | 587900       | 07/01/21 19:08       | AMH     | TAL BUF |
| Total/NA  | Prep       | 3050B        |     |                 | 588232       | 07/07/21 09:52       | KMP     | TAL BUF |
| Total/NA  | Analysis   | 6010C        |     | 1               | 588393       | 07/08/21 02:43       | AMH     | TAL BUF |
| Total/NA  | Prep       | 7471B        |     |                 | 587658       | 07/01/21 13:35       | BMB     | TAL BUF |
| Total/NA  | Analysis   | 7471B        |     | 1               | 587820       | 07/01/21 15:52       | BMB     | TAL BUF |

**Client Sample ID: SS-06-0002**

**Lab Sample ID: 480-186368-7**

**Date Collected: 06/22/21 09:45**

**Matrix: Solid**

**Date Received: 06/22/21 12:15**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | Moisture     |     | 1               | 586473       | 06/22/21 16:06       | JMM     | TAL BUF |

Eurofins TestAmerica, Buffalo

# Lab Chronicle

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186368-1

**Client Sample ID: SS-06-0002**

**Lab Sample ID: 480-186368-7**

**Date Collected: 06/22/21 09:45**

**Matrix: Solid**

**Date Received: 06/22/21 12:15**

**Percent Solids: 70.7**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 3550C        |     |                 | 587525       | 06/30/21 07:50       | VXF     | TAL BUF |
| Total/NA  | Analysis   | 8270D        |     | 1               | 588134       | 07/06/21 23:44       | PJQ     | TAL BUF |
| Total/NA  | Prep       | 3550C        |     |                 | 587329       | 06/29/21 07:46       | VXF     | TAL BUF |
| Total/NA  | Analysis   | 8081B        |     | 1               | 587527       | 06/30/21 14:02       | JLS     | TAL BUF |
| Total/NA  | Prep       | 3550C        |     |                 | 587802       | 07/01/21 15:01       | ATG     | TAL BUF |
| Total/NA  | Analysis   | 8082A        |     | 1               | 588032       | 07/05/21 23:32       | NC      | TAL BUF |
| Total/NA  | Prep       | 3050B        |     |                 | 587621       | 06/30/21 15:01       | KMP     | TAL BUF |
| Total/NA  | Analysis   | 6010C        |     | 1               | 587900       | 07/01/21 19:12       | AMH     | TAL BUF |
| Total/NA  | Prep       | 3050B        |     |                 | 588232       | 07/07/21 09:52       | KMP     | TAL BUF |
| Total/NA  | Analysis   | 6010C        |     | 1               | 588393       | 07/08/21 02:46       | AMH     | TAL BUF |
| Total/NA  | Prep       | 7471B        |     |                 | 587660       | 07/01/21 13:35       | BMB     | TAL BUF |
| Total/NA  | Analysis   | 7471B        |     | 1               | 587820       | 07/01/21 15:56       | BMB     | TAL BUF |

**Client Sample ID: SS-06-0212**

**Lab Sample ID: 480-186368-8**

**Date Collected: 06/22/21 09:50**

**Matrix: Solid**

**Date Received: 06/22/21 12:15**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | Moisture     |     | 1               | 586473       | 06/22/21 16:06       | JMM     | TAL BUF |

**Client Sample ID: SS-06-0212**

**Lab Sample ID: 480-186368-8**

**Date Collected: 06/22/21 09:50**

**Matrix: Solid**

**Date Received: 06/22/21 12:15**

**Percent Solids: 75.5**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 3550C        |     |                 | 587525       | 06/30/21 07:50       | VXF     | TAL BUF |
| Total/NA  | Analysis   | 8270D        |     | 1               | 588134       | 07/07/21 00:08       | PJQ     | TAL BUF |
| Total/NA  | Prep       | 3550C        |     |                 | 587329       | 06/29/21 07:46       | VXF     | TAL BUF |
| Total/NA  | Analysis   | 8081B        |     | 1               | 587527       | 06/30/21 14:22       | JLS     | TAL BUF |
| Total/NA  | Prep       | 3550C        |     |                 | 587802       | 07/01/21 15:01       | ATG     | TAL BUF |
| Total/NA  | Analysis   | 8082A        |     | 1               | 588032       | 07/05/21 23:45       | NC      | TAL BUF |
| Total/NA  | Prep       | 3050B        |     |                 | 587621       | 06/30/21 15:01       | KMP     | TAL BUF |
| Total/NA  | Analysis   | 6010C        |     | 1               | 587900       | 07/01/21 19:15       | AMH     | TAL BUF |
| Total/NA  | Prep       | 3050B        |     |                 | 588232       | 07/07/21 09:52       | KMP     | TAL BUF |
| Total/NA  | Analysis   | 6010C        |     | 1               | 588393       | 07/08/21 02:50       | AMH     | TAL BUF |
| Total/NA  | Prep       | 7471B        |     |                 | 587660       | 07/01/21 13:35       | BMB     | TAL BUF |
| Total/NA  | Analysis   | 7471B        |     | 1               | 587820       | 07/01/21 15:58       | BMB     | TAL BUF |

**Client Sample ID: SS-07-0002**

**Lab Sample ID: 480-186368-9**

**Date Collected: 06/22/21 09:20**

**Matrix: Solid**

**Date Received: 06/22/21 12:15**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | Moisture     |     | 1               | 586473       | 06/22/21 16:06       | JMM     | TAL BUF |

Eurofins TestAmerica, Buffalo

# Lab Chronicle

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186368-1

**Client Sample ID: SS-07-0002**

**Lab Sample ID: 480-186368-9**

**Date Collected: 06/22/21 09:20**

**Matrix: Solid**

**Date Received: 06/22/21 12:15**

**Percent Solids: 77.1**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 3550C        |     |                 | 587525       | 06/30/21 07:50       | VXF     | TAL BUF |
| Total/NA  | Analysis   | 8270D        |     | 1               | 588134       | 07/07/21 00:32       | PJQ     | TAL BUF |
| Total/NA  | Prep       | 3550C        |     |                 | 587329       | 06/29/21 07:46       | VXF     | TAL BUF |
| Total/NA  | Analysis   | 8081B        |     | 1               | 587527       | 06/30/21 14:42       | JLS     | TAL BUF |
| Total/NA  | Prep       | 3550C        |     |                 | 587802       | 07/01/21 15:01       | ATG     | TAL BUF |
| Total/NA  | Analysis   | 8082A        |     | 1               | 588032       | 07/05/21 23:58       | NC      | TAL BUF |
| Total/NA  | Prep       | 3050B        |     |                 | 587621       | 06/30/21 15:01       | KMP     | TAL BUF |
| Total/NA  | Analysis   | 6010C        |     | 1               | 587900       | 07/01/21 19:19       | AMH     | TAL BUF |
| Total/NA  | Prep       | 7471B        |     |                 | 587660       | 07/01/21 13:35       | BMB     | TAL BUF |
| Total/NA  | Analysis   | 7471B        |     | 1               | 587820       | 07/01/21 15:59       | BMB     | TAL BUF |

**Client Sample ID: SS-07-0212**

**Lab Sample ID: 480-186368-10**

**Date Collected: 06/22/21 09:25**

**Matrix: Solid**

**Date Received: 06/22/21 12:15**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | Moisture     |     | 1               | 586473       | 06/22/21 16:06       | JMM     | TAL BUF |

**Client Sample ID: SS-07-0212**

**Lab Sample ID: 480-186368-10**

**Date Collected: 06/22/21 09:25**

**Matrix: Solid**

**Date Received: 06/22/21 12:15**

**Percent Solids: 79.8**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 3550C        |     |                 | 587525       | 06/30/21 07:50       | VXF     | TAL BUF |
| Total/NA  | Analysis   | 8270D        |     | 1               | 588134       | 07/07/21 00:55       | PJQ     | TAL BUF |
| Total/NA  | Prep       | 3550C        |     |                 | 587329       | 06/29/21 07:46       | VXF     | TAL BUF |
| Total/NA  | Analysis   | 8081B        |     | 1               | 587527       | 06/30/21 15:01       | JLS     | TAL BUF |
| Total/NA  | Prep       | 3550C        |     |                 | 587802       | 07/01/21 15:01       | ATG     | TAL BUF |
| Total/NA  | Analysis   | 8082A        |     | 1               | 588032       | 07/06/21 00:11       | NC      | TAL BUF |
| Total/NA  | Prep       | 3050B        |     |                 | 587621       | 06/30/21 15:01       | KMP     | TAL BUF |
| Total/NA  | Analysis   | 6010C        |     | 1               | 587900       | 07/01/21 19:23       | AMH     | TAL BUF |
| Total/NA  | Prep       | 7471B        |     |                 | 587660       | 07/01/21 13:35       | BMB     | TAL BUF |
| Total/NA  | Analysis   | 7471B        |     | 1               | 587820       | 07/01/21 16:03       | BMB     | TAL BUF |

**Client Sample ID: SS-08-0002**

**Lab Sample ID: 480-186368-11**

**Date Collected: 06/22/21 09:00**

**Matrix: Solid**

**Date Received: 06/22/21 12:15**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | Moisture     |     | 1               | 586473       | 06/22/21 16:06       | JMM     | TAL BUF |



# Lab Chronicle

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186368-1

**Client Sample ID: SS-08-0002**

**Lab Sample ID: 480-186368-11**

**Date Collected: 06/22/21 09:00**

**Matrix: Solid**

**Date Received: 06/22/21 12:15**

**Percent Solids: 60.3**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 3550C        |     |                 | 587525       | 06/30/21 07:50       | VXF     | TAL BUF |
| Total/NA  | Analysis   | 8270D        |     | 1               | 588134       | 07/07/21 01:19       | PJQ     | TAL BUF |
| Total/NA  | Prep       | 3550C        |     |                 | 587329       | 06/29/21 07:46       | VXF     | TAL BUF |
| Total/NA  | Analysis   | 8081B        |     | 1               | 587527       | 06/30/21 15:21       | JLS     | TAL BUF |
| Total/NA  | Prep       | 3550C        |     |                 | 587802       | 07/01/21 15:01       | ATG     | TAL BUF |
| Total/NA  | Analysis   | 8082A        |     | 1               | 588032       | 07/06/21 00:24       | NC      | TAL BUF |
| Total/NA  | Prep       | 3050B        |     |                 | 587621       | 06/30/21 15:01       | KMP     | TAL BUF |
| Total/NA  | Analysis   | 6010C        |     | 1               | 587900       | 07/01/21 19:27       | AMH     | TAL BUF |
| Total/NA  | Prep       | 7471B        |     |                 | 587660       | 07/01/21 13:35       | BMB     | TAL BUF |
| Total/NA  | Analysis   | 7471B        |     | 1               | 587820       | 07/01/21 16:04       | BMB     | TAL BUF |

**Client Sample ID: SS-08-0212**

**Lab Sample ID: 480-186368-12**

**Date Collected: 06/22/21 09:05**

**Matrix: Solid**

**Date Received: 06/22/21 12:15**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | Moisture     |     | 1               | 586473       | 06/22/21 16:06       | JMM     | TAL BUF |

**Client Sample ID: SS-08-0212**

**Lab Sample ID: 480-186368-12**

**Date Collected: 06/22/21 09:05**

**Matrix: Solid**

**Date Received: 06/22/21 12:15**

**Percent Solids: 81.4**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 3550C        |     |                 | 587525       | 06/30/21 07:50       | VXF     | TAL BUF |
| Total/NA  | Analysis   | 8270D        |     | 1               | 588134       | 07/07/21 01:43       | PJQ     | TAL BUF |
| Total/NA  | Prep       | 3550C        |     |                 | 587329       | 06/29/21 07:46       | VXF     | TAL BUF |
| Total/NA  | Analysis   | 8081B        |     | 1               | 587527       | 06/30/21 15:40       | JLS     | TAL BUF |
| Total/NA  | Prep       | 3550C        |     |                 | 587802       | 07/01/21 15:01       | ATG     | TAL BUF |
| Total/NA  | Analysis   | 8082A        |     | 1               | 588032       | 07/06/21 00:36       | NC      | TAL BUF |
| Total/NA  | Prep       | 3050B        |     |                 | 587621       | 06/30/21 15:01       | KMP     | TAL BUF |
| Total/NA  | Analysis   | 6010C        |     | 1               | 587900       | 07/01/21 19:41       | AMH     | TAL BUF |
| Total/NA  | Prep       | 7471B        |     |                 | 587660       | 07/01/21 13:35       | BMB     | TAL BUF |
| Total/NA  | Analysis   | 7471B        |     | 1               | 587820       | 07/01/21 16:05       | BMB     | TAL BUF |

**Client Sample ID: SS-13-0002**

**Lab Sample ID: 480-186368-13**

**Date Collected: 06/22/21 08:40**

**Matrix: Solid**

**Date Received: 06/22/21 12:15**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | Moisture     |     | 1               | 586473       | 06/22/21 16:06       | JMM     | TAL BUF |

Eurofins TestAmerica, Buffalo

# Lab Chronicle

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186368-1

**Client Sample ID: SS-13-0002**

**Lab Sample ID: 480-186368-13**

**Date Collected: 06/22/21 08:40**

**Matrix: Solid**

**Date Received: 06/22/21 12:15**

**Percent Solids: 45.1**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 3550C        |     |                 | 587525       | 06/30/21 07:50       | VXF     | TAL BUF |
| Total/NA  | Analysis   | 8270D        |     | 5               | 588134       | 07/06/21 21:23       | PJQ     | TAL BUF |
| Total/NA  | Prep       | 3550C        |     |                 | 587329       | 06/29/21 07:46       | VXF     | TAL BUF |
| Total/NA  | Analysis   | 8081B        |     | 10              | 587527       | 06/30/21 11:06       | JLS     | TAL BUF |
| Total/NA  | Prep       | 3550C        |     |                 | 587802       | 07/01/21 15:01       | ATG     | TAL BUF |
| Total/NA  | Analysis   | 8082A        |     | 1               | 588032       | 07/05/21 22:15       | NC      | TAL BUF |
| Total/NA  | Prep       | 3050B        |     |                 | 587621       | 06/30/21 15:01       | KMP     | TAL BUF |
| Total/NA  | Analysis   | 6010C        |     | 1               | 587900       | 07/01/21 19:45       | AMH     | TAL BUF |
| Total/NA  | Prep       | 7471B        |     |                 | 587660       | 07/01/21 13:35       | BMB     | TAL BUF |
| Total/NA  | Analysis   | 7471B        |     | 1               | 587820       | 07/01/21 16:07       | BMB     | TAL BUF |

**Client Sample ID: SS-13-0212**

**Lab Sample ID: 480-186368-14**

**Date Collected: 06/22/21 08:45**

**Matrix: Solid**

**Date Received: 06/22/21 12:15**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | Moisture     |     | 1               | 586473       | 06/22/21 16:06       | JMM     | TAL BUF |

**Client Sample ID: SS-13-0212**

**Lab Sample ID: 480-186368-14**

**Date Collected: 06/22/21 08:45**

**Matrix: Solid**

**Date Received: 06/22/21 12:15**

**Percent Solids: 55.7**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 3550C        |     |                 | 587525       | 06/30/21 07:50       | VXF     | TAL BUF |
| Total/NA  | Analysis   | 8270D        |     | 10              | 588134       | 07/07/21 02:07       | PJQ     | TAL BUF |
| Total/NA  | Prep       | 3550C        |     |                 | 587329       | 06/29/21 07:46       | VXF     | TAL BUF |
| Total/NA  | Analysis   | 8081B        |     | 50              | 587527       | 06/30/21 16:00       | JLS     | TAL BUF |
| Total/NA  | Prep       | 3550C        |     |                 | 587802       | 07/01/21 15:01       | ATG     | TAL BUF |
| Total/NA  | Analysis   | 8082A        |     | 5               | 588119       | 07/06/21 13:07       | NC      | TAL BUF |
| Total/NA  | Prep       | 3050B        |     |                 | 587621       | 06/30/21 15:01       | KMP     | TAL BUF |
| Total/NA  | Analysis   | 6010C        |     | 1               | 587900       | 07/01/21 20:03       | AMH     | TAL BUF |
| Total/NA  | Prep       | 7471B        |     |                 | 587660       | 07/01/21 13:35       | BMB     | TAL BUF |
| Total/NA  | Analysis   | 7471B        |     | 1               | 587820       | 07/01/21 16:12       | BMB     | TAL BUF |

**Client Sample ID: FB-SS-03-210622**

**Lab Sample ID: 480-186368-15**

**Date Collected: 06/22/21 07:00**

**Matrix: Water**

**Date Received: 06/22/21 12:15**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 3510C        |     |                 | 587140       | 06/27/21 09:30       | JMP     | TAL BUF |
| Total/NA  | Analysis   | 8270D        |     | 1               | 587795       | 07/02/21 07:57       | PJQ     | TAL BUF |
| Total/NA  | Prep       | 3510C        | RE  |                 | 588327       | 07/07/21 15:58       | CMC     | TAL BUF |
| Total/NA  | Analysis   | 8270D        | RE  | 1               | 588586       | 07/09/21 19:16       | PJQ     | TAL BUF |
| Total/NA  | Prep       | 3510C        |     |                 | 586730       | 06/24/21 06:56       | SMP     | TAL BUF |
| Total/NA  | Analysis   | 8081B        |     | 1               | 586775       | 06/24/21 18:35       | JLS     | TAL BUF |

Eurofins TestAmerica, Buffalo

# Lab Chronicle

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186368-1

**Client Sample ID: FB-SS-03-210622**

**Lab Sample ID: 480-186368-15**

**Date Collected: 06/22/21 07:00**

**Matrix: Water**

**Date Received: 06/22/21 12:15**

| Prep Type         | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-------------------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA          | Prep       | 3510C        |     |                 | 588012       | 07/03/21 08:36       | JMP     | TAL BUF |
| Total/NA          | Analysis   | 8082A        |     | 1               | 588117       | 07/06/21 14:50       | W1T     | TAL BUF |
| Total Recoverable | Prep       | 3005A        |     |                 | 586695       | 06/23/21 16:46       | ADM     | TAL BUF |
| Total Recoverable | Analysis   | 6010C        |     | 1               | 586999       | 06/24/21 20:48       | LMH     | TAL BUF |
| Total/NA          | Prep       | 7470A        |     |                 | 587432       | 06/29/21 13:21       | BMB     | TAL BUF |
| Total/NA          | Analysis   | 7470A        |     | 1               | 587514       | 06/29/21 17:37       | 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: Niagara Sanitation Wheatfield #932054

Job ID: 480-186368-1

## Laboratory: Eurofins TestAmerica, Buffalo

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

| Authority | Program | Identification Number | Expiration Date |
|-----------|---------|-----------------------|-----------------|
| New York  | NELAP   | 10026                 | 04-01-22        |

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

| Analysis Method | Prep Method | Matrix | Analyte          |
|-----------------|-------------|--------|------------------|
| Moisture        |             | Solid  | Percent Moisture |
| Moisture        |             | Solid  | Percent Solids   |

## Method Summary

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186368-1

| Method   | Method Description                                     | Protocol | Laboratory |
|----------|--------------------------------------------------------|----------|------------|
| 8270D    | Semivolatile Organic Compounds (GC/MS)                 | SW846    | TAL BUF    |
| 8081B    | Organochlorine Pesticides (GC)                         | SW846    | TAL BUF    |
| 8082A    | Polychlorinated Biphenyls (PCBs) by Gas Chromatography | SW846    | TAL BUF    |
| 6010C    | Metals (ICP)                                           | SW846    | TAL BUF    |
| 7470A    | Mercury (CVAA)                                         | SW846    | TAL BUF    |
| 7471B    | Mercury (CVAA)                                         | SW846    | TAL BUF    |
| Moisture | Percent Moisture                                       | EPA      | TAL BUF    |
| 3005A    | Preparation, Total Recoverable or Dissolved Metals     | SW846    | TAL BUF    |
| 3050B    | Preparation, Metals                                    | SW846    | TAL BUF    |
| 3510C    | Liquid-Liquid Extraction (Separatory Funnel)           | SW846    | TAL BUF    |
| 3550C    | Ultrasonic Extraction                                  | SW846    | TAL BUF    |
| 7470A    | Preparation, Mercury                                   | SW846    | TAL BUF    |
| 7471B    | Preparation, Mercury                                   | SW846    | TAL BUF    |

### Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

### Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

# Sample Summary

Client: New York State D.E.C.  
Project/Site: Niagara Sanitation Wheatfield #932054

Job ID: 480-186368-1

| Lab Sample ID | Client Sample ID | Matrix | Collected      | Received       | Asset ID |
|---------------|------------------|--------|----------------|----------------|----------|
| 480-186368-1  | SS-58-0212       | Solid  | 06/22/21 08:00 | 06/22/21 12:15 |          |
| 480-186368-2  | SS-02-0002       | Solid  | 06/22/21 10:32 | 06/22/21 12:15 |          |
| 480-186368-3  | SS-04-0002       | Solid  | 06/22/21 10:15 | 06/22/21 12:15 |          |
| 480-186368-4  | SS-04-0212       | Solid  | 06/22/21 10:20 | 06/22/21 12:15 |          |
| 480-186368-5  | SS-05-0002       | Solid  | 06/22/21 10:00 | 06/22/21 12:15 |          |
| 480-186368-6  | SS-05-0212       | Solid  | 06/22/21 10:05 | 06/22/21 12:15 |          |
| 480-186368-7  | SS-06-0002       | Solid  | 06/22/21 09:45 | 06/22/21 12:15 |          |
| 480-186368-8  | SS-06-0212       | Solid  | 06/22/21 09:50 | 06/22/21 12:15 |          |
| 480-186368-9  | SS-07-0002       | Solid  | 06/22/21 09:20 | 06/22/21 12:15 |          |
| 480-186368-10 | SS-07-0212       | Solid  | 06/22/21 09:25 | 06/22/21 12:15 |          |
| 480-186368-11 | SS-08-0002       | Solid  | 06/22/21 09:00 | 06/22/21 12:15 |          |
| 480-186368-12 | SS-08-0212       | Solid  | 06/22/21 09:05 | 06/22/21 12:15 |          |
| 480-186368-13 | SS-13-0002       | Solid  | 06/22/21 08:40 | 06/22/21 12:15 |          |
| 480-186368-14 | SS-13-0212       | Solid  | 06/22/21 08:45 | 06/22/21 12:15 |          |
| 480-186368-15 | FB-SS-03-210622  | Water  | 06/22/21 07:00 | 06/22/21 12:15 |          |

## Eurofins TestAmerica, Buffalo

10 Hazelwood Drive

Amherst, NY 14228-2298

Phone: 716-691-2600 Fax: 716-691-7991

## Chain of Custody Record

Environment Testing  
America

|                                                     |  |                                                                                         |  |                                        |  |                            |  |                            |  |
|-----------------------------------------------------|--|-----------------------------------------------------------------------------------------|--|----------------------------------------|--|----------------------------|--|----------------------------|--|
| <b>Client Information</b>                           |  | Sampler: <u>Dino Zuck</u>                                                               |  | Lab PM: Johnson, Orlette S             |  | Carrier Tracking No(s):    |  | COC No: 480-162115-35611.1 |  |
| Client Contact: Mr. Glenn May                       |  | Phone: <u>716 866 8222</u>                                                              |  | E-Mail: Orlette.Johnson@Eurofinset.com |  | State of Origin: <u>NY</u> |  | Page: Page 1 of 7          |  |
| Company: New York State D.E.C.                      |  | PWSID:                                                                                  |  | Analysis Requested                     |  |                            |  | Job #:                     |  |
| Address: 270 Michigan Avenue                        |  | Due Date Requested:                                                                     |  |                                        |  |                            |  | Preservation Codes:        |  |
| City: Buffalo                                       |  | TAT Requested (days): <u>STD TAT</u>                                                    |  |                                        |  |                            |  |                            |  |
| State, Zip: NY, 14203                               |  | Compliance Project: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |  |                                        |  |                            |  |                            |  |
| Phone:                                              |  | PO #:                                                                                   |  |                                        |  |                            |  |                            |  |
| Email: glenn.may@dec.ny.gov                         |  | CallOut ID: 136802                                                                      |  |                                        |  |                            |  |                            |  |
| Project Name: Niagara Sanitation Wheatfield #932054 |  | Project #: 48019690                                                                     |  |                                        |  |                            |  |                            |  |
| Site:                                               |  | SSOW#:                                                                                  |  |                                        |  |                            |  |                            |  |

| Sample Identification | Sample Date | Sample Time | Sample Type (C=Comp, G=grab) | Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air) | Field Filtered Sample (Yes or No) | Perform MS/MSD (Yes or No) | 8260C - TCL list OLM04.2 | 8081B, 8082A, 8270D | 6010C, 7471B | 6010C, 7470A | 8270D - (MOD) TCL SVOA - OLM04.2 + Benzolic Acid | 8081B - (MOD) TCL Pesticides - OLM04.2 + Mirex | 8082A - TCL PCBs - SOM01.0 | Total Number of container | Special Instructions/Note: |
|-----------------------|-------------|-------------|------------------------------|----------------------------------------------------------|-----------------------------------|----------------------------|--------------------------|---------------------|--------------|--------------|--------------------------------------------------|------------------------------------------------|----------------------------|---------------------------|----------------------------|
| SS-58-0212            | 6/22/21     | 0800        | C                            | Solid                                                    |                                   |                            | N                        | N                   | N            | D            | N                                                | N                                              | N                          |                           |                            |
| SS-13-0002 MS         | 6/22/21     | 0835        | C                            | Solid                                                    |                                   |                            |                          | X                   | X            |              |                                                  |                                                |                            |                           |                            |
| SS-13-0002 MSD        | 6/22/21     | 0835        | C                            | Solid                                                    |                                   |                            |                          | X                   | X            |              |                                                  |                                                |                            |                           |                            |
|                       |             |             |                              | Solid                                                    |                                   |                            |                          |                     |              |              |                                                  |                                                |                            |                           |                            |
|                       |             |             |                              | Solid                                                    |                                   |                            |                          |                     |              |              |                                                  |                                                |                            |                           |                            |
| SS-01-0002            |             |             |                              | Solid                                                    |                                   |                            |                          |                     |              |              |                                                  |                                                |                            |                           |                            |
| SS-01-0212            |             |             |                              | Solid                                                    |                                   |                            |                          |                     |              |              |                                                  |                                                |                            |                           |                            |
| SS-02-0002            | 6/22/21     | 1032        | C                            | Solid                                                    |                                   |                            |                          |                     | X            |              |                                                  |                                                |                            |                           |                            |
| SS-02-0212            |             |             |                              | Solid                                                    |                                   |                            |                          |                     |              |              |                                                  |                                                |                            |                           |                            |
| SS-03-0002            |             |             |                              | Solid                                                    |                                   |                            |                          |                     |              |              |                                                  |                                                |                            |                           |                            |

|                                                                                                                                                                                                                                                                            |  |                                                                                                                                                                                                                                               |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| <b>Possible Hazard Identification</b><br><input checked="" type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological |  | <b>Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)</b><br><input type="checkbox"/> Return To Client <input checked="" type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months |  |
| Deliverable Requested: I, II, III, IV, Other (specify)                                                                                                                                                                                                                     |  | Special Instructions/QC Requirements:                                                                                                                                                                                                         |  |

|                                             |            |                           |              |                   |          |                     |  |
|---------------------------------------------|------------|---------------------------|--------------|-------------------|----------|---------------------|--|
| Empty Kit Relinquished by: <u>Dino Zuck</u> |            | Date: <u>6/22/21 1110</u> |              | Time: <u>1110</u> |          | Method of Shipment: |  |
| Relinquished by:                            | Date/Time: | Company:                  | Received by: | Date/Time:        | Company: |                     |  |
| Relinquished by:                            | Date/Time: | Company:                  | Received by: | Date/Time:        | Company: |                     |  |
| Relinquished by:                            | Date/Time: | Company:                  | Received by: | Date/Time:        | Company: |                     |  |

|                                                                                           |                   |                                                           |
|-------------------------------------------------------------------------------------------|-------------------|-----------------------------------------------------------|
| Custody Seals Intact: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks: <u>#1 3:6</u> |
|-------------------------------------------------------------------------------------------|-------------------|-----------------------------------------------------------|

Ver: 11/01/2020



Environment Testing  
America

[illegible]

 **eurofins** Environment Testing  
America

Ver: 11/01/2020

## Eurofins TestAmerica, Buffalo

10 Hazelwood Drive

Amherst, NY 14228-2298

Phone: 716-691-2600 Fax: 716-691-7991

## Chain of Custody Record

Environment Testing  
America

|                                                                                                                                                                                                                                   |                             |                                                                              |                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |                            |                             |                                   |                             |                                                 |                                                |                            |                                   |                                                 |                                                |                            |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| <b>Client Information</b>                                                                                                                                                                                                         |                             | Sampler: <u>Dino Zack</u>                                                    |                     | Lab PM: Johnson, Orlette S                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                          | Carrier Tracking No(s):                                                                                                                                                                                                                                                                                                                                                                                                            |  | COC No: 480-162115-35611.6 |                             |                                   |                             |                                                 |                                                |                            |                                   |                                                 |                                                |                            |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Client Contact: Mr. Glenn May                                                                                                                                                                                                     |                             | Phone: <u>716 866 F222</u>                                                   |                     | E-Mail: Orlette.Johnson@Eurofinset.com                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                          | State of Origin: <u>NY</u>                                                                                                                                                                                                                                                                                                                                                                                                         |  | Page: Page 6 of 7          |                             |                                   |                             |                                                 |                                                |                            |                                   |                                                 |                                                |                            |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Company: New York State D.E.C.                                                                                                                                                                                                    |                             | PWSID:                                                                       |                     | Analysis Requested                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |                            |                             |                                   |                             |                                                 |                                                |                            |                                   |                                                 |                                                |                            |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Address: 270 Michigan Avenue                                                                                                                                                                                                      |                             | Due Date Requested:                                                          |                     | <table border="1"> <tr><td>Field Filtered Sample (Yes or No)</td><td>Perform MSN/ISO (Yes or No)</td><td>8260C - TCL list OLM04.2</td><td>8081B, 8082A, 8270D</td><td>6010C, 7471B</td><td>6010C, 7470A</td><td>8270D - (MOD) TCL SVOA - OLM04.2 + Benzoic Acid</td><td>8081B - (MOD) TCL Pesticides - OLM04.2 + Mirex</td><td>8082A - TCL PCBs - SOM01.0</td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> </table> |                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |                            |                             | Field Filtered Sample (Yes or No) | Perform MSN/ISO (Yes or No) | 8260C - TCL list OLM04.2                        | 8081B, 8082A, 8270D                            | 6010C, 7471B               | 6010C, 7470A                      | 8270D - (MOD) TCL SVOA - OLM04.2 + Benzoic Acid | 8081B - (MOD) TCL Pesticides - OLM04.2 + Mirex | 8082A - TCL PCBs - SOM01.0 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Field Filtered Sample (Yes or No)                                                                                                                                                                                                 | Perform MSN/ISO (Yes or No) | 8260C - TCL list OLM04.2                                                     | 8081B, 8082A, 8270D |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |                            |                             | 6010C, 7471B                      | 6010C, 7470A                | 8270D - (MOD) TCL SVOA - OLM04.2 + Benzoic Acid | 8081B - (MOD) TCL Pesticides - OLM04.2 + Mirex | 8082A - TCL PCBs - SOM01.0 |                                   |                                                 |                                                |                            |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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|                                                                                                                                                                                                                                   |                             |                                                                              |                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |                            |                             |                                   |                             |                                                 |                                                |                            |                                   |                                                 |                                                |                            |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                   |                             |                                                                              |                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |                            |                             |                                   |                             |                                                 |                                                |                            |                                   |                                                 |                                                |                            |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| City: Buffalo                                                                                                                                                                                                                     |                             | TAT Requested (days): <u>STD TAT</u>                                         |                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |                            |                             |                                   |                             |                                                 |                                                |                            |                                   |                                                 |                                                |                            |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| State, Zip: NY, 14203                                                                                                                                                                                                             |                             | Compliance Project: <input type="checkbox"/> Yes <input type="checkbox"/> No |                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |                            |                             |                                   |                             |                                                 |                                                |                            |                                   |                                                 |                                                |                            |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Phone:                                                                                                                                                                                                                            |                             | PO #:                                                                        |                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |                            |                             |                                   |                             |                                                 |                                                |                            |                                   |                                                 |                                                |                            |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Email: glenn.may@dec.ny.gov                                                                                                                                                                                                       |                             | CallOut ID: 136802                                                           |                     | WO #:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                          | <b>Preservation Codes:</b><br>A - HCL      M - Hexane<br>B - NaOH      N - None<br>C - Zn Acetate      O - AsNaO2<br>D - Nitric Acid      P - Na2O4S<br>E - NaHSO4      Q - Na2SO3<br>F - MeOH      R - Na2S2O3<br>G - Amchlors      S - H2SO4<br>H - Ascorbic Acid      T - TSP Dodecahydrate<br>I - Ice      U - Acetone<br>J - DI Water      V - MCAA<br>K - EDTA      W - pH 4-5<br>L - EDA      Z - other (specify)<br>Other: |  |                            |                             |                                   |                             |                                                 |                                                |                            |                                   |                                                 |                                                |                            |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Project Name: Niagara Sanitation Wheatfield #932054                                                                                                                                                                               |                             | Project #: 48019690                                                          |                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |                            |                             |                                   |                             |                                                 |                                                |                            |                                   |                                                 |                                                |                            |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Site:                                                                                                                                                                                                                             |                             | SSOW#:                                                                       |                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |                            |                             |                                   |                             |                                                 |                                                |                            |                                   |                                                 |                                                |                            |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| <b>Sample Identification</b>                                                                                                                                                                                                      |                             | Sample Date                                                                  | Sample Time         | Sample Type (C=Comp, G=grab)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air) | Field Filtered Sample (Yes or No)                                                                                                                                                                                                                                                                                                                                                                                                  |  |                            | Perform MSN/ISO (Yes or No) |                                   |                             | Total Number of containers                      |                                                |                            | <b>Special Instructions/Note:</b> |                                                 |                                                |                            |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                   |                             |                                                                              |                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |                            |                             |                                   |                             |                                                 |                                                |                            |                                   |                                                 |                                                |                            |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| SS-25-0212                                                                                                                                                                                                                        |                             |                                                                              |                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Solid                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |                            |                             |                                   |                             |                                                 |                                                |                            |                                   |                                                 |                                                |                            |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                   |                             |                                                                              |                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Solid                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |                            |                             |                                   |                             |                                                 |                                                |                            |                                   |                                                 |                                                |                            |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                   |                             |                                                                              |                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Solid                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |                            |                             |                                   |                             |                                                 |                                                |                            |                                   |                                                 |                                                |                            |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                   |                             |                                                                              |                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Solid                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |                            |                             |                                   |                             |                                                 |                                                |                            |                                   |                                                 |                                                |                            |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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|                                                                                                                                                                                                                                   |                             |                                                                              |                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Solid                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |                            |                             |                                   |                             |                                                 |                                                |                            |                                   |                                                 |                                                |                            |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                   |                             |                                                                              |                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Solid                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |                            |                             |                                   |                             |                                                 |                                                |                            |                                   |                                                 |                                                |                            |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                   |                             |                                                                              |                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Solid                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |                            |                             |                                   |                             |                                                 |                                                |                            |                                   |                                                 |                                                |                            |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                   |                             |                                                                              |                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Solid                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |                            |                             |                                   |                             |                                                 |                                                |                            |                                   |                                                 |                                                |                            |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                   |                             |                                                                              |                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Solid                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |                            |                             |                                   |                             |                                                 |                                                |                            |                                   |                                                 |                                                |                            |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| FB-SS-03-210622                                                                                                                                                                                                                   |                             | 6/22/21                                                                      | 0700                | G                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Water                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |                            |                             |                                   |                             |                                                 |                                                |                            |                                   |                                                 |                                                |                            |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| <b>Possible Hazard Identification</b>                                                                                                                                                                                             |                             |                                                                              |                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                          | <b>Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)</b>                                                                                                                                                                                                                                                                                                                                         |  |                            |                             |                                   |                             |                                                 |                                                |                            |                                   |                                                 |                                                |                            |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| <input checked="" type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological |                             |                                                                              |                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                          | <input type="checkbox"/> Return To Client <input checked="" type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months                                                                                                                                                                                                                                                                                    |  |                            |                             |                                   |                             |                                                 |                                                |                            |                                   |                                                 |                                                |                            |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Deliverable Requested: I, II, III, IV, Other (specify)                                                                                                                                                                            |                             |                                                                              |                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                          | Special Instructions/QC Requirements:                                                                                                                                                                                                                                                                                                                                                                                              |  |                            |                             |                                   |                             |                                                 |                                                |                            |                                   |                                                 |                                                |                            |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Empty Kit Relinquished by:                                                                                                                                                                                                        |                             |                                                                              |                     | Date:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                          | Time:                                                                                                                                                                                                                                                                                                                                                                                                                              |  | Method of Shipment:        |                             |                                   |                             |                                                 |                                                |                            |                                   |                                                 |                                                |                            |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Relinquished by: <u>Dino Zack</u>                                                                                                                                                                                                 |                             |                                                                              |                     | Date/Time: <u>6/22/21 1110</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                          | Company: <u>NGC</u>                                                                                                                                                                                                                                                                                                                                                                                                                |  | Received by: <u>PGI</u>    |                             | Date/Time:                        |                             |                                                 |                                                |                            |                                   |                                                 |                                                |                            |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Relinquished by:                                                                                                                                                                                                                  |                             |                                                                              |                     | Date/Time:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                          | Company:                                                                                                                                                                                                                                                                                                                                                                                                                           |  | Received by:               |                             | Date/Time:                        |                             |                                                 |                                                |                            |                                   |                                                 |                                                |                            |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Relinquished by:                                                                                                                                                                                                                  |                             |                                                                              |                     | Date/Time:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                          | Company:                                                                                                                                                                                                                                                                                                                                                                                                                           |  | Received by:               |                             | Date/Time:                        |                             |                                                 |                                                |                            |                                   |                                                 |                                                |                            |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No                                                                                                                                                    |                             | Custody Seal No.:                                                            |                     | Cooler Temperature(s) °C and Other Remarks:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |                            |                             |                                   |                             |                                                 |                                                |                            |                                   |                                                 |                                                |                            |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

Ver: 11/01/2020

## Login Sample Receipt Checklist

Client: New York State D.E.C.

Job Number: 480-186368-1

**Login Number: 186368**

**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.     | N/A    |         |
| If necessary, staff have been informed of any short hold time or quick TAT needs | True   |         |
| Multiphasic samples are not present.                                             | True   |         |
| Samples do not require splitting or compositing.                                 | True   |         |
| Sampling Company provided.                                                       | True   | AECOM   |
| Samples received within 48 hours of sampling.                                    | True   |         |
| Samples requiring field filtration have been filtered in the field.              | True   |         |
| Chlorine Residual checked.                                                       | N/A    |         |