Appendix I – Supplemental Reports





A LaBella Company

March 13, 2023 (Revised 4-18-2023)

Brittany O'Brien-Drake New York State Department of Environmental Conservation 625 Broadway Albany, NY 12233

RE: Site Summary Report (Rev. 4-18-2023) Algonquin Middle School PFAS Assessment #2105197 333 NY 351, Averill Park, NY Tax parcel ID: 136.-9-28.1

Aztech Environmental Technologies Inc. (Aztech), a LaBella company, has provided this report to document overburden soil and groundwater assessment methodologies and sampling results for the above referenced location. All field investigation activities were performed at the discretion of and in accordance with the scope of work (SOW) developed and provided to Aztech by the New York State Department of Environmental Conservation (NYSDEC).

The property is currently utilized by the Averill Park Central School District as an educational institution and associated sports fields for grades 6 through 8. The approximate 52.57-acre parcel is located west of the intersection of NY Route 351 and Averill Park Rd (RT 66). The property is mainly flat with a downward gradient from east to west. Bedrock outcropping is visible at several locations on the property. An unnamed tributary stream to the Newfoundland Creek flows south to north along the western property boundary. **Figure 1** depicts property features and boundaries.

Overburden soil encountered during drilling activities consisted primarily of coarse to fine sand and silt with varying amounts of shale fragments which typically increased in depth to tooling refusal. Shale fragments in the sampler shoe at terminal boring depth is noted on the attached boring logs.

Prior to intrusive groundwork, a UDig NY utility clearance ticket was ordered for the property. Additionally, a private utility locating contractor performed utility clearance with ground penetrating radar (GPR) at each boring location on August 8, 2022. Boring locations confirmed as clear were painted white and marked with a white flag.

SUMMARY OF FIELD INVESTIGATIONS:

Air monitoring

Air monitoring was conducted during all ground-intrusive work at the property (August 22, 23, and 24, 2022) in accordance with the New York State Department of Health (NYSDOH) Generic Community Air Monitoring Plan (CAMP). One dedicated Dust Trak unit with photo-ionization detector (PID) was positioned upwind with a second dedicated unit placed downwind at each boring location. No exceedances for volatile organic compounds (VOCs) or particulates were recorded.

Soil Boring and Monitoring Well Installation

On August 22, 23, and 24, 2022, Clean Globe Environmental (CGE) advanced soil borings (AMS-SB-01 through AMS-SB-08A) utilizing a Geoprobe 7822DT and direct-push techniques to terminal depths ranging from 9 to 24 feet below grade (fbg). Shallow refusal was encountered at two (2) boring



locations (SB-AMS-02 and SB-AMS-08). Drill tooling was removed from the borehole and advanced again a few feet from the original location. As such, the location identifier is amended with an "A" for soil boring locations SB-AMS-02A and SB-AMS-08A. All 8 boring locations were converted to monitoring wells (AMS-OW-01 through AMS-OW-08). Aztech provided oversight of drilling activities, performed soil headspace screening, soil classification, and both soil and groundwater sampling.

Monitoring wells were installed by over-drilling the borehole utilizing 4 ¹/₄" inside diameter (ID) hollow stem augers. The well assembly consisted of 2-inch ID PVC 10-slot screen set to straddle the water table and casing to grade. A number 2 filtration sand was installed to fill the borehole annulus to approximately one (1) to two (2) feet above the screened interval. Bentonite chips were added atop the sand to seal the casing from surface water intrusion and subsequently hydrated with certified perand polyfluoroalkyl substance (PFAS)-free water. Native soil and well sand were added as needed to the finish grade. Each well was finished within a flush mount road box or a steel stick-up. Each newly installed groundwater monitoring well was developed on August 30 and September 1, 2022 by using a peristaltic pump and/or bailer to remove a targeted 10 well volumes. Monitoring well specifications are presented below in **Table 1.** Individual boring logs are attached. Monitoring well locations are depicted on the attached Figure 1.

| | | | TABLE 1 | - | | | | | | |
|--|--|------------------|----------------------|----------------------------|-------------------|------------------|--|--|--|--|
| | | Monitoring | g Well Specif | fications | | | | | | |
| Well ID | Borehole Depth | Well Diameter | Screened Interval | Sand Packed Interval | Bentonite Seal | Observed DTW* | | | | |
| | (Feet) | (Inches) | (Feet) | (Feet) | (Feet) | (Feet) | | | | |
| AMS-OW-01 | 9 | 2 | 9.0 - 4.0 | 9.0 - 2.0 | 2.0 - 0.5 | 0.65 | | | | |
| AMS-OW-02 | 16 | 2 | 16 - 6.0 | 16 - 4.0 | 4.0 - 2.0 | 10.69 | | | | |
| AMS-OW-03 | 14.5 | 2 | 14.5 - 4.5 | 14.5 - 2.5 | 2.5 - 1.0 | 7.40 | | | | |
| AMS-OW-04 | 18 | 2 | 18 - 8.0 | 18 - 6.0 | 6.0 - 4.0 | 14.02 | | | | |
| AMS-OW-05 | 17 | 2 | 17 - 7.0 | 17 - 5.0 | 5.0 - 3.0 | 14.7 | | | | |
| AMS-OW-06 | 24 | 2 | 24 - 14 | 24 - 12 | 12 - 10 | 17.84 | | | | |
| AMS-OW-07 | 12 | 2 | 11 - 6.0 | 12 - 4.0 | 4.0 - 2.0 | dry | | | | |
| AMS-0W-08 17 2 17 - 7.0 17 - 5.0 5.0 - 3.0 12.71 | | | | | | | | | | |
| Notes: | | | | | | | | | | |
| Wells drilled/in | Wells drilled/installed by Clean Globe Environmental (CGE) | | | | | | | | | |
| *Depth to Wate | r (DTW) as me | easured on Se | eptember 19, | 2022 from to | p of casing (TC |)C) | | | | |

Soil Sampling

Individual soil samples were visually classified and headspace screened with a photo-ionization detector (PID) calibrated to a 100 part per million (ppm) isobutylene calibrant gas. Soil samples from select boring locations were collected from the following depth intervals:

- Surface grade to 2 -inch below grade (BG), beneath vegetative cover,
- 2-inch BG to 12-inch BG, and
- Air/water interface (water table) as observed in borehole.



The actual number of soil samples was dependent on field conditions. A total of 24 depth discrete subsurface soil samples were collected from the eight (8) soil borings and analyzed for PFAS compounds by Environmental Protection Agency (EPA) analytical method 537M for soil. Select soil samples from the 2"BG to 12"BG interval were analyzed using the Synthetic Precipitation Leaching Procedure (SPLP) by EPA Method 1312 and the leachate was subsequently analyzed for PFAS compounds by analytical method 537M. SPLP PFAS results are not considered reportable as it was determined that Con-Test (a Pace Analytical Laboratory at East Longmeadow, MA and the NYSDEC's contracted lab for this project) did not hold the appropriate ELAP certification for EPA Method 1312 at the time of analysis.

Additional samples collected for the purpose of quality assurance (quality control (QA/QC)) included one equipment blank, one matrix spike/matrix spike duplicate (MS/MSD) and one field duplicate following quality control procedures. The attached boring logs reference the parent sample for the MS/MSD and duplicate samples. The equipment blank collected on August 24, 2022 was performed on the nitrile gloves used during soil sampling. Laboratory analytical results for the equipment blank did not report any compounds above the laboratory minimum reporting limit (RL). Refer to **Table 2** for additional details.

Groundwater Sampling

Seven (7) groundwater samples were collected on September 19 and 20, 2022 from the newly installed overburden groundwater monitoring wells. Although eight (8) monitoring wells were installed, AMS-OW-07 was dry and as such, no groundwater sample could be obtained. Samples were collected utilizing low-flow/low-stress sampling techniques with a peristaltic pump and associated HDPE and silicone tubing. Water quality field parameters (temperature, pH, specific conductance, oxygen-reduction potential (ORP), dissolved oxygen (DO), and turbidity) were recorded during the well purging at five (5) minute intervals up to stabilization. A copy of the stabilization logs is attached. Samples were immediately placed on ice and transferred to Pace Analytical and Eurofins TestAmerica under chain of custody protocols. Groundwater samples were analyzed for PFAS compounds by EPA Method 537M, pharmaceutically active compounds-negative by Method L221, and nitrate and nitrite anions by EPA Method 300.

Additional samples collected for QA/QC purposes included an MS/MSD, Field Duplicate, and Equipment Blanks. AMS-OW-06 was the parent sample for the MS/MSD. The field duplicate sample was collected from well AMS-OW-05. The Equipment Blank samples were collected using the HDPE tubing associated with the peristaltic pump on September 19 and nitrile sampling gloves on September 20, 2022. Laboratory analytical results for the equipment blanks did not report any compounds above the laboratory RL. Refer to Table 2 for additional details.

DISCUSSION OF ANALYTICAL RESULTS

STANDARDS, CRITERIA, & GUIDANCE VALUES:

The following documents are used to evaluate the soil and groundwater analytical results:

Soil

- Unrestricted Use and Residential Use soil guidance values from NYSDEC Sampling, Analysis, and Assessment of PFAS Under NYSDEC's Part 375 Remedial Programs, November 2022.



Groundwater

- Screening levels identified in NYSDEC Sampling, Analysis, and Assessment of PFAS Under NYSDEC's Part 375 Remedial Programs, November 2022
- New York State Drinking Water Maximum Contaminant Level (MCL) for PFOA (10 parts per trillion (ppt)), PFOS (10 ppt), and 1,4-dioxane (1 part per billion (ppb)).

It is noted that the NYSDEC Standards, Criteria, & Guidance Values are listed in concentrations of parts per trillion (ppt), parts per billion (ppb), and parts per million (ppm) while laboratory analytical results are reported in equivalent concentrations. For example,

- In soil:
 - 1 ppt = 1 nanogram per kilogram (ng/kg),
 - \circ 1 ppb = 1 microgram per kilogram (µg/kg), and
 - 1 ppm = 1 milligram per kilogram (mg/kg)
- In water:
 - 1 ppt = 1 nanogram per liter (ng/L),
 - \circ 1 ppb = 1 microgram per liter (µg/L), and
 - \circ 1 ppm = 1 milligram per liter (mg/L).

Soil Results:

Of the 24 soil samples collected, 21 samples were analyzed for PFAS compounds by analytical method 537M. Nineteen (19) of the 21 samples had one or more PFAS compounds detected. Perfluorooctanoic acid (PFOA) was recorded in at least one (1) sample from six (6) borehole locations at estimated concentrations ranging from of 0.15 μ g/kg to 0.47 μ g/kg and were below both the laboratory RL and the Unrestricted Use guidance value of 0.66 μ g/kg. Concentrations recorded below the RL are considered estimated values. Perfluorooctane sulfonic acid (PFOS) was recorded in at least one (1) sample from each of the eight (8) soil borings. Concentrations ranged from an estimated 0.063 μ g/kg to 1.000 μ g/kg. Two (2) locations (AMS-SB-02A and AMS-SB-03) recorded PFOS above the Unrestricted Use guidance value of 0.88 μ g/kg.

PFAS compounds that were detected but do not have corresponding guidance values include: PFBA, PFDS, PFDA, PFDoA, PFHpA, PFHxA, PFNA, PFPeA, PFTA, and PFUnA. Of these compounds, PFDA had the highest detected concentration of 0.6 μ g/kg. Refer to **Table 3** for additional details. Refer to **Appendix A** for the laboratory analytical reports.

Groundwater Results:

All seven (7) groundwater samples collected September 19 and 20, 2022 recorded one or more PFAS compounds. PFOA was recorded at concentrations ranging from 5.1 ng/L (AMS-OW-05) to 24 ng/L (AMS-OW-03). PFOS was recorded at concentrations ranging from an estimated 0.91 ng/L (AMS-OW-8) to 51 ng/L (AMS-OW-2). Five (5) concentrations recorded for PFOA and PFOS at three (3) locations (AMS-OW-02, AMS-OW-03, and AMS-OW-04) are above the 10 ng/L screening level. Refer to **Table 4A** for additional details.

Ten (10) PFAS compounds were detected but do not have corresponding screening levels. Those compounds include: 1H,1H, 2H, 2H-Perfluorooctane sulfonic acid, PFBS, PFBA, PFDA, PFHpS, PFHpA, PFHxS, PFHxA, PFNA, and PFPeA. These compounds ranged in concentration from an estimated 0.46 ng/L (PFDA) to 60 ng/L (PFHxA). Refer to Table 4A for additional details.

Groundwater samples were additionally analyzed for artificial sweeteners (including sucralose and acesulfame-k) and nitrate to evaluate the potential migration of septic derived wastewater to



groundwater. Artificial sweetener results are used solely as a qualitive screening tool by the NYSDEC to evaluate this potential. Acesulfame-K was detected in all groundwater samples with concentrations ranging from 0.0097 μ g/L to 3.3 μ g/L. Sucralose was detected in samples collected from four (4) monitoring wells and results ranged from 0.38 μ g/L to 12 μ g/L. The maximum detections of sucralose and acesulfame-k were both identified in monitoring wells adjacent to the Middle School's septic system. Nitrate was detected in all eight (8) groundwater samples and results ranged from 0.13 mg/L to 14 mg/L. The detection of 14 mg/L, which is above the groundwater standard of 10 mg/L, was identified in AMS-OW-03 which is adjacent to the septic system of the middle school. Refer to **Tables 4B and 4C** for additional details. Refer to Appendix A for the laboratory analytical reports.

Surface water and sediment on the Middle School property were sampled and analyzed as part of the investigation completed by CDM Smith. Further discussion on the findings and conclusions of the investigation of the Algonquin Middle School property are discussed within the main PFAS assessment report provided by CDM smith.

This report was prepared by Aztech with review and editorial input by the NYSDEC.

Respectfully submitted,

Aztech Environmental Technologies (a LaBella Company)

Todd Rollend Environmental Scientist

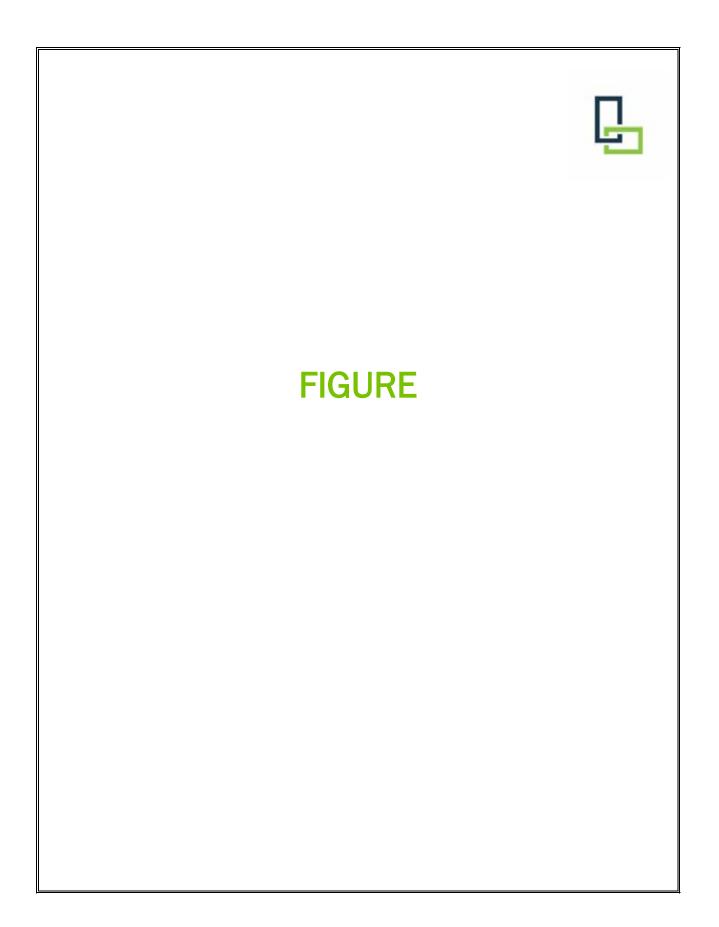
I Randy Hoose certify that I am currently a Qualified Environmental Professional as defined in 6 NYCRR Part 375 and that this Report was prepared in accordance with all applicable statutes and regulations and in substantial conformance with the DER Technical Guidance for Site Investigation and Remediation (DER-10). All investigation and activities were performed in full accordance with the work plan provided by the NYSDEC.

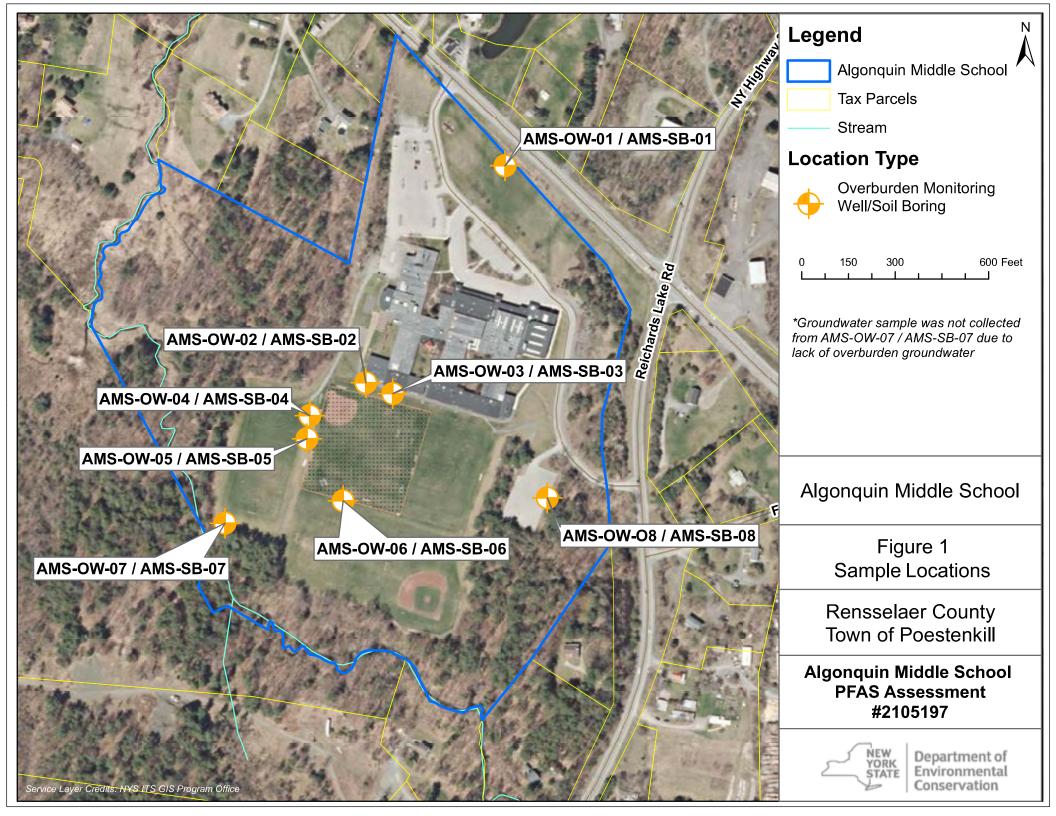
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Randy Hoose, P.G. Senior Hydrogeologist

Attachments:

Figure 1 - Site Map Table 2 - Equipment Blank, PFAS Results Table 3 - Soil, PFAS Results Table 4A - Groundwater, PFAS Results Table 4B - Groundwater, Artificial Sweetener Results Table 4C - Groundwater, Nitrate & Nitrite Results Boring Logs Well Development Logs Low-Flow Stabilization Sampling Logs Appendix - A: Laboratory Analytical Reports





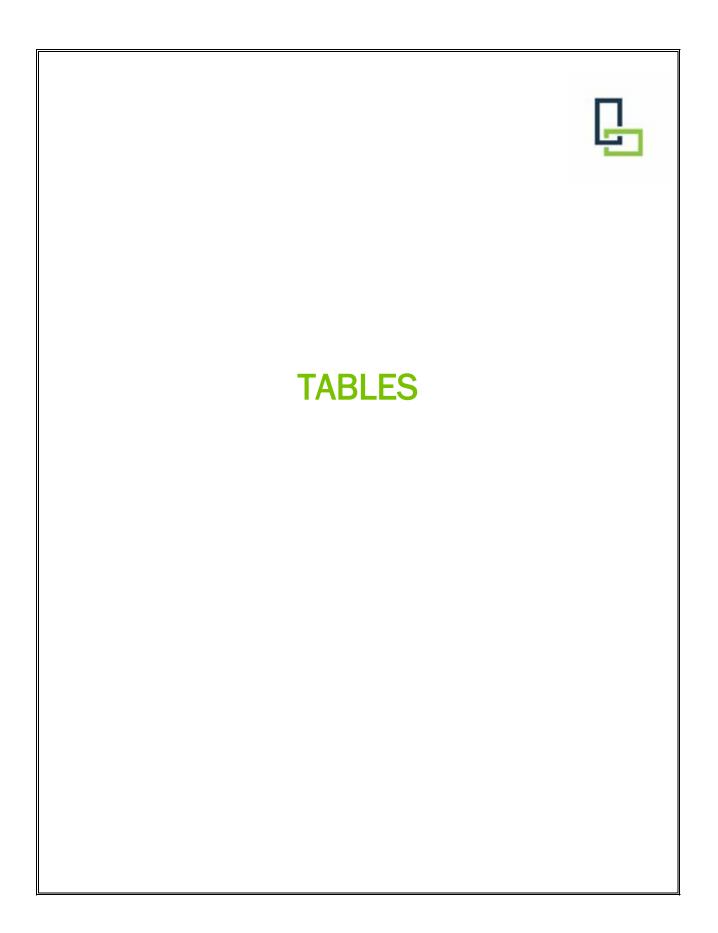


Table 2 Algonquin Middle School Equipment Blank, PFAS Results

| Equip | ment blank, | , PFAS Results | | | | | | |
|--|-------------|-----------------------------------|--------|-----------|--------|-----------|--------|-----------|
| | | ent Sample ID: | | ent blank | | NT BLANK | | ENT BLANK |
| | L | ab Sample ID: | | 545-10 | | 01814-3 | | 01900-6 |
| | | Sample Date: | - | /2022 | | /2022 | - | /2022 |
| | Samp | le Type Code: | | EB | | EB | | EB |
| Analyte | Unit | NYSDEC Guidelines ¹ | Result | Qualifier | Result | Qualifier | Result | Qualifie |
| 11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS) | ng/L | NC | < 0.61 | U | NA | | NA | |
| 1H,1H, 2H, 2H-Perfluorodecane sulfonic acid | ng/L | NC | < 0.58 | U | < 1.7 | U | < 1.8 | U |
| 1H,1H, 2H, 2H-Perfluorohexane sulfonic acid | ng/L | NC | < 0.27 | U | NA | | NA | |
| 1H,1H, 2H, 2H-Perfluorooctane sulfonic acid | ng/L | NC | < 0.35 | U | < 4.4 | U | < 4.5 | U |
| 4,8-Dioxa-3H-perfluorononanoic acid (ADONA) | ng/L | NC | < 0.33 | U | NA | | NA | |
| -Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid (9Cl-PF3ONS) | ng/L | NC | < 0.37 | U | NA | | NA | |
| Hexafluoropropylene oxide dimer acid (HFPO-DA) | ng/L | NC | < 0.23 | U | NA | | NA | |
| N-deuterioethylperfluoro-1-octanesulfonamidoacetic acid | ng/L | NC | < 0.6 | U | NA | | NA | |
| N-deuteriomethylperfluoro-1-octanesulfonamidoacetic acid | ng/L | NC | < 0.72 | U | NA | | NA | |
| N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA) | ng/L | NC | NA | | < 4.4 | U | < 4.5 | U |
| N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA) | ng/L | NC | NA | | < 4.4 | U | < 4.5 | U |
| Nonafluoro-3,6-dioxaheptanoic acid (NFDHA) | ng/L | NC | < 0.26 | U | NA | | NA | |
| Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA) | ng/L | NC | < 0.22 | U | NA | | NA | |
| Perfluoro-1-butanesulfonamide (FBSA) | ng/L | NC | < 0.18 | U | NA | | NA | |
| Perfluoro-1-hexanesulfonamide (FHxSA) | ng/L | NC | < 0.29 | U | NA | | NA | |
| Perfluoro-3-methoxypropanoic acid (PFMPA) | ng/L | NC | < 0.39 | U | NA | | NA | |
| Perfluoro-4-methoxybutanoic acid (PFMBA) | ng/L | NC | < 0.32 | U | NA | | NA | |
| Perfluorobutanesulfonic acid (PFBS) | ng/L | NC | < 0.27 | U | < 1.7 | U | < 1.8 | U |
| Perfluorobutanoic Acid (PFBA) | ng/L | NC | < 0.7 | U | < 4.4 | U | < 4.5 | U |
| Perfluorodecanesulfonic acid (PFDS) | ng/L | NC | < 0.31 | U | < 1.7 | U | < 1.8 | U |
| Perfluorodecanoic acid (PFDA) | ng/L | NC | < 0.46 | U | < 1.7 | U | < 1.8 | U |
| Perfluorododecanoic acid (PFDoA) | ng/L | NC | < 0.42 | U | < 1.7 | U | < 1.8 | U |
| Perfluoroheptanesulfonic acid (PFHpS) | ng/L | NC | < 0.89 | U | < 1.7 | U | < 1.8 | U |
| Perfluoroheptanoic acid (PFHpA) | ng/L | NC | < 0.33 | U | < 1.7 | U | < 1.8 | U |
| Perfluorohexanesulfonic acid (PFHxS) | ng/L | NC | < 0.32 | U | < 1.7 | U | < 1.8 | U |
| Perfluorohexanoic acid (PFHxA) | ng/L | NC | < 0.36 | U | < 1.7 | U | < 1.8 | U |
| Perfluorononanesulfonic Acid (PFNS) | ng/L | NC | < 0.16 | U | NA | | NA | |
| Perfluorononanoic acid (PFNA) | ng/L | NC | < 0.33 | U | < 1.7 | U | < 1.8 | U |
| Perfluorooctane Sulfonamide (PFOSA) | ng/L | NC | < 0.4 | U | < 1.7 | U | < 1.8 | U |
| Perfluorooctanesulfonic acid (PFOS) | ng/L | 10 | < 0.57 | U | < 1.7 | U | < 2.4 | U |
| Perfluorooctanoic acid (PFOA) | ng/L | 10 | < 0.64 | U | < 1.7 | U | < 1.8 | U |
| Perfluoropentanesulfonic Acid (PFPeS) | ng/L | NC | < 0.24 | U | NA | | NA | |
| Perfluoropentanoic Acid (PFPeA) | ng/L | NC | < 0.37 | U | < 1.7 | U | < 1.8 | U |
| Perfluorotetradecanoic acid (PFTeDA) | ng/L | NC | < 0.35 | U | < 1.7 | U | < 1.8 | U |
| Perfluorotridecanoic Acid (PFTriA/PFTrDA) | ng/L | NC | < 0.26 | U | < 1.7 | U | < 1.8 | U |
| Perfluoroundecanoic Acid (PFUnA) | ng/L | NC | < 0.35 | U | < 1.7 | U | < 1.8 | U |
| Votes: | | | 0.00 | - | | 1- | | 17 |

Notes:

¹New York State Department of Environmental Conservation, *Sampling, Analysis, and Assessment of Per- and Polyfluoroalkyl Substances (PFAS),* November 2022 Sample Type Code: EB - Equipment Blank

ng/L - nanogram per liter = parts per trillion (ppt)

NC - No criteria currently exists

NA - Compound was not analyzed for

U - Compound was not detected at the reporting limit shown

J - An estimated value

Bold - Indicates the compound was detected

Highlighted - Indicates the compound was detected above applicable NYSDEC Standards, Criteria, & Guidance Values

| | | | Client Sample ID: | AMS-SB | -01 0-2IN | AMS-SB- | 01 72-84IN | AMS-SB- | 02A 0-21N | AMS-SB- | 02A 2-12IN | AMS-SB-02 | A 144-156IN |
|--|-------|-----------------------------|-----------------------------|-------------|-----------|---------|------------|---------|-----------|---------|------------|-----------|-------------|
| | | | Lab Sample ID: | 22H1 | 545-07 | 22H | 1545-09 | 22H1 | 546-04 | 22H1 | 546-05 | 22H1 | 546-06 |
| | | | Location ID: | AMS | SB-01 | AMS | S-SB-01 | AMS- | SB-02A | AMS- | SB-02A | AMS | SB-02A |
| | | | Sample Date: | 8/24 | /2022 | 8/2 | 4/2022 | 8/23 | /2022 | 8/23 | /2022 | 8/23 | 3/2022 |
| | | | Sample Type Code: | | N | | Ν | | N | | N | | N |
| Australia | 11-34 | Unrestricted Use | Residential Use | Description | Qualifian | Desult | Qualifian | Desult | Qualifian | Desult | Qualifian | Desult | Qualifian |
| Analyte | Unit | Guidance Value ¹ | Guidance Value ¹ | Result | Qualifier | Result | Qualifier | Result | Qualifier | Result | Qualifier | Result | Qualifier |
| 11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid | µg/kg | NC | NC | < 0.14 | U | < 0.13 | U | < 0.13 | U | < 0.13 | U | < 0.14 | U |
| 1H,1H, 2H, 2H-Perfluorodecane sulfonic acid | µg/kg | NC | NC | < 0.13 | U | < 0.12 | U | < 0.12 | U | < 0.12 | U | < 0.13 | U |
| 1H,1H, 2H, 2H-Perfluorohexane sulfonic acid | µg/kg | NC | NC | < 0.089 | U | < 0.085 | U | < 0.086 | U | < 0.085 | U | < 0.093 | U |
| 1H,1H, 2H, 2H-Perfluorooctane sulfonic acid | µg/kg | NC | NC | < 0.11 | U | < 0.11 | U | < 0.11 | U | < 0.11 | U | < 0.12 | U |
| 4,8-Dioxa-3H-perfluorononanoic acid (ADONA) | µg/kg | NC | NC | < 0.16 | U | < 0.15 | U | < 0.15 | U | < 0.15 | U | < 0.16 | U |
| 9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid | µg/kg | NC | NC | < 0.12 | U | < 0.12 | U | < 0.12 | U | < 0.12 | U | < 0.13 | U |
| Hexafluoropropylene oxide dimer acid (HFPO-DA) | µg/kg | NC | NC | < 0.23 | U | < 0.22 | U | < 0.22 | U | < 0.22 | U | < 0.24 | U |
| N-deuterioethylperfluoro-1-octanesulfonamidoacetic acid | µg/kg | NC | NC | < 0.14 | U | < 0.13 | U | < 0.13 | U | < 0.13 | U | < 0.14 | U |
| N-deuteriomethylperfluoro-1-octanesulfonamidoacetic acid | µg/kg | NC | NC | < 0.088 | U | < 0.084 | U | < 0.085 | U | < 0.084 | U | < 0.092 | U |
| Nonafluoro-3,6-dioxaheptanoic acid | µg/kg | NC | NC | < 0.075 | U | < 0.072 | U | < 0.072 | U | < 0.072 | U | < 0.079 | U |
| Perfluoro(2-ethoxyethane)sulfonic acid | µg/kg | NC | NC | < 0.08 | U | < 0.076 | U | < 0.076 | U | < 0.076 | U | < 0.083 | U |
| Perfluoro-1-butanesulfonamide (FBSA) | µg/kg | NC | NC | < 0.15 | U | < 0.15 | U | < 0.15 | U | < 0.15 | U | < 0.16 | U |
| Perfluoro-1-hexanesulfonamide (FHxSA) | µg/kg | NC | NC | < 0.15 | U | < 0.14 | U | < 0.14 | U | < 0.14 | U | < 0.15 | U |
| Perfluoro-3-methoxypropanoic acid | µg/kg | NC | NC | < 0.092 | U | < 0.087 | U | < 0.088 | U | < 0.087 | U | < 0.096 | U |
| Perfluoro-4-methoxybutanoic acid | µg/kg | NC | NC | < 0.089 | U | < 0.085 | U | < 0.086 | U | < 0.085 | U | < 0.093 | U |
| Perfluorobutanesulfonic acid (PFBS) | µg/kg | NC | NC | < 0.074 | U | < 0.071 | U | < 0.071 | U | < 0.071 | U | < 0.078 | U |
| Perfluorobutanoic Acid (PFBA) | µg/kg | NC | NC | < 0.065 | U | < 0.062 | U | < 0.062 | U | < 0.061 | U | < 0.067 | U |
| Perfluorodecanesulfonic acid (PFDS) | µg/kg | NC | NC | < 0.11 | U | < 0.11 | U | 0.34 | J | < 0.11 | U | < 0.12 | U |
| Perfluorodecanoic acid (PFDA) | µg/kg | NC | NC | 0.11 | J | < 0.059 | U | 0.60 | | < 0.059 | U | < 0.065 | U |
| Perfluorododecanoic acid (PFDoA) | µg/kg | NC | NC | < 0.074 | U | < 0.071 | U | 0.22 | J | < 0.071 | U | < 0.078 | U |
| Perfluoroheptanesulfonic acid (PFHpS) | µg/kg | NC | NC | < 0.15 | U | < 0.14 | U | < 0.14 | U | < 0.14 | U | < 0.15 | U |
| Perfluoroheptanoic acid (PFHpA) | µg/kg | NC | NC | 0.11 | J | < 0.067 | U | < 0.067 | U | < 0.066 | U | < 0.073 | U |
| Perfluorohexanesulfonic acid (PFHxS) | µg/kg | NC | NC | < 0.078 | U | < 0.074 | U | < 0.074 | U | < 0.074 | U | < 0.081 | U |
| Perfluorohexanoic acid (PFHxA) | µg/kg | NC | NC | < 0.091 | U | < 0.086 | U | 0.13 | J | 0.11 | J | < 0.094 | U |
| Perfluorononanesulfonic Acid (PFNS) | µg/kg | NC | NC | < 0.13 | U | < 0.13 | U | < 0.13 | U | < 0.12 | U | < 0.14 | U |
| Perfluorononanoic acid (PFNA) | µg/kg | NC | NC | 0.22 | J | < 0.076 | U | 0.10 | J | < 0.076 | U | < 0.083 | U |
| Perfluorooctane Sulfonamide (FOSA) | µg/kg | NC | NC | < 0.095 | U | < 0.09 | U | < 0.091 | U | < 0.09 | U | < 0.099 | U |
| Perfluorooctanesulfonic acid (PFOS) | µg/kg | 0.88 | 8.8 | 0.49 | | < 0.063 | U | 0.45 | J | 0.39 | J | 1.00 |) |
| Perfluorooctanoic acid (PFOA) | µg/kg | 0.66 | 6.6 | 0.47 | J | < 0.13 | U | 0.15 | J | < 0.13 | U | < 0.14 | U |
| Perfluoropentanesulfonic Acid (PFPeS) | µg/kg | NC | NC | < 0.071 | U | < 0.068 | U | < 0.068 | U | < 0.067 | U | < 0.074 | U |
| Perfluoropentanoic Acid (PFPeA) | µg/kg | NC | NC | 0.076 | J | < 0.071 | U | 0.15 | J | 0.10 | J | < 0.078 | U |
| Perfluorotetradecanoic acid (PFTA) | µg/kg | NC | NC | < 0.093 | U | < 0.088 | U | 0.10 | J | < 0.088 | U | < 0.097 | U |
| Perfluorotridecanoic Acid (PFTriA/PFTrDA) | µg/kg | NC | NC | < 0.11 | U | < 0.1 | U | < 0.1 | U | < 0.1 | U | < 0.11 | U |
| Perfluoroundecanoic Acid (PFUnA) | µg/kg | NC | NC | 0.10 | J | < 0.084 | U | 0.23 | J | < 0.084 | U | < 0.092 | U |
| Notes: | - | | | | | | | | | | | | |

Notes:

¹New York State Department of Environmental Conservation, Sampling, Analysis, and Assessment of Per- and

Polyfluoroalkyl Substances (PFAS), November 2022

Sample Type Code: N - Normal, FD -Field Duplicate

µg/kg - microgram per kilogram = parts per billion (ppb)

NC - No criteria currently exists

U - Compound was not detected at the reporting limit shown

J - An estimated value

Bold - Indicates the compound was detected

Highlighted - Indicates the compound was detected above Unrestricted Use guidance value

| Lab Sample ID: 22H1545-01 22H1545-03 22H1545-03 22H1546-01 MAMS-SB-03 AMS-SB-03 AMS-SB-03 AMS-SB-03 AMS-SB-03 AMS-SB-04 AMS-SB-04 Sample Type Code: Sample Type Code: N <th>22H1546-02 AMS-SB-04 8/23/2022 N t Qualifier U U U U U U U U U U U U U U</th> <th>AMS 8/23</th> <th>IS46-03 -SB-04 3/2022 N Qualifier U U U U U U U U</th> | 22H1546-02 AMS-SB-04 8/23/2022 N t Qualifier U U U U U U U U U U U U U U | AMS 8/23 | IS46-03 -SB-04 3/2022 N Qualifier U U U U U U U U |
|--|--|--|---|
| Sample Date: Sample Date: 8/24/2022 8/24/2022 8/23/2022 8/23/2022 Analyte Unit Unrestricted Use Guidance Value1 Residential Use Guidance Value1 Result Qualifier | 8/23/2022 N t Qualifier U U U U U U U U U U U U U U U U U U U | Result < 0.13 < 0.12 < 0.083 < 0.1 < 0.14 | 3/2022 N Qualifier U U U U U U U |
| $ \begin{array}{ $ | N U U U U U U U U U U U U U | Result < 0.13 < 0.12 < 0.083 < 0.1 < 0.14 < 0.11 | N Qualifier U U U U U U U |
| Analyte Unrestricted Use Guidance Value ¹ Result Guidance Value ¹ Result Guidance Value ¹ Qualifier Result Qualifier Qualifier <th< th=""><th>t Qualifier U U U U U U U U U U U U U U U U U U U</th><th>Result < 0.13 < 0.12 < 0.083 < 0.1 < 0.14 < 0.11</th><th>Qualifier U U U U U U U U U</th></th<> | t Qualifier U U U U U U U U U U U U U U U U U U U | Result < 0.13 < 0.12 < 0.083 < 0.1 < 0.14 < 0.11 | Qualifier U U U U U U U U U |
| Analyte Unit Guidance Value ¹ Guidance Value ¹ Result Qualifier Qualifier Result Qualifier | U U U U U U U U U | < 0.13 < 0.12 < 0.083 < 0.1 < 0.14 < 0.11 | U U U U U U |
| | U U U U U U U U U | < 0.13 < 0.12 < 0.083 < 0.1 < 0.14 < 0.11 | U U U U U U |
| 11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid μg/kg NC <0.12 | | < 0.12 < 0.083 < 0.1 < 0.14 < 0.11 | U U U U U |
| 1H,1H, 2H, 2H-Perfluorohexane sulfonic acid µg/kg NC NC < 0.082 U < 0.092 U < 0.089 U < 0.084 1H,1H, 2H, 2H-Perfluoronctane sulfonic acid µg/kg NC NC < 0.1 | | < 0.083 < 0.1 < 0.14 < 0.11 | U U U |
| 1H,1H, 2H, 2H-Perfluorooctane sulfonic acid µg/kg NC NC < 0.1 U < 0.11 U < 0.15 U < 0.11 U < 0.12 U < 0.12 </td <td></td> <td>< 0.1 < 0.14 < 0.11</td> <td>U</td> | | < 0.1 < 0.14 < 0.11 | U |
| 4.8-Dioxa-3H-perfluorononanoic acid (ADONA) µg/kg NC NC < 0.14 U < 0.16 U < 0.15 U < 0.15 9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid µg/kg NC NC < 0.11 | U U U U | < 0.14 < 0.11 | - |
| 9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid μg/kg NC NC < 0.11 U < 0.12 U < 0.12 U < 0.11 Hexafluoropropylene oxide dimer acid (HFPO-DA) μg/kg NC NC < 0.21 | U U U U | < 0.11 | - |
| Hexafluoropropylene oxide dimer acid (HFPO-DA) μg/kg NC NC < 0.21 U < 0.24 U < 0.23 U < 0.22 N-deuterloethylperfluoro-1-octanesulfonamidoacetic acid μg/kg NC NC < 0.12 | U | | U |
| N-deuterloethylperfluoro-1-octanesulfonamidoacetic acid µg/kg NC NC < 0.12 U < 0.14 U < 0.14 U < 0.13 | U | < 0.22 | |
| | U | | U |
| | 11 | < 0.13 | U |
| N-deuteriomethylperfluoro-1-octanesulfonamidoacetic acid $\mu g/kg$ NC NC < 0.081 U < 0.091 U < 0.088 U < 0.083 | U | < 0.082 | U |
| Nonafluoro-3,6-dioxaheptanoic acid µg/kg NC NC < 0.069 U < 0.077 U < 0.075 U < 0.071 | U | < 0.07 | U |
| Perfluoro(2-ethoxyethane)sulfonic acid µg/kg NC NC < 0.073 U < 0.082 U < 0.079 U < 0.075 | U | < 0.074 | U |
| Perfluoro-1-butanesulfonamide (FBSA) µg/kg NC NC < 0.14 U < 0.16 U < 0.15 U < 0.14 | U | < 0.14 | U |
| Perfluoro-1-hexanesulfonamide (FHxSA) µg/kg NC NC < 0.13 U < 0.15 U < 0.15 U < 0.14 | U | < 0.14 | U |
| Perfluoro-3-methoxypropanoic acid µg/kg NC NC < 0.084 U < 0.094 U < 0.091 U < 0.086 | U | < 0.085 | U |
| Perfluoro-4-methoxybutanoic acid µg/kg NC NC < 0.082 U < 0.092 U < 0.089 U < 0.084 | U | < 0.083 | U |
| Perfluorobutanesulfonic acid (PFBS) µg/kg NC NC < 0.068 U < 0.076 U < 0.074 U < 0.07 | U | < 0.069 | U |
| Perfluorobutanoic Acid (PFBA) µg/kg NC NC < 0.059 U < 0.066 U < 0.064 U < 0.061 | U | < 0.06 | U |
| Perfluorodecanesulfonic acid (PFDS) µg/kg NC NC < 0.1 U < 0.12 U 0.13 J < 0.11 | U | < 0.11 | U |
| Perfluorodecanoic acid (PFDA) µg/kg NC NC 0.12 J < 0.064 U < 0.062 U < 0.059 | U | < 0.058 | U |
| Perfluorododecanoic acid (PFDoA) µg/kg NC NC < 0.068 U < 0.076 U < 0.074 U < 0.07 | U | < 0.069 | U |
| Perfluoroheptanesulfonic acid (PFHpS) µg/kg NC NC < 0.13 U < 0.15 U < 0.15 U < 0.14 | U | < 0.14 | U |
| Perfluoroheptanoic acid (PFHpA) µg/kg NC NC < 0.064 U < 0.072 U < 0.07 U < 0.066 | U | < 0.065 | U |
| Perfluorohexanesulfonic acid (PFHxS) µg/kg NC NC < 0.071 U < 0.079 U < 0.077 U < 0.073 | U | < 0.072 | U |
| Perfluorohexanoic acid (PFHxA) µg/kg NC NC < 0.083 U < 0.093 U < 0.09 U 0 | .089 J | < 0.084 | U |
| Perfluorononanesulfonic Acid (PFNS) µg/kg NC NC < 0.12 U < 0.13 U < 0.13 U < 0.12 | U | < 0.12 | U |
| Perfluorononanoic acid (PFNA) µg/kg NC NC 0.11 J < 0.082 U < 0.079 U < 0.075 | U | < 0.074 | U |
| Perfluorooctane Sulfonamide (FOSA) µg/kg NC NC < 0.087 U < 0.097 U < 0.095 U < 0.089 | U | < 0.088 | U |
| Perfluorooctanesulfonic acid (PFOS) µg/kg 0.88 8.8 0.93 0.17 J 0.30 J | 0.20 J | < 0.061 | U |
| Perfluorooctanoic acid (PFOA) | U | 0.20 |)] |
| Perfluoropentanesulfonic Acid (PFPeS) µg/kg NC NC < 0.065 U < 0.073 U < 0.071 U < 0.067 | U | < 0.066 | U |
| Perfluoropentanoic Acid (PFPeA) µg/kg NC NC < 0.068 U < 0.076 U < 0.074 U < 0.07 | U | < 0.069 | U |
| Perfluorotetradecanoic acid (PFTA) µg/kg NC NC < 0.085 U < 0.095 U < 0.092 U < 0.087 | U | < 0.086 | U |
| Perfluorotridecanoic Acid (PFTriA/PFTrDA) µg/kg NC NC < 0.099 U < 0.11 U < 0.11 U < 0.1 | U | < 0.1 | U |
| Perfluoroundecanoic Acid (PFUnA) µg/kg NC NC < 0.081 U < 0.091 U 0.11 J < 0.083 | U | < 0.082 | U |

Notes:

¹New York State Department of Environmental Conservation, Sampling, Analysis, and Assessment of Per- and

Polyfluoroalkyl Substances (PFAS), November 2022

Sample Type Code: N - Normal, FD -Field Duplicate

µg/kg - microgram per kilogram = parts per billion (ppb)

NC - No criteria currently exists

U - Compound was not detected at the reporting limit shown

J - An estimated value

Bold - Indicates the compound was detected

Highlighted - Indicates the compound was detected above Unrestricted Use guidance value

| | | | Client Sample ID: | AMS-SB- | 05 0-2IN | DUPLIC | ATE AMS | AMS-SB- | 05 2-12IN | AMS-SB-05 | 5 180-192IN | AMS-SB | -06 0-21N |
|--|-------|-----------------------------|-----------------------------|---------|-----------|---------|-----------|---------|-----------|-----------|-------------|---------|-----------|
| | | | Lab Sample ID: | 22H13 | 360-04 | 22H1 | 360-10 | 22H1 | 360-05 | 22H1 | 360-06 | 22H1 | 360-07 |
| | | | Location ID: | AMS- | SB-05 | AMS-SB | -05 0-21N | AMS | -SB-05 | AMS | -SB-05 | AMS | -SB-06 |
| | | | Sample Date: | 8/22/ | /2022 | 8/22 | 2/2022 | 8/22 | /2022 | 8/22 | /2022 | 8/22 | 2/2022 |
| | | | Sample Type Code: | 1 | V | i i | FD | | N | | N | | N |
| | | Unrestricted Use | Residential Use | | 0 110 | | 0 110 | | 0 110 | | 0 110 | | 0 110 |
| Analyte | Unit | Guidance Value ¹ | Guidance Value ¹ | Result | Qualifier | Result | Qualifier | Result | Qualifier | Result | Qualifier | Result | Qualifier |
| 11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid | µg/kg | NC | NC | < 0.13 | U | < 0.13 | U | < 0.12 | U | < 0.15 | U | < 0.12 | U |
| 1H,1H, 2H, 2H-Perfluorodecane sulfonic acid | µg/kg | NC | NC | < 0.12 | U | < 0.12 | U | < 0.11 | U | < 0.14 | U | < 0.11 | U |
| 1H,1H, 2H, 2H-Perfluorohexane sulfonic acid | µg/kg | NC | NC | < 0.082 | U | < 0.085 | U | < 0.08 | U | < 0.096 | U | < 0.081 | U |
| 1H,1H, 2H, 2H-Perfluorooctane sulfonic acid | µg/kg | NC | NC | < 0.1 | U | < 0.11 | U | < 0.099 | U | < 0.12 | U | < 0.1 | U |
| 4,8-Dioxa-3H-perfluorononanoic acid (ADONA) | µg/kg | NC | NC | < 0.14 | U | < 0.15 | U | < 0.14 | U | < 0.17 | U | < 0.14 | U |
| 9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid | µg/kg | NC | NC | < 0.11 | U | < 0.12 | U | < 0.11 | U | < 0.13 | U | < 0.11 | U |
| Hexafluoropropylene oxide dimer acid (HFPO-DA) | µg/kg | NC | NC | < 0.22 | U | < 0.22 | U | < 0.21 | U | < 0.25 | U | < 0.21 | U |
| N-deuterioethylperfluoro-1-octanesulfonamidoacetic acid | µg/kg | NC | NC | < 0.13 | U | < 0.13 | U | < 0.12 | U | < 0.15 | U | < 0.12 | U |
| N-deuteriomethylperfluoro-1-octanesulfonamidoacetic acid | µg/kg | NC | NC | < 0.081 | U | < 0.084 | U | < 0.079 | U | < 0.095 | U | < 0.08 | U |
| Nonafluoro-3,6-dioxaheptanoic acid | µg/kg | NC | NC | < 0.069 | U | < 0.072 | U | < 0.067 | U | < 0.081 | U | < 0.069 | U |
| Perfluoro(2-ethoxyethane)sulfonic acid | µg/kg | NC | NC | < 0.073 | U | < 0.076 | U | < 0.071 | U | < 0.086 | U | < 0.073 | U |
| Perfluoro-1-butanesulfonamide (FBSA) | µg/kg | NC | NC | < 0.14 | U | < 0.15 | U | < 0.14 | U | < 0.17 | U | < 0.14 | U |
| Perfluoro-1-hexanesulfonamide (FHxSA) | µg/kg | NC | NC | < 0.13 | U | < 0.14 | U | < 0.13 | U | < 0.16 | U | < 0.13 | U |
| Perfluoro-3-methoxypropanoic acid | µg/kg | NC | NC | < 0.084 | U | < 0.087 | U | < 0.081 | U | < 0.098 | U | < 0.083 | U |
| Perfluoro-4-methoxybutanoic acid | µg/kg | NC | NC | < 0.082 | U | < 0.085 | U | < 0.08 | U | < 0.096 | U | < 0.081 | U |
| Perfluorobutanesulfonic acid (PFBS) | µg/kg | NC | NC | < 0.068 | U | < 0.071 | U | < 0.066 | U | < 0.08 | U | < 0.068 | U |
| Perfluorobutanoic Acid (PFBA) | µg/kg | NC | NC | 0.30 | J | < 0.062 | U | < 0.058 | U | < 0.069 | U | < 0.059 | U |
| Perfluorodecanesulfonic acid (PFDS) | µg/kg | NC | NC | 0.29 | J | 0.27 | J | < 0.1 | U | < 0.12 | U | < 0.1 | U |
| Perfluorodecanoic acid (PFDA) | µg/kg | NC | NC | < 0.058 | U | < 0.06 | U | < 0.056 | U | < 0.067 | U | < 0.057 | U |
| Perfluorododecanoic acid (PFDoA) | µg/kg | NC | NC | < 0.068 | U | < 0.071 | U | < 0.066 | U | < 0.08 | U | < 0.068 | U |
| Perfluoroheptanesulfonic acid (PFHpS) | µg/kg | NC | NC | < 0.13 | U | < 0.14 | U | < 0.13 | U | < 0.16 | U | < 0.13 | U |
| Perfluoroheptanoic acid (PFHpA) | µg/kg | NC | NC | 0.13 | J | < 0.067 | U | < 0.062 | U | < 0.075 | U | < 0.064 | U |
| Perfluorohexanesulfonic acid (PFHxS) | µg/kg | NC | NC | < 0.071 | U | < 0.074 | U | < 0.069 | U | < 0.083 | U | < 0.071 | U |
| Perfluorohexanoic acid (PFHxA) | µg/kg | NC | NC | 0.18 | J | < 0.086 | U | < 0.081 | U | < 0.097 | U | < 0.082 | U |
| Perfluorononanesulfonic Acid (PFNS) | µg/kg | NC | NC | < 0.12 | U | < 0.13 | U | < 0.12 | U | < 0.14 | U | < 0.12 | U |
| Perfluorononanoic acid (PFNA) | µg/kg | NC | NC | < 0.073 | U | < 0.076 | U | < 0.071 | U | < 0.086 | U | < 0.073 | U |
| Perfluorooctane Sulfonamide (FOSA) | µg/kg | NC | NC | < 0.087 | U | < 0.09 | U | < 0.084 | U | < 0.1 | U | < 0.086 | U |
| Perfluorooctanesulfonic acid (PFOS) | µg/kg | 0.88 | 8.8 | 0.58 | | 0.55 | | 0.14 | J | < 0.071 | U | 0.25 | J |
| Perfluorooctanoic acid (PFOA) | µg/kg | 0.66 | 6.6 | 0.21 | J | 0.37 | J | < 0.12 | U | < 0.15 | U | < 0.13 | U |
| Perfluoropentanesulfonic Acid (PFPeS) | µg/kg | NC | NC | < 0.066 | U | < 0.068 | U | < 0.063 | U | < 0.076 | U | < 0.065 | U |
| Perfluoropentanoic Acid (PFPeA) | µg/kg | NC | NC | 0.25 | J | < 0.071 | U | < 0.066 | U | < 0.08 | U | < 0.068 | U |
| Perfluorotetradecanoic acid (PFTA) | µg/kg | NC | NC | < 0.085 | U | < 0.088 | U | < 0.082 | U | < 0.1 | U | < 0.084 | U |
| Perfluorotridecanoic Acid (PFTriA/PFTrDA) | µg/kg | NC | NC | < 0.1 | U | < 0.1 | U | < 0.097 | U | < 0.12 | U | < 0.099 | U |
| Perfluoroundecanoic Acid (PFUnA) | µg/kg | NC | NC | < 0.081 | U | < 0.084 | U | < 0.079 | U | < 0.095 | U | < 0.08 | U |

Notes:

¹New York State Department of Environmental Conservation, Sampling, Analysis, and Assessment of Per- and

Polyfluoroalkyl Substances (PFAS), November 2022

Sample Type Code: N - Normal, FD -Field Duplicate

µg/kg - microgram per kilogram = parts per billion (ppb)

NC - No criteria currently exists

U - Compound was not detected at the reporting limit shown

J - An estimated value

Bold - Indicates the compound was detected

Highlighted - Indicates the compound was detected above Unrestricted Use guidance value

| | | | Client Sample ID: | AMS-SB- | 06 2-12IN | AMS-SB-06 | 5 216-240IN | AMS-SB- | 07 0-21N | AMS-SB- | 07 2-12IN | AMS-SB-07 | 7 120-132IN |
|--|-------|-----------------------------|-----------------------------|---------|-----------|-----------|-------------|---------|-----------|---------|-----------|-------------|-------------|
| | | | Lab Sample ID: | 22H1 | 360-08 | 22H1 | 360-09 | 22H13 | 360-01 | 22H1 | 360-02 | 22H1 | 360-03 |
| | | | Location ID: | AMS | SB-06 | AMS- | -SB-06 | AMS- | SB-07 | AMS- | SB-07 | AMS | -SB-07 |
| | | | Sample Date: | 8/22 | /2022 | 8/22 | /2022 | 8/22 | /2022 | 8/22 | /2022 | 8/22 | /2022 |
| | | | Sample Type Code: | | N | | N | | N | | N | | N |
| | | Unrestricted Use | Residential Use | | 0 110 | | 0 110 | | | | 0 110 | a 14 | 0.110 |
| Analyte | Unit | Guidance Value ¹ | Guidance Value ¹ | Result | Qualifier | Result | Qualifier | Result | Qualifier | Result | Qualifier | Result | Qualifier |
| 11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid | µg/kg | NC | NC | < 0.12 | U | < 0.15 | U | < 0.13 | U | < 0.13 | U | < 0.14 | U |
| 1H,1H, 2H, 2H-Perfluorodecane sulfonic acid | µg/kg | NC | NC | < 0.12 | U | < 0.14 | U | < 0.12 | U | < 0.12 | U | < 0.13 | U |
| 1H,1H, 2H, 2H-Perfluorohexane sulfonic acid | µg/kg | NC | NC | < 0.082 | U | < 0.099 | U | < 0.084 | U | < 0.085 | U | < 0.091 | U |
| 1H,1H, 2H, 2H-Perfluorooctane sulfonic acid | µg/kg | NC | NC | < 0.1 | U | < 0.12 | U | < 0.1 | U | < 0.11 | U | < 0.11 | U |
| 4,8-Dioxa-3H-perfluorononanoic acid (ADONA) | µg/kg | NC | NC | < 0.14 | U | < 0.17 | U | < 0.15 | U | < 0.15 | U | < 0.16 | U |
| 9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid | µg/kg | NC | NC | < 0.11 | U | < 0.14 | U | < 0.11 | U | < 0.12 | U | < 0.12 | U |
| Hexafluoropropylene oxide dimer acid (HFPO-DA) | µg/kg | NC | NC | < 0.22 | U | < 0.26 | U | < 0.22 | U | < 0.22 | U | < 0.24 | U |
| N-deuterioethylperfluoro-1-octanesulfonamidoacetic acid | µg/kg | NC | NC | < 0.13 | U | < 0.15 | U | < 0.13 | U | < 0.13 | U | < 0.14 | U |
| N-deuteriomethylperfluoro-1-octanesulfonamidoacetic acid | µg/kg | NC | NC | < 0.081 | U | < 0.098 | U | < 0.083 | U | < 0.084 | U | < 0.09 | U |
| Nonafluoro-3,6-dioxaheptanoic acid | µg/kg | NC | NC | < 0.069 | U | < 0.084 | U | < 0.071 | U | < 0.072 | U | < 0.077 | U |
| Perfluoro(2-ethoxyethane)sulfonic acid | µg/kg | NC | NC | < 0.073 | U | < 0.088 | U | < 0.075 | U | < 0.076 | U | < 0.081 | U |
| Perfluoro-1-butanesulfonamide (FBSA) | µg/kg | NC | NC | < 0.14 | U | < 0.17 | U | < 0.14 | U | < 0.15 | U | < 0.16 | U |
| Perfluoro-1-hexanesulfonamide (FHxSA) | µg/kg | NC | NC | < 0.13 | U | < 0.16 | U | < 0.14 | U | < 0.14 | U | < 0.15 | U |
| Perfluoro-3-methoxypropanoic acid | µg/kg | NC | NC | < 0.084 | U | < 0.1 | U | < 0.086 | U | < 0.087 | U | < 0.094 | U |
| Perfluoro-4-methoxybutanoic acid | µg/kg | NC | NC | < 0.082 | U | < 0.099 | U | < 0.084 | U | < 0.085 | U | < 0.091 | U |
| Perfluorobutanesulfonic acid (PFBS) | µg/kg | NC | NC | < 0.068 | U | < 0.082 | U | < 0.07 | U | < 0.071 | U | < 0.076 | U |
| Perfluorobutanoic Acid (PFBA) | µg/kg | NC | NC | < 0.059 | U | < 0.072 | U | < 0.061 | U | 0.073 | J | < 0.066 | U |
| Perfluorodecanesulfonic acid (PFDS) | µg/kg | NC | NC | < 0.1 | U | < 0.13 | U | 0.17 | J | < 0.11 | U | < 0.12 | U |
| Perfluorodecanoic acid (PFDA) | µg/kg | NC | NC | < 0.058 | U | < 0.069 | U | < 0.059 | U | < 0.059 | U | < 0.064 | U |
| Perfluorododecanoic acid (PFDoA) | µg/kg | NC | NC | < 0.068 | U | < 0.082 | U | < 0.07 | U | < 0.071 | U | < 0.076 | U |
| Perfluoroheptanesulfonic acid (PFHpS) | µg/kg | NC | NC | < 0.13 | U | < 0.16 | U | < 0.14 | U | < 0.14 | U | < 0.15 | U |
| Perfluoroheptanoic acid (PFHpA) | µg/kg | NC | NC | < 0.064 | U | < 0.078 | U | < 0.066 | U | < 0.067 | U | < 0.072 | U |
| Perfluorohexanesulfonic acid (PFHxS) | µg/kg | NC | NC | < 0.071 | U | < 0.086 | U | < 0.073 | U | < 0.074 | U | < 0.079 | U |
| Perfluorohexanoic acid (PFHxA) | µg/kg | NC | NC | < 0.083 | U | < 0.1 | U | < 0.085 | U | < 0.086 | U | < 0.092 | U |
| Perfluorononanesulfonic Acid (PFNS) | µg/kg | NC | NC | < 0.12 | U | < 0.15 | U | < 0.12 | U | < 0.13 | U | < 0.13 | U |
| Perfluorononanoic acid (PFNA) | µg/kg | NC | NC | < 0.073 | U | < 0.088 | U | < 0.075 | U | < 0.076 | U | < 0.081 | U |
| Perfluorooctane Sulfonamide (FOSA) | µg/kg | NC | NC | < 0.087 | U | < 0.11 | U | < 0.089 | U | < 0.09 | U | < 0.097 | U |
| Perfluorooctanesulfonic acid (PFOS) | µg/kg | 0.88 | 8.8 | 0.063 | J | < 0.073 | U | 0.38 | J | 0.19 | - | 0.084 | J |
| Perfluorooctanoic acid (PFOA) | µg/kg | 0.66 | 6.6 | < 0.13 | U | 0.20 | J | < 0.13 | U | 0.26 | J | < 0.14 | U |
| Perfluoropentanesulfonic Acid (PFPeS) | µg/kg | NC | NC | < 0.065 | U | < 0.079 | U | < 0.067 | U | < 0.068 | U | < 0.073 | U |
| Perfluoropentanoic Acid (PFPeA) | µg/kg | NC | NC | < 0.068 | U | < 0.082 | U | < 0.07 | U | < 0.071 | U | < 0.076 | U |
| Perfluorotetradecanoic acid (PFTA) | µg/kg | NC | NC | < 0.085 | U | < 0.1 | U | < 0.087 | U | < 0.088 | U | < 0.095 | U |
| Perfluorotridecanoic Acid (PFTriA/PFTrDA) | µg/kg | NC | NC | < 0.1 | U | < 0.12 | U | < 0.1 | U | < 0.1 | U | < 0.11 | U |
| Perfluoroundecanoic Acid (PFUnA) | µg/kg | NC | NC | < 0.081 | U | < 0.098 | U | < 0.083 | U | < 0.084 | U | < 0.09 | U |

Notes:

¹New York State Department of Environmental Conservation, Sampling, Analysis, and Assessment of Per- and

Polyfluoroalkyl Substances (PFAS), November 2022

Sample Type Code: N - Normal, FD -Field Duplicate

µg/kg - microgram per kilogram = parts per billion (ppb)

NC - No criteria currently exists

U - Compound was not detected at the reporting limit shown

J - An estimated value

Bold - Indicates the compound was detected

Highlighted - Indicates the compound was detected above Unrestricted Use guidance value

| | | | Client Sample ID: | AMS-SB- | -08A 0-21N | AMS-SB-0 | BA 192-204IN |
|--|-------|-----------------------------|-----------------------------|---------|------------|----------|--------------|
| | | | Lab Sample ID: | 22H1 | 545-04 | 22H | 1545-06 |
| | | | Location ID: | AMS- | SB-08A | AMS | -SB-08A |
| | | | Sample Date: | 8/24 | 1/2022 | 8/2 | 4/2022 |
| | | | Sample Type Code: | | N | | Ν |
| | | Unrestricted Use | Residential Use | | | | |
| Analyte | Unit | Guidance Value ¹ | Guidance Value ¹ | Result | Qualifier | Result | Qualifier |
| 1-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid | µq/kq | NC | NC | < 0.15 | U | < 0.12 | U |
| H,1H, 2H, 2H-Perfluorodecane sulfonic acid | µg/kg | NC | NC | < 0.14 | U | < 0.12 | U |
| H,1H, 2H, 2H-Perfluorohexane sulfonic acid | µg/kg | NC | NC | < 0.098 | U | < 0.082 | U |
| H,1H, 2H, 2H-Perfluorooctane sulfonic acid | µg/kg | NC | NC | < 0.12 | U | < 0.1 | U |
| ,8-Dioxa-3H-perfluorononanoic acid (ADONA) | µg/kg | NC | NC | < 0.17 | U | < 0.14 | U |
| -Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid | µq/kq | NC | NC | < 0.13 | U | < 0.11 | U |
| exafluoropropylene oxide dimer acid (HFPO-DA) | µq/kq | NC | NC | < 0.26 | U | < 0.21 | U |
| I-deuterioethylperfluoro-1-octanesulfonamidoacetic acid | µg/kg | NC | NC | < 0.15 | U | < 0.13 | U |
| N-deuteriomethylperfluoro-1-octanesulfonamidoacetic acid | µg/kg | NC | NC | < 0.096 | U | < 0.081 | U |
| Nonafluoro-3,6-dioxaheptanoic acid | µq/kq | NC | NC | < 0.082 | U | < 0.069 | U |
| Perfluoro(2-ethoxyethane)sulfonic acid | µg/kg | NC | NC | < 0.087 | U | < 0.073 | U |
| Perfluoro-1-butanesulfonamide (FBSA) | µg/kg | NC | NC | < 0.17 | U | < 0.14 | U |
| erfluoro-1-hexanesulfonamide (FHxSA) | µg/kg | NC | NC | < 0.16 | Ŭ | < 0.13 | U |
| erfluoro-3-methoxypropanoic acid | µg/kg | NC | NC | < 0.1 | U | < 0.084 | U |
| erfluoro-4-methoxybutanoic acid | µg/kg | NC | NC | < 0.098 | U | < 0.082 | U |
| erfluorobutanesulfonic acid (PFBS) | µg/kg | NC | NC | < 0.081 | U | < 0.068 | U |
| erfluorobutanoic Acid (PFBA) | µg/kg | NC | NC | < 0.071 | U | < 0.059 | U |
| erfluorodecanesulfonic acid (PFDS) | µg/kg | NC | NC. | < 0.12 | U | < 0.1 | U |
| erfluorodecanoic acid (PFDA) | µg/kg | NC | NC | < 0.068 | U | < 0.057 | U |
| Perfluorododecanoic acid (PFDoA) | µg/kg | NC | NC | < 0.081 | U | < 0.068 | U |
| Perfluoroheptanesulfonic acid (PFHpS) | µg/kg | NC | NC | < 0.16 | U | < 0.13 | U |
| Perfluoroheptanoic acid (PFHpA) | µg/kg | NC | NC | < 0.076 | U | < 0.064 | U |
| Perfluorohexanesulfonic acid (PFHxS) | µg/kg | NC | NC | < 0.085 | Ŭ | < 0.071 | U |
| Perfluorohexanoic acid (PFHxA) | µg/kg | NC | NC | < 0.099 | U | < 0.083 | U |
| Perfluorononanesulfonic Acid (PFNS) | µg/kg | NC | NC | < 0.14 | U | < 0.12 | U |
| Perfluorononanoic acid (PENA) | µg/kg | NC | NC | < 0.087 | Ŭ | < 0.073 | U |
| Perfluorooctane Sulfonamide (FOSA) | µg/kg | NC | NC | < 0.1 | Ŭ | < 0.087 | U |
| Perfluorooctanesulfonic acid (PFOS) | µg/kg | 0.88 | 8.8 | 0.086 | - - | 0.1 | 4 J |
| Perfluorooctanoic acid (PFOA) | µg/kg | 0.66 | 6.6 | < 0.15 | U | < 0.13 | U |
| Perfluoropentanesulfonic Acid (PFPeS) | µg/kg | NC | NC | < 0.078 | U | < 0.065 | U |
| Perfluoropentanoic Acid (PFPeA) | µg/kg | NC | NC | < 0.081 | U | < 0.068 | U |
| Perfluorotetradecanoic acid (PFTA) | µg/kg | NC | NC | < 0.1 | U | < 0.085 | U |
| Perfluorotridecanoic Acid (PFTriA/PFTrDA) | µg/kg | NC | NC | < 0.12 | U | < 0.1 | U |
| Perfluoroundecanoic Acid (PFUnA) | µg/kg | NC | NC | < 0.096 | U | < 0.081 | U |
| | P9/19 | | | . 3.070 | 1~ | . 0.001 | 17 |

Sample Type Code: N - Normal, FD -Field Duplicate

µg/kg - microgram per kilogram = parts per billion (ppb)

NC - No criteria currently exists

U - Compound was not detected at the reporting limit shown

J - An estimated value

Bold - Indicates the compound was detected

Highlighted - Indicates the compound was detected above Unrestricted Use guidance value

Table 4A Algonquin Middle School Groundwater, PFAS Results

| Analyte Ur | | : 1 | /2022 N | 9/20/ | /2022 N | 9/20/ | | AMS-0 9/20/ | - | AMS-C 9/20/ N | 2022 | AMS-0 9/20/: FL | /2022 | 9/20/ | DW-06 /2022 N | AMS-0 9/19/ | /2022 |
|--|-----------------------|---------------------|------------|--------|------------|--------|-----------|----------------|-----------|---------------------|-----------|-----------------------|-----------|--------|---------------------|----------------|-----------|
| | nit NYSDEC Guidelines | ¹ Result | Qualifier | Result | Qualifier | Result | Qualifier | Result | Qualifier | Result | Qualifier | Result | Qualifier | Result | Qualifier | Result | Qualifier |
| 1H,1H, 2H, 2H-Perfluorodecane sulfonic acid ng | /L NC | < 1.8 | U | < 1.8 | U | < 1.8 | U | < 1.8 | U | < 1.8 | U | < 1.8 | U | < 1.9 | U | < 1.9 | U |
| 1H,1H, 2H, 2H-Perfluorooctane sulfonic acid ng | /L NC | < 4.5 | U | < 4.5 | U | 1.3 | J | < 4.6 | U | < 4.5 | U | < 4.6 | U | < 4.8 | U | < 4.8 | U |
| N-ethyl perfluorooctanesulfonamidoacetic acid ng | /L NC | < 4.5 | U | < 4.5 | U | < 4.6 | U | < 4.6 | U | < 4.5 | U | < 4.6 | U | < 4.8 | U | < 4.8 | U |
| N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA) ng | /L NC | < 4.5 | U | < 4.5 | U | < 4.6 | U | < 4.6 | U | < 4.5 | U | < 4.6 | U | < 4.8 | U | < 4.8 | U |
| Perfluorobutanesulfonic acid (PFBS) ng | /L NC | 0.93 | J | 3.4 | | 1 | J | 0.63 | J | < 1.8 | U | < 1.8 | U | < 1.9 | U | 0.65 | J |
| Perfluorobutanoic Acid (PFBA) ng | /L NC | 4.6 | | 5.7 | | 15 | | 9.4 | | 6.3 | | 5.6 | | < 4.8 | U | 4.3 | J |
| Perfluorodecanesulfonic acid (PFDS) ng | /L NC | < 1.8 | U | < 1.8 | U | < 1.8 | U | < 1.8 | U | < 1.8 | U | < 1.8 | U | < 1.9 | U | < 1.9 | U |
| Perfluorodecanoic acid (PFDA) ng | /L NC | < 1.8 | U | < 1.8 | U | 2.2 | | 1.1 | J | 0.46 | J | < 1.8 | U | < 1.9 | U | < 1.9 | U |
| Perfluorododecanoic acid (PFDoA) ng | /L NC | < 1.8 | U | < 1.8 | U | < 1.8 | U | < 1.8 | U | < 1.8 | U | < 1.8 | U | < 1.9 | U | < 1.9 | U |
| Perfluoroheptanesulfonic acid (PFHpS) ng | /L NC | < 1.8 | U | 0.82 | J | 0.72 | J | < 1.8 | U | < 1.8 | U | < 1.8 | U | < 1.9 | U | < 1.9 | U |
| Perfluoroheptanoic acid (PFHpA) ng | /L NC | 0.71 | J | 2.7 | | 7.5 | | 2.7 | | 1.6 | J | 1.4 | J | < 1.9 | U | 2.7 | |
| Perfluorohexanesulfonic acid (PFHxS) ng | /L NC | 0.97 | J | 1.1 | J | 1.6 | J | 1.2 | J | 0.71 | J | 0.64 | J | 0.67 | J | 0.73 | J |
| Perfluorohexanoic acid (PFHxA) ng | /L NC | < 1.8 | U | 12 | | 60 | | 39 | | 24 | | 21 | | 1.1 | J | 4.8 | |
| Perfluorononanoic acid (PFNA) ng | /L NC | < 1.8 | U | 1.4 | J | 4.2 | | 1.6 | J | 0.84 | J | 0.72 | J | < 1.9 | U | 0.57 | J |
| Perfluorooctane Sulfonamide (FOSA) ng | /L NC | < 1.8 | U | < 1.8 | U | < 1.8 | U | < 1.8 | U | < 1.8 | U | < 1.8 | U | < 1.9 | U | < 1.9 | U |
| Perfluorooctanesulfonic acid (PFOS) ng | /L 10 | 1.9 | | 51 | | 18 | | 13 | | 6.6 | | 5.5 | | < 1.9 | U | 0.91 | J |
| Perfluorooctanoic acid (PFOA) ng | /L 10 | 6.8 | | 12 | | 24 | | 10 | | 5.1 | - | 4.3 | | < 1.9 | U | 6.5 | ļ |
| Perfluoropentanoic Acid (PFPeA) ng | /L NC | < 1.8 | U | 9.9 | | 58 | | 25 | | 16 | | 14 | | 1 | J | 5.8 | |
| Perfluorotetradecanoic acid (PFTA) ng | /L NC | < 1.8 | U | < 1.8 | U | < 1.8 | U | < 1.8 | U | < 1.8 | U | < 1.8 | U | < 1.9 | U | < 1.9 | U |
| Perfluorotridecanoic Acid (PFTriA/PFTrDA) ng | /L NC | < 1.8 | U | < 1.8 | U | < 1.8 | U | < 1.8 | U | < 1.8 | U | < 1.8 | U | < 1.9 | U | < 1.9 | U |
| Perfluoroundecanoic Acid (PFUnA) ng | /L NC | < 1.8 | U | < 1.8 | U | < 1.8 | U | < 1.8 | U | < 1.8 | U | < 1.8 | U | < 1.9 | U | < 1.9 | U |

¹New York State Department of Environmental Conservation, Sampling, Analysis, and Assessment of Per- and Polyfluoroalkyl Substances (PFAS), November 2022

Sample Type Code: N - Normal, FD -Field Duplicate

ng/L - nanogram per liter = parts per trillion (ppt)

NC - No criteria currently exists

U - Compound was not detected at the reporting limit shown

J - An estimated value

Bold - Indicates the compound was detected

Highlighted - Indicates the compound was detected above applicable NYSDEC Standards, Criteria, & Guidance Values

Table 4B Algonquin Middle School Groundwater, Artificial Sweetener Results

| | Client Samp | ole ID: | AMS-OW- | 01-20220919 | AMS-OW-02 | 2-20220920 | AMS-OW-0 | 3-20220920 | AMS-OW-0 | 4-20220920 | AMS-OW-05 | 5-20220920 | FIELD DUP | P-20220920 | AMS-OW-0 | 6-20220920 | AMS-OW-08 | 8-20220919 |
|------------------------------------|------------------|---------|---------|-------------|-----------|------------|----------|------------|----------|------------|-----------|------------|-----------|------------|----------|------------|-----------|------------|
| | Lab Samp | ole ID: | 221 | 1081-01 | 22111 | 74-01 | 2211 | 174-02 | 22111 | 74-03 | 22111 | 74-04 | 22111 | 174-06 | 22111 | 74-05 | 22110 | 081-02 |
| | Locati | on ID: | AMS | S-OW-01 | AMS-0 | DW-02 | AMS- | OW-03 | AMS-0 | DW-04 | AMS-C | DW-05 | AMS- | OW-05 | AMS-0 | DW-06 | AMS-0 | 80-WC |
| | Sample | Date: | 9/1 | 9/2022 | 9/20/ | /2022 | 9/20 |)/2022 | 9/20 | /2022 | 9/20/ | 2022 | 9/20 | /2022 | 9/20 | /2022 | 9/19 | /2022 |
| | Sample Type | Code: | | Ν | 1 | V | | N | | V | ١ | J | F | D | | N | 1 | Ν |
| | Screening | | Result | Qualifier | Result | Qualifier | Result | Qualifier | Result | Qualifier | Result | Qualifier | Result | Qualifier | Result | Qualifier | Result | Qualifier |
| Analyte | Criteria | Unit | nesure | quanner | nesure | quanner | nesure | quanner | nesure | quanner | nesure | quanner | nesure | quaimer | nesure | quanner | nesure | quainer |
| Acesulfame K | NC | μg/L | <0.0096 | U | 0.0097 | | 0.24 | ŀ | 3.3 | | 2.3 | | 2.2 | | 0.12 | | 0.02 | |
| Sucralose | NC | μg/L | <0.024 | U | 0.38 | | 12 | | 3.2 | | 2.1 | | 2 | | <0.024 | | <0.024 | |
| Notes: | | | | | | | | | | | | | | | | | | |
| Sample Type Code: N - Normal, FD | -Field Duplica | te | | | | | | | | | | | | | | | | |
| µg/L - microgram per liter = parts | per billion (ppb | o) | | | | | | | | | | | | | | | | |
| NC - No criteria currently exists | | | | | | | | | | | | | | | | | | |
| U - Compound was not detected a | t the reporting | limit s | shown | | | | | | | | | | | | | | | |
| Bold - Indicates the compound wa | as detected | | | | | | | | | | | | | | | | | |

Table 4C Algonquin Middle School Groundwater, Nitrate Nitrite Results

| | Client Samp | ole ID: | AMS-OW-0 | 1-20220919 | AMS-OW-0 | 2-20220920 | AMS-OW-0 | 03-20220920 | AMS-OW-0 | 04-20220920 | AMS-OW-0 | 5-20220920 | FIELD DUF | P-20220920 | AMS-OW-0 | 6-20220920 | AMS-OW-0 | 8-20220919 |
|----------------|---------------------------|---------|----------|------------|----------|------------|----------|-------------|----------|-------------|----------|------------|-----------|------------|----------|------------|----------|------------|
| | Lab Samp | | | 81-01 | 22111 | 74-01 | 2211 | 174-02 | 2211 | 174-03 | 2211 | 74-04 | 22111 | 74-06 | 22111 | 74-05 | 22110 | 081-02 |
| | Locatio | on ID: | AMS-0 | DW-01 | AMS-0 | DW-02 | AMS- | -OW-03 | AMS | -OW-04 | AMS- | DW-05 | AMS-0 | DW-05 | AMS- | OW-06 | AMS- | OW-08 |
| | Sample | Date: | 9/19 | /2022 | 9/20 | /2022 | 9/20 | 0/2022 | 9/20 | 0/2022 | 9/20 | /2022 | 9/20 | /2022 | 9/20 | /2022 | 9/19 | /2022 |
| | Sample Type | Code: | 1 | N | 1 | V | | N | | N | | N | F | D | | N | | N |
| Analyte | NYS Class GA ¹ | Unit | Result | Qualifier | Result | Qualifier | Result | Qualifier | Result | Qualifier | Result | Qualifier | Result | Qualifier | Result | Qualifier | Result | Qualifier |
| Nitrate (as N) | 10 | mg/L | 0.61 | | 0.22 | | 14 | 1 H-04 | 9.6 | 5 H-04 | 8.2 | H-04 | 8.0 | H-04 | 3.8 | MS-07 | 0.13 | |
| Nitrite (as N) | 1 | mg/L | < 0.100 | U | < 0.100 | U | < 0.100 | U | < 0.100 | U | < 0.100 | U | < 0.100 | U | < 0.100 | U | < 0.100 | U |

Notes:

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

Sample Type Code: N - Normal, FD -Field Duplicate

mg/L - milligram per liter = parts per million (ppm)

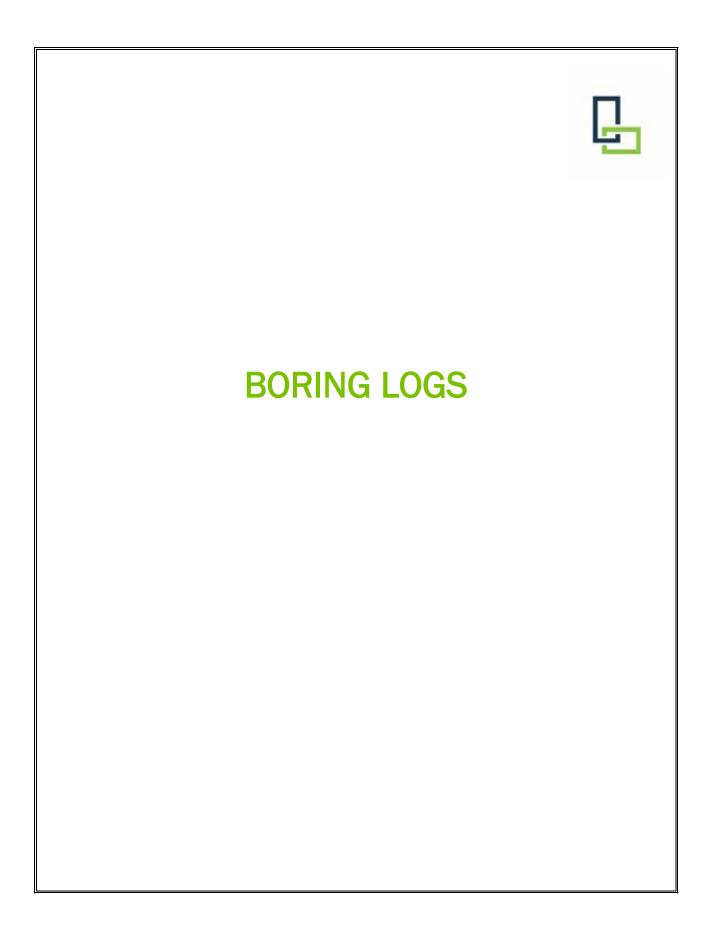
U - Compound was not detected at the reporting limit shown

H-04 - Initial analysis within holding time. Reanalysis for required dilution was past holding time

MS-07 - Matrix spike recovery is outside of control limits. Possible low bias for reported result

Bold - Indicates the compound was detected

Highlighted - Indicates the compound was detected above applicable criteria



| MONITORING WELL / BORI | NG NO. AMS-OV | <u>N-01 /</u> AMS-SB-01 |
|--|--|--|
| Site Name: | Middle School Date Drille | |
| Location: 333 RT 351, Poestenkill, N | Drilling Co. | Clean Globe Environmental Powered by partnership. |
| Client: ^{NYSDEC} | Driller:^ | Mario Pineda Soil Samples Collected: |
| Phone No.: N/A | Logged by | B. Baulsir AMS-SB-01 0-2" AMS-SB-01 2-12" |
| Drilling Method: Geoprobe 7822 D | DT (Dia): 2" Samplin | g Method: Macro Core (Dia): 2" AMS-SB-01 72-84" |
| _ | | d TD: <u>See samples collected (</u> Dia): 2" |
| Well TD: ^{9'} | | |
| Screen Interval:9-4'SI | ot Size: ^{0.010"} | Diameter:2-inch |
| Cased Interval: <u>4.0-0'</u> Ty | /pe: ^{PVC} | Diameter:2-inch |
| Sand Pack Interval:9-2' | Type:#2 | Wellhead Prot: Flush Mount |
| Bentonite Seal Interval: 2- | 0.5' Type: Chips | Grouted Interval: ^{N/A} |
| | | |
| Depth Monitoring Well (Feet) Construction | Recovery; PID (ppm): | Description / Soil Classification |
| | | |
| Concrete | Hand cleared 6.1 | 0" - 1.0' Brown, dry, fine SAND and SILT, some fine Gravel |
| Bentonite 2" PVC Riser | S-1: 1.0' - 5.0' Rec: 3.5'/4.0' < 1.0 | some shale fragments, some fine rounded Gravel (fill material) |
| 5 #2 Well Sand | 1.0 | 4.5' - 9.0' Gray, dry, SILT and fine SAND some weathered rock becomes wet at 7 fbg |
| 5 #2 Well Sand 10 Slot PVC Riser | S-2: 5.0' - 9.0' | |
| PVC Screen | Rec: 4.0'/4.0' < 1.0 | |
| | | Weathered bedrock (shale) fragments in sampler to end of boring (refusal) @ 9 9' |
| | | |
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| Monitoring Well Completion / Boring Lo | og drafted by LaBella Associat | es, D.P.C. PAGE of |

| MONITO | RING WELL / BORI | NG NO. AM | S-OV | / <u>-02 /</u> AMS-SB-02A | |
|-----------------|---|------------------------------------|-------------------|--|---|
| Site Nam | e: NYSDEC - Algonquin M | liddle School_Dat | e Drilled | August 23, 2022 | LaBella |
| Location | 333 RT 351, Poestenkill, N | / Dril | ling Co.: | Clean Globe Environmental | Former Powered by partnership. |
| Client: | YSDEC | Dril | ler: ^M | ario Pineda | Soil Samples Collected: AMS-SB-02A 0-2" |
| Phone N | 0.: N/A | Log | iged by:_ | S. Vaverchak | AMS-SB-02A 2-12" |
| Drilling M | lethod: | T(Dia): <u>2"</u> | ampling | Method: Macro Core (Dia): 2" | AMS -SB-02A 144-156" |
| Drilled T | D: 16' | (Dia): <u>2"</u> S | ampled | TD: See samples collected (Dia): | |
| Well TD: | 16' | (Dia): <u>2"</u> V | Vell Type | e:PVC | |
| Screen Ir | nterval: <u>16'-6'</u> Slo | ot Size:0. | 010" | _Diameter:_2" | |
| Cased In | terval: <u>6.0' - Grade</u> Ty | pe: ^{PVC} | | _Diameter:2" | |
| Sand Pa | ck Interval: <u>16' - 4.0'</u> | Туре: | #2 | _Wellhead Prot: Flush Mount | |
| Bentonite | e Seal Interval <u>: 4.0'-2</u> | Type: | chips | _Grouted Interval: | |
| Depth (Feet) | Monitoring Well Construction | Recovery; | PID (ppm): | Descriptio | n / Soil Classification |
| 2"_ 0 | cap <u>8" road bo</u> x | | | | |
| | Concrete | Hand cleared | 2.7 | 0" - 1.0' Brown, dry, organics, coarse | e to fine SAND some Gravel |
| | Native Soil & Well Sand Bentonite | S-1: 1.0' - 5.0' Rec: 2.0'/4.0' | < 6.0 | 1.0' - 5.0' Brown fine to medium SAN | D and GRAVEL fragments (fill) |
| | | | | 5.0' - 16' Brown fine to medium SANI | D, some Silt, intermittent Gravel layers (fill) |
| | 2" PVC Riser | S-2: 5.0' - 10' Rec: 2.0'/5.0' | < 1.0 | | |
| | #2 Well Sand | S-3: 10' - 15' Rec: 5.0'/5.0' | < 1.0 | ¥ Wet at 13.0' | |
| | 10 Slot | S-4: 15' - 16' Rec: 1.0'/1.0' | < 1.0 | End of boring (refusal), gray sh | nale fragments in sampler shoe @ 16' |
| 20 | <u>PVC Scree</u> n | | | | 16 |
| 30 | | | | | |
| | | | | | |
| 35 | Well Completion / Boring Log | n drafted by LoBella | Associator | | PAGE of |

| Drilled TD: 14.5' Well TD: 14.5 Screen Interval: 14.5' - 4.5' S Cased Interval: 4.5' - Grade T | ool Date JY Drilli Drilli Drilli Drilli Drilli Drilli Logg DT Dia): Sa Dia): W Iot Size: 0.010 ype: Sch 40 P 2.5' Type: #2 | e Drilled ng Co.: er:^ ged by: ampling ampled /ell Type o | August 24, 2022 Clean Globe Environmental ario Pineda B. Baulsir Method: Macro Core (Dia): 2" TD: See samples collected (Dia): PVC Diameter: 2-inch Diameter: 2-inch Wellhead Prot: Flush Mount | Soil Samples Collected: AMS-SB-03 0"-2" AMS-SB-03 0"-2" MS/MSD AMS-SB-03 2"-12" AMS-SB-03 84"-96" |
|---|---|--|--|---|
| Depth (Feet) Monitoring Well Construction 0 | Rec: 4.0'/4.0' | PID (ppm): 2.7 < 1.0 < 1.0 6.2 | 0.0' - 1.0' Brown, dry, organics, fine 1.0' - 5.0' Brown, dry, fine SAND and interbedding SILT bands fr 5.0' - 10' Brown, dry, fine SAND and size with depth to approxim ↓ Wet at 8.5' | fine GRAVEL some Silt. Gravel increasing in |
| Monitoring Well Completion / Boring L | l og drafted by LaBella | Associates | s, D.P.C. | PAGE of |

| MONITORING WELL / BOR | | | | | | | | |
|--|--|----------------|--|--|--|--|--|--|
| Site Name:Algonquin Middle Sch | | | | | | | | |
| Location: 333 RT. 351 Poestenkill, N | ^{IY} Drilli | ng Co.: | Clean Globe Environmental | Powered by parciership. | | | | |
| | Client: NYSDEC Driller: Mario Pineda Soil Samples Collected: AMS-SB-04 0"-2" | | | | | | | |
| Phone No.: N/A Logged by: S. Vaverchak AMS-SB-04 2"-12" | | | | | | | | |
| | | | Method: Macro Core (Dia): 2" | AMS-SB-04 168" - 180" | | | | |
| | Drilled TD: 18' (Dia): 2" Sampled TD: See samples collected (Dia): | | | | | | | |
| Well TD: ^{18'} | (Dia): <u>2"</u> W | /ell Type | e: | | | | | |
| Screen Interval: <u>18'-8.0'</u> S | | | | | | | | |
| Cased Interval: <u>8.0'-grade</u> T | ype:Sch 40 P | VC | _ Diameter: ^{2-inch} | | | | | |
| Sand Pack Interval: 18' - 6. | <u>º'</u> Type <u>: #2</u> | | _Wellhead Prot: Flush Mount | | | | | |
| Bentonite Seal Interval: 6.0 | <u>'-4.0'</u> Туре: <u>в</u> | Benchips | _Grouted Interval: <u>NA</u> | | | | | |
| Depth Monitoring Well | Deceiver | PID | Descriptio | | | | | |
| Depth (Feet) Monitoring Well Construction 2" cap 8" road box | Recovery; | (ppm): | Descriptio | n / Soil Classification | | | | |
| | Hand cleared | 2.9 | 0.0' 1.0' Brown dry organics fine | SAND and SILT (topsoil) | | | | |
| Concrete Native Soil & | S-1: 1.0' - 5.0' | _ 2.9 | 0.0' - 1.0' Brown, dry, organics, fine SAND and SILT (topsoil) 1.0' - 15' Brown, dry, fine SAND some Silt. Increasing medium and coarse | | | | | |
| Well Sand | Rec: 2.5'/4.0' | 4.8 | | | | | | |
| 5 Bentonite | | | | | | | | |
| | | | | | | | | |
| 2" PVC Riser | S-2: 5.0' - 10' Rec: 4.0'/5.0' | 3.6 | | | | | | |
| | | | | | | | | |
| | | | Brown, moist - wet, mediu | m to coarse SAND, some Silt. Wet at 15' | | | | |
| #2 Well Sand | S-3: 10' - 15' Rec: 3.0'/5.0' | 3.1 | | | | | | |
| | 100. 0.070.0 | | ▼ | | | | | |
| 15 | S-4: 15' - 18' | | 15' - 16' Brown, wet, fine SAND | | | | | |
| PVC Screen | Rec: 3.0'/3.0' | < 1 <u>.</u> 0 | 16' -18' Brown, wet SILTY CLAY, s | shale fragments to sampler refusal @ 18' | | | | |
| | | | | 18' | | | | |
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| 35 _J Monitoring Well Completion / Boring Lo | og drafted by LaBella | Associates | 5. D.P.C. | PAGE <u>1</u> of <u>1</u> | | | | |
| | a aranda by Labella | | ·, | | | | | |

| MONITORING WELL / BORI | NG NO. AM | <u>S-0N</u> | <u>/-05 /</u> A | MS-SB-05 | - | | | |
|---|--|---------------|-----------------|--|---|--|--|--|
| Site Name: NYSDEC - Algonquin I | Viddle School Date | e Drilled | August | t 22, 2022 | LaBella | | | |
| Location: 333 RT 351, Poestenkill, NY Drilling Co.: Clean Globe Environmental Powered by partnership. | | | | | | | | |
| Client: NYSDEC | Client: NYSDEC Driller: Mario Pineda Soil Samples Collected: | | | | | | | |
| Phone No.: | | | | lsir | AMS-SB-05 0-2" AMS-SB-05 2-12" | | | |
| Drilling Method: | | | | | AMS-SB-05 180-192" | | | |
| Drilled TD: ^{17'} | (Dia): <u>2"</u> S | ampled | TD: see sa | mples collected (Dia): | Duplicate Parent SB-05 0-2" | | | |
| Well TD: ^{17'} | (Dia): <u>2"</u> W | Vell Type | e:P | VC | | | | |
| Screen Interval: <u>17-7'</u> SI | ot Size: 0.01 | 0" | _Diamete | er: ^{2_inch} | | | | |
| Cased Interval: <u>7-0'</u> Ty | /pe: | | _Diamete | er: 2-inch | | | | |
| Sand Pack Interval: 17-5' | Type <u>: #2</u> | 2 | _Wellhea | ad Prot: Flush Mount | | | | |
| Bentonite Seal Interval: <u>5-3</u> | Type:_Cl | nips | _ Grouted | d Interval: | | | | |
| | [| [] | | | | | | |
| Depth Monitoring Well (Feet) Construction | Recovery; | PID (ppm): | | Descriptio | on / Soil Classification | | | |
| 2" cap 8" road box | | | | | | | | |
| Concrete | Hand cleared | < 1.0 | 0" - 1.0' | Brown, dry, organics, fine Gravel (shale fragments) | SAND and SILT (topsoil) trace small angular | | | |
| Native Soil & Well Sand | S-1: 1.0' - 5.0' | 7.8 | 1.0' - 5.5' | Brown, dry, fine SAND a | | | | |
| Bentonite | Rec: 3.0'/4.0' | | | | | | | |
| 5 - | | | 5.5' - 6.5' | Brown, dry, coarse to fine | SAND trace Silt | | | |
| 2" PVC Riser | S-2: 5.0' - 10' Rec: 2.5'/5.0' | 8.7 | 6.5' - 17' | Brown, dry, fine SAND an | d SILT becomes wet at 15 fbg | | | |
| | 100. 2107510 | | | | | | | |
| | | | | | | | | |
| | S-3: 10' - 15' | 3.2 | | | | | | |
| | Rec: 5.0'/5.0' | | | | | | | |
| | S-4: 15' - 17' | | ⊻ | | | | | |
| 10 Slot PVC Screen | Rec: 2.0'/2.0' | 3.1 | | End of boring (refusal), sh | nale fragments in sampler shoe @ 17' | | | |
| | | | | | 17' | | | |
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| Monitoring Well Completion / Boring Lo | g drafted by LaBella | Associates | s, D.P.C. | | PAGE of | | | |

| MONITORING WELL / BORI | NG NO. AM | S-ON | | |
|--|-----------------------------------|---|---|-----|
| Site Name: NYSDEC - Algonquin M | | | | |
| Location: 333 RT 351, Poestenkill, N | ^Y Drill | Clean Globe Environmental Powered by partnership. | | |
| Client: NYSDEC | Drill | Aario Pineda Soil Samples Collected: | | |
| Phone No.: N/A | Log | iged by: | . B. Baulsir AMS-SB-06 0"- 2" AMS-SB-06 2"-12" | |
| Drilling Method: Geoprobe 7822 D | T(Dia): <u>2"</u> S | ampling | g Method: <u>Macro Core</u> (Dia): 2" AMS-SB-06 216" - 240" | |
| | | • | TD: see samples collected (Dia): | |
| Well TD: 24' | (Dia): <u>2</u> "V | Vell Typ | De: | |
| Screen Interval: <u>24'-14'</u> Slo | ot Size: 0.01 | 0" | Diameter:_ ^{2-inch} | |
| Cased Interval: <u>14' - Grade'</u> Ty | rpe: ^{PVC} | | Diameter: 2-inch | |
| Sand Pack Interval: 24'-12' | Type: <i>#</i> 2 | 2 | Wellhead Prot: <u>Flush Mount</u> | |
| Bentonite Seal Interval <u>: 12'- 10'</u> | Type:_ci | hips | Grouted Interval:N/A | |
| | | | | |
| Depth Monitoring Well (Feet) Construction | Recovery; | PID (ppm): | Description / Soil Classification | |
| 2" cap 8" road box | | | | |
| Concrete | Hand cleared | 4.3 | 0.0' - 1.0' Brown, dry, organics, fine SAND and SILT (topsoil) 1.0' - 12' Brown, dry, medium to fine SAND and SILT | _ |
| | S-1: 3.0' - 5.0' | 6.7 | | |
| 5 | Rec: 2.0'/2.0' | | | |
| Native Soil & Well Sand | S-2: 5.0' - 10' Rec: 2.5'/5.0' | 1.3 | | |
| 10 - Bentonite | S-3: 10' - 15' Rec: 2.5'/5.0' | < 1.0 | 12' - 13' Brown, dry, coarse to fine SAND, SILT, fine GRAVEL 13' - 19' Brown, dry, wet at 17', interbedded coarse to fine SAND and SILT lamina, | |
| 10 Slot | S-4: 15' - 20' Rec: 4.0'/5.0' | < 1.0 | wet at 17' <u>19'</u> - 24' Brown , wet, fine SAND and SILT to shale fragments in sampler shoe @ 24 | |
| | S-5: 20' - 24' Rec: 4.0'/4.0' | < 1.0 | | |
| 25 _ | | | | 24' |
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| Monitoring Well Completion / Boring Lo | g drafted by LaBella | Associate: | es, D.P.C. PAGE <u>1</u> of <u>1</u> | |

| MONITORING WELL / BOR | ING NO. AMS | 6-0W | <u>/-07 /</u> Al | MS-SB-07 | | | |
|---|--|---------------|----------------------------|---|--------------------------------------|--|--|
| Site Name: NYSDEC - Algonquin | Middle School Date | Drilled | August 22 | 2, 2022 | L- LaBella | | |
| Location: 333 RT 351, Poestenkill, NY Drilling Co.: Clean Globe Environmental Powered by partnership. | | | | | | | |
| Client: NYSDEC Driller: Mario Pineda Soil Samples Collected: | | | | | | | |
| Phone No.: N/A Logged by: B. Baulsir AMS-SB-07 0" - 2" AMS-SB-07 0" - 2" | | | | | | | |
| Drilling Method: Geoprobe 7822 | DT(Dia):2" Sa | mpling | Method: | lacro Core <u>(</u> Dia) <u>:</u> 2" | AMS-SB-07 120" - 132" | | |
| | Drilled TD: <u>12'</u> (Dia): <u>2</u> " Sampled TD: <u>see samples collected</u> (Dia): <u>Clia</u> | | | | | | |
| Well TD: | | | | | | | |
| Screen Interval: <u>11'-6.0'</u> S | | | | | | | |
| Cased Interval: <u>6.0' - Grade'</u> T | | | | | | | |
| Sand Pack Interval: <u>12'-4.0'</u> | • | | | | | | |
| Bentonite Seal Interval <u>:4.0'-2</u> | .0' Type: <u>Chip</u> | s | _Grouted | Interval: <u>N/A</u> | | | |
| Depth Monitoring Well (Feet) Construction | Recovery; | PID (ppm): | | Descriptio | n / Soil Classification | | |
| 2" cap 8" road box | Hand cleared | 6.6 | 0.0' - 1.0' 1.0' - 1.5' | Black, dry, organics, co SHALE fragments | arse to fine SAND and SILT (topsoil) | | |
| Concrete | S-1: 1.5' - 5.0' | | 1.5' - 2.0' | Gray, dry, fine to coarse | SAND, fine Gravel, Silt | | |
| Native Soil & Well Sand | Rec: 2.5'/3.5' | 7.1 | 2.0' - 10' | Brown, dry, coarse to fir | ne SAND and Silt | | |
| 5 Bentonite | | | | | | | |
| 2" PVC Riser | S-2: 5.0' - 10' | | | | | | |
| | Rec: 4.0'/5.0' | 9.1 | | | | | |
| 10 Slot | | | | | | | |
| PVC Screen | S-3: 10' - 12' Rec: 2.0'/2.0' | < 1.0 | 10' - 12' | Gray, dry, shale fragme | nts to sampler refusal @ 12' | | |
| #2 Well Sand | - | | | | 12' | | |
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| Monitoring Well Completion / Boring L | og drafted by LaBella A | ssociates | s, D.P.C. | | PAGE _ 1 _ of _ 1 | | |

| MONITORING WELL / BORING NO. | -0W- | -08 / AMS-SB-08A | | | | | | |
|---|---|--|--|--|--|--|--|--|
| Site Name: Nate | Drilled | | | | | | | |
| Location: 333 RT. 351 Poestenkill, NY Drilli | Location: 333 RT. 351 Poestenkill, NY Drilling Co.: Clean Globe Environmental Powered by partnership. | | | | | | | |
| Client: NYSDEC Driller: Mario Pineda Soil Samples Collected: | | | | | | | | |
| Phone No.:_N/A Logo | B. Baulsir AMS-SB-08A 0"- 2" AMS-SB-08A 2" - 12" | | | | | | | |
| Drilling Method: Geoprobe 7822 DT (Dia): 2" Sa | ampling | | | | | | | |
| Drilled TD: <u>17'</u> (Dia): <u>2</u> " Sa | ampled | | | | | | | |
| Well TD:(Dia):2"W | ell Type | e: | | | | | | |
| Screen Interval: <u>17' - 7'</u> Slot Size: 0.010 | " | Diameter: ^{inch} | | | | | | |
| Cased Interval: _ ^{7.0' - Grade'} Type: ^{PVC} | | Diameter:_ ^{2-inch} | | | | | | |
| Sand Pack Interval: <u>17'-5.0'</u> Type: <u>#2</u> | | Wellhead Prot: <u>Flush Mount</u> | | | | | | |
| Bentonite Seal Interval: 5.0' - 3.0' Type: Chi | ips | Grouted Interval:_ ^{N/A} | | | | | | |
| | | | | | | | | |
| Depth Monitoring Well (Feet) Construction Recovery; | PID (ppm): | Description / Soil Classification | | | | | | |
| 2" cap 8" road box | | | | | | | | |
| Concrete Hand cleared | _< 1.0 | 0.0' - 1.0' Dark Brown, dry, organics, coarse to fine SAND, some silt | | | | | | |
| Native Soil & Well Sand S-1: 1.0' - 5.0' Bontonito Rec: 2.0'/4.0' | 1.6 | and fine GRAVEL (angular shale fragments), some Silt | | | | | | |
| Bentonite | | 4.0' - 15' Light Brown, dry, fine SAND and SILT, | | | | | | |
| | | little angular shale fragments | | | | | | |
| S-2: 5.0' - 10' <u>2'' PVC Riser</u> Rec: 5.0'/5.0' | 3.7 | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| #2 Well Sand S-3: 10' - 15' | 5.1 | | | | | | | |
| Rec: 5.0'/5.0' | | | | | | | | |
| 15 | 11 | 15' - 17' Gray, dry, fine SAND and SILT some weathered gray shale to refusal @ 17' | | | | | | |
| | | 17' | | | | | | |
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| 20 - | | | | | | | | |
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| 35 | | | | | | | | |
| Monitoring Well Completion / Boring Log drafted by LaBella | Associates | s, D.P.C. PAGE 1 of 1 | | | | | | |



WELL DEVELOPMENT LOGS

Site Name Algonquin Middle School Site Location Averill Park, NY Well ID AMS-OW-01 Sampled By BB+NW

Well Information

| Flush Mount or Riser | Flush |
|---------------------------|-------|
| Measuring Point | TOC |
| Measuring Point Elevation | |
| Depth to Water (feet) | 1.88 |
| Depth to Bottom of Well | 10.25 |

| Dia. Wel | Well Volume Multiplier |
|----------|--------------------------|
| 1 | 0.0408 |
| 1.5 | 0.0918 |
| 2 | 0.1631 |
| 3 | 0.3670 |
| 4 | 0.6525 |
| 5 | 1.0195 |
| 6 | 1.4681 |
| 8 | 2.6100 |
| 10 | 4.0782 |
| 12 | 5.8726 |
| | u Longth of Water Column |

Well Volume Gallons = Multiplier x Length of Water Column

Stabilization is achieved when the following changes are noted over three consecutive 3-5 minute readings: \pm 0.1 change in pH

Aztech Environmental

A LaBella Company

$\pm\,3\%$ change in conductivity

| Date | 8/30/2022 |
|-------------------------|--------------------|
| Weather | Hot 90's Humid |
| Purging Equipment | Peristaltic |
| Sampling Equipment | Peristaltic/Horiba |
| Decon Method | Alconox |
| Riser Diameter | 2" |
| Well Volume Calculation | |

| Time | Volume Removed (Gallons) | Turbidity (NTU) | рН | Temperature (F) | Dissolved O2 (mg/L) | Conductivity (mS/cm) | ORP (mV) | Depth to Water | Pumping Rate |
|------|--------------------------|-----------------|---------------|-----------------|------------------------|-------------------------|----------|-------------------|-----------------|
| 810 | 5 gallons manually | | | | | | | 1.88 | |
| 834 | 5 hook up pump | | | | | | | 7.25 | |
| 905 | 8 | 169 | 8 <u>.</u> 19 | 17.2 | 2.40 | 2.41 | 72 | 6.22 | |
| 910 | 8.5 | 68.9 | 8.18 | 17.19 | 2.84 | 2.40 | 87 | 6.25 | |
| 916 | 10 | 37.2 | 8.19 | 17.19 | 2.48 | 2.41 | 102 | 6.32 | |
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| | Site Name | Algonquin Middle | e Schoo | | | | | | |
| | Site Location | Averill Park, NY AMS-OW-02 | _ | | | | - | | |
| | Well ID | AMS-OW-02 | | | | Azte | ech Env | ironme | ental |
| | Sampled By | BB+NW | J | | | | | | |
| | Well Informatio | n | | | | | A LaBella | Company | |
| | Flush Mount or Riser | Flush |] | | | | | | |
| | | TOC | - | Stabilization is achie | ved when the following | g changes are noted | | | |
| | Measuring Point Measuring Point Elevation | 100 | - | over three | consecutive 3-5 minut ± 0.1 change in pH | e readings: | | | |
| | | | | | ± 0.1 change in pH | | | | |
| | Depth to Water (feet) | 11.10 | | 10 | % change in conducti | | | | |
| | Depth to Bottom of Well | 16.11 | | | - | | | | |
| | | 10.11 |] | | 0 millivolt change in O change in DO and Tu | | | | |
| | | | | ± 10% | change in DO and Tu | irbidity | | | |
| | Dia. Well | Well Volume Multiplier |] | | nte | 8/30/2022 | | | |
| | 1 1.5 | 0.0408 0.0918 | - | Burging E | ther guipment | Hot 90's Humid Peristaltic | - | | |
| | 2 | 0.1631 | | Sampling | Equipment | Peristaltic/Horiba | 1 | | |
| | 3 | 0.3670 | | Decon | quipment Equipment Method | Alconox 2" | | | |
| | 4 5 | 0.6525 1.0195 | - | Riser D | iameter Calculation | 2" 0.82 | - | | |
| | 6 | 1.4681 | - | | | 0.62 | 1 | | |
| | 8 | 2.6100 | | | | | | | |
| | 10 | 4.0782 | | | | | | | |
| | 12 | 5.8726 | | | | | | | |
| | Well Volume Gallons = Multiplier x Le | ngth of Water Column | | | | | | | |
| | L | | J | | | | | | |
| | I | | 1 | I | | | 1 | I | |
| Time | Volume Removed (Gallons) | Turbidity (NTU) | рН | Temperature (F) | Dissolved O2 | Conductivity | ORP (mV) | Depth to | Pumping |
| | | , , | I. | () | (mg/L) | (mS/cm) | - () | Water | Rate |
| 1120 | 2.5 gollong manually | | | | | | | 11 10 | |
| 1120 | 2.5 gallons manually | | | 1 | | | | 11.10 | |
| | | | | | | I | I | | |
| 1130 | 3 | | | pump used | l no horiba | | | 14.91 | |
| | | | | | | | | - | |
| | | | | | | | | | |
| 1200 | 3.5 | | | | | | | 15.70 | |
| | | | | allowed r | echarge | | | | |
| | | | | allowed i | echarge | | | | |
| 1215 | 3.5 | | | | | | | 14.30 | |
| | | | 1 | 1 | | | 1 | | |
| | | | | | | | | | |
| 1220 | 3.75 | 76.3 | 7.66 | 23.79 | 2.91 | 0.472 | 161 | 13.62 | |
| | | | 1 | | | | | | |
| 1225 | 4 | 38 | 7.69 | 23.60 | 0.0 | 0.469 | 156 | 13.75 | |
| 1220 | 4 | 30 | 7.09 | 23.00 | 0.0 | 0.409 | 150 | 13.75 | |
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Site Name Algonquin Middle School Site Location Averill Park, NY Well ID AMS-OW-03 Sampled By BB+NW

Well Information

| Flush Mount or Riser | Flush |
|---------------------------|-------|
| Measuring Point | TOC |
| Measuring Point Elevation | |
| Depth to Water (feet) | 7.59 |
| Depth to Bottom of Well | 13.92 |

| Dia. We | Well Volume Multiplier |
|---------------------------------------|------------------------|
| 1 | 0.0408 |
| 1.5 | 0.0918 |
| 2 | 0.1631 |
| 3 | 0.3670 |
| 4 | 0.6525 |
| 5 | 1.0195 |
| 6 | 1.4681 |
| 8 | 2.6100 |
| 10 | 4.0782 |
| 12 | 5.8726 |
| Mally (aligned Oplinger – Malfalians) | |

Well Volume Gallons = Multiplier x Length of Water Column

Stabilization is achieved when the following changes are noted over three consecutive 3-5 minute readings: \pm 0.1 change in pH

Aztech Environmental

A LaBella Company

$\pm\,3\%$ change in conductivity

| Date | 8/30/2022 |
|-------------------------|--------------------|
| Weather | Hot 90's Humid |
| Purging Equipment | Peristaltic |
| Sampling Equipment | Peristaltic/Horiba |
| Decon Method | Alconox |
| Riser Diameter | 2" |
| Well Volume Calculation | 1.03 |

| Time | Volume Removed (Gallons) | Turbidity (NTU) | pН | Temperature (F) | Dissolved O2 (mg/L) | Conductivity (mS/cm) | ORP (mV) | Depth to Water | Pumping Rate |
|------|--------------------------|-----------------|------|-----------------|------------------------|-------------------------|----------|-------------------|-----------------|
| 1232 | 4.5 gallons manually | | | | (mg/L) | (mo/cm) | | 7.59 | Nate |
| 1247 | 6.5 | | | pump used | ,no horiba | | | 7.59 | |
| 1320 | 7.5 | 15 | 7.82 | 22.78 | 2.91 | 0.742 | 154 | 7.59 | |
| 1331 | 8.5 | 16 | 7.86 | 21.18 | 0.0 | 0.778 | 163 | 7.69 | |
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Site Name Algonquin Middle School Site Location Averill Park, NY Well ID AMS-OW-04 Sampled By BB+NW

Well Information

| Flush Mount or Riser | Flush |
|---------------------------|-------|
| Measuring Point | TOC |
| Measuring Point Elevation | |
| Depth to Water (feet) | 13.74 |
| Depth to Bottom of Well | 17.95 |

| Dia. We | Well Volume Multiplier |
|-----------------------------------|--------------------------|
| 1 | 0.0408 |
| 1.5 | 0.0918 |
| 2 | 0.1631 |
| 3 | 0.3670 |
| 4 | 0.6525 |
| 5 | 1.0195 |
| 6 | 1.4681 |
| 8 | 2.6100 |
| 10 | 4.0782 |
| 12 | 5.8726 |
| Mall Malures College - Multiplier | v Leveth of Woter Column |

Well Volume Gallons = Multiplier x Length of Water Column

Stabilization is achieved when the following changes are noted over three consecutive 3-5 minute readings: \pm 0.1 change in pH

Aztech Environmental

A LaBella Company

$\pm\,3\%$ change in conductivity

| Date | 8/30/2022 |
|-------------------------|--------------------|
| Weather | Hot 90's Humid |
| Purging Equipment | Peristaltic |
| Sampling Equipment | Peristaltic/Horiba |
| Decon Method | Alconox |
| Riser Diameter | 2" |
| Well Volume Calculation | 0.69 |

| Time | Volume Removed (Gallons) | Turbidity (NTU) | pН | Temperature (F) | Dissolved O2 (mg/L) | Conductivity (mS/cm) | ORP (mV) | Depth to Water | Pumping Rate |
|------|--------------------------|-----------------|------|-----------------|------------------------|-------------------------|----------|-------------------|-----------------|
| 1020 | 3 gallons manuall | | | | | | | 13.74 | |
| 1030 | pump with no horiba 4.5 | | | | | | | 15.2 | |
| 1045 | 4.5 | 286 | 7.90 | 17.04 | 8.39 | 0.364 | 152 | 14.13 | |
| 1100 | 5.75 | 122 | 7.74 | 14.33 | 6.03 | 0.371 | 175 | 14.15 | |
| 1108 | 6.75 | 34.3 | 7.75 | 14.87 | 6.35 | 0.371 | 176 | 14.15 | |
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Site Name Algonquin Middle School Site Location Averill Park, NY Well ID AMS-OW-05 Sampled By BB+NW

Well Information

| Flush Mount or Riser | Flush |
|---------------------------|-------|
| Measuring Point | TOC |
| Measuring Point Elevation | |
| Depth to Water (feet) | 14.30 |
| Depth to Bottom of Well | 16.80 |

| Dia. Wel | Well Volume Multiplier | | | | |
|---|------------------------|--|--|--|--|
| 1 | 0.0408 | | | | |
| 1.5 | 0.0918 | | | | |
| 2 | 0.1631 | | | | |
| 3 | 0.3670 | | | | |
| 4 | 0.6525 | | | | |
| 5 | 1.0195 | | | | |
| 6 | 1.4681 | | | | |
| 8 | 2.6100 | | | | |
| 10 | 4.0782 | | | | |
| 12 | 5.8726 | | | | |
| Wall Valuma Gallans = Multiplier x Langth of Water Column | | | | | |

Well Volume Gallons = Multiplier x Length of Water Column

Stabilization is achieved when the following changes are noted over three consecutive 3-5 minute readings: \pm 0.1 change in pH

Aztech Environmental

A LaBella Company

$\pm\,3\%$ change in conductivity

| Date | 9/1/2022 |
|-------------------------|--------------------|
| Weather | 80s sunny |
| Purging Equipment | Peristaltic |
| Sampling Equipment | Peristaltic/Horiba |
| Decon Method | Alconox |
| Riser Diameter | 2" |
| Well Volume Calculation | 0.41 |

| Time | Volume Removed (Gallons) | Turbidity (NTU) | pН | Temperature (F) | Dissolved O2 (mg/L) | Conductivity (mS/cm) | ORP (mV) | Depth to Water | Pumpin Rate |
|------|--------------------------|-----------------|---------------|-----------------|------------------------|-------------------------|----------|-------------------|----------------|
| 940 | 2 purged with bailer | | | | (119/2) | (meroni) | | Trato. | - Tuto |
| 950 | 3.0 | | | pump used w | ith no horiba | | | 14.77 | |
| 1000 | 3.5 | 90.4 | 7 <u>.</u> 58 | 13.49 | 6.82 | 0.261 | 163 | 14.62 | |
| 1010 | 4.0 | 12 | 7.50 | 13.31 | 7.85 | 0.262 | 182 | 14.61 | |
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Site Name Algonquin Middle School Site Location Averill Park, NY Well ID AMS-OW-06 Sampled By BB+NW

Well Information

| Flush Mount or Riser | Flush |
|---------------------------|-------|
| Measuring Point | TOC |
| Measuring Point Elevation | |
| Depth to Water (feet) | 17.53 |
| Depth to Bottom of Well | 24 |

| Dia. We l | Well Volume Multiplier | | | | | |
|---|------------------------|--|--|--|--|--|
| 1 | 0.0408 | | | | | |
| 1.5 | 0.0918 | | | | | |
| 2 | 0.1631 | | | | | |
| 3 | 0.3670 | | | | | |
| 4 | 0.6525 | | | | | |
| 5 | 1.0195 | | | | | |
| 6 | 1.4681 | | | | | |
| 8 | 2.6100 | | | | | |
| 10 | 4.0782 | | | | | |
| 12 | 5.8726 | | | | | |
| Well Volume Gallons = Multiplier x Length of Water Column | | | | | | |

Stabilization is achieved when the following changes are noted over three consecutive 3-5 minute readings: \pm 0.1 change in pH

$\pm\,3\%$ change in conductivity

± 10 millivolt change in ORP

| ± 10% change in DO and Turbidity |
|----------------------------------|
|----------------------------------|

| Date | 9/1/2022 |
|-------------------------|--------------------|
| Weather | 80s sunny |
| Purging Equipment | Peristaltic |
| Sampling Equipment | Peristaltic/Horiba |
| Decon Method | Alconox |
| Riser Diameter | 2" |
| Well Volume Calculation | 1.06 |

| Time | Volume Removed (Gallons) | Turbidity (NTU) | рН | Temperature (F) | Dissolved O2 (mg/L) | Conductivity (mS/cm) | ORP (mV) | Depth to Water | Pumping Rate |
|------|--------------------------------------|-----------------|------|-----------------|------------------------|-------------------------|----------|-------------------|-----------------|
| | first 5 with bailer and 5-6 with pum | p and no horiba | | | | | | | |
| 909 | 6.0 | 478 | 7.58 | 14.23 | 14.97 | 0.223 | 4.9 | 17.97 | |
| 922 | 7.0 | 206 | 7.26 | 13.27 | 5.68 | 0.208 | 143 | 17.99 | |
| 930 | 7.5 | 27.2 | 7.30 | 13.23 | 6.1400 | 0.202 | 154 | 17.97 | |
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Aztech Environmental A LaBella Company

Site Name Algonquin Middle School Site Location Averill Park, NY Well ID AMS OW-07 Sampled By BB+NW

Well Information

| Flush Mount or Riser | Flush |
|---------------------------|-------|
| Measuring Point | TOC |
| Measuring Point Elevation | |
| Depth to Water (feet) | DRY |
| Depth to Bottom of Well | 10.72 |

| Dia. We | Well Volume Multiplier | | | | | | |
|---|------------------------|--|--|--|--|--|--|
| 1 | 0.0408 | | | | | | |
| 1.5 | 0.0918 | | | | | | |
| 2 | 0.1631 | | | | | | |
| 3 | 0.3670 | | | | | | |
| 4 | 0.6525 | | | | | | |
| 5 | 1.0195 | | | | | | |
| 6 | 1.4681 | | | | | | |
| 8 | 2.6100 | | | | | | |
| 10 | 4.0782 | | | | | | |
| 12 | 5.8726 | | | | | | |
| Well Volume Gallons = Multiplier x Length of Water Column | | | | | | | |

Well Volume Gallons = Multiplier x Length of Water Column

Stabilization is achieved when the following changes are noted over three consecutive 3-5 minute readings: \pm 0.1 change in pH

Aztech Environmental

A LaBella Company

$\pm\,3\%$ change in conductivity

| Date | 9/1/2022 |
|-------------------------|--------------------|
| Weather | 80s sunny |
| Purging Equipment | Peristaltic |
| Sampling Equipment | Peristaltic/Horiba |
| Decon Method | Alconox |
| Riser Diameter | 2" |
| Well Volume Calculation | |

| Time | Volume Removed (Gallons) | Turbidity (NTU) | pН | Temperature (F) | Dissolved O2 (mg/L) | Conductivity (mS/cm) | ORP (mV) | Depth to Water | Pumping Rate |
|------|--------------------------|-----------------|----|-----------------|------------------------|-------------------------|----------|-------------------|-----------------|
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| | | | - O - I | | | | | 2017 | |
|------|--|-------------------------------|-----------------------------|---|--|-----------------------------------|-----------|----------|---------|
| | Site Name | Algonquin Middle | e School | | | | | | |
| | Well ID | Averill Park, NY AMS-OW-08 | | | | Arte | ch Env | ironme | ntal |
| | Sampled By | BB+NW |] | | | AZI | - CECONS | | intal |
| | Well Informatio | | ı | | | | A LaBella | Company | |
| | Flush Mount or Riser | Flush | | Stabilization is achie | ved when the following | changes are noted | | | |
| | Measuring Point Measuring Point Elevation | TOC | | Stabilization is achieved when the following changes are noted over three consecutive 3-5 minute readings: ± 0.1 change in pH | | | | | |
| | Depth to Water (feet) | 13.31 | | | ± 0.1 change in pH | | | | |
| | | | ± 3% change in conductivity | | | | | | |
| | Depth to Bottom of Well | 17.8 | J | | 0 millivolt change in O change in DO and Tu | | | | |
| | Dia. Well | Well Volume Multiplier | 1 | | te | 8/30/2022 | 1 | | |
| | 1 | 0.0408 | | Wea | ther | Hot 90's Humid | | | |
| | 1.5 2 | 0.0918 0.1631 | | Purging E Sampling | Equipment | Peristaltic Peristaltic/Horiba | | | |
| | 3 4 | 0.3670 0.6525 | | Decon Riser D | Method iameter | Alconox 2" | | | |
| | 5 6 | 1.0195 1.4681 | | Well Volume | Calculation | 0.732 | | | |
| | 8 | 2.6100 | | | | | | | |
| | 10 12 | 4.0782 5.8726 | | | | | | | |
| | Well Volume Gallons = Multiplier x Le | ngth of Water Column | | | | | | | |
| | | | I | | | | | | |
| Time | Volume Removed (Gallons) | Turbidity (NTU) | pН | Temperature (F) | Dissolved O2 | Conductivity | ORP (mV) | Depth to | Pumping |
| | | | | | (mg/L) | (mS/cm) | | Water | Rate |
| 935 | start | | | | | | | 13.31 | |
| | | | | | | | | | |
| 950 | 3 gallons manually | | | | | | | 16.95 | |
| | | | | | | | | | |
| 1020 | 4.0 | | | start with pur | np no horiba | | | 16.18 | |
| | | | | | | | | 17.38 | |
| 1025 | 5 allow recahrge up tp 16 ft and then hook up horiba | | | | | | | | |
| | | | | | | | | | |
| 1032 | | | start wit | h horiba | | | | 16.10 | |
| 1011 | 4.5 | 000 | 7.01 | 45.00 | 0.00 | 0.50 | 11.0 | 40.05 | |
| 1044 | 4.5 | 262 | 7.61 | 15.20 | 3.26 | 0.56 | 11.2 | 16.35 | |
| 4050 | 50 | 000 | 7.00 | 44.00 | 4.0 | 0.550 | 404 | 47.0 | |
| 1059 | 5.0 | 232 | 7.63 | 14.32 | 4.0 | 0.553 | 134 | 17.3 | |
| | <u>^</u> | 10.1 | 7.0 | A.F. A | 0.00 | 0 545 | 450 | 47.0 | |
| 1117 | 6.0 | 10.1 | 7.6 | 15.1 | 3.89 | 0.515 | 152 | 17.6 | |
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LOW FLOW STABILIZATION SAMPLING LOGS

| | Site Location | Alyncon M.S. Rossingeringering AMS-OW-OI NW | | | | Azt | ech En | k vironm | ental | |
|------|--|---|----------|--|--|--|----------|--------------------|-----------------|----|
| | Well Inform | ation | | | | | A LaBell | a Company | 1 | |
| | Flush Mount or Riser | flush | | Cabination in achi | | a channes are extend | | | | |
| | Measuring Point | TOC | - | | eved when the followi consecutive 3-5 minu | | | | | |
| | Measuring Point Elevation | va. 65 - | iess dee | Ρ. | ± 0.1 change in pH | | | | | |
| | Depth to Water Depth to Bottom of Well | 10.25 | than W | YA ±: | 3% change in conduct | Star | | | | |
| | | 10:02 | CON MIC | ± 109 | 10 millivolt change in 0 6 change in DO and T | | | | | |
| | Dia, Well 1 1.5 2 3 4 5 6 8 10 12 Well Volume Gations = Multipl Column | Well Volume Multiplier 0.0408 0.0918 0.1631 0.3670 0.6525 1.0195 1.4681 2.6100 4.0782 5.8726 ier x Length of Water | | Wea Purging E Sampling Decon Riser D | ate ather Equipment Equipment Method iameter Calculation | Pring claudy Popular Michox 1.366 x3: | | t t loght r | aiM | |
| Time | Volume Removed (Gallons) | Turbidity (NTU) | рН | Temperature (F) | Dissolved O2 (mg/L) | Conductivity (mS/cm) | ORP (mV) | Depth to Water | Pumping Rate | |
| 1100 | Runge stort | ~~~ | | | | | | | | |
| 1105 | | 68.4 | 7.70 | 22.97 | 0.35 | 2.32 | 3 | 1.68 | | >H |
| IIID | | 68.3 | 7.55 | 22.83 | 0.10 | 5.32 | 12 | 1.82 | | |
| IIIS | | 62.2 | 7.41 | 22.70 | 0.O | 2.35 | 28 | 1.94 | | |
| 11)0 | i brallon | 58.5 | 7.29 | 17.68 | 0.0 | 2.36 | 43 | 2.05 | | |
| 1125 | | 56.8 | 7,21 | 22.78 | 0.0 | 2.33 | 47 | 2.14 | | |
| 1130 | | 58.4 | 7.10 | 22.69 | 0.Ö | 2,33 | 41 | 2.14 | | |
| 1135 | | 53,8 | 6.89 | 22.52 | 0.0 | 2.35 | 63 | 2.19 | | |
| 1140 | 2 gallon | 52.S | 6.73 | 22.59 | 0.0 | 2.36 | 79 | 2.23 | | |
| 1145 | | 51.3 | 6,54 | 22.79 | 0.0 | 2.34 | 93 | 2-29 | | |
| 1150 | | | 6.47 | 23.03 | 0.0 | 2.30 | 102 | d.35 | | |
| ilss | | 49, S | 642 | 22.83 | 00 | 2.30 | IDS | 2.37 | | |
| 2005 | 3 gallon | 47.S | 6.43 | 22,53 | 0.0 | 2.29 | 99 | 2.38 | | |
| 1205 | | 48.6 | 646 | 21.96 | Ö.O | 231 | 102 | 2.39 | | |
| 1210 | | 492 | 6.50 | 21.82 | 0. O | 232 | 80 | 2.4D | | |
| 1215 | | 49.3 | 6.53 | 21.47 | 0.0 | 233 | 83 | 2.42 | | |
| 220 | 4 gallon | 48.7 | 6.53 | 21.46 | 0,0 | 2.34 | 85 | 2.43 | | |

| | Site Name Site Location Well ID | AMS-DW-OI | | | | Azt | ech Env | A vironm | ental |
|------|---------------------------------------|------------------------|------|------------------------|-------------------------|--------------------------|----------|-------------------|-----------------|
| | Sampleu by | NW | | | | | TECHN | 0100101 | |
| | Well Informa | | 15 | | | | ALABOU | a Company | |
| | Measuring Point | Flush | | Stabilization is achie | eved when the following | gichanges are noted | | | |
| | | TOC | - | over three | consecutive 3-5 minu | te readings: | | | |
| | Measuring Point Elevation | | | | ± 0.1 change in pH | | | | |
| | Depth to Water | ~0.65 | | ±3 | 3% change in conduct | ivity | | | |
| | Depth to Bottom of Well | 10.25 | | | 0 millivolt change in 0 | | | | |
| | | | | ± 10% | change in DO and T | urbidity | | | |
| | Dia. Well | Weil Volume Multiplier | | | ate | 9/19/22 | 1 | | |
| | 1.5 | 0.0408 | | Purging F | ather | peristerne peristerne | 1 | | |
| | 2 | 0.1631 | | Sampling | quipment Equipment | Peristeine | 1 | | |
| | 3 4 | 0.3670 | | Decon | Method | alconus L' | | | |
| | 5 | 1.0195 | | Well Volume | Calculation | 1.56 | | | |
| | 6 | 1.4681 | | | | 1.040 | | | |
| | 8 10 | 2.6100 4.0782 | | | | | | | |
| 1 | 12 | 5.8726 | | | | | | | |
| 1 | Well Volume Gallons = Multipli | er x Length of Water | | | | | | | |
| 1 | Column | | | | | | | | |
| Time | Volume Removed (Gallons) | Turbidity (NTU) | рН | Temperature (F) | Dissolved O2 (mg/L) | Conductivity (mS/cm) | ORP (mV) | Depth to Water | Pumping Rate |
| 22S | | 49.4 | 6.53 | 21.61 | 0.0 | 2,33 | 86 | 2.44 | |
| 230 | Samle | N | ~ | \sim | \sim | ~ | ~ | ~ | |
| De l | P | | | | | | | | |
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| | | Site Name Site Location Well ID Sampled By | AMS-GW-03 | Poesla | nkill NY | | Azt | TECH | A vironme | ental |
|-----|-------|---|---|--------|---|---|-------------------------------|----------|--------------|---------|
| | | Well Informs Flush Mount or Riser Measuring Point Measuring Point Elevation Depth to Water Depth to Bottom of Well | flush Toc 10.69 16.10 | | over three 1 1 | eved when the followi consecutive 3-5 min ± 0.1 change in pH 3% change in conduc 10 millivoit change in 5 change in D0 and 1 | ute readings: Swity ORP | | a Company | |
| | | Dia. Well 1 1.5 2 3 4 5 6 8 10 12 Well Volume Gallons = Multipl Column | Well Volume Multiplier 0.0408 0.0918 0.1631 0.3670 0.6525 1.0195 1.4681 2.6100 4.0782 5.8726 ler x Length of Water | | We Purging E Sampling Decon Riser D | ate ather Equipment Equipment Muthod Jiameter e Calculation | 2. C47 | | | |
| | Time | Volume Removed (Gallons) | Turbidity (NTU) | pH | Temperature (F) | Dissolved O2 | Conductivity | ORP (mV) | Depth to | Pumping |
| 50 | 186 | Purge Start | - | pro- | | (mg/L) | (mS/cm) | | Water | Rate |
| \$5 | 643 | .25 | 51.0 | 7,25 | 20.82 | 1.98 | .535 | -55 | 10.95 | |
| 00 | XXXXX | .50 | 48.9 | 7.16 | 20.83 | 1.72 | .518 | -38 | 11.20 | |
| 05 | | .75 | 50.1 | 7.08 | 20.92 | 1.68 | .484 | +5 | (1,34 | |
| | 1210 | 1,0 | 4s. S | 7.03 | 21.03 | 1.71 | .476 | 24 | 11.47 | |
| | 1215 | 1.25 | 48.2 | 6.99 | 21.10 | 1.73 | .474 | 43 | 11.58 | |
| | 1730 | 1,50 | SI.S | 6.98 | 21.34 | 1.71 | .466 | 57 | 11.74 | |
| | 1225 | 1.75 | 53.2 | 6.97 | 21.37 | 1.69 | .465 | 60 | 11.83 | |
| | 1230 | 2.0 | 54.2 | 6,97 | 21,46 | 1.65 | ,462 | 62 | 11.88 | |
| | 1235 | 2.35 | 58.5 | 6.96 | 21,54 | 1.60 | .457 | 64 | 11,95 | |
| Ĩ | 1240 | 2.50 | 73.3 | 6.95 | 20.48 | 1,55 | .468 | 59 | (2.04 | |
| | 1245 | 2.75 | 81.0 | 693 | 20.47 | 1.43 | .469 | 63 | 12.45 | |
| | 1250 | 3.0 | 93,2 | 6.90 | 19.91 | 0.0 | ,475 | 59 | 13,16 | |
| | 1255 | 3,25 | 100 | 6.86 | Haff-SI | 0.0 | -479 | 57 | 13.35 | |
| 10 | 300 | 3.50 | 73.8 | 6.78 | 20.87 | 0.78 | .478 | 51 | 13.92 | R |
| | 1305 | 3.75 | 51.9 | 6.75 | 19,22 | 1.24 | .506 | 46 | 14,30, | R |
| | 1310 | 4.0 | 55.6 | 6.73 | 19.44 | 1.34 | .513 | 46 | 14.25 | |

| | Site Name Site Location Well ID Sampled By | AMS-OW-OZ | | | | Azt | ech Env | A vironmo | ental |
|------|---|--|--------|--------------------------------------|---|-------------------------------------|-----------|---------------------|-----------------|
| | Well Inform: | 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1 | | | | | A LaBella | Company | |
| | Flush Mount or Riser | Flush |] | | | | | | |
| | Measuring Point | TOC | | Stabilization is achie over three | ved when the followin consecutive 3-5 minu | g changes are noted te readings; | | | |
| | Measuring Point Elevation | | | | ± 0.1 change in pH | 1 | | | |
| | Depth to Water | 10.69 | 1 | +3 | % change in conduct | why . | | | |
| | Depth to Bottom of Well | 16.10 | 1 | | 0 millivot change in C | | | | |
| | | | ÷ | | change in DO and Ti | | | | |
| | Dia. Well | Well Volume Multiplier | 1 | Da | ite | 9/20/22 | 1 | | |
| | 1 | 0.0408 | 1 | Wea | ther | Pristaitie | 1 | | |
| | 1.5 | 0.0918 0.1631 | | Purging E Sampling | quipment Equipment | peristattic | | | |
| | 3 | 0.3670 | 1 | Decon | Method | alconox | | | |
| | 4 5 | 0.6525 | | | ameter Calculation | 2.65 | 1 | | |
| | 6 | 1,4681 | | wen volume | Calculation | 2.65 | 1 | | |
| | 8 | 2.6100 4.0782 | | | | | | | |
| | 12 | 5.8726 | | | | | | | |
| | Well Volume Gallons = Multipl | | 1 | | | | | | |
| | Column | | 1 | | | | | | |
| Time | Volume Removed (Gallons) | Turbidity (NTU) | pН | Temperature (F) | Dissolved O2 (mg/L) | Conductivity (mS/cm) | ORP (mV) | Depth to Water | Pumping Rate |
| 315 | | 51.3 | 6.72 | 19.67 | 1,46 | -519 | 45 | 13.86 | |
| 370 | | 49.6 | 6.72 | 19.42 | 1.58 | 516 | 45 | 13.79 | |
| 315 | Sample | \sim | \sim | | \sim | \sim | | | |
| | | | | | | | | | |
| | | | | | | | | | 8 |
| | | | | | | | | | |

| | Site Name Site Location Well ID Sampled By | AMS-OW-03 | | | | Azt | ech En | vironm | ental |
|------|---|--|---|---|---|--|----------|-------------------|-----------------|
| | Well Inform | State of the second | 1 | | | A | A LaBel | a Company | |
| | Flush Mount or Riser | Flush | 1 | | | | | | |
| | Measuring Point | TUC | | | ived when the follow consecutive 3-5 min | ing changes are noted ute readings: | | | |
| | Measuring Point Elevation | | | | ± 0.1 change in ph | 1000000000 | | | |
| | Depth to Water | 7.40 | | # 3 | % change in conduc | | | | |
| | Depth to Bottom of Well | 14.10 | | #1 | 0 millivolt change in change in DO and | ORP | | | |
| | Dia. Well | Well Volume Multiplier | 1 | | ate | 7/20/22 | 1 | | |
| | 1 | 0.0408 | | the second se | ther quipment | OVERCEST | | | |
| | 2 | 0.1631 | | Sampling | Equipment | personitic | 1 | | |
| | 3 4 | 0.3670 | | | Method iameter | auconox | | | |
| | 5 | 1.0195 | | | Calculation | 1.09 | 1 | | |
| | 6 | 1.4681 2.6100 | 1200 | ALC | | 16 | | | |
| | 10 | 4.0782 | 1540 | AMS-ONT | 05 sampu | entor: | | | |
| | 12 Well Volume Gallons = Multip | 5.8726 lier x Length of Water | 1 | EPA 537 1221 PAC- | FFAS | | | | |
| | Column | | | EPA 300 N | itiogen, Nr | trate/Nitrite | ٤. | | |
| Time | Volume Removed (Gallons) | Turbidity (NTU) | pН | Temperature (F) | Dissolved O2 (mg/L) | Conductivity (mS/cm) | ORP (mV) | Depth to Water | Pumping Rate |
| 1240 | Began Rurge | | | | | | | | |
| 1245 | | 81.2 | 6.16 | 20.47 | 0.73 | 0.557 | 213 | 7.41 | |
| 1250 | 0.5 | 47.5 | 4.23 | 20.62 | 0.42 | 0.547 | 210 | 7.41 | |
| 1255 | | 12.5 | 6.32 | 20.77 | 0.12 | 0.552 | 202 | 7.42 | |
| 1300 | 10 | 11.9 | 6.31 | 20.76 | 0.12 | 0.551 | 201 | 741 | |
| 1305 | | 13.2 | 6.31 | 20.79 | 0.1Z | 0.557 | 201 | 7.42 | |
| 1310 | 1.5 | 18.7 | 6.31 | 20.84 | 0.10 | 0.568 | 199 | 7.42 | |
| 1315 | | 24.2 | | 20.81 | 0.05 | 0.561 | 199 | 7.42 | |
| 1320 | 2.0 | 21.3 | 201000000000000000000000000000000000000 | 20.93 | 0.10 | 0.566 | 211 | 7.42 | |
| 1325 | | 26.9 | | 20.70 | 0.09 | 0.553 | 203 | 7.43 | |
| 1330 | 2.5 | 28.1 | 6.18 | | 0.13 | 0.563 | 204 | 7.44 | |
| 1335 | (e) | 29.9 | 6.24 | 20.67 | D.20 | 0.570 | 202 | 7.44 | |
| | Ended Rivge | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

| | Well ID | AMS-OW-CH | | | | Azt | ech En | A vironmo | ental |
|------|---|---|-----------|--|---|---------------------------------------|----------|---------------------|---------|
| | Sampled By | | | | | | 146. | a Company | |
| | Flush Mount or Riser | Flush | | 2022 0 2 | NR 8922 V | | | | |
| | Measuring Point | TOC | | | ved when the followi consecutive 3-5 min | ng changes are noted ute readings: | | | |
| | Measuring Point Elevation | 11.000 | - | | ± 0.1 change in pH | 1. | | | |
| | Depth to Water Depth to Bottom of Well | 14.02 | 1 | | % change in conduc 0 millivoit change in | 200 | | | |
| | 1997 | | ले. 22 | | change in DO and 1 | | | | |
| | Dia. Well | Well Volume Multiplier 0:0408 | | | ite ther | overcast | 7 | | |
| | 1.5 | 0.0918 | | Purging E Sampling | quipment Equipment | Penstalhi | - | | |
| | 3 | 0.3670 | 1 | Decon | Method iameter | alignex | | | |
| | 5 | 1.0195 | 1 | | Calculation | 0.5 | 1 | | |
| | 8 10 12 Well Volume Gallons = Multip Colume | 2.6100 4.0782 5.8726 Ner x Length of Water | 1210 | ANS-OW- EPA 5371 LZZI PAC-N EPA 300 N | FAS | te. | | | |
| Time | Volume Removed (Galions) | Turbidity (NTU) | рН | Temperature (F) | Dissolved O2 (mg/L) | Conductivity (mS/cm) | ORP (mV) | Depth to Water | Pumping |
| 1100 | Began Purge | | | | | | | | |
| 1105 | | 13.2 | 6.85 | 18.74 | 07.0 | 0.531 | ZII | 14.11 | |
| 1110 | 0.5 | 21.0 | 6.90 | 18.29 | 0.86 | 0.507 | 205 | 14.12 | |
| 1115 | | 51.2 | 6.82 | 17.62 | 1.62 | 0.442 | 199 | 14.12 | |
| 1120 | 1.0 | 10.1 | 6.72 | 17.23 | 2.18 | 0.383 | 193 | 14.76 | |
| 1125 | | 0.3 | 6.51 | 17.16 | 2.43 | 0.340 | 196 | 14.89 | |
| 1130 | 1.5 | 4.7 | 6:48 | 15.88 | 3.98 | 0.357 | 197 | 15.01 | |
| 1135 | | 2.6 | 6.37 | 14.59 | 3.14 | 0.362 | 207 | 14.21 | |
| 1140 | 20 | 2.7 | 6.38 | 14.54 | 3.06 | 0.356 | 202 | 14.23 | |
| 1145 | | 3.6 | | 14.73 | 3.00 | 0.360 | 204 | 14.26 | |
| 1150 | 2.5 | 4.2 | 6.42 | 14.70 | 2.97 | 0.362 | 202 | 14.27 | |
| 1155 | | 56.5.6 | 6.41 | 14.48 | 3.06 | 0.363 | 204 | 14.25 | |
| 1200 | 3.0 | 5.7 | 6.44 | 14.52 | 2.99 | 0.369 | 203 | 14.26 | |
| 1205 | | 5.6 | 6.43 | 1467 | 3.05 | 0.365 | 202 | 14.27 | |
| | Ended Rige | | | | | | | | |
| | | | | | | | | | |

| Site Name | ANS | r | | | | | 44 | |
|---|---|--|---|---|--|---|--|--|
| Well ID | AUS-OW-CS | - | | | Azt | ech En | vironm | ental |
| | | 5 4 | | | 2 | ALaBell | a Company | 2 |
| Flush Mount or Riser Measuring Point | Flush | - | | | | | | |
| Measuring Point Elevation | | | over three | | PALSING TRA | | | |
| Depth to Water | 14.70 | 1 | | Contraction of the state | | | | |
| Depth to Bottom of Well | 16.86 | | £.1 | 10 millivolt change in | ORP | | | |
| Dia, Well | Well Volume Multiplier | 1 | 2 | | 2 Share and a start | 1 | | |
| 1 | 0.0408 | 1 | Wea | ather | Overcast | | | |
| 2 | 0.1631 | 1 | Sampling | Equipment | Deristaith | 4 | | |
| 4 | 0.6525 | | Riser D | lameter | 7. | | | |
| | 1.0195 | | Well Volume | e Calculation | 0.35 | 1 | | |
| 8 10 12 Well Volume Gallons = Multipli Column | 2 6100 4 0782 5 8726 | 1010 | LZZI PAC | -Negative | 10 | | | |
| Volume Removed (Gallons) | Turbidity (NTU) | pН | Temperature (F) | Dissolved O2 (mg/L) | Conductivity (mS/cm) | ORP (mV) | Depth to Water | Pumping Rate |
| Began Purge | | | | | | | 14.70 | |
| | 2.9 | 6.51 | 18.17 | 1.63 | 0.269 | 173 | 14.81 | |
| 0.5 | 2.7 | 6.35 | 17.35 | 2.85 | 0.259 | 179 | 14.86 | |
| | 2.5 | 6.20 | 16.88 | 4.08 | 0.256 | 187 | 14.86 | |
| 1.0 | 3.8 | 6.32 | 16.66 | 4.22 | 0.257 | 187 | 14.84 | |
| | 4.3 | 6.29 | 16.53 | 4.14 | 0.257 | 191 | 14.88 | |
| 1.5 | 4.8 | 6.25 | 16.47 | 4.23 | 0.257 | 195 | 14.88 | |
| | 0.9 | 6.30 | 16.47 | 4.25 | 0.256 | 195 | 14.87 | |
| 2.0 | 0.3 | 6.32 | 16.47 | 4.26 | 0.256 | 196 | 14.85 | |
| | 0.3 | 6.29 | 14.51 | 4.25 | 0.254 | 197 | 14.87 | |
| 2.5 | 0.7 | 6.32 | 16.51 | 4.25 | 0.254 | 199 | 14.88 | |
| Ended Aurge. | | | | | | | | |
| | | | | | | | | |
| | Vell ID Sampled By Well Informa Flush Mount or Riser Measuring Point Elevation Depth to Water Depth to Bottorn of Well Dia. Well 1 1.5 2 3 4 4 5 6 8 10 12 Well Volume Gallons = Multipli Column Volume Removed (Gallons) Began Purge 0.5 1.0 1.0 1.5 | Site Location Rester KUL, NN Well ID Auss-conductsWell InformationFlush Mount or RiserFlush Mount or RiserMeasuring PointTOCMeasuring Point ElevationImage: Colspan="2">Optimized and the second colspan="2">Optimized and the second colspan="2">Measuring Point ElevationDepth to WaterI 4. TODepth to WaterI 4. TODepth to Bottom of WellI 16. Elevation1.50.091820.163120.163130.367040.04081.50.091830.367040.052561.468182.6100104.0052561.468182.6100105.8726Well Volume GallonsTurbidity (NTU)Begain Purge2.90.552.71.03.81.03.81.03.81.54.80.90.32.00.32.00.32.00.32.50.7 | Site Location Restankel (I, NY) Well Information Flush Mount or Riser Flush Mount or Riser Flush Mount or Riser Flush Moun | Site Location Rester Kull, NY Well Information Well Information Bushdown of Kiser Flush Mount or Riser Isocore fluxes Subdization is a drive over fluxes Depth to Bottom of Well 16. 866 16.813 0.8670 4 0.0408 2 0.01631 2 0.01631 2 0.01631 0.0200 Purging E Sampling Decon Riser C 0.010 RMS-OU 2 0.010 AMS-OU E/24 / PAC E/24 / PAC | Site Location Restance KL(L,N) Well ID ALCS CONCES Sampled BY SN Measuring Point Sublexation is achieved when the blow over three consecutes 3 5 mm Measuring Point Sublexation is achieved when the blow over three consecutes 3 5 mm Measuring Point Sublexation is achieved when the blow over three consecutes 3 5 mm Measuring Point Sublexation is achieved when the blow over three consecutes 3 5 mm Depth to Bottom of Well 14. 5 to 0 Sublexation is achieved when the blow over three consecutes 3 5 mm Depth to Bottom of Well 14. 5 to 0 Sublexation is achieved when the blow over three consecutes 3 5 mm Depth to Bottom of Well 14. 5 to 0 Sublexation is achieved when the blow over three consecutes 3 5 mm Depth to Bottom of Well 14. 5 to 0 1 Date of Well to three blow well well when the blow well well well when the blow well well well well well well when the blow well well well well well well well w | Azt Site Location Restance (KLL,NY Well Information Well Information Flush Measuring Point Too: Measuring Point Too: Measuring Point Too: Measuring Point Too: Measuring Point Too: Date Well Too: Date Well Too 1.15 Optime Restance (Restance) Optime Restance (Restance) Sampling Equipment Optime Restance) Sampling Equipment Optime Restance (Restance) Date Well Volume Rulingler Colsmin Optime Restance (Restance) Optime Restance (Restance) Colsmin to chiene during in colspan="2">Colspan="2">Colspan="2">Colspan="2" Date Well Volume Rulingler Colsmin Optime Restance (Restance) Optint (Restanc | Site Location Rester RE(L) NY Aztech Em Sampled By Well ID Restoration Restoration Restoration Restoration Restoration Restoration Restoration BubBase of the observations 3-5 minute advances of the observations of the observations advances of the observations 3-5 minute advances of the observations of the observations advances of the observations advances of the observation advances of the observations advances of the observation advances of the observations advances of the observation advances of the | Site Location Restance (LNNM Well ID ALSO CAV-CS Sampled BV/LSON-CAV-CS Sampled BV/LSON-CAV-CS Masauring Print Aztech Environment Teaching Print Teach Mount of Rise / Elvation 10 masauring Print Colspan="6">Aztech Environment Teach Mount of Rise / Elvation 10 masauring Print Day the Mount of Rise / Elvation 10 masauring Print / TOC Dept to Water 110 mage print 10 masauring Print / TOC Dept to Water Colspan="6">Aztech Environment Teaching European Molecular 10 masauring Print / TOC Dept to Water Day Well Colspan="6">Day Well Colspan="6">Autometer Dept to Water Colspan="6">Autometer Dept to Water Day Well Colspan="6">Day Well Colspan="6">Colspan=160 Dept to Water Colspan=160 Dept to Water Day Well Colspan=160 Dept to Water Colspan=160 Dept to Water Colspan=160 Dept to Water Object teaching to Colspan=160 Dept to Water Colspan=160 Dept to Water Colspan=160 Dept to Water Well Wolspan Elvation a soluted alon Day Solute Colspan=160 Dept to Water Colspan=160 Dept to Water Well Wolspan Elvation a soluted alon Day Solute Colspan=160 Dept to Water Colspan=160 Dept to Water Well Yourne Calculation Day Solute Colspan=160 Dept to Water Dept to Water Dept to Water |

| | Site Name Site Location Well ID Sampled By | AMS Poestenkiu,N AWS CW-CG NN | 1 | | | Azto | ech Env | vironmo | ental |
|------|--|--|------|---|--|-------------------------|----------|-------------------|-----------------|
| | Well Informa Flush Mount or Riser Measuring Point Measuring Point Elevation Depth to Water Depth to Bottorn of Well | Flush TOC 17.84 24.05 | | over three | ved when the followin consecutive 3-5 minu ± 0.1 change in pH % change in conduct | fereædings: ivly | A LaBell | a Company | |
| | Dia. Well 1 1,5 2 3 4 5 6 8 10 12 Well Volume Gallons = Multipl Column | Well Volume Multiplier 0.0408 0.0918 0.1631 0.3670 0.6525 1.0195 1.4681 2.6100 4.0782 5.8726 | | 1 10% Wea Purging E Sampling Decon Riser D | 0 millivot change in C change in DO and To the ther quipment Equipment Equipment Method iameter Calculation | | | | |
| Time | Volume Removed (Gallons) | Turbidity (NTU) | рН | Temperature (| Dissolved O2 (mg/L) | Conductivity (mS/cm) | ORP (mV) | Depth to Water | Pumping Rate |
| P130 | Purge sta | rt | | | (iidhr-) | unorony | | | |
| 0935 | .25 | 39.4 | 8.43 | 19.37 | 8.81 | 0.247 | -55 | 18 AND | 300 11 |
| 0940 | .50 | 38.6 | 8.15 | 18.53 | 2.58 | 0.239 | -38 | 18.05 | |
| 0945 | .75 | 49.6 | 7,98 | 17.65 | 4.62 | .204 | 13 | 18.08 | |
| 0950 | 0.1 | 44.9 | 7.62 | 17.18 | 5.50 | .189 | 64 | 18.10 | |
| 0955 | 1.25 | 43.2 | 7.49 | 17.02 | 5.58 | .186 | 84 | 19,11 | |
| 1000 | 1.50 | 51.7 | 7.39 | 16.96 | 5.56 | •186 | 102 | 18.13 | |
| 1005 | 1.75 | 49.6 | 7.32 | 16.91 | 5.42 | .186 | 106 | 18.14 | |
| 1010 | との | 48.2 | 7.26 | 16.83 | 5.48 | .186 | 112 | 18.15 | |
| 1015 | 2.25 | 47.0 | 7,19 | 16.69 | 5.36 | -185 | 118 | 18.16 | |
| 1010 | 2.5 | 46.6 | 2.12 | 16.71 | 5 30 | .184 | 123 | 18.17 | |
| 10)5 | Sample | | | | | | | | - |
| | 1 - | | | | | | | | 1 |
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| | | | | | | | | | |
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| | Site Name Site Location Well ID | AMS Poestenkill,M AMS-OW-07 | 1 | | | | 4 | A | |
|------|--|-----------------------------------|----|-------------------------|--|--------------|-----------|----------|---------|
| | Sampled By | AMS 000-0 1 | | | | Azte | ech Env | ironm | ental |
| | Well Informa | ation | | | | | A LaBella | Company | |
| | Flush Mount or Riser | FUISIO | | | | | | | |
| | Measuring Point | Flush Toc | | Stabilization is achiev | | | | | |
| | and the second sec | 100 | | over three c | onsecutive 3-5 minut | areadings: | | | |
| | Measuring Point Elevation | | | | ± 0.1 change in pH | | | | |
| | Depth to Water | NA | | + 31 | 6 change in conducti | wite | | | |
| | Depth to Bottom of Well | 10.75 | | | | | | | |
| | 1 | 10.10 | | | millivolt change in O change in DO and Tu | | | | |
| | | | | (i) | and the second second second | | 2 | | |
| | Dia. Well | Well Volume Multiplier | | Da | | 9/20/22 | | | |
| | 1.5 | 0.0408 | | Weat Purging Ec | | overcast | | | |
| | 2 | 0.1631 | | Sampling E Decon M | quipment | | 6 | | |
| | 3 | 0.3670 | | Decon M | Method | | 2 | | |
| | 4 5 | 0.6525 | | Riser Di Well Volume | Coloulation | | | | |
| | 6 | 1,4681 | | ven volume | Calculation | | S. | | |
| | 8 | 2.6100 | | | | | | | |
| | 10 | 4.0782 | | | | | | | |
| | 12 | 5.8726 | | ANS-OW | -07 | as del | | | |
| | Weil Volume Gallons = Multipl Column | er x Length of Water | | AMS-OW | OIN | as any | | | |
| | | | | | Dissolved O2 | Conductivity | | Depth to | Pumping |
| Time | Volume Removed (Gallons) | Turbidity (NTU) | pН | Temperature (F) | (mg/L) | (mS/cm) | ORP (mV) | Water | Rate |
| | | | | | | | | | |
| | | | | | | | | | |
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| | | Prestenkill,NY | | | | | | 4 | |
|----------------|---|---------------------------------|-------|---|---|-------------------------|--------------|-------------------|-----------------|
| | Sampled By | AMS-OW-08 | | | | Azt | ech En | vironme | ental |
| | Well Informa | | - | | | | A LaBel | a Company | |
| | Flush Mount or Riser | Flush | - | Stabilization is achieved | eved when the follow | ving changes are noted | | | |
| | Measuring Point | TOC | | | consecutive 3-5 min | | | | |
| | Measuring Point Elevation | TOC | - | | ± 0.1 change in pl | н | | | |
| | Depth to Water Depth to Bottom of Well | 12.71 | - | | 3% change in condu | 2000 C | | | |
| | Departo Docioni or Heir | 17.88 | | | 0 millivolt change in 6 change in DO and | | | | |
| | Dia. Well | Well Volume Multiplier | à. | D | ate | 9/19/22 | 1 | | |
| | 1 | 0.0408 | _ | | ather quipment | CARVCOST | | | |
| | 2 | 0.1631 | | Sampling | Equipment | Constant | 14 | | |
| | 3 | 0.3670 | - | | Method Jiameter | allenex | 4 | | |
| | 5 | 1.0195 | | | e Calculation | 0.84 | | | |
| | 6 8 | 1.4681 2.6100 | | | | | | | |
| | 10 | 4.0782 | 1 | | | | | | |
| | 12 Well Volume Gallons = Multipl | 5.8726 ier x Length of Water | 114 | 5 AMS-0 | M.08 2 | ampled t | - 10 | | |
| | Column | | | PA 537 F | PRAS | | | | |
| | | | Ĕ | PA 300 N | trogen, Ni | trade/Nitri | te. | | |
| Time | Volume Removed (Gallons) | Turbidity (NTU) | pH | Temperature (F) | Dissolved O2 (mg/L) | Conductivity (mS/cm) | ORP (mV) | Depth to Water | Pumping Rate |
| | | | | | (ingres) | Undrany | | 12:71 | Tuene |
| 1035 | Began Rurge | | | | | | | 1188 | |
| | J j. | | | Marats int | 10.15 | | | | |
| 1040 | | 22.2 | 592 | 19.46 | 2.78 | 0.672 | 69 | 13.56 | |
| | | | | the strengthere | | | · · | 10 0 | |
| 1045 | 0.5 | 27.2 | 5.85 | 18.17 | 2.85 | 0.674 | 61 | 13.58 | |
| | | C 1. C | 0.05 | | | 0.011 | 01 | 15.50 | |
| 1050 | | 22.4 | 585 | 17.55 | 3.01 | 0.665 | 121 | 13.70 | |
| 1030 | | 66.4 | 205 | 11:22 | 5.01 | 0.663 | 131 | 15.10 | |
| | 1.0 | 1111 | 6.22 | 1600 | 200 | 0.00 | 121 | 10 | |
| 1055 | 1.0 | ાનન | Gecc | 15.83 | 3.92 | 0.689 | 121 | 13.74 | |
| 8 G | | 0.5 | 20122 | | - | 250 8 | | 32332-77 | |
| 1100 | | 9.5 | 6.16 | 15.93 | 3.89 | 0.676 | 132 | 13.86 | |
| | 10 | | | | | | | | |
| 1105 | 1.5 | 13.7 | 6.06 | 15.61 | 5.26 | 0.675 | 142 | 13.98 | |
| | | | | | - | | | | |
| 1110 | | 13.3 | 6.05 | 15.60 | 3.81 | 0.684 | 150 | 14.02 | |
| 225.3 | | 376 6 | | | 12.7 | teres to the second | | 7712 000000 | |
| 1115 | 2.0 | 17.8 | 6.05 | 15.56 | 3.73 | 0.684 | 153 | 14.33 | |
| ALC: 61 - 1242 | 201 - 1241A | | | • | and street | | | | |
| 1120 | | 33.0 | 6.02 | 15.39 | 3.69 | 0.692 | 159 | 14.83 | |
| | | | | 10.01 | | | | | |
| 1125 | 2.5 | 25.3 | 6.11 | 15.55 | 3.61 | 0.692 | 158 | 14.91 | |
| | | - 7/4 | | | 1.5.05 | | | | |
| 1130 | | 20.7 | 6.13 | 15.56 | 3.58 | 0.682 | 159 | 15.06 | |
| | | | | A.A | | 0.00 | 0.00000.00.0 | 10.000 | |
| 1135 | 3.0 | 21.4 | 6.13 | 15.56 | 3.53 | 0.691 | 160 | 15.12 | |
| | | | 0.10 | | 0-0 | | 100 | ISIL | |
| 1140 | | 18.6 | 613 | 15.58 | 3.50 | 0.693 | 162 | 15.17 | |
| 1110 | | 10.4 | 0.15 | | | | 102 | 10.11 | |
| | Ended anyou | | | | | | | | |
| _ | Ended purge | | | | | | | | _ |
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LABORATORY ANALYTICAL REPORTS



March 13, 2023 (Revised 4-18-2023)

Brittany O'Brien-Drake New York State Department of Environmental Conservation 625 Broadway Albany, NY 12233

RE: Site Summary Report (Rev. 4-18-2023) Algonquin Middle School PFAS Assessment #2105197 Waste Management (Poestenkill) Transfer Station, NY 66, Poestenkill, NY Tax parcel ID: 136.-6-7

Aztech Environmental Technologies Inc. (Aztech), a LaBella company, has provided this report to document overburden soil and groundwater assessment methodologies and sampling results for the above referenced location. All field investigation activities were performed at the discretion of and in accordance with the scope of work (SOW) developed and provided by the New York State Department of Environmental Conservation (NYSDEC).

The property is currently utilized by Waste Management, Inc. (WM) as a municipal transfer station with the transfer station operations primarily located on the western portion. The approximate 13.31-acre parcel is located along the eastern side of the intersection of NY RT 351 and RT 66. A low-lying area is centrally located within the property with a small rise toward the western portion of the property and a low ridge (oriented north to south) located toward the eastern portion of the property. A small pond is located within the low-lying area of the property and is surrounded by a former racecar track. Two unoccupied houses are located at the base of the eastern ridge. The attached **Figure 1** depicts property features and boundaries.

Overburden soil encountered during drilling activities consisted primarily of coarse to fine sand and silt with varying amounts of shale fragments which typically increased in depth to drill tooling refusal. Shale fragments in the sampler shoe at terminal boring depths ranging from 2-feet below grade (fbg) to 15 fbg are noted on the attached boring logs.

Prior to intrusive groundwork, a UDig NY utility clearance ticket was ordered for the property. Additionally, a private utility locating contractor performed utility clearance with ground penetrating radar (GPR) at each boring location on August 11, 2022. Boring locations confirmed as clear were painted white and marked with a white flag.

SUMMARY OF FIELD INVESTIGATIONS:

Air monitoring

Air monitoring was conducted during all ground-intrusive work at the property (August 15 and 16, 2022) in accordance with the New York State Department of Health (NYSDOH) Generic Community Air Monitoring Plan (CAMP). One dedicated Dust Trak unit with photo-ionization detector (PID) was positioned upwind with a second dedicated unit placed downwind at each boring location. No exceedances for volatile organic compounds (VOCs) or particulates were recorded.



Soil Boring and Monitoring Well Installation

On August 15 and 16, 2022, Clean Globe Environmental (CGE) advanced soil borings (WM-SB-01 through WM-SB-08) utilizing a Geoprobe 7822DT and direct-push techniques to terminal depths ranging from 2 to 15 feet below grade (fbg). Boring locations WM-SB-01 and WM-SB-02 were used to confirm shallow depth to bedrock and as such, were each side-stepped twice and given a location identification ending in "A" and "B". Of the 12 total soil boring locations, 4 were converted to monitoring wells (WM-OW-01 through WM-OW-04). Aztech provided oversight of drilling activities and performed soil headspace screening, soil classification, and both soil and groundwater sampling.

Monitoring wells were installed by over-drilling selected boreholes utilizing 4 ¹/4" inner diameter (ID) hollow stem augers. The well assembly consisted of 2-inch polyvinyl chloride (PVC) 10-slot screen set to straddle the water table and casing to grade. A number 2 filtration sand was installed to fill the borehole annulus to approximately one (1) to two (2) feet above the screened interval. Bentonite chips were added atop the sand to seal the casing from surface water intrusion and subsequently hydrated with certified per-and polyfluoroalkyl substance (PFAS)-free water. Native soil and well sand were added as needed to the finish grade. Each well was finished within a flush mount road box (WM-OW-01) or a steel stick-up. Each newly installed groundwater monitoring well was developed on August 30, 2022 by using a peristaltic pump and/or bailer to remove a targeted 10 well volumes. Monitoring well specifications are presented below in **Table 1.** Individual boring logs are attached. Monitoring well locations are depicted on the attached Figure 1.

| | TABLE 1 Monitoring Well Specifications | | | | | | | | | | | | | |
|--|--|------------------|----------------------|----------------------------|-------------------|------------------|--|--|--|--|--|--|--|--|
| Well ID | Borehole Depth | Well Diameter | Screened Interval | Sand Packed Interval | Bentonite Seal | Observed DTW* | | | | | | | | |
| (Feet) (Inches) (Feet) (Feet) (Feet) (Feet) | | | | | | | | | | | | | | |
| WM-OW-01 12 2 10-5.0 10-3.5 3.5-2.5 3.34 | | | | | | | | | | | | | | |
| WM-0W-02 | 15 | 2 | 13 - 3.0 | 13 - 2.0 | 2.0 - 1.0 | 7.79 | | | | | | | | |
| WM-0W-03 | 15 | 2 | 14 - 4.0 | 14 - 2.0 | 2.0 - 1.0 | 8.92 | | | | | | | | |
| WM-OW-04 | 13 | 2 | 13 - 3.0 | 13 - 2.0 | 2.0 - 1.0 | 4.34 | | | | | | | | |
| Notes: | | | | | | | | | | | | | | |
| Wells drilled/ir | Wells drilled/installed by Clean Globe Environmental (CGE) | | | | | | | | | | | | | |
| *Depth to Water (DTW) as measured on September 27, 2022 from top of casing (TOC) | | | | | | | | | | | | | | |

Surface Water and Sediment Sampling

On August 16, 2022, one (1) surface water sample was collected from the south side of the pond and designated WM-SW-01-20220816. A stainless-steel dip cup, which was decontaminated prior to sample collection, was used to obtain the sample. Subsequent to the surface water sample collection, one (1) sediment sample was collected from the same location (designated as WM-SED-01-20220816) using the stainless-steel dip cup. Both samples were analyzed for PFAS compounds by analytical method 537M. The approximate locations of the sediment and surface water samples are depicted on Figure 1.

Soil Sampling

Individual soil samples were visually classified and headspace screened with a photo-ionization detector (PID) calibrated to a 100 part per million (ppm) isobutylene calibrant gas. Soil samples from select boring locations were collected from the following depth intervals:

• Surface grade to 2 -inch below grade (BG), beneath vegetative cover,



- 2-inch BG to 12-inch BG, and
- Air/water interface (water table) as observed in borehole.

The actual number of soil samples was dependent on field conditions. A total of sixteen (16) depth discrete subsurface soil samples were collected from the twelve (12) soil borings and analyzed for PFAS compounds by analytical method 537M for soil. Select soil samples (from the 2"BG to 12"BG interval) were analyzed using the Synthetic Precipitation Leaching Procedure (SPLP) by Environmental Protection Agency (EPA) Method 1312 and the leachate was subsequently analyzed for PFAS compounds by analytical method 537M to assess the mobility of contaminants in soil. SPLP PFAS results are not considered reportable as it was determined that Con-Test (a Pace Analytical Laboratory at East Longmeadow, MA and the NYSDEC's contracted lab for this project) did not hold the appropriate ELAP certification for EPA Method 1312 at the time of analysis.

Soil from boring location WM-SB-06 was also analyzed for VOCs by EPA Method 8260, semi-volatile organic compounds (SVOCs) by EPA Method 8270, and polychlorinated biphenyls (PCBs) by EPA Method 8082. These additional analyses were based upon the elevated PID readings, visual, and olfactory evidence of petroleum impact noted at that location.

Additional samples collected for the purpose of quality assurance (quality control (QA/QC)) included two (2) equipment blanks, one matrix spike/matrix spike duplicate (MS/MSD) and one field duplicate. The attached boring logs reference the parent sample for MS/MSD and duplicate samples. Equipment blanks were collected on August 15 and August 16, 2022 and performed on the core barrel equipped with acetate sleeve and a laboratory supplied HDPE soil container respectively.

Laboratory analytical results for the equipment blank sample collected August 15, 2022 recorded concentrations of 6:2 FTS A and FBSA at estimated concentrations (below the laboratory reporting limit (RL)) of 0.72 nanograms per liter (ng/L) and 0.26 ng/L respectively. Laboratory analytical results for the equipment blank collected August 16, 2022 did not record any compounds above the laboratory's minimum RL. Refer to **Table 2** for additional details.

Groundwater Sampling

Four (4) groundwater samples were collected September 21 and 27, 2022 from the newly installed overburden groundwater monitoring wells. Samples were collected utilizing low-flow/low-stress sampling techniques with a peristaltic pump and associated HDPE and silicone tubing. Water quality field parameters (temperature, pH, specific conductance, oxygen-reduction potential (ORP), dissolved oxygen (DO), and turbidity) were recorded during the well purging at five (5) minute intervals up to the sample time. A copy of the stabilization logs is attached.

Samples were immediately placed on ice and transferred to Pace Analytical and Eurofins TestAmerica under chain of custody protocols. Groundwater samples were analyzed for PFAS compounds by EPA Method 537M, pharmaceutically active compounds-negative by Method L221, and nitrate and nitrite anions by EPA Method 300. Additionally, groundwater samples from wells WM-OW-02 and WM-OW-03 were also analyzed for VOCs by EPA Method 8260, SVOCs by EPA Method 8270, 1,4-dioxane by EPA Method 8270 (SIM) and PCBs by EPA Method 8082.

Additional samples collected for QA/QC purposes included an MS/MSD, Field Duplicate, and Equipment Blank. WM-OW-02 was the parent sample location for both the MS/MSD and Field Duplicate samples. The Equipment Blank sample was collected via the tubing associated with the peristaltic pump. Laboratory analytical results for the equipment blank sample submitted September 27, 2022 recorded two PFAS compounds. PFOS was recorded below the laboratory RL at an estimated concentration of 0.73 ng/L. 6:2 FTS A was recorded at a concentration of 13 ng/L. Refer to Table 2 for additional details.



DISCUSSION OF ANALYTICAL RESULTS

STANDARDS, CRITERIA, & GUIDANCE VALUES:

The following documents will be used to evaluate soil, groundwater, surface water, and sediment analytical results:

Soil

- Unrestricted Use and Industrial Use soil cleanup objectives from NYSDEC 6 NYCRR Part 375-6.8 Soil Cleanup Objective Tables, 2006
- Unrestricted Use and Industrial Use soil guidance values from NYSDEC Sampling, Analysis, and Assessment of PFAS Under NYSDEC's Part 375 Remedial Programs, November 2022.

Groundwater

- Screening levels identified in NYSDEC Sampling, Analysis, and Assessment of PFAS Under NYSDEC's Part 375 Remedial Programs, November 2022
- New York State Department of Environmental Conservation, Technical and Operational Guidance Series (1.1.1), Class GA Standards and Guidance Values, Revised (TOGS 1.1.1), June 1998
- New York State Drinking Water Maximum Contaminant Level (MCL) for PFOA (10 parts per trillion (ppt)), PFOS (10 ppt), and 1,4-dioxane (1 part per billion (ppb)).

Surface Water

- Screening levels identified in NYSDEC Sampling, Analysis, and Assessment of PFAS Under NYSDEC's Part 375 Remedial Programs, November 2022
- New York State Drinking Water Maximum Contaminant Level (MCL) for PFOA (10 ppt) and PFOS (10 ppt)

Sediment

- Standards, criteria, or guidance values do not currently exist for PFAS in sediment. Results will be discussed as provided by the laboratory.

It is noted that the NYSDEC Standards, Criteria, & Guidance Values are listed in concentrations of parts per trillion (ppt), parts per billion (ppb), and parts per million (ppm) while laboratory analytical results are reported in equivalent concentrations. For example,

- In soil:
 - 1 ppt = 1 nanogram per kilogram (ng/kg),
 - \circ 1 ppb = 1 microgram per kilogram (μ g/kg), and
 - 1 ppm = 1 milligram per kilogram (mg/kg)
- In water:
 - 1 ppt = 1 nanogram per liter (ng/L),
 - o 1 ppb = 1 microgram per liter (μ g/L), and
 - \circ 1 ppm = 1 milligram per liter (mg/L).

Soil Results:

Of the 16 soil samples collected and analyzed for PFAS compounds by analytical method 537M, 12 had one or more compounds detected. PFOA was recorded at one (1) location (WM-SB-O4) in two (2) intervals at estimated concentrations of 0.19 μ g/kg and 0.35 μ g/kg. These concentrations are below the Unrestricted Use guidance value of 0.66 μ g/kg. Additionally, both concentrations were recorded below the laboratory RL. PFOS was recorded in twelve (12) samples from six (6) soil boring locations and ranged in concentration from an estimated 0.078 μ g/kg (WM-SB-O5) to 0.81 μ g/kg (WM-SB-O4). These concentrations are below the Unrestricted Use guidance value of 0.88 μ g/kg.



PFAS compounds that were detected but do not have corresponding guidance values include: PFBA, PFPeA, PFHxA, PFDA, PFDoA, PFTA, PFDS, PFUnA, PFHpA and, PFNA. The maximum concentration recorded for compounds without criteria was PFPeA at 1.1 μ g/kg (WM-SB-O4). Refer to **Table 3A** for additional details.

One soil sample (WM-SB-06) was also analyzed for VOCs, SVOCs and PCBs. Three VOC compounds were recorded above the laboratory RL. Isopropylbenzene (Cumene), n-Propylbenzene and, m+p Xylene were recorded at concentrations of 0.31 mg/kg, 0.4 mg/kg and 0.94 mg/kg, respectively. Phenanthrene was recorded above the RL at a concentration of 0.33 mg/kg but below the SVOC SCO for Unrestricted Use of 100 mg/kg. Three PCB compounds were recorded above the laboratory RL and above the Unrestricted Use guidance value of 0.1 mg/kg for total PCBs, but below the 25 mg/kg guidance value for Industrial Use. Specifically, aroclor-1248, aroclor-1254 and aroclor-1260 were recorded at concentrations of 3.7 mg/kg, 9.3 mg/kg and 5.4 mg/kg respectively. Refer to **Tables 3B-3D** for additional details. Refer to **Appendix A** for the laboratory analytical reports.

Sediment Results:

One (1) sediment sample (WM-SED-01) was collected and analyzed for PFAS compounds. PFOS was reported at an estimated concentration of 0.088 μ g/kg. No other PFAS compounds were reported above the RL. No standards, criteria, or guidance values (SCGs) for PFAS in sediment have been established. Refer to **Table 4** for additional details.

Surface Water Results:

One (1) surface water sample (WM-SW-01) was collected and analyzed for PFAS compounds. A total of ten (10) PFAS compounds were reported above the laboratory RL. PFOA and PFOS were recorded at concentrations of 4.8 ng/L and 8.6 ng/L respectively. Additionally, PFBA, PFBS, PFPeA, PFHxA, PFDS, PFHxS, PFHpA and PFNA were recorded at concentrations ranging from an estimated 0.52 ng/L (PFHxS) to 3.2 ng/L (PFBA). The recorded concentrations of PFOA and PFOS are below the 10 ng/L (ppt) screening level and NYSDEC Guideline for drinking water. No SCGs are available for the remaining compounds. Refer to **Table 5** for additional details.

Groundwater Results:

All four (4) groundwater samples collected September 21 and 27, 2022 reported one or more PFAS compounds. PFOA was recorded at concentrations ranging from 2.2 ng/L (WM-OW-O3) to 5.6 ng/L (WM-OW-O2). PFOA concentrations detected were below the NYSDEC screening level of 10 ng/L. PFOS was recorded at four (4) locations, one of which was above the 10 ng/L screening level at 14 ng/L (WM-OW-O4). The remaining three samples recorded PFOS concentrations that ranged from 5.8 ng/L (WM-OW-O1) to 9.5 ng/L (WM-OW-O2). Additionally, PFBS, PFBA PFDA, PFHpS, PFHpA, PFHxS, PFHxA, PFNA, and PFPeA were recorded at that range from an estimated 0.46 ng/L (PFDA) to 36 ng/L (PFPeA).

Groundwater samples were also analyzed for VOCs, SVOCs, and PCBs. Three (3) VOC compounds were detected above the laboratory RL in sample WM-OW-O4. 1,4-Dichlorobenzene was recorded at 3.6 μ g/L which is above the 3.0 μ g/L groundwater guidance value. Isopropylbenzene and Chlorobenzene were recorded at concentrations of 3.12 μ g/L and 1.6 μ g/L respectively. Both of these concentrations are below the NYSDEC Standard for Class GA Groundwater (5.0 μ g/L). In groundwater sample WM-OW-O3, 1,4-Dioxane was recorded at a concentration of 1.4 μ g/L which is above the NYSDEC Standard for Class GA Groundwater (5.0 μ g/L). In groundwater sample WM-OW-O3, 1,4-Dioxane was recorded at a concentration of 1.4 μ g/L which is above the NYSDEC Standard for Class GA Groundwater of 1.0 μ g/L. Additionally, the compounds 1,2-Dichlorobenzene, 1,4-Dichlorobenzene, Benzene, m,p-Xylene, N-Propylbenzene, Sec-Butylbenzene, Tetrachloroethylene (PCE), Trichloroethylene (TCE), 1,4-Dioxane, and Anthracene were recorded at estimated concentrations below the laboratory RL. Acetone, a common laboratory artifact, was recorded below the RL at a concentration of 2.6 μ g/L and is considered both an estimated value and laboratory contaminant. No PCBs were recorded within any of the four (4) groundwater samples obtained September 21 and 27, 2022.



Groundwater samples were additionally analyzed for artificial sweeteners, including sucralose and acesulfame-k, and nitrate to assess the potential migration of septic derived wastewater to groundwater. Acesulfame K was detected in all groundwater samples with concentrations ranging from 0.054 μ g/L to 0.98 μ g/L. Sucralose was detected in three (3) groundwater samples and results ranged from 0.77 μ g/L to 2 μ g/L. The maximum detections of sucralose and acesulfame-k were both identified in the sample collected from WM-OW-01. Nitrate was detected in all four (4) groundwater samples and results ranged in concentration from an estimated 0.062 mg/L (WM-OW-4) to 0.28 mg/L (WM-OW-02). Each of these detected concentrations are below the groundwater standard of 10 mg/L. Refer to Tables 6A-6F for additional details. Refer to Appendix A for the laboratory analytical reports.

Further discussion on the findings and conclusions of the investigation of the Waste Management property are discussed within the main PFAS assessment report provided by CDM Smith.

This report was prepared by Aztech with review and editorial input by the NYSDEC.

Respectfully submitted,

Aztech Environmental Technologies (a LaBella Company)

Todd Rollend Environmental Scientist

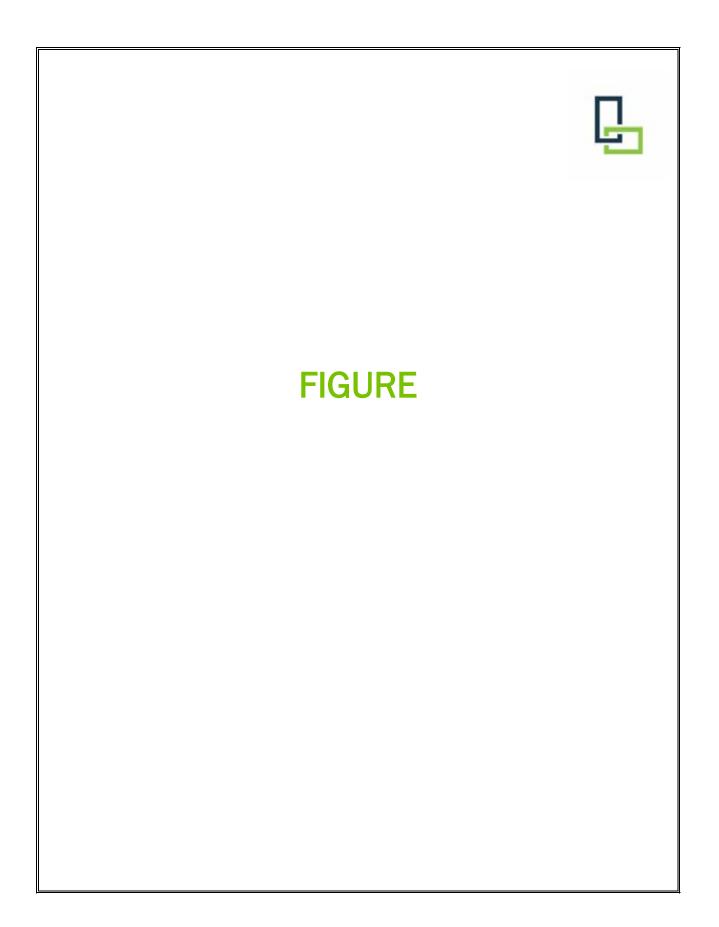
I Randy Hoose certify that I am currently a Qualified Environmental Professional as defined in 6 NYCRR Part 375 and that this Report was prepared in accordance with all applicable statutes and regulations and in substantial conformance with the DER Technical Guidance for Site Investigation and Remediation (DER-10). All investigation and activities were performed in full accordance with the work plan provided by the NYSDEC.

HODA

Randy Hoose, P.G. Senior Hydrogeologist

Attachments:

Figure 1 - Site Map Table 2 - Equipment Blank, PFAS Results Table 3A - Soil, PFAS Results Table 3B - Soil, Volatile Organic Compound (VOC) Results Table 3C – Soil, Semi-volatile Organic Compound (SVOC) Results Table 3D - Soil, Polychlorinated Biphenyl (PCB) Results Table 4 – Sediment, PFAS Results Table 5 - Surface Water, PFAS Results Table 6A - Groundwater, PFAS Results Table 6B - Groundwater, Volatile Organic Compound (VOC) Results Table 6C - Groundwater, Semi-volatile Organic Compound (SVOC) Results Table 6D - Groundwater, Polychlorinated Biphenyl (PCB) Results Table 6E – Groundwater, Nitrate & Nitrite Results Table 6F - Groundwater, Artificial Sweetener Results Boring Logs Well Development Logs Low-Flow Stabilization Sampling Logs Appendix - A: Laboratory Analytical Reports





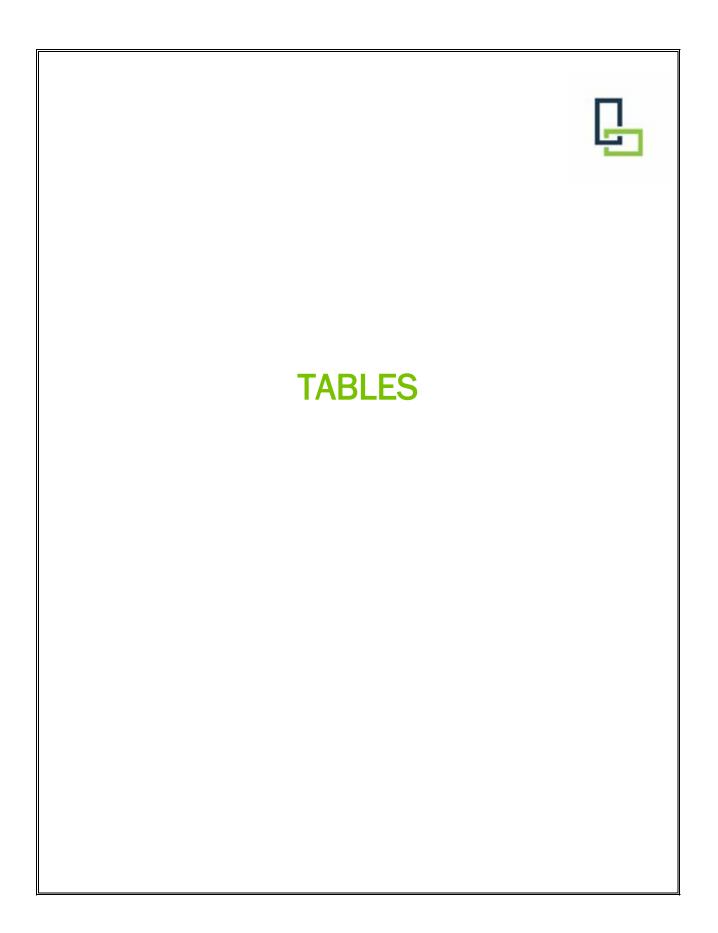


Table 2 Waste Management Inc Equipment Blank, PFAS Results

| | | Client Sample ID: Lab Sample ID: Sample Date: Sample Type Code: | 22H1 ⁻ 8/15 | ent Blank 143-01 /2022 .B | 22H1 8/16 | ent Blank 143-09 /2022 EB | 480-20 9/27 | NT BLANK)2148-4 /2022 :B |
|--|------|--|---------------------------|------------------------------------|--------------|------------------------------------|----------------|------------------------------------|
| Analyte | Unit | NYSDEC Guidelines ¹ | Result | Qualifier | Result | Qualifier | Result | Qualifier |
| 11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS) | ng/L | NC | < 0.56 | U | < 0.6 | U | NA | |
| 1H,1H, 2H, 2H-Perfluorodecane sulfonic acid | ng/L | NC | < 0.53 | U | < 0.56 | U | < 1.7 | U |
| 1H,1H, 2H, 2H-Perfluorohexane sulfonic acid | ng/L | NC | < 0.24 | U | < 0.26 | U | NA | |
| 1H,1H, 2H, 2H-Perfluorooctane sulfonic acid | ng/L | NC | 0.72 | J | < 0.34 | U | 13 | |
| 4,8-Dioxa-3H-perfluorononanoic acid (ADONA) | ng/L | NC | < 0.3 | U | < 0.32 | U | NA | |
| 9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid (9CI-PF3ONS) | ng/L | NC | < 0.34 | U | < 0.36 | U | NA | |
| Hexafluoropropylene oxide dimer acid (HFPO-DA) | ng/L | NC | < 0.21 | U | < 0.22 | U | NA | |
| N-deuterioethylperfluoro-1-octanesulfonamidoacetic acid | ng/L | NC | < 0.55 | U | < 0.59 | U | NA | |
| N-deuteriomethylperfluoro-1-octanesulfonamidoacetic acid | ng/L | NC | < 0.66 | U | < 0.71 | U | NA | |
| N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA) | ng/L | NC | NA | | NA | | < 4.3 | U |
| N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA) | ng/L | NC | NA | | NA | | < 4.3 | U |
| Nonafluoro-3,6-dioxaheptanoic acid (NFDHA) | ng/L | NC | < 0.24 | U | < 0.26 | U | NA | |
| Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA) | ng/L | NC | < 0.2 | U | < 0.22 | U | NA | |
| Perfluoro-1-butanesulfonamide (FBSA) | ng/L | NC | 0.26 | J | < 0.18 | U | NA | |
| Perfluoro-1-hexanesulfonamide (FHxSA) | ng/L | NC | < 0.27 | U | < 0.29 | U | NA | |
| Perfluoro-3-methoxypropanoic acid (PFMPA) | ng/L | NC | < 0.36 | U | < 0.39 | U | NA | |
| Perfluoro-4-methoxybutanoic acid (PFMBA) | ng/L | NC | < 0.3 | U | < 0.32 | U | NA | |
| Perfluorobutanesulfonic acid (PFBS) | ng/L | NC | < 0.24 | U | < 0.26 | U | < 1.7 | U |
| Perfluorobutanoic Acid (PFBA) | ng/L | NC | < 0.65 | U | < 0.69 | U | < 4.3 | U |
| Perfluorodecanesulfonic acid (PFDS) | ng/L | NC | < 0.28 | U | < 0.3 | U | < 1.7 | U |
| Perfluorodecanoic acid (PFDA) | ng/L | NC | < 0.43 | U | < 0.46 | U | < 1.7 | U |
| Perfluorododecanoic acid (PFDoA) | ng/L | NC | < 0.38 | U | < 0.41 | U | < 1.7 | U |
| Perfluoroheptanesulfonic acid (PFHpS) | ng/L | NC | < 0.81 | U | < 0.87 | U | < 1.7 | U |
| Perfluoroheptanoic acid (PFHpA) | ng/L | NC | < 0.3 | U | < 0.32 | U | < 1.7 | U |
| Perfluorohexanesulfonic acid (PFHxS) | ng/L | NC | < 0.29 | U | < 0.31 | U | < 1.7 | U |
| Perfluorohexanoic acid (PFHxA) | ng/L | NC | < 0.33 | U | < 0.36 | U | < 1.7 | U |
| Perfluorononanesulfonic Acid (PFNS) | ng/L | NC | < 0.15 | U | < 0.16 | U | NA | |
| Perfluorononanoic acid (PFNA) | ng/L | NC | < 0.3 | U | < 0.32 | U | < 1.7 | U |
| Perfluorooctane Sulfonamide (PFOSA) | ng/L | NC | < 0.36 | U | < 0.39 | U | < 1.7 | U |
| Perfluorooctanesulfonic acid (PFOS) | ng/L | 10 | < 0.52 | U | < 0.56 | U | 0.73 | J |
| Perfluorooctanoic acid (PFOA) | ng/L | 10 | < 0.59 | U | < 0.63 | U | < 1.7 | U |
| Perfluoropentanesulfonic Acid (PFPeS) | ng/L | NC | < 0.22 | U | < 0.24 | U | NA | |
| Perfluoropentanoic Acid (PFPeA) | ng/L | NC | < 0.34 | U | < 0.36 | U | < 1.7 | U |
| Perfluorotetradecanoic acid (PFTeDA) | ng/L | NC | < 0.32 | U | < 0.34 | U | < 1.7 | U |
| Perfluorotridecanoic Acid (PFTriA/PFTrDA) | ng/L | NC | < 0.24 | U | < 0.26 | U | < 1.7 | U |
| Perfluoroundecanoic Acid (PFUnA) | ng/L | NC | < 0.32 | U | < 0.34 | U | < 1.7 | U |

Notes:

¹New York State Department of Environmental Conservation, Sampling, Analysis, and Assessment of

Per- and Polyfluoroalkyl Substances (PFAS), November 2022

Sample Type Code: EB - Equipment Blank

ng/L - nanogram per liter = parts per trillion (ppt)

NC - No criteria currently exists

NA - Compound was not analyzed for

U - Compound was not detected at the reporting limit shown

J - An estimated value

Bold - Indicates the compound was detected

| | | | Client Sample ID: | WM-SB- | 03 2-12IN | WM-SB- | -03 72IN | WM-SB- | -04 0-21N | WM-SB-04 | 168-180IN | WM-SB- | 04 2-12IN |
|--|-------|-----------------------------|-----------------------------|---------|-----------|---------|-----------|---------|-----------|----------|-----------|---------|-----------|
| | | | Lab Sample ID: | | 143-02 | | 143-03 | | 143-04 | | 143-06 | | 143-05 |
| | | | Location ID: | | -SB-03 | | SB-03 | | SB-04 | | -SB-04 | | SB-04 |
| | | | Sample Date: | | 5/2022 | | /2022 | | /2022 | | 5/2022 | | 5/2022 |
| | | | Sample Type Code: | N | | N | | N | | N | | N | |
| | | Unrestricted Use | Industrial Use | | | | | | | | | | |
| Analyte | Unit | Guidance Value ¹ | Guidance Value ¹ | Result | Qualifier | Result | Qualifier | Result | Qualifier | Result | Qualifier | Result | Qualifier |
| 11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid | µg/kg | NC | NC | < 0.13 | U | < 0.14 | U | < 0.13 | U | < 0.13 | U | < 0.13 | U |
| 1H,1H, 2H, 2H-Perfluorodecane sulfonic acid | µg/kg | NC | NC | < 0.12 | U | < 0.13 | U | < 0.12 | U | < 0.12 | U | < 0.12 | U |
| 1H,1H, 2H, 2H-Perfluorohexane sulfonic acid | µg/kg | NC | NC | < 0.088 | U | < 0.089 | U | < 0.083 | U | < 0.085 | U | < 0.088 | U |
| 1H,1H, 2H, 2H-Perfluorooctane sulfonic acid | µg/kg | NC | NC | < 0.11 | U | < 0.11 | U | < 0.1 | U | < 0.11 | U | < 0.11 | U |
| 4,8-Dioxa-3H-perfluorononanoic acid (ADONA) | µg/kg | NC | NC | < 0.15 | U | < 0.15 | U | < 0.14 | U | < 0.15 | U | < 0.15 | U |
| 9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid | µg/kg | NC | NC | < 0.12 | U | < 0.12 | U | < 0.11 | U | < 0.12 | U | < 0.12 | U |
| Hexafluoropropylene oxide dimer acid (HFPO-DA) | µg/kg | NC | NC | < 0.23 | U | < 0.23 | U | < 0.22 | U | < 0.22 | U | < 0.23 | U |
| N-deuterioethylperfluoro-1-octanesulfonamidoacetic acid | µg/kg | NC | NC | < 0.13 | U | < 0.14 | U | < 0.13 | U | < 0.13 | U | < 0.13 | U |
| N-deuteriomethylperfluoro-1-octanesulfonamidoacetic acid | µg/kg | NC | NC | < 0.087 | U | < 0.088 | U | < 0.082 | U | < 0.084 | U | < 0.087 | U |
| Nonafluoro-3,6-dioxaheptanoic acid | µg/kg | NC | NC | < 0.074 | U | < 0.075 | U | < 0.07 | U | < 0.072 | U | < 0.074 | U |
| Perfluoro(2-ethoxyethane)sulfonic acid | µg/kg | NC | NC | < 0.079 | U | < 0.08 | U | < 0.074 | U | < 0.076 | U | < 0.079 | U |
| Perfluoro-1-butanesulfonamide (FBSA) | µg/kg | NC | NC | < 0.15 | U | < 0.15 | U | < 0.14 | U | < 0.15 | U | < 0.15 | U |
| Perfluoro-1-hexanesulfonamide (FHxSA) | µg/kg | NC | NC | < 0.14 | U | < 0.15 | U | < 0.14 | U | < 0.14 | U | < 0.14 | U |
| Perfluoro-3-methoxypropanoic acid | µg/kg | NC | NC | < 0.09 | U | < 0.091 | U | < 0.085 | U | < 0.088 | U | < 0.09 | U |
| Perfluoro-4-methoxybutanoic acid | µg/kg | NC | NC | < 0.088 | U | < 0.089 | U | < 0.083 | U | < 0.085 | U | < 0.088 | U |
| Perfluorobutanesulfonic acid (PFBS) | µg/kg | NC | NC | < 0.073 | U | < 0.074 | U | < 0.069 | U | < 0.071 | U | < 0.073 | U |
| Perfluorobutanoic Acid (PFBA) | µg/kg | NC | NC | < 0.064 | U | < 0.064 | U | 0.11 | J | < 0.062 | U | < 0.064 | U |
| Perfluorodecanesulfonic acid (PFDS) | µg/kg | NC | NC | < 0.11 | U | < 0.11 | U | 0.33 | J | < 0.11 | U | < 0.11 | U |
| Perfluorodecanoic acid (PFDA) | µg/kg | NC | NC | < 0.062 | U | < 0.062 | U | 0.27 | J | < 0.06 | U | < 0.062 | U |
| Perfluorododecanoic acid (PFDoA) | µg/kg | NC | NC | < 0.073 | U | < 0.074 | U | 0.17 | J | < 0.071 | U | < 0.073 | U |
| Perfluoroheptanesulfonic acid (PFHpS) | µg/kg | NC | NC | < 0.14 | U | < 0.15 | U | < 0.13 | U | < 0.14 | U | < 0.14 | U |
| Perfluoroheptanoic acid (PFHpA) | µg/kg | NC | NC | < 0.069 | U | < 0.07 | U | 0.067 | J | < 0.067 | U | < 0.069 | U |
| Perfluorohexanesulfonic acid (PFHxS) | µg/kg | NC | NC | < 0.076 | U | < 0.077 | U | < 0.072 | U | < 0.074 | U | < 0.076 | U |
| Perfluorohexanoic acid (PFHxA) | µg/kg | NC | NC | < 0.089 | U | < 0.09 | U | 0.34 | J | < 0.087 | U | < 0.089 | U |
| Perfluorononanesulfonic Acid (PFNS) | µg/kg | NC | NC | < 0.13 | U | < 0.13 | U | < 0.12 | U | < 0.13 | U | < 0.13 | U |
| Perfluorononanoic acid (PFNA) | µg/kg | NC | NC | < 0.079 | U | < 0.08 | U | 0.086 | J | < 0.076 | U | < 0.079 | U |
| Perfluorooctane Sulfonamide (FOSA) | µg/kg | NC | NC | < 0.093 | U | < 0.095 | U | < 0.088 | U | < 0.091 | U | < 0.093 | U |
| Perfluorooctanesulfonic acid (PFOS) | µg/kg | 0.88 | 440 | 0.16 | J | 0.29 | J | 0.81 | | < 0.063 | U | 0.34 | J |
| Perfluorooctanoic acid (PFOA) | µg/kg | 0.66 | 600 | < 0.14 | U | < 0.14 | U | 0.19 | J | < 0.13 | U | 0.35 | J |
| Perfluoropentanesulfonic Acid (PFPeS) | µg/kg | NC | NC | < 0.07 | U | < 0.071 | U | < 0.066 | U | < 0.068 | U | < 0.07 | U |
| Perfluoropentanoic Acid (PFPeA) | µg/kg | NC | NC | < 0.073 | U | < 0.074 | U | 1.1 | | < 0.071 | U | < 0.073 | U |
| Perfluorotetradecanoic acid (PFTA) | µg/kg | NC | NC | < 0.091 | U | < 0.092 | U | 0.12 | J | < 0.089 | U | < 0.091 | U |
| Perfluorotridecanoic Acid (PFTriA/PFTrDA) | µg/kg | NC | NC | < 0.11 | U | < 0.11 | U | < 0.1 | U | < 0.1 | U | < 0.11 | U |
| Perfluoroundecanoic Acid (PFUnA) | µg/kg | NC | NC | < 0.087 | U | < 0.088 | U | 0.14 | J | < 0.084 | U | < 0.087 | U |
| Notes: | | | • | • | • | • | | | | • | • | | - |

Notes:

¹New York State Department of Environmental Conservation, *Sampling, Analysis, and Assessment of Per- and*

Polyfluoroalkyl Substances (PFAS), November 2022

Sample Type Code: N - Normal, FD -Field Duplicate

µg/kg - microgram per kilogram = parts per billion (ppb)

NC - No criteria currently exists

U - Compound was not detected at the reporting limit shown

J - An estimated value

Bold - Indicates the compound was detected

Highlighted - Indicates the compound was detected above Unrestricted Use guidance value

| | | | Client Sample ID: | WM-SB- | 05 0-21N | WM-SB-05 | 5 84-120IN | WM-SB | -06 0-21N | WM-SB- | 06 2-12IN | DI | UPE |
|--|-------|-----------------------------|-----------------------------|---------|-----------|----------|------------|---------|-----------|---------|-----------|---------|-----------|
| | | | Lab Sample ID: | | 143-07 | | 143-23 | | 143-17 | | 143-18 | | 143-21 |
| | | | Location ID: | WM- | SB-05 | WM- | SB-05 | WM | SB-06 | WM- | SB-06 | WM-SB- | 06 2-12IN |
| | | | Sample Date: | 8/15 | /2022 | 8/17 | /2022 | 8/16 | /2022 | 8/16 | /2022 | 8/16 | 5/2022 |
| | | | Sample Type Code: | Ν | | N | | N | | N | | FD | |
| | | Unrestricted Use | Industrial Use | | | | | | | | | | |
| Analyte | Unit | Guidance Value ¹ | Guidance Value ¹ | Result | Qualifier | Result | Qualifier | Result | Qualifier | Result | Qualifier | Result | Qualifier |
| 11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid | µg/kg | NC | NC | < 0.13 | U | < 0.14 | U | < 0.14 | U | < 0.14 | U | < 0.13 | U |
| 1H,1H, 2H, 2H-Perfluorodecane sulfonic acid | µg/kg | NC | NC | < 0.12 | U | < 0.13 | U | < 0.13 | U | < 0.13 | U | < 0.12 | U |
| 1H,1H, 2H, 2H-Perfluorohexane sulfonic acid | µg/kg | NC | NC | < 0.087 | U | < 0.092 | U | < 0.09 | U | < 0.09 | U | < 0.085 | U |
| 1H,1H, 2H, 2H-Perfluorooctane sulfonic acid | µg/kg | NC | NC | < 0.11 | U | < 0.11 | U | < 0.11 | U | < 0.11 | U | < 0.11 | U |
| 4,8-Dioxa-3H-perfluorononanoic acid (ADONA) | µg/kg | NC | NC | < 0.15 | U | < 0.16 | U | < 0.16 | U | < 0.16 | U | < 0.15 | U |
| 9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid | µg/kg | NC | NC | < 0.12 | U | < 0.12 | U | < 0.12 | U | < 0.12 | U | < 0.12 | U |
| Hexafluoropropylene oxide dimer acid (HFPO-DA) | µg/kg | NC | NC | < 0.23 | U | < 0.24 | U | < 0.24 | U | < 0.24 | U | < 0.22 | U |
| N-deuterioethylperfluoro-1-octanesulfonamidoacetic acid | µg/kg | NC | NC | < 0.13 | U | < 0.14 | U | < 0.14 | U | < 0.14 | U | < 0.13 | U |
| N-deuteriomethylperfluoro-1-octanesulfonamidoacetic acid | µg/kg | NC | NC | < 0.086 | U | < 0.091 | U | < 0.089 | U | < 0.089 | U | < 0.084 | U |
| Nonafluoro-3,6-dioxaheptanoic acid | µg/kg | NC | NC | < 0.073 | U | < 0.077 | U | < 0.076 | U | < 0.076 | U | < 0.072 | U |
| Perfluoro(2-ethoxyethane)sulfonic acid | µg/kg | NC | NC | < 0.078 | U | < 0.082 | U | < 0.081 | U | < 0.08 | U | < 0.076 | U |
| Perfluoro-1-butanesulfonamide (FBSA) | µg/kg | NC | NC | < 0.15 | U | < 0.16 | U | < 0.16 | U | < 0.16 | U | < 0.15 | U |
| Perfluoro-1-hexanesulfonamide (FHxSA) | µg/kg | NC | NC | < 0.14 | U | < 0.15 | U | < 0.15 | U | < 0.15 | U | < 0.14 | U |
| Perfluoro-3-methoxypropanoic acid | µg/kg | NC | NC | < 0.089 | U | < 0.094 | U | < 0.092 | U | < 0.092 | U | < 0.088 | U |
| Perfluoro-4-methoxybutanoic acid | µg/kg | NC | NC | < 0.087 | U | < 0.092 | U | < 0.09 | U | < 0.09 | U | < 0.085 | U |
| Perfluorobutanesulfonic acid (PFBS) | µg/kg | NC | NC | < 0.072 | U | < 0.076 | U | < 0.075 | U | < 0.075 | U | < 0.071 | U |
| Perfluorobutanoic Acid (PFBA) | µg/kg | NC | NC | < 0.063 | U | < 0.066 | U | < 0.065 | U | < 0.065 | U | < 0.062 | U |
| Perfluorodecanesulfonic acid (PFDS) | µg/kg | NC | NC | 0.33 | J | < 0.12 | U | < 0.11 | U | < 0.11 | U | < 0.11 | U |
| Perfluorodecanoic acid (PFDA) | µg/kg | NC | NC | 0.19 | J | < 0.064 | U | < 0.063 | U | < 0.063 | U | < 0.06 | U |
| Perfluorododecanoic acid (PFDoA) | µg/kg | NC | NC | 0.16 | J | < 0.076 | U | < 0.075 | U | < 0.075 | U | < 0.071 | U |
| Perfluoroheptanesulfonic acid (PFHpS) | µg/kg | NC | NC | < 0.14 | U | < 0.15 | U | < 0.15 | U | < 0.15 | U | < 0.14 | U |
| Perfluoroheptanoic acid (PFHpA) | µg/kg | NC | NC | < 0.068 | U | < 0.072 | U | < 0.071 | U | < 0.071 | U | < 0.067 | U |
| Perfluorohexanesulfonic acid (PFHxS) | µg/kg | NC | NC | < 0.076 | U | < 0.08 | U | < 0.078 | U | < 0.078 | U | < 0.074 | U |
| Perfluorohexanoic acid (PFHxA) | µg/kg | NC | NC | 0.12 | J | < 0.093 | U | < 0.091 | U | < 0.091 | U | < 0.087 | U |
| Perfluorononanesulfonic Acid (PFNS) | µg/kg | NC | NC | < 0.13 | U | < 0.13 | U | < 0.13 | U | < 0.13 | U | < 0.13 | U |
| Perfluorononanoic acid (PFNA) | µg/kg | NC | NC | < 0.078 | U | < 0.082 | U | < 0.081 | U | < 0.08 | U | < 0.076 | U |
| Perfluorooctane Sulfonamide (FOSA) | µg/kg | NC | NC | < 0.092 | U | < 0.097 | U | < 0.096 | U | < 0.096 | U | < 0.091 | U |
| Perfluorooctanesulfonic acid (PFOS) | µg/kg | 0.88 | 440 | 0.52 | | 0.078 | J | 0.48 | J | 0.36 | J | 0.44 | J |
| Perfluorooctanoic acid (PFOA) | µg/kg | 0.66 | 600 | < 0.13 | U | < 0.14 | U | < 0.14 | U | < 0.14 | U | < 0.13 | U |
| Perfluoropentanesulfonic Acid (PFPeS) | µg/kg | NC | NC | < 0.069 | U | < 0.073 | U | < 0.072 | U | < 0.072 | U | < 0.068 | U |
| Perfluoropentanoic Acid (PFPeA) | µg/kg | NC | NC | 0.25 | J | 0.10 | J | < 0.075 | U | < 0.075 | U | < 0.071 | U |
| Perfluorotetradecanoic acid (PFTA) | µg/kg | NC | NC | 0.10 | J | < 0.095 | U | < 0.094 | U | < 0.094 | U | < 0.089 | U |
| Perfluorotridecanoic Acid (PFTriA/PFTrDA) | µg/kg | NC | NC | < 0.11 | U | < 0.11 | U | < 0.11 | U | < 0.11 | U | < 0.1 | U |
| Perfluoroundecanoic Acid (PFUnA) | µg/kg | NC | NC | 0.097 | J | < 0.091 | U | 0.099 | J | < 0.089 | U | < 0.084 | U |
| Notes: | | | • | | • | | | | | | | | • |

Notes:

¹New York State Department of Environmental Conservation, *Sampling, Analysis, and Assessment of Per- and*

Polyfluoroalkyl Substances (PFAS), November 2022

Sample Type Code: N - Normal, FD -Field Duplicate

µg/kg - microgram per kilogram = parts per billion (ppb)

NC - No criteria currently exists

U - Compound was not detected at the reporting limit shown

J - An estimated value

Bold - Indicates the compound was detected

Highlighted - Indicates the compound was detected above Unrestricted Use guidance value

| | | | Client Sample ID: | WM-SB- | 06 36-48IN | WM-SB- | 07 0-21N | WM-SB- | 07 2-12IN | WM-SB-0 |)7 84-96IN | WM-SB | -08 0-21N |
|--|-------|-----------------------------|-----------------------------|---------|------------|---------|-----------|---------|-----------|---------|------------|---------|-----------|
| | | | Lab Sample ID: | | 143-19 | | 143-13 | | 143-15 | | 143-16 | | 143-08 |
| | | | Location ID: | | -SB-06 | | SB-07 | | SB-07 | | SB-07 | | -SB-08 |
| | | | Sample Date: | | 5/2022 | | /2022 | | /2022 | | /2022 | | 5/2022 |
| | | | Sample Type Code: | N | | N | | N | | N | | N | |
| | | Unrestricted Use | Industrial Use | | | | | | | | | | |
| Analyte | Unit | Guidance Value ¹ | Guidance Value ¹ | Result | Qualifier | Result | Qualifier | Result | Qualifier | Result | Qualifier | Result | Qualifier |
| 11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid | µg/kg | NC | NC | < 0.14 | U | < 0.13 | U | < 0.12 | U | < 0.13 | U | < 0.13 | U |
| 1H,1H, 2H, 2H-Perfluorodecane sulfonic acid | µg/kg | NC | NC | < 0.13 | U | < 0.12 | U | < 0.12 | U | < 0.12 | U | < 0.12 | U |
| 1H,1H, 2H, 2H-Perfluorohexane sulfonic acid | µg/kg | NC | NC | < 0.09 | U | < 0.087 | U | < 0.082 | U | < 0.087 | U | < 0.086 | U |
| 1H,1H, 2H, 2H-Perfluorooctane sulfonic acid | µg/kg | NC | NC | < 0.11 | U | < 0.11 | U | < 0.1 | U | < 0.11 | U | < 0.11 | U |
| 4,8-Dioxa-3H-perfluorononanoic acid (ADONA) | µg/kg | NC | NC | < 0.16 | U | < 0.15 | U | < 0.14 | U | < 0.15 | U | < 0.15 | U |
| 9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid | µg/kg | NC | NC | < 0.12 | U | < 0.12 | U | < 0.11 | U | < 0.12 | U | < 0.12 | U |
| Hexafluoropropylene oxide dimer acid (HFPO-DA) | µg/kg | NC | NC | < 0.24 | U | < 0.23 | U | < 0.21 | U | < 0.23 | U | < 0.22 | U |
| N-deuterioethylperfluoro-1-octanesulfonamidoacetic acid | µg/kg | NC | NC | < 0.14 | U | < 0.13 | U | < 0.13 | U | < 0.13 | U | < 0.13 | U |
| N-deuteriomethylperfluoro-1-octanesulfonamidoacetic acid | µg/kg | NC | NC | < 0.089 | U | < 0.086 | U | < 0.081 | U | < 0.086 | U | < 0.085 | U |
| Nonafluoro-3,6-dioxaheptanoic acid | µg/kg | NC | NC | < 0.076 | U | < 0.074 | U | < 0.069 | U | < 0.073 | U | < 0.072 | U |
| Perfluoro(2-ethoxyethane)sulfonic acid | µg/kg | NC | NC | < 0.08 | U | < 0.078 | U | < 0.073 | U | < 0.077 | U | < 0.077 | U |
| Perfluoro-1-butanesulfonamide (FBSA) | µg/kg | NC | NC | < 0.16 | U | < 0.15 | U | < 0.14 | U | < 0.15 | U | < 0.15 | U |
| Perfluoro-1-hexanesulfonamide (FHxSA) | µg/kg | NC | NC | < 0.15 | U | < 0.14 | U | < 0.13 | U | < 0.14 | U | < 0.14 | U |
| Perfluoro-3-methoxypropanoic acid | µg/kg | NC | NC | < 0.092 | U | < 0.09 | U | < 0.084 | U | < 0.089 | U | < 0.088 | U |
| Perfluoro-4-methoxybutanoic acid | µg/kg | NC | NC | < 0.09 | U | < 0.087 | U | < 0.082 | U | < 0.087 | U | < 0.086 | U |
| Perfluorobutanesulfonic acid (PFBS) | µg/kg | NC | NC | < 0.075 | U | < 0.073 | U | < 0.068 | U | < 0.072 | U | < 0.071 | U |
| Perfluorobutanoic Acid (PFBA) | µg/kg | NC | NC | < 0.065 | U | < 0.063 | U | < 0.059 | U | < 0.063 | U | < 0.062 | U |
| Perfluorodecanesulfonic acid (PFDS) | µg/kg | NC | NC | < 0.11 | U | < 0.11 | U | < 0.1 | U | < 0.11 | U | < 0.11 | U |
| Perfluorodecanoic acid (PFDA) | µg/kg | NC | NC | < 0.063 | U | < 0.061 | U | < 0.057 | U | < 0.061 | U | 0.14 | J |
| Perfluorododecanoic acid (PFDoA) | µg/kg | NC | NC | < 0.075 | U | < 0.073 | U | < 0.068 | U | < 0.072 | U | 0.12 | J |
| Perfluoroheptanesulfonic acid (PFHpS) | µg/kg | NC | NC | < 0.15 | U | < 0.14 | U | < 0.13 | U | < 0.14 | U | < 0.14 | U |
| Perfluoroheptanoic acid (PFHpA) | µg/kg | NC | NC | < 0.071 | U | < 0.069 | U | < 0.064 | U | < 0.068 | U | < 0.067 | U |
| Perfluorohexanesulfonic acid (PFHxS) | µg/kg | NC | NC | < 0.078 | U | < 0.076 | U | < 0.071 | U | < 0.075 | U | < 0.074 | U |
| Perfluorohexanoic acid (PFHxA) | µg/kg | NC | NC | < 0.091 | U | < 0.089 | U | < 0.083 | U | < 0.088 | U | < 0.087 | U |
| Perfluorononanesulfonic Acid (PFNS) | µg/kg | NC | NC | < 0.13 | U | < 0.13 | U | < 0.12 | U | < 0.13 | U | < 0.13 | U |
| Perfluorononanoic acid (PFNA) | µg/kg | NC | NC | < 0.08 | U | < 0.078 | U | < 0.073 | U | < 0.077 | U | < 0.077 | U |
| Perfluorooctane Sulfonamide (FOSA) | µg/kg | NC | NC | < 0.096 | U | < 0.093 | U | < 0.087 | U | < 0.092 | U | < 0.091 | U |
| Perfluorooctanesulfonic acid (PFOS) | µg/kg | 0.88 | 440 | < 0.066 | U | 0.34 | J | 0.52 | | < 0.064 | U | 0.25 | J |
| Perfluorooctanoic acid (PFOA) | µg/kg | 0.66 | 600 | < 0.14 | U | < 0.13 | U | < 0.13 | U | < 0.13 | U | < 0.13 | U |
| Perfluoropentanesulfonic Acid (PFPeS) | µg/kg | NC | NC | < 0.072 | U | < 0.07 | U | < 0.065 | U | < 0.069 | U | < 0.068 | U |
| Perfluoropentanoic Acid (PFPeA) | µg/kg | NC | NC | < 0.075 | U | < 0.073 | U | < 0.068 | U | < 0.072 | U | < 0.071 | U |
| Perfluorotetradecanoic acid (PFTA) | µg/kg | NC | NC | < 0.093 | U | < 0.091 | U | < 0.085 | U | < 0.09 | U | < 0.089 | U |
| Perfluorotridecanoic Acid (PFTriA/PFTrDA) | µg/kg | NC | NC | < 0.11 | U | < 0.11 | U | < 0.099 | U | < 0.11 | U | < 0.1 | U |
| Perfluoroundecanoic Acid (PFUnA) | µg/kg | NC | NC | < 0.089 | U | < 0.086 | U | < 0.081 | U | < 0.086 | U | 0.098 | J |
| Notes: | | | • | • | | | | | | • | | | |

Notes:

¹New York State Department of Environmental Conservation, *Sampling, Analysis, and Assessment of Per- and*

Polyfluoroalkyl Substances (PFAS), November 2022

Sample Type Code: N - Normal, FD -Field Duplicate

µg/kg - microgram per kilogram = parts per billion (ppb)

NC - No criteria currently exists

U - Compound was not detected at the reporting limit shown

J - An estimated value

Bold - Indicates the compound was detected

Highlighted - Indicates the compound was detected above Unrestricted Use guidance value

| | | | Client Sample ID: | WM-SB-08 | 3 120-132IN | WM-SB-0 | 08 2-12IN |
|--|-------|-----------------------------|-----------------------------|----------|-------------|---------|-----------|
| | | | Lab Sample ID: | 22H1 | 143-14 | 22H1 | 143-10 |
| | | | Location ID: | WM | -SB-08 | WM- | SB-08 |
| | | | Sample Date: | 8/16 | 6/2022 | 8/16 | /2022 |
| | | | Sample Type Code: | | N | | N |
| | | Unrestricted Use | Industrial Use | | | | |
| Analyte | Unit | Guidance Value ¹ | Guidance Value ¹ | Result | Qualifier | Result | Qualifier |
| 11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid | µg/kg | NC | NC | < 0.15 | U | < 0.14 | U |
| 1H,1H, 2H, 2H-Perfluorodecane sulfonic acid | µg/kg | NC | NC | < 0.14 | U | < 0.13 | U |
| 1H,1H, 2H, 2H-Perfluorohexane sulfonic acid | µg/kg | NC | NC | < 0.1 | U | < 0.091 | U |
| 1H,1H, 2H, 2H-Perfluorooctane sulfonic acid | µg/kg | NC | NC | < 0.12 | U | < 0.11 | U |
| 4,8-Dioxa-3H-perfluorononanoic acid (ADONA) | µg/kg | NC | NC | < 0.17 | U | < 0.16 | U |
| 9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid | µg/kg | NC | NC | < 0.14 | U | < 0.12 | U |
| Hexafluoropropylene oxide dimer acid (HFPO-DA) | µg/kg | NC | NC | < 0.26 | U | < 0.24 | U |
| N-deuterioethylperfluoro-1-octanesulfonamidoacetic acid | µg/kg | NC | NC | < 0.15 | U | < 0.14 | U |
| N-deuteriomethylperfluoro-1-octanesulfonamidoacetic acid | µg/kg | NC | NC | < 0.099 | U | < 0.09 | U |
| Nonafluoro-3,6-dioxaheptanoic acid | µg/kg | NC | NC | < 0.085 | U | < 0.077 | U |
| Perfluoro(2-ethoxyethane)sulfonic acid | µg/kg | NC | NC | < 0.089 | U | < 0.081 | U |
| Perfluoro-1-butanesulfonamide (FBSA) | µg/kg | NC | NC | < 0.17 | U | < 0.16 | U |
| Perfluoro-1-hexanesulfonamide (FHxSA) | µg/kg | NC | NC | < 0.16 | U | < 0.15 | U |
| Perfluoro-3-methoxypropanoic acid | µg/kg | NC | NC | < 0.1 | U | < 0.093 | U |
| Perfluoro-4-methoxybutanoic acid | µg/kg | NC | NC | < 0.1 | U | < 0.091 | U |
| Perfluorobutanesulfonic acid (PFBS) | µg/kg | NC | NC | < 0.083 | U | < 0.076 | U |
| Perfluorobutanoic Acid (PFBA) | µg/kg | NC | NC | < 0.072 | U | < 0.066 | U |
| Perfluorodecanesulfonic acid (PFDS) | µg/kg | NC | NC | < 0.13 | U | < 0.12 | U |
| Perfluorodecanoic acid (PFDA) | µg/kg | NC | NC | < 0.07 | U | < 0.064 | U |
| Perfluorododecanoic acid (PFDoA) | µg/kg | NC | NC | < 0.083 | U | < 0.076 | U |
| Perfluoroheptanesulfonic acid (PFHpS) | µg/kg | NC | NC | < 0.16 | U | < 0.15 | U |
| Perfluoroheptanoic acid (PFHpA) | µg/kg | NC | NC | < 0.078 | U | < 0.071 | U |
| Perfluorohexanesulfonic acid (PFHxS) | µg/kg | NC | NC | < 0.087 | U | < 0.079 | U |
| Perfluorohexanoic acid (PFHxA) | µg/kg | NC | NC | < 0.1 | U | < 0.092 | U |
| Perfluorononanesulfonic Acid (PFNS) | µg/kg | NC | NC | < 0.15 | U | < 0.13 | U |
| Perfluorononanoic acid (PFNA) | µg/kg | NC | NC | < 0.089 | U | < 0.081 | U |
| Perfluorooctane Sulfonamide (FOSA) | µg/kg | NC | NC | < 0.11 | U | < 0.097 | U |
| Perfluorooctanesulfonic acid (PFOS) | µg/kg | 0.88 | 440 | < 0.074 | U | 0.33 | J |
| Perfluorooctanoic acid (PFOA) | µg/kg | 0.66 | 600 | < 0.15 | U | < 0.14 | U |
| Perfluoropentanesulfonic Acid (PFPeS) | µg/kg | NC | NC | < 0.08 | U | < 0.072 | U |
| Perfluoropentanoic Acid (PFPeA) | µg/kg | NC | NC | < 0.083 | U | < 0.076 | U |
| Perfluorotetradecanoic acid (PFTA) | µg/kg | NC | NC | < 0.1 | U | < 0.094 | U |
| Perfluorotridecanoic Acid (PFTriA/PFTrDA) | µg/kg | NC | NC | < 0.12 | U | < 0.11 | U |
| Perfluoroundecanoic Acid (PFUnA) | µg/kg | NC | NC | < 0.099 | U | < 0.09 | U |
| Notes: | | | | | • | | |

¹New York State Department of Environmental Conservation, Sampling, Analysis, and Assessment of Per- and

Polyfluoroalkyl Substances (PFAS), November 2022

Sample Type Code: N - Normal, FD -Field Duplicate

µg/kg - microgram per kilogram = parts per billion (ppb)

NC - No criteria currently exists

U - Compound was not detected at the reporting limit shown

J - An estimated value

Bold - Indicates the compound was detected

Highlighted - Indicates the compound was detected above Unrestricted Use guidance value

Table 3BWaste Management, Inc.Soil, Volatile Organic Compound (VOC) Results

| | | | Client Sample ID: Lab Sample ID: Location ID: Sample Date: Sample Type Code: | 22H1 WM 8/10 | 6 20220816 143-20 -SB-06 5/2022 N |
|--|-------|---|--|--------------------|---|
| Analyte | Unit | Unrestricted Use Guidance Value ¹ | Industrial Use Guidance Value ¹ | Result | Qualifier |
| 1,1,1,2-Tetrachloroethane | mg/kg | NC | NC | < 0.25 | U |
| 1,1,1-Trichloroethane (TCA) | mg/kg | 0.68 | 1000 | < 0.25 | U |
| 1,1,2,2-Tetrachloroethane | mg/kg | NC | NC | < 0.13 | U |
| 1,1,2-Trichloro-1,2,2-Trifluoroethane | mg/kg | NC | NC | < 0.51 | U |
| 1,1,2-Trichloroethane | mg/kg | NC | NC | < 0.25 | U |
| 1,1-Dichloroethane | mg/kg | 0.27 | 480 | < 0.25 | U |
| 1,1-Dichloroethene | mg/kg | 0.33 | 1000 | < 0.25 | U |
| 1,1-Dichloropropene | mg/kg | NC | NC | < 0.51 | U |
| 1,2,3-Trichlorobenzene | mg/kg | NC | NC | < 1.3 | U |
| 1,2,3-Trichloropropane | mg/kg | NC | NC | < 0.51 | U |
| 1,2,4-Trichlorobenzene | mg/kg | NC | NC | < 0.25 | U |
| 1,2,4-Trimethylbenzene | mg/kg | 3.6 | 380 | < 0.25 | U |
| 1,2-Dibromo-3-Chloropropane | mg/kg | NC | NC | < 1.3 | U |
| 1,2-Dibromoethane (Ethylene Dibromide) | mg/kg | NC | NC | < 0.13 | U |
| 1,2-Dichlorobenzene | mg/kg | 1.1 | 1000 | < 0.25 | U |
| 1,2-Dichloroethane | mg/kg | 0.02 | 60 | < 0.25 | U |
| 1,2-Dichloropropane | mg/kg | NC | NC | < 0.25 | U |
| 1,3,5-Trichlorobenzene | mg/kg | NC | NC | < 0.25 | U |
| 1,3,5-Trimethylbenzene (Mesitylene) | mg/kg | 8.4 | 380 | < 0.25 | U |
| 1,3-Dichlorobenzene | mg/kg | 2.4 | 560 | < 0.25 | U |
| 1,3-Dichloropropane | mg/kg | NC | NC | < 0.13 | U |
| 1,4-Dichlorobenzene | mg/kg | 1.8 | 250 | < 0.25 | U |
| 1,4-Dioxane (P-Dioxane) | mg/kg | 0.1 | 250 | < 13 | U |
| 2,2-Dichloropropane | mg/kg | NC | NC | < 0.25 | U |
| 2-Chlorotoluene | mg/kg | NC | NC | < 0.25 | U |
| 2-Hexanone | mg/kg | NC | NC | < 2.5 | U |
| 2-Methoxy-2-Methylbutane | mg/kg | NC | NC | < 0.13 | U |
| 4-Chlorotoluene | mg/kg | NC | NC | < 0.25 | U |
| Acetone | mg/kg | 0.05 | 1000 | < 13 | U |
| Acrylonitrile | mg/kg | NC | NC | < 1.3 | U |
| Benzene | mg/kg | 0.06 | 89 | < 0.25 | U |
| Bromobenzene | mg/kg | NC | NC | < 0.25 | U |
| Bromochloromethane | mg/kg | NC | NC | < 0.25 | U |
| Bromodichloromethane | mg/kg | NC | NC | < 0.25 | U |
| Bromoform | mg/kg | NC | NC | < 0.51 | U |
| Bromomethane | mg/kg | NC | NC | < 0.51 | U |
| Carbon Disulfide | mg/kg | NC | NC | < 1.3 | U |
| Carbon Tetrachloride | mg/kg | 0.76 | 44 | < 0.25 | U |
| Chlorobenzene | mg/kg | 1.1 | 1000 | < 0.25 | U |
| Chloroethane | mg/kg | NC | NC | < 0.51 | U |
| Chloroform | mg/kg | 0.37 | 700 | < 0.51 | U |
| Chloromethane (Methyl Chloride) | mg/kg | NC | NC | < 0.51 | U |
| Cis-1,2-Dichloroethylene | mg/kg | 0.25 | 1000 | < 0.25 | U |
| Cis-1,3-Dichloropropene | mg/kg | NC | NC | < 0.13 | U |
| Cymene (4-Isopropyltoluene) | mg/kg | NC | NC | < 0.25 | U |
| Dibromochloromethane | mg/kg | NC | NC | < 0.13 | U |
| Dibromomethane | mg/kg | NC | NC | < 0.25 | U |
| Dichlorodifluoromethane | mg/kg | NC | NC | < 0.51 | U |

Table 3B Waste Management, Inc. Soil, Volatile Organic Compound (VOC) Results

| | | | Client Sample ID: | WM-SB-06 | 20220816 | |
|---|-------|-----------------------------|-----------------------------|----------|-----------|--|
| | | | Lab Sample ID: | 22H11 | 43-20 | |
| | | | Location ID: | WM-S | SB-06 | |
| | | | Sample Date: | 8/16/ | /2022 | |
| | | | Sample Type Code: | 1 | N | |
| | | Unrestricted Use | Industrial Use | Desult | Qualifian | |
| Analyte | Unit | Guidance Value ¹ | Guidance Value ¹ | Result | Qualifie | |
| Diethyl Ether (Ethyl Ether) | mg/kg | NC | NC | < 0.51 | U | |
| Ethyl Tert-Butyl Ether | mg/kg | NC | NC | < 0.13 | U | |
| Ethylbenzene | mg/kg | 1.0 | 780.0 | < 0.25 | U | |
| Hexachlorobutadiene | mg/kg | NC | NC | < 0.25 | U | |
| sopropyl Ether | mg/kg | NC | NC | < 0.13 | U | |
| Isopropylbenzene (Cumene) | mg/kg | NC | NC | 0.31 | D | |
| m,p-Xylene | mg/kg | NC | NC | 0.94 | D | |
| Methyl Acetate | mg/kg | NC | NC | < 2.5 | U | |
| Methyl Ethyl Ketone (2-Butanone) | mg/kg | 0.12 | 1000 | < 5.1 | U | |
| Methyl Isobutyl Ketone (4-Methyl-2-Pentanone) | mg/kg | NC | NC | < 2.5 | U | |
| Methylcyclohexane | mg/kg | NC | NC | < 0.25 | U | |
| Methylene Chloride | mg/kg | 0.05 | 1000 | < 1.3 | U | |
| Naphthalene | mg/kg | 12 | 1000 | < 0.51 | U | |
| N-Butylbenzene | mg/kg | 12 | 1000 | < 0.25 | U | |
| N-Propylbenzene | mg/kg | 3.9 | 1000 | 0.4 | D | |
| O-Xylene (1,2-Dimethylbenzene) | mg/kg | 0.26 | #N/A | < 0.25 | U | |
| Sec-Butylbenzene | mg/kg | 11 | 1000 | < 0.25 | U | |
| Styrene | mg/kg | NC | NC | < 0.25 | U | |
| T-Butylbenzene | mg/kg | 5.9 | 1000 | < 0.25 | U | |
| Tert-Butyl Alcohol | mg/kg | NC | NC | < 5.1 | U | |
| Tert-Butyl Methyl Ether | mg/kg | 0.93 | 1000 | < 0.25 | U | |
| Tetrachloroethylene (PCE) | mg/kg | 1.3 | 300 | < 0.25 | U | |
| Tetrahydrofuran | mg/kg | NC | NC | < 2.5 | U | |
| Toluene | mg/kg | 0.7 | 1000 | < 0.25 | U | |
| Trans-1,2-Dichloroethene | mg/kg | 0.19 | 1000 | < 0.25 | U | |
| Trans-1,3-Dichloropropene | mg/kg | NC | NC | < 0.13 | U | |
| Trans-1,4-Dichloro-2-Butene | mg/kg | NC | NC | < 0.51 | U | |
| Trichloroethylene (TCE) | mg/kg | 0.47 | 400 | < 0.25 | U | |
| Trichlorofluoromethane | mg/kg | NC | NC | < 0.51 | U | |
| Vinyl Chloride | mg/kg | 0.02 | 27 | < 0.51 | U | |

¹6 NYCRR Part 375-6.8(a), 375-6.8(b) Soil Cleanup Objective Tables, 2006

Sample Type Code: N - Normal, FD -Field Duplicate

mg/kg - milligram per kilogram = parts per million (ppm)

NC - No criteria currently exists

U - Compound was not detected at the reporting limit shown

J - An estimated value

D - Identified compound in the analysis was diluted to determine result

Bold - Indicates the compound was detected

Highlighted - Indicates the compound was detected above Unrestricted Use guidance value

Table 3C Waste Management Inc Soil, Semi-volatile Organic Compound (SVOC) Results

| | | | Client Sample ID: Lab Sample ID: Location ID: Sample Date: Sample Type Code: | 22H WM | 06 20220816 1143-20 I-SB-06 6/2022 N |
|--|----------------|-----------------------------|--|-----------------|--|
| Analyte | Unit | Unrestricted Use | Industrial Use | Result | Qualifier |
| 1,2,4,5-Tetrachlorobenzene | mg/kg | Guidance Value ¹ | Guidance Value ¹ NC | < 0.39 | U |
| 1,2,4-Trichlorobenzene | mg/kg | NC | NC | < 0.39 | U |
| 1.2-Dichlorobenzene | mg/kg | 1.1 | 1000 | < 0.39 | U |
| 1,2-Diphenylhydrazine | mg/kg | NC | NC | < 0.39 | U |
| 1,3-Dichlorobenzene | mg/kg | 2.4 | 560 | < 0.39 | U |
| 1,4-Dichlorobenzene | mg/kg | 1.8 | 250 | < 0.39 | U |
| 1-Methylnaphthalene | mg/kg | NC | NC | < 0.2 | U |
| 2,4,5-Trichlorophenol | mg/kg | NC | NC | < 0.39 | U |
| 2,4,6-Trichlorophenol | mg/kg | NC | NC | < 0.39 | U |
| 2,4-Dichlorophenol | mg/kg | NC | NC | < 0.39 | U |
| 2,4-Dimethylphenol | mg/kg | NC | NC | < 0.39 | U |
| 2,4-Dinitrophenol | mg/kg | NC | NC | < 0.76 | U |
| 2,4-Dinitrotoluene | mg/kg | NC | NC | < 0.39 | U |
| 2,6-Dinitrotoluene | mg/kg | NC | NC | < 0.39 | U |
| 2-Chloronaphthalene | mg/kg | NC | NC | < 0.39 | U |
| 2-Chlorophenol | mg/kg | NC | NC | < 0.39 | U |
| 2-Methylnaphthalene | mg/kg | NC | NC | < 0.2 | U |
| 2-Methylphenol (O-Cresol) | mg/kg | 0.33 | 1000 | < 0.39 | U |
| 2-Nitroaniline | mg/kg | NC | NC | < 0.39 | U |
| 2-Nitrophenol | mg/kg | NC | NC | < 0.39 | U |
| 3- And 4- Methylphenol (Total) 3,3'-Dichlorobenzidine | mg/kg | NC | NC NC | < 0.39 < 0.2 | U |
| 3-Nitroaniline | mg/kg mg/kg | NC NC | NC | < 0.2 | U |
| 4,6-Dinitro-2-Methylphenol | mg/kg | NC | NC | < 0.39 | U |
| 4-Bromophenyl Phenyl Ether | mg/kg | NC | NC | < 0.39 | U |
| 4-Chloro-3-Methylphenol | mg/kg | NC | NC | < 0.76 | U |
| 4-Chloroaniline | mg/kg | NC | NC | < 0.76 | U |
| 4-Chlorophenyl Phenyl Ether | mg/kg | NC | NC | < 0.39 | U |
| 4-Nitroaniline | mg/kg | NC | NC | < 0.39 | U |
| 4-Nitrophenol | mg/kg | NC | NC | < 0.76 | U |
| Acenaphthene | mg/kg | 20 | 1000 | < 0.2 | U |
| Acenaphthylene | mg/kg | 100 | 1000 | < 0.2 | U |
| Acetophenone | mg/kg | NC | NC | < 0.39 | U |
| Aniline | mg/kg | NC | NC | < 0.39 | U |
| Anthracene | mg/kg | 100 | 1000 | < 0.2 | U |
| Benzidine | mg/kg | NC | NC | < 0.76 | U |
| Benzo(A)Anthracene | mg/kg | 1 | 11 | < 0.2 | U |
| Benzo(A)Pyrene | mg/kg | 1 | 1.1 | < 0.2 | U |
| Benzo(B)Fluoranthene | mg/kg | 1 | 11 | < 0.2 | U |
| Benzo(G,H,I)Perylene | mg/kg | 100 | 1000 | < 0.2 | U |
| Benzo(K)Fluoranthene | mg/kg | 0.8 | 110 | < 0.2 | U |
| Benzoic Acid | mg/kg | NC | NC | < 1.2 | U |
| Benzyl Butyl Phthalate | mg/kg | NC | NC | < 0.39 | U |
| Bis(2-Chloroethoxy) Methane | mg/kg | NC | NC | < 0.39 | U |
| Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether) | mg/kg | NC | NC | < 0.39 | U |
| Bis(2-Chloroisopropyl) Ether | mg/kg | NC | NC | < 0.39 | - |
| Bis(2-Ethylhexyl) Phthalate Carbazole | mg/kg | NC NC | NC NC | < 0.39 < 0.2 | U |
| Carbazole Chrysene | mg/kg mg/kg | 1 | 110 NC | < 0.2 | U |
| Dibenz(A,H)Anthracene | mg/kg | 0.33 | 1.1 | < 0.2 | U |
| Dibenzofuran | mg/kg | 0.33 | 1.1 | < 0.2 | U |
| Diethyl Phthalate | mg/kg | NC | NC | < 0.39 | U |
| Dimethyl Phthalate | mg/kg | NC | NC | < 0.39 | U |
| Di-N-Butyl Phthalate | mg/kg | NC | NC | < 0.39 | U |
| Di-N-Octylphthalate | mg/kg | NC | NC | < 0.39 | U |
| Fluoranthene | mg/kg | 100 | 1000 | < 0.2 | U |
| Fluorene | mg/kg | 30 | 1000 | < 0.2 | U |
| Hexachlorobenzene | mg/kg | 0.33 | 12 | < 0.39 | U |
| Hexachlorobutadiene | mg/kg | NC | NC | < 0.39 | U |
| Hexachlorocyclopentadiene | mg/kg | NC | NC | < 0.39 | U |
| Hexachloroethane | mg/kg | NC | NC | < 0.39 | U |
| Indeno(1,2,3-C,D)Pyrene | mg/kg | 0.5 | 11 | < 0.2 | U |

Table 3C Waste Management Inc Soil, Semi-volatile Organic Compound (SVOC) Results

| | | | Client Sample ID: | WM-SB-06 | 20220816 | |
|---|----------------------|-----------------------------|-----------------------------|----------|-----------|--|
| | | | Lab Sample ID: | 22H1 | 143-20 | |
| | | | Location ID: | WM- | SB-06 | |
| | | | Sample Date: | 8/16 | /2022 | |
| | | | Sample Type Code: | : N | | |
| | | Unrestricted Use | Industrial Use | Dec. II | | |
| Analyte | Unit | Guidance Value ¹ | Guidance Value ¹ | Result | Qualifier | |
| Isophorone | mg/kg | NC | NC | < 0.39 | U | |
| Naphthalene | mg/kg | 12 | 1000 | < 0.2 | U | |
| Nitrobenzene | mg/kg | NC | NC | < 0.39 | U | |
| N-Nitrosodimethylamine | mg/kg | NC | NC | < 0.39 | U | |
| N-Nitrosodi-N-Propylamine | mg/kg | NC | NC | < 0.39 | U | |
| N-Nitrosodiphenylamine | mg/kg | NC | NC | < 0.39 | U | |
| Pentachloronitrobenzene | mg/kg | NC | NC | < 0.39 | U | |
| Pentachlorophenol | mg/kg | 0.8 | 55 | < 0.39 | U | |
| Phenanthrene | mg/kg | 100 | 1000 | 0.33 | | |
| Phenol | mg/kg | 0.33 | 1000 | < 0.39 | U | |
| Pyrene | mg/kg | 100 | 1000 | < 0.2 | U | |
| Pyridine | mg/kg | NC | NC | < 0.39 | U | |
| Notes: | | | | | | |
| ¹ 6 NYCRR Part 375-6.8(a), 375-6.8(b) So | oil Cleanup Obiectiv | ve Tables. 2006 | | | | |
| Sample Type Code: N - Normal, FD -Fie | | , | | | | |
| NC - No criteria currently exists | | | | | | |

mg/kg - milligram per kilogram / parts per million (ppm)

U - Compound was not detected at the reporting limit shown

J - An estimated value

D - Identified compound in the analysis was diluted to determine result

Bold - Indicates the compound was detected

Highlighted - Indicates the compound was detected above Unrestricted Use guidance value

Table 3D Waste Management Inc. Soil, Polychlorinated Biphenyl (PCB) Results

| SB-06 20220816 |
|----------------|
| 22H1143-20 |
| WM-SB-06 |
| 8/16/2022 |
| Ν |
| t Qualifier |
| U |
| U |
| U |
| U |
| 3.7 D |
| 9.3 D |
| 5.4 D |
| U |
| U |
| 8.40 D |
| |
| 1 |

NC - No criteria currently exists

mg/kg - milligram per kilogram = parts per million (ppm)

U - Compound was not detected at the reporting limit shown

J - An estimated value

D - Identified compound in the analysis was diluted to determine result

Bold - Indicates the compound was detected

Highlighted - Indicates the compound was detected above Unrestricted Use guidance value

Table 4Waste Management IncSediment, PFAS Results

| | Cli | ent Sample ID: | WM-SED | 0-01-20220816 | | |
|--|-------|-------------------------|-------------|---------------|--|--|
| | | Lab Sample ID: | 221 | H1143-12 | | |
| | | Location ID: | WN | /I-SED-01 | | |
| | | Sample Date: | : 8/16/2022 | | | |
| | Sam | ple Type Code: | N | | | |
| | | NYSDEC | | 0 110 | | |
| Analyte | Unit | Guidelines ¹ | Result | Qualifier | | |
| 11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid | µg/kg | NC | < 0.17 | U | | |
| 1H,1H, 2H, 2H-Perfluorodecane sulfonic acid | µg/kg | NC | < 0.15 | U | | |
| 1H,1H, 2H, 2H-Perfluorohexane sulfonic acid | µg/kg | NC | < 0.11 | U | | |
| 1H,1H, 2H, 2H-Perfluorooctane sulfonic acid | µg/kg | NC | < 0.14 | U | | |
| 4,8-Dioxa-3H-perfluorononanoic acid (ADONA) | µg/kg | NC | < 0.19 | U | | |
| 9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid | µg/kg | NC | < 0.15 | U | | |
| Hexafluoropropylene oxide dimer acid (HFPO-DA) | µg/kg | NC | < 0.29 | U | | |
| N-deuterioethylperfluoro-1-octanesulfonamidoacetic acid | µg/kg | NC | < 0.17 | U | | |
| N-deuteriomethylperfluoro-1-octanesulfonamidoacetic acid | µg/kg | NC | < 0.11 | U | | |
| Nonafluoro-3,6-dioxaheptanoic acid | µg/kg | NC | < 0.092 | U | | |
| Perfluoro(2-ethoxyethane)sulfonic acid | µg/kg | NC | < 0.098 | U | | |
| Perfluoro-1-butanesulfonamide (FBSA) | µg/kg | NC | < 0.19 | U | | |
| Perfluoro-1-hexanesulfonamide (FHxSA) | µg/kg | NC | < 0.18 | U | | |
| Perfluoro-3-methoxypropanoic acid | µg/kg | NC | < 0.11 | U | | |
| Perfluoro-4-methoxybutanoic acid | µg/kg | NC | < 0.11 | U | | |
| Perfluorobutanesulfonic acid (PFBS) | µg/kg | NC | < 0.091 | U | | |
| Perfluorobutanoic Acid (PFBA) | µg/kg | NC | < 0.079 | U | | |
| Perfluorodecanesulfonic acid (PFDS) | µg/kg | NC | < 0.14 | U | | |
| Perfluorodecanoic acid (PFDA) | µg/kg | NC | < 0.076 | U | | |
| Perfluorododecanoic acid (PFDoA) | µg/kg | NC | < 0.091 | U | | |
| Perfluoroheptanesulfonic acid (PFHpS) | µg/kg | NC | < 0.18 | U | | |
| Perfluoroheptanoic acid (PFHpA) | µg/kg | NC | < 0.086 | U | | |
| Perfluorohexanesulfonic acid (PFHxS) | µg/kg | NC | < 0.095 | U | | |
| Perfluorohexanoic acid (PFHxA) | µg/kg | NC | < 0.11 | U | | |
| Perfluorononanesulfonic Acid (PFNS) | µg/kg | NC | < 0.16 | U | | |
| Perfluorononanoic acid (PFNA) | µg/kg | NC | < 0.098 | U | | |
| Perfluorooctane Sulfonamide (FOSA) | µg/kg | NC | < 0.12 | U | | |
| Perfluorooctanesulfonic acid (PFOS) | µg/kg | NC | 0.08 | 88 J | | |
| Perfluorooctanoic acid (PFOA) | µg/kg | NC | < 0.17 | U | | |
| Perfluoropentanesulfonic Acid (PFPeS) | µg/kg | NC | < 0.087 | U | | |
| Perfluoropentanoic Acid (PFPeA) | µg/kg | NC | < 0.091 | U | | |
| Perfluorotetradecanoic acid (PFTA) | µg/kg | NC | < 0.11 | U | | |
| Perfluorotridecanoic Acid (PFTriA/PFTrDA) | µg/kg | NC | < 0.13 | U | | |
| Perfluoroundecanoic Acid (PFUnA) | µg/kg | NC | < 0.11 | U | | |

Notes:

¹New York State Department of Environmental Conservation, *Sampling, Analysis, and Assessment of Per- and Polyfluoroalkyl Substances (PFAS),* November 2022

Sample Type Code: N - Normal, FD -Field Duplicate

µg/kg - microgram per kilogram = parts per billion (ppb)

NC - No criteria currently exists

U - Compound was not detected at the reporting limit shown

J - An estimated value

Bold - Indicates the compound was detected

Table 5 Waste Management Inc Surface Water, PFAS Results

| | La | nt Sample ID: ab Sample ID: Location ID: Sample Date: le Type Code: | 22H1143-11 WM-SW-01 16 Aug 2022 | | | |
|--|------|---|---------------------------------------|-----------|--|--|
| Analyte | Unit | NYSDEC Guidelines ¹ | Result | Qualifier | | |
| 11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid | ng/L | NC | < 0.56 | U | | |
| 1H,1H, 2H, 2H-Perfluorodecane sulfonic acid | ng/L | NC | < 0.53 | U | | |
| 1H,1H, 2H, 2H-Perfluorohexane sulfonic acid | ng/L | NC | < 0.25 | U | | |
| 1H,1H, 2H, 2H-Perfluorooctane sulfonic acid | ng/L | NC | < 0.32 | U | | |
| 4,8-Dioxa-3H-perfluorononanoic acid (ADONA) | ng/L | NC | < 0.31 | U | | |
| 9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid | ng/L | NC | < 0.34 | U | | |
| Hexafluoropropylene oxide dimer acid (HFPO-DA) | ng/L | NC | < 0.21 | U | | |
| N-deuterioethylperfluoro-1-octanesulfonamidoacetic acid | ng/L | NC | < 0.55 | U | | |
| N-deuteriomethylperfluoro-1-octanesulfonamidoacetic acid | ng/L | NC | < 0.67 | U | | |
| Nonafluoro-3,6-dioxaheptanoic acid | ng/L | NC | < 0.24 | U | | |
| Perfluoro(2-ethoxyethane)sulfonic acid | ng/L | NC | < 0.2 | U | | |
| Perfluoro-1-butanesulfonamide (FBSA) | ng/L | NC | < 0.17 | U | | |
| Perfluoro-1-hexanesulfonamide (FHxSA) | ng/L | NC | < 0.27 | U | | |
| Perfluoro-3-methoxypropanoic acid | ng/L | NC | < 0.36 | U | | |
| Perfluoro-4-methoxybutanoic acid | ng/L | NC | < 0.3 | U | | |
| Perfluorobutanesulfonic acid (PFBS) | ng/L | NC | 1.4 | J | | |
| Perfluorobutanoic Acid (PFBA) | ng/L | NC | 3.2 | | | |
| Perfluorodecanesulfonic acid (PFDS) | ng/L | NC | 0.83 | J | | |
| Perfluorodecanoic acid (PFDA) | ng/L | NC | < 0.43 | U | | |
| Perfluorododecanoic acid (PFDoA) | ng/L | NC | < 0.39 | U | | |
| Perfluoroheptanesulfonic acid (PFHpS) | ng/L | NC | < 0.82 | U | | |
| Perfluoroheptanoic acid (PFHpA) | ng/L | NC | 0.88 | J | | |
| Perfluorohexanesulfonic acid (PFHxS) | ng/L | NC | 0.52 | J | | |
| Perfluorohexanoic acid (PFHxA) | ng/L | NC | 1.1 | J | | |
| Perfluorononanesulfonic Acid (PFNS) | ng/L | NC | < 0.15 | U | | |
| Perfluorononanoic acid (PFNA) | ng/L | NC | 0.62 | J | | |
| Perfluorooctane Sulfonamide (FOSA) | ng/L | NC | < 0.37 | U | | |
| Perfluorooctanesulfonic acid (PFOS) | ng/L | 10 | 8.6 | | | |
| Perfluorooctanoic acid (PFOA) | ng/L | 10 | 4.8 | | | |
| Perfluoropentanesulfonic Acid (PFPeS) | ng/L | NC | < 0.23 | U | | |
| Perfluoropentanoic Acid (PFPeA) | ng/L | NC | 1.5 | J | | |
| Perfluorotetradecanoic acid (PFTA) | ng/L | NC | < 0.32 | U | | |
| Perfluorotridecanoic Acid (PFTriA/PFTrDA) | ng/L | NC | < 0.24 | U | | |
| Perfluoroundecanoic Acid (PFUnA) | ng/L | NC | < 0.32 | U | | |
| Notes: | | | | | | |

¹New York State Department of Environmental Conservation, *Sampling, Analysis, and Assessment of Per- and Polyfluoroalkyl Substances (PFAS),* November 2022

Sample Type Code: N - Normal, FD -Field Duplicate

ng/L - nanogram per liter = parts per trillion (ppt)

NC - No criteria currently exists

U - Compound was not detected at the reporting limit shown

J - An estimated value

Bold - Indicates the compound was detected

Table 6A Waste Managment Inc Groundwater, PFAS Results

| | Cli | ent Sample ID: | WM-OW-0 | 1-20220921 | WM-OW-02-20220927 | | WM-OW-0 | 3-20220927 | WM-OW-0 | 4-20220927 |
|---|------|-------------------------|---------|------------|-------------------|-----------|-----------|------------|---------|------------|
| | | Lab Sample ID: | | 1885-4 | 480-20 | | | 2148-2 | | 02148-5 |
| | | Location ID: | WM-0 | DW-01 | WM-0 | DW-02 | WM-0 | DW-03 | WM- | OW-04 |
| | | Sample Date: | 9/21 | /2022 | 9/27/2022 | | 9/27/2022 | | 9/27 | /2022 |
| | Sam | ole Type Code: | | N | | N | | N | | N |
| | | NYSDEC | | | | | | | | |
| Analyte | Unit | Guidelines ¹ | Result | Qualifier | Result | Qualifier | Result | Qualifier | Result | Qualifier |
| 1H,1H, 2H, 2H-Perfluorodecane sulfonic acid | ng/L | NC | < 1.9 | U | < 1.8 | U | < 1.8 | U | < 10 | U |
| 1H,1H, 2H, 2H-Perfluorooctane sulfonic acid | ng/L | NC | < 4.6 | U | < 4.6 | U | < 4.6 | U | < 25 | U |
| N-ethyl perfluorooctanesulfonamidoacetic acid | ng/L | NC | < 4.6 | U | < 4.6 | U | < 4.6 | U | < 25 | U |
| N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA) | ng/L | NC | < 4.6 | U | < 4.6 | U | < 4.6 | U | < 25 | U |
| Perfluorobutanesulfonic acid (PFBS) | ng/L | NC | 3.8 | | 0.94 | J | 0.63 | 1 | < 10 | U |
| Perfluorobutanoic Acid (PFBA) | ng/L | NC | 7.5 | | 4.6 | | 3.3 | J | 6.7 | 1 |
| Perfluorodecanesulfonic acid (PFDS) | ng/L | NC | < 1.9 | U | < 1.8 | U | < 1.8 | U | < 10 | U |
| Perfluorodecanoic acid (PFDA) | ng/L | NC | 0.96 | l | < 1.8 | U | 0.46 | 1 | < 10 | U |
| Perfluorododecanoic acid (PFDoA) | ng/L | NC | < 1.9 | U | < 1.8 | U | < 1.8 | U | < 10 | U |
| Perfluoroheptanesulfonic acid (PFHpS) | ng/L | NC | 1.2 | l | < 1.8 | U | < 1.8 | U | < 10 | U |
| Perfluoroheptanoic acid (PFHpA) | ng/L | NC | 3 | | 1.5 | J | 0.7 | 1 | < 10 | U |
| Perfluorohexanesulfonic acid (PFHxS) | ng/L | NC | 0.97 | l | 0.89 | J | 0.52 | 1 | < 10 | U |
| Perfluorohexanoic acid (PFHxA) | ng/L | NC | 15 | | 3.7 | | < 1.8 | U | < 10 | U |
| Perfluorononanoic acid (PFNA) | ng/L | NC | 1.3 | l | 6.4 | | 0.59 | 1 | 2.4 | J |
| Perfluorooctane Sulfonamide (FOSA) | ng/L | NC | < 1.9 | U | < 1.8 | U | < 1.8 | U | < 10 | U |
| Perfluorooctanesulfonic acid (PFOS) | ng/L | 10 | 5.8 | | 9.5 | | 8.3 | | 14 | |
| Perfluorooctanoic acid (PFOA) | ng/L | 10 | 5.2 | | 5.6 | | 2.2 | | 4.9 | 1 |
| Perfluoropentanoic Acid (PFPeA) | ng/L | NC | 36 | | 3.5 | | 0.8 | l | 5.2 | l |
| Perfluorotetradecanoic acid (PFTA) | ng/L | NC | < 1.9 | U | < 1.8 | U | < 1.8 | U | < 10 | U |
| Perfluorotridecanoic Acid (PFTriA/PFTrDA) | ng/L | NC | < 1.9 | U | < 1.8 | U | < 1.8 | U | < 10 | U |
| Perfluoroundecanoic Acid (PFUnA) | ng/L | NC | < 1.9 | U | < 1.8 | U | < 1.8 | U | < 10 | U |
| Notes: | | | | | | | | | | |

¹New York State Department of Environmental Conservation, Sampling, Analysis, and Assessment of Per- and Polyfluoroalkyl Substances (PFAS),

November 2022

Sample Type Code: N - Normal, FD -Field Duplicate

ng/L - nanogram per liter = parts per trillion (ppt)

NC - No criteria currently exists

U - Compound was not detected at the reporting limit shown

J - An estimated value

Bold - Indicates the compound was detected

Table 6B Waste Management Inc Groundwater, Volatile Organic Compound (VOC) Results

| Client Sample ID: Lab Sample ID: Location ID: | | | WM-OW-02-20220927 2211719-01 WM-OW-02 | | FIELD DUP-20220927 2211719-04 WM-OW-02 | | WM-OW-03-20220927 2211719-02 WM-OW-03 | | WM-OW-04-20220927 2211719-03 WM-OW-04 | |
|---|---------------------------|-----------|---|-----------|--|-----------|---|-----------|---|----------|
| Sample Date: | | 9/27/2022 | | 9/27/2022 | | 9/27/2022 | | 9/27/2022 | | |
| | Sample Type Code | | N | | FD | | N | | N | |
| Analyte | NYS Class GA ¹ | Unit | Result | Qualifer | Result | Qualifer | Result | Qualifer | Result | Qualifer |
| 1,1,1,2-Tetrachloroethane | 5 | μg/L | < 0.18 | U | < 0.18 | U | < 0.18 | U | < 0.18 | U |
| 1,1,1-Trichloroethane (TCA) | 5 | μg/L | < 0.13 | U | < 0.13 | U | < 0.17 | U | < 0.10 | U |
| 1.1.2.2-Tetrachloroethane | 5 | μg/L | < 0.17 | U | < 0.13 | U | < 0.13 | U | < 0.17 | U |
| 1,1,2,2-Trichloro-1,2,2-Trifluoroethane | 5 | μg/L | < 0.23 | U | < 0.23 | U | < 0.13 | U | < 0.13 | U |
| 1,1,2-Trichloroethane | 1 | μg/L | < 0.18 | U | < 0.18 | U | < 0.18 | U | < 0.18 | U |
| 1,1-Dichloroethane | 5 | μg/L | < 0.14 | U | < 0.14 | U | < 0.14 | U | < 0.14 | U |
| 1,1-Dichloroethene | 5 | μg/L | < 0.14 | U | < 0.14 | U | < 0.14 | U | < 0.14 | U |
| 1,1-Dichloropropene | NC | μg/L | < 0.14 | U | < 0.14 | U | < 0.15 | U | < 0.14 | U |
| 1,2,3-Trichlorobenzene | 5 | μg/L | < 0.3 | U | < 0.3 | U | < 0.3 | U | < 0.3 | U |
| 1,2,3-Trichloropropane | 0.04 | μg/L | < 0.28 | U | < 0.28 | U | < 0.28 | U | < 0.28 | U |
| 1,2,4-Trichlorobenzene | 5 | μg/L | < 0.25 | U | < 0.25 | U | < 0.25 | U | < 0.25 | U |
| 1,2,4-Trimethylbenzene | 5 | μg/L | < 0.2 | U | < 0.2 | U | < 0.2 | U | < 0.2 | U |
| 1.2-Dibromo-3-Chloropropane | 0.04 | μg/L | < 0.8 | U | < 0.8 | U | < 0.8 | U | < 0.2 | U |
| 1,2-Dibromoethane (Ethylene Dibromide) | 0.0006 | μg/L | < 0.17 | U | < 0.17 | U | < 0.17 | U | < 0.17 | U |
| 1.2-Dichlorobenzene | 3 | μg/L | < 0.12 | U | < 0.12 | U | < 0.12 | U | < 0.12 | U |
| 1,2-Dichloroethane | 0.6 | μg/L | < 0.31 | U | < 0.31 | U | < 0.31 | U | < 0.31 | U |
| 1,2-Dichloropropane | 1 | μg/L | < 0.18 | U | < 0.18 | U | < 0.18 | U | < 0.18 | U |
| 1,3,5-Trichlorobenzene | 5 | μg/L | < 0.21 | U | < 0.21 | U | < 0.21 | U | < 0.21 | U |
| 1,3,5-Trimethylbenzene (Mesitylene) | 5 | μg/L | < 0.11 | U | < 0.11 | U | < 0.11 | U | < 0.11 | U |
| 1,3-Dichlorobenzene | 3 | μg/L | < 0.12 | U | < 0.12 | U | < 0.12 | U | 0.67 | J |
| 1,3-Dichloropropane | 5 | μg/L | < 0.13 | U | < 0.13 | U | < 0.13 | U | < 0.13 | U |
| 1,4-Dichlorobenzene | 3 | μg/L | < 0.13 | U | < 0.13 | U | 0.35 | J | 3.6 | |
| 1,4-Dioxane (P-Dioxane) | NC | μg/L | < 21 | U | < 21 | U | < 21 | U | < 21 | U |
| 2,2-Dichloropropane | 5 | μg/L | < 0.33 | U | < 0.33 | U | < 0.33 | U | < 0.33 | U |
| 2-Chlorotoluene | 5 | μg/L | < 0.11 | U | < 0.11 | U | < 0.11 | U | < 0.11 | U |
| 2-Hexanone | 50 | μg/L | < 1.1 | U | < 1.1 | U | < 1.1 | U | < 1.1 | U |
| 2-Methoxy-2-Methylbutane | NC | μg/L | < 0.14 | U | < 0.14 | U | < 0.14 | U | < 0.14 | U |
| 4-Chlorotoluene | 5 | μg/L | < 0.12 | U | < 0.12 | U | < 0.12 | U | < 0.12 | U |
| Acetone | 50 | μg/L | < 2 | U | 2.6 | l | < 2 | U | < 2 | U |
| Acrylonitrile | NC | μg/L | < 0.55 | U | < 0.55 | U | < 0.55 | U | < 0.55 | U |
| Benzene | NC | μg/L | < 0.2 | U | < 0.2 | U | < 0.2 | U | 0.34 | l |
| Bromobenzene | NC | μg/L | < 0.15 | U | < 0.15 | U | < 0.15 | U | < 0.15 | U |
| Bromochloromethane | 5 | μg/L | < 0.31 | U | < 0.31 | U | < 0.31 | U | < 0.31 | U |
| Bromodichloromethane | 50 | μg/L | < 0.18 | U | < 0.18 | U | < 0.18 | U | < 0.18 | U |
| Bromoform | 50 | μg/L | < 0.38 | U | < 0.38 | U | < 0.38 | U | < 0.38 | U |
| Bromomethane | 5 | μg/L | < 1.5 | U | < 1.5 | U | < 1.5 | U | < 1.5 | U |
| Carbon Disulfide | 60 | μg/L | < 1.4 | U | < 1.4 | U | < 1.4 | U | < 1.4 | U |
| Carbon Tetrachloride | 5 | μg/L | < 0.16 | U | < 0.16 | U | < 0.16 | U | < 0.16 | U |
| Chlorobenzene | 5 | μg/L | < 0.11 | U | < 0.11 | U | < 0.11 | U | 1.6 | |
| Chloroethane | 5 | μg/L | < 0.32 | U | < 0.32 | U | < 0.32 | U | < 0.32 | U |
| Chloroform | 7 | μg/L | < 0.17 | U | < 0.17 | U | < 0.17 | U | < 0.17 | U |
| Chloromethane (Methyl Chloride) | 5 | μg/L | < 0.52 | U | < 0.52 | U | < 0.52 | U | < 0.52 | U |
| Cis-1,2-Dichloroethylene | 5 | μg/L | < 0.15 | U | < 0.15 | U | < 0.15 | U | < 0.15 | U |
| Cis-1,3-Dichloropropene | 0.4 | μg/L | < 0.16 | U | < 0.16 | U | < 0.16 | U | < 0.16 | U |
| Cymene (4-Isopropyltoluene) | 5 | μg/L | < 0.097 | U | < 0.097 | U | < 0.097 | U | < 0.097 | U |

Table 6B Waste Management Inc Groundwater, Volatile Organic Compound (VOC) Results

| Client Sample ID: | | | WM-OW-02-20220927 | | FIELD DUP-20220927 | | WM-OW-03-20220927 | | WM-OW-04-20220927 | |
|---|---------------------------|----------|-------------------|----------|--------------------|----------|-------------------|----------|-------------------|----------|
| Lab Sample ID: | | | 22/1719-01 | | 22 1719-04 | | 22 1719-02 | | 22/1719-03 | |
| Location ID: | | | WM-OW-02 | | WM-OW-02 | | WM-OW-03 | | WM-OW-04 | |
| Sample Date: | | | 9/27/2022 | | 9/27/2022 | | 9/27/2022 | | 9/27/2022 | |
| Sample Date. Sample Type Code: | | N | | FD | | N | | N | | |
| | Sample Ty | pe coue. | | • | | U | | | | |
| Analyte | NYS Class GA ¹ | Unit | Result | Qualifer | Result | Qualifer | Result | Qualifer | Result | Qualifer |
| Dibromochloromethane | 50 | μg/L | < 0.22 | U | < 0.22 | U | < 0.22 | U | < 0.22 | U |
| Dibromomethane | 5 | μg/L | < 0.35 | U | < 0.35 | U | < 0.35 | U | < 0.35 | U |
| Dichlorodifluoromethane | 5 | μg/L | < 0.19 | U | < 0.19 | U | < 0.19 | U | < 0.19 | U |
| Diethyl Ether (Ethyl Ether) | NC | μg/L | < 0.18 | U | < 0.18 | U | < 0.18 | U | < 0.18 | U |
| Ethyl Tert-Butyl Ether | NC | μg/L | < 0.15 | U | < 0.15 | U | < 0.15 | U | < 0.15 | U |
| Ethylbenzene | 5 | μg/L | < 0.21 | U | < 0.21 | U | < 0.21 | U | < 0.21 | U |
| Hexachlorobutadiene | 0.5 | μg/L | < 0.46 | U | < 0.46 | U | < 0.46 | U | < 0.46 | U |
| Isopropyl Ether | NC | μg/L | < 0.13 | U | < 0.13 | U | < 0.13 | U | < 0.13 | U |
| Isopropylbenzene (Cumene) | 5 | μg/L | < 0.11 | U | < 0.11 | U | < 0.11 | U | 3.1 | |
| m,p-Xylene | NC | μg/L | < 0.46 | U | < 0.46 | U | < 0.46 | U | 0.48 | J |
| Methyl Acetate | NC | μg/L | < 0.45 | U | < 0.45 | U | < 0.45 | U | < 0.45 | U |
| Methyl Ethyl Ketone (2-Butanone) | 50 | μg/L | < 1.6 | U | < 1.6 | U | < 1.6 | U | < 1.6 | U |
| Methyl Isobutyl Ketone (4-Methyl-2-Pentanone) | NC | μg/L | < 1.3 | U | < 1.3 | U | < 1.3 | U | < 1.3 | U |
| Methylcyclohexane | NC | μg/L | < 0.24 | U | < 0.24 | U | < 0.24 | U | < 0.24 | U |
| Methylene Chloride | 5 | μg/L | < 0.23 | U | < 0.23 | U | < 0.23 | U | < 0.23 | U |
| Naphthalene | 10 | μg/L | < 0.24 | U | < 0.24 | U | < 0.24 | U | < 0.24 | U |
| N-Butylbenzene | 5 | μg/L | < 0.15 | U | < 0.15 | U | < 0.15 | U | < 0.15 | U |
| N-Propylbenzene | 5 | μg/L | < 0.086 | U | < 0.086 | U | < 0.086 | U | 0.23 | J |
| O-Xylene (1,2-Dimethylbenzene) | 5 | μg/L | < 0.23 | U | < 0.23 | U | < 0.23 | U | < 0.23 | U |
| Sec-Butylbenzene | 5 | μg/L | < 0.11 | U | < 0.11 | U | < 0.11 | U | 0.15 | 1 |
| Styrene | 5 | μg/L | < 0.11 | U | < 0.11 | U | < 0.11 | U | < 0.11 | U |
| T-Butylbenzene | 5 | μg/L | < 0.13 | U | < 0.13 | U | < 0.13 | U | < 0.13 | U |
| Tert-Butyl Alcohol | NC | μg/L | < 4.7 | U | < 4.7 | U | < 4.7 | U | < 4.7 | U |
| Tert-Butyl Methyl Ether | 10 | μg/L | < 0.17 | U | < 0.17 | U | < 0.17 | U | < 0.17 | U |
| Tetrachloroethylene (PCE) | 5 | μg/L | 0.31 | 1 | 0.38 | l | < 0.19 | U | < 0.19 | U |
| Tetrahydrofuran | 50 | μg/L | < 0.49 | U | < 0.49 | U | < 0.49 | U | < 0.49 | U |
| Toluene | 5 | μg/L | < 0.22 | U | < 0.22 | U | < 0.22 | U | < 0.22 | U |
| Trans-1,2-Dichloroethene | 5 | μg/L | < 0.17 | U | < 0.17 | U | < 0.17 | U | < 0.17 | U |
| Trans-1,3-Dichloropropene | 0.4 | μg/L | < 0.17 | U | < 0.17 | U | < 0.17 | U | < 0.17 | U |
| Trans-1,4-Dichloro-2-Butene | 5 | μg/L | < 1.6 | U | < 1.6 | U | < 1.6 | U | < 1.6 | U |
| Trichloroethylene (TCE) | 5 | μg/L | 0.32 | J | 0.3 | 1 | < 0.19 | U | < 0.19 | U |
| Trichlorofluoromethane | 5 | μg/L | < 0.18 | U | < 0.18 | U | < 0.18 | U | < 0.18 | U |
| Vinyl Chloride | 2 | μg/L | < 0.21 | U | < 0.21 | U | < 0.21 | U | < 0.21 | U |
| Notes: | • | | | • | | | • | | | |

Notes:

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

Sample Type Code: N - Normal, FD -Field Duplicate

 μ g/L - microgram per liter = parts per billion (ppb)

NC - No criteria currently exists

U - Compound was not detected at the reporting limit shown

J - An estimated value

Bold - Indicates the compound was detected

Table 6C Waste Management Inc Groundwater, Semi-volatile Organic Compound (SVOC) Results

| | WM-OW-02 | 2-20220927 | FIELD DUP | -20220927 | WM-OW-0 | 3-20220927 | WM-OW-04-20220927 | | | |
|--|-----------------------------------|----------------|-----------|-----------|---------|------------|-------------------|----------------|---------|----------------|
| | Client Samp Lab Samp | | | 19-01 | | /19-04 | | /19-02 | | 19-03 |
| | Location ID: | | | | | WM-OW-02 | | 19 02 DW-03 | | 19 05 DW-04 |
| | | DW-02 /2022 | | /2022 | | /2022 | | /2022 | | |
| | Sample Date: Sample Type Code: | | | N 1022 | | 72022 D | N | | N | |
| | oumpie type | | | • | | 5 | | | | |
| Analyte | NYS Class GA ¹ | Unit | | Qualifer | Result | Qualifer | Result | Qualifer | Result | Qualifer |
| 1,2,4,5-Tetrachlorobenzene | 5 | μg/L | | U | < 0.65 | U | < 0.64 | U | < 0.67 | U |
| 1,2,4-Trichlorobenzene | 5 | μg/L | < 0.66 | U | < 0.67 | U | < 0.66 | U | < 0.68 | U |
| 1,2-Dichlorobenzene | 3 | μg/L | | U | < 0.67 | U | < 0.65 | U | 1.6 | J |
| 1,2-Diphenylhydrazine | ND | μg/L | < 0.56 | U | < 0.57 | U | < 0.56 | U | < 0.59 | U |
| 1,3-Dichlorobenzene | 3 | μg/L | < 0.66 | U | < 0.67 | U | < 0.66 | U | < 0.69 | U |
| 1,4-Dichlorobenzene | 3 | μg/L | < 0.65 | U | < 0.67 | U | < 0.65 | U | 1.5 | l |
| 1,4-Dioxane (P-Dioxane) | 0.35* | μg/L | 0.23 | | 0.2 | | 1.4 | | < 0.033 | U |
| 1-Methylnaphthalene | NC | μg/L | < 0.59 | U | < 0.6 | U | < 0.59 | U | < 0.61 | U |
| 2,4,5-Trichlorophenol | NC | μg/L | | U | < 0.51 | U | < 0.5 | U | < 0.52 | U |
| 2,4,6-Trichlorophenol | NC | μg/L | | U | < 0.45 | U | < 0.44 | U | < 0.46 | U |
| 2,4-Dichlorophenol | 1 | μg/L | | U | < 0.43 | U | < 0.44 | U | < 0.49 | U |
| 2,4-Dichlorophenol | 1 | μg/L | | U | < 0.48 | U | < 0.47 | U | < 0.49 | U |
| 2,4-Dinitrophenol | 1 | μg/L | | U | < 8.1 | U | < 7.9 | U | < 8.2 | U |
| | 5 | | | U | < 0.61 | U | < 0.6 | U | < 0.63 | U |
| 2,4-Dinitrotoluene 2.6-Dinitrotoluene | 5 | μg/L | | U | < 0.52 | U U | < 0.6 < 0.51 | U | < 0.53 | U |
| / | - | μg/L | | • | | - | | - | | |
| 2-Chloronaphthalene | 10 | μg/L | | U | < 0.49 | U | < 0.48 | U | < 0.5 | U |
| 2-Chlorophenol | NC | μg/L | | U | < 0.47 | U | < 0.46 | U | < 0.48 | U |
| 2-Methylnaphthalene | NC | μg/L | | U | < 0.69 | U | < 0.68 | U | < 0.71 | U |
| 2-Methylphenol (O-Cresol) | NC | μg/L | | U | < 0.47 | U | < 0.47 | U | < 0.48 | U |
| 2-Nitroaniline | 5 | μg/L | | U | < 0.69 | U | < 0.68 | U | < 0.71 | U |
| 2-Nitrophenol | NC | μg/L | | U | < 0.51 | U | < 0.5 | U | < 0.52 | U |
| 3- And 4- Methylphenol (Total) | NC | μg/L | | U | < 0.46 | U | < 0.45 | U | < 0.47 | U |
| 3,3'-Dichlorobenzidine | 5 | μg/L | | U | < 0.71 | U | < 0.7 | U | < 0.73 | U |
| 3-Nitroaniline | 5 | μg/L | | U | < 0.59 | U | < 0.58 | U | < 0.6 | U |
| 4,6-Dinitro-2-Methylphenol | NC | μg/L | < 6.9 | U | < 7 | U | < 6.9 | U | < 7.2 | U |
| 4-Bromophenyl Phenyl Ether | NC | μg/L | < 0.46 | U | < 0.47 | U | < 0.46 | U | < 0.48 | U |
| 4-Chloro-3-Methylphenol | NC | μg/L | < 0.55 | U | < 0.56 | U | < 0.55 | U | < 0.57 | U |
| 4-Chloroaniline | 5 | μg/L | < 0.56 | U | < 0.58 | U | < 0.56 | U | < 0.59 | U |
| 4-Chlorophenyl Phenyl Ether | NC | μg/L | < 0.47 | U | < 0.48 | U | < 0.47 | U | < 0.49 | U |
| 4-Nitroaniline | 5 | μg/L | < 0.59 | U | < 0.6 | U | < 0.59 | U | < 0.61 | U |
| 4-Nitrophenol | NC | μg/L | < 2.1 | U | < 2.1 | U | < 2.1 | U | < 2.1 | U |
| Acenaphthene | 20 | μg/L | < 0.51 | U | < 0.52 | U | < 0.51 | U | < 0.53 | U |
| Acenaphthylene | NC | | < 0.47 | U | < 0.48 | U | < 0.47 | U | < 0.49 | U |
| Acetophenone | NC | μg/L | | U | < 0.53 | U | < 0.52 | U | < 0.54 | U |
| Aniline | 5 | μg/L | | U | < 0.7 | U | < 0.68 | U | < 0.71 | U |
| Anthracene | 50 | μg/L | | U | < 0.46 | U | < 0.45 | U | 0.69 | |
| Benzidine | 5 | μg/L | | U | < 10 | U | < 10 | U | < 11 | J U |
| Benzo(A)Anthracene | 0.002 | μg/L | | U | < 0.41 | U | < 0.4 | U | < 0.42 | U |
| Benzo(A)Pyrene | 0.002 ND | μg/L | | U | < 0.41 | U | < 0.4 | U | < 0.42 | U |
| Benzo(B)Fluoranthene | 0.002 | μg/L | | U | < 0.37 | U | < 0.36 | U | < 0.38 | U |
| | 0.002 NC | μg/L μg/L | | U U | < 0.47 | U U | < 0.46 | U | < 0.48 | U |
| Benzo(G,H,I)Perylene | - | | | - | | - | | - | | U U |
| Benzo(K)Fluoranthene | 0.002 | μg/L | | U | < 0.49 | U | < 0.48 | U | < 0.5 | ÷ |
| Benzoic Acid | NC | μg/L | | U | < 8.4 | U | < 8.3 | U | < 8.6 | U |
| Benzyl Butyl Phthalate | 50 | μg/L | | U | < 0.67 | U | < 0.66 | U | < 0.69 | U |
| Bis(2-Chloroethoxy) Methane | 5 | μg/L | | U | < 0.46 | U | < 0.45 | U | < 0.47 | U |
| Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether) | 1 | μg/L | < 0.56 | U | < 0.57 | U | < 0.56 | U | < 0.58 | U |

Table 6C Waste Management Inc Groundwater, Semi-volatile Organic Compound (SVOC) Results

| | Client Samp | ole ID: | WM-OW-0 | 2-20220927 | FIELD DUI | P-20220927 | WM-OW-0 | 3-20220927 | WM-OW-0 | 4-20220927 | |
|------------------------------|---------------------------|---------|---------|------------|------------|------------|----------|------------|---------|------------|--|
| | Lab Samp | ole ID: | 22117 | 719-01 | 2211719-04 | | 22117 | 719-02 | 22117 | 19-03 | |
| | Location ID: | | | | | OW-02 | WM-OW-03 | | WM- | WM-OW-04 | |
| | Sample | Date: | 9/27 | /2022 | 9/27 | /2022 | 9/27 | 9/27/2022 | | 9/27/2022 | |
| | Sample Type | Code: | | N | | FD | N | | N | | |
| | | | | | | | | | | | |
| Analyte | NYS Class GA ¹ | Unit | Result | Qualifer | Result | Qualifer | Result | Qualifer | Result | Qualifer | |
| Bis(2-Chloroisopropyl) Ether | 5 | μg/L | < 0.67 | U | < 0.69 | U | < 0.67 | U | < 0.7 | U | |
| Bis(2-Ethylhexyl) Phthalate | 5 | μg/L | < 0.82 | U | < 0.84 | U | < 0.82 | U | < 0.86 | U | |
| Carbazole | NC | μg/L | < 0.42 | U | < 0.43 | U | < 0.42 | U | < 0.43 | U | |
| Chrysene | 0.002 | μg/L | < 0.39 | U | < 0.4 | U | < 0.39 | U | < 0.4 | U | |
| Dibenz(A,H)Anthracene | NC | μg/L | < 0.68 | U | < 0.69 | U | < 0.68 | U | < 0.7 | U | |
| Dibenzofuran | NC | μg/L | < 0.48 | U | < 0.49 | U | < 0.48 | U | < 0.5 | U | |
| Diethyl Phthalate | 50 | μg/L | < 0.41 | U | < 0.42 | U | < 0.41 | U | < 0.43 | U | |
| Dimethyl Phthalate | 50 | μg/L | < 0.37 | U | < 0.38 | U | < 0.37 | U | < 0.38 | U | |
| Di-N-Butyl Phthalate | 50 | μg/L | < 0.45 | U | < 0.46 | U | < 0.45 | U | < 0.47 | U | |
| Di-N-Octylphthalate | 50 | μg/L | < 3.9 | U | < 3.9 | U | < 3.9 | U | < 4 | U | |
| Fluoranthene | 50 | μg/L | < 0.42 | U | < 0.43 | U | < 0.42 | U | < 0.44 | U | |
| Fluorene | 50 | μg/L | < 0.51 | U | < 0.52 | U | < 0.51 | U | 1.5 | l | |
| Hexachlorobenzene | 0.04 | μg/L | < 0.5 | U | < 0.51 | U | < 0.5 | U | < 0.52 | U | |
| Hexachlorobutadiene | 0.5 | μg/L | < 0.76 | U | < 0.77 | U | < 0.76 | U | < 0.79 | U | |
| Hexachlorocyclopentadiene | 5 | μg/L | < 3.6 | U | < 3.7 | U | < 3.6 | U | < 3.8 | U | |
| Hexachloroethane | 5 | μg/L | < 0.73 | U | < 0.74 | U | < 0.73 | U | < 0.75 | U | |
| Indeno(1,2,3-C,D)Pyrene | 0.002 | μg/L | < 0.73 | U | < 0.74 | U | < 0.73 | U | < 0.76 | U | |
| Isophorone | 50 | μg/L | < 0.54 | U | < 0.55 | U | < 0.54 | U | < 0.56 | U | |
| Naphthalene | 10 | | < 0.6 | U | < 0.61 | U | < 0.6 | U | < 0.63 | U | |
| Nitrobenzene | 0.4 | μg/L | < 0.61 | U | < 0.63 | U | < 0.61 | U | < 0.64 | U | |
| N-Nitrosodimethylamine | NC | μg/L | < 0.77 | U | < 0.78 | U | < 0.77 | U | < 0.8 | U | |
| N-Nitrosodi-N-Propylamine | NC | | < 0.6 | U | < 0.61 | U | < 0.6 | U | < 0.63 | U | |
| N-Nitrosodiphenylamine | 50 | | < 0.37 | U | < 0.38 | U | < 0.37 | U | < 0.39 | U | |
| Pentachloronitrobenzene | ND | | < 0.61 | U | < 0.62 | U | < 0.61 | U | < 0.64 | U | |
| Pentachlorophenol | 1 | | < 3.4 | U | < 3.5 | U | < 3.4 | U | < 3.6 | U | |
| Phenanthrene | 50 | | < 0.47 | U | < 0.48 | U | < 0.47 | U | < 0.49 | U | |
| Phenol | 1 | | < 0.22 | U | < 0.23 | U | < 0.22 | U | < 0.23 | U | |
| Pyrene | 50 | | < 0.6 | U | < 0.61 | U | < 0.6 | U | < 0.62 | U | |
| Pyridine | 50 | | < 2.4 | U | < 2.5 | U | < 2.4 | U | < 2.5 | U | |

Notes:

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

*New York State Drinking Water Maximum Contaminant Level

Sample Type Code: N - Normal, FD -Field Duplicate

µg/L - microgram per liter = parts per billion (ppb)

NC - No criteria currently exists

U - Compound was not detected at the reporting limit shown

J - An estimated value

Bold - Indicates the compound was detected

Highlighted - Indicates the compound was detected above applicable NYSDEC Standards, Criteria, & Guidance Values

Table 6D Waste Management Inc Groundwater, Polychlorinated Biphenyl (PCB) Results

| | Client Samp | le ID: | WM-OW-0 |)2-20220927 | FIELD DU | P-20220927 | WM-OW-0 | 3-20220927 | WM-OW-C | 4-20220927 | |
|-------------------------|---------------------------|--------|------------|-------------|----------|------------|---------|------------|---------|------------|--|
| | Lab Samp | le ID: | 22 1719-01 | | 2211 | 2211719-04 | | 22 1719-02 | | 2211719-03 | |
| | Location ID: | | | OW-02 | WM- | OW-02 | WM-0 | WM-OW-03 | | WM-OW-04 | |
| | Sample Date: | | 9/27/2022 | | 9/27 | 9/27/2022 | | 9/27/2022 | | 9/27/2022 | |
| | Sample Type | Code: | | Ν | | FD | | N | | N | |
| | | | | | | | | | | | |
| Analyte | NYS Class GA ¹ | Unit | Result | Qualifer | Result | Qualifer | Result | Qualifer | Result | Qualifer | |
| PCB-1260 (Aroclor 1260) | NC | μg/L | < 0.063 | U | < 0.061 | U | < 0.062 | U | < 0.061 | U | |
| PCB-1254 (Aroclor 1254) | NC | μg/L | < 0.079 | U | < 0.076 | U | < 0.078 | U | < 0.076 | U | |
| PCB-1268 (Aroclor 1268) | NC | μg/L | < 0.078 | U | < 0.076 | U | < 0.077 | U | < 0.076 | U | |
| PCB-1221 (Aroclor 1221) | NC | μg/L | < 0.08 | U | < 0.077 | U | < 0.079 | U | < 0.077 | U | |
| PCB-1232 (Aroclor 1232) | NC | μg/L | < 0.073 | U | < 0.071 | U | < 0.073 | U | < 0.071 | U | |
| PCB-1248 (Aroclor 1248) | NC | μg/L | < 0.089 | U | < 0.087 | U | < 0.088 | U | < 0.087 | U | |
| PCB-1016 (Aroclor 1016) | NC | μg/L | < 0.053 | U | < 0.052 | U | < 0.053 | U | < 0.052 | U | |
| PCB-1262 (Aroclor 1262) | NC | μg/L | < 0.064 | U | < 0.062 | U | < 0.064 | U | < 0.062 | U | |
| PCB-1242 (Aroclor 1242) | NC | μg/L | < 0.077 | U | < 0.075 | U | < 0.076 | U | < 0.075 | U | |
| Total PCBs | 0.09 | μg/L | - | | - | | - | | - | | |

Notes:

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

Sample Type Code: N - Normal, FD -Field Duplicate

µg/L - microgram per liter = parts per billion (ppb)

NC - No criteria currently exists

U - Compound was not detected at the reporting limit shown

J - An estimated value

Bold - Indicates the compound was detected

Highlighted - Indicates the compound was detected above applicable NYSDEC Standards, Criteria, & Guidance Values

Table 6E Waste Management, Inc Groundwater, Nitrate Nitrite Results

| | Client San | nple ID: | WM-OW- | 01-20220927 | WM-OW-(|)2-20220927 | WM-OW-0 | 3-20220927 | WM-OW-(|)4-20220927 |
|-------------------------------------|---------------------------|----------|-------------|----------------|---------------|-----------------|------------|--------------|------------|-------------|
| | Lab San | nple ID: | 2211283-04 | | 2211 | 719-01 | 2211719-02 | | 2211719-03 | |
| | Location ID: | | | | WM- | WM-OW-02 | | WM-OW-03 | | OW-04 |
| Sample Date: | | | 9/2 | 1/2022 | 9/2 | 7/2022 | 9/27 | /2022 | 9/27/2022 | |
| Sample Type Code: | | | | Ν | | Ν | | Ν | | Ν |
| Analyte | NYS Class GA ¹ | Unit | Result | Qualifer | Result | Qualifer | Result | Qualifer | Result | Qualifer |
| Nitrate (as N) | 10 | mg/L | 0.1 | 7 | 0.28 | 3 | 0.082 | J | 0.062 | 2 J |
| Nitrite (as N) | 1 | mg/L | <0.100 | U | < 0.100 | U | <0.100 | U | <0.100 | U |
| Notes: | | | | | | | | | | |
| ¹ New York State Departr | nont of Environmontal | Concor | vation Tach | nical and Onor | ational Guida | neo Corioc /1 1 | | tandards and | | |

Guidance Values, Revised June 1998.

Sample Type Code: N - Normal, FD -Field Duplicate

mg/L - milligram per liter = parts per million (ppm)

U - Compound was not detected at the reporting limit shown

J - An estimated value

Bold - Indicates the compound was detected

Highlighted - Indicates the compound was detected above applicable NYSDEC Standards, Criteria, & Guidance Values

Table 6F Waste Management, Inc Groundwater, Artificial Sweetener Results

| | Client Sam | ole ID: | WM-OW-0 | 1-20220927 | WM-OW-02-20220927 | | WM-OW-03-20220927 | | WM-OW-04-20220927 | | |
|-------------------|----------------|---------|---------|------------|-------------------|----------|-------------------|-----------|-------------------|-----------|--|
| | Lab Sample ID: | | | 83-04 | 22 17 | 19-01 | 2211719-02 | | 2211719-03 | | |
| | Location ID: | | | DW-01 | WM-OW-02 WM-OW-03 | | WM-C |)W-04 | | | |
| Sample Date: | | | 9/21, | /2022 | 9/27/ | /2022 | 9/27 | 9/27/2022 | | 9/27/2022 | |
| Sample Type Code: | | I | N | 1 | N | | N N | | N | | |
| | Screening | | | | | | | | | | |
| Analyte | Criteria | Unit | Result | Qualifer | Result | Qualifer | Result | Qualifer | Result | Qualifer | |
| Acesulfame K | NC | µg/L | 0.98 | H *- | 0.13 | Н*- | 0.054 | H *- | 0.6 | H *- | |
| Sucralose | NC | µg/L | 2 | н | 0.77 | Н | <0.025 | ΗU | 1.2 | Н | |
| Notes: | | | | | | | | | | | |

Sample Type Code: N - Normal, FD -Field Duplicate

NC - No criteria currently exists

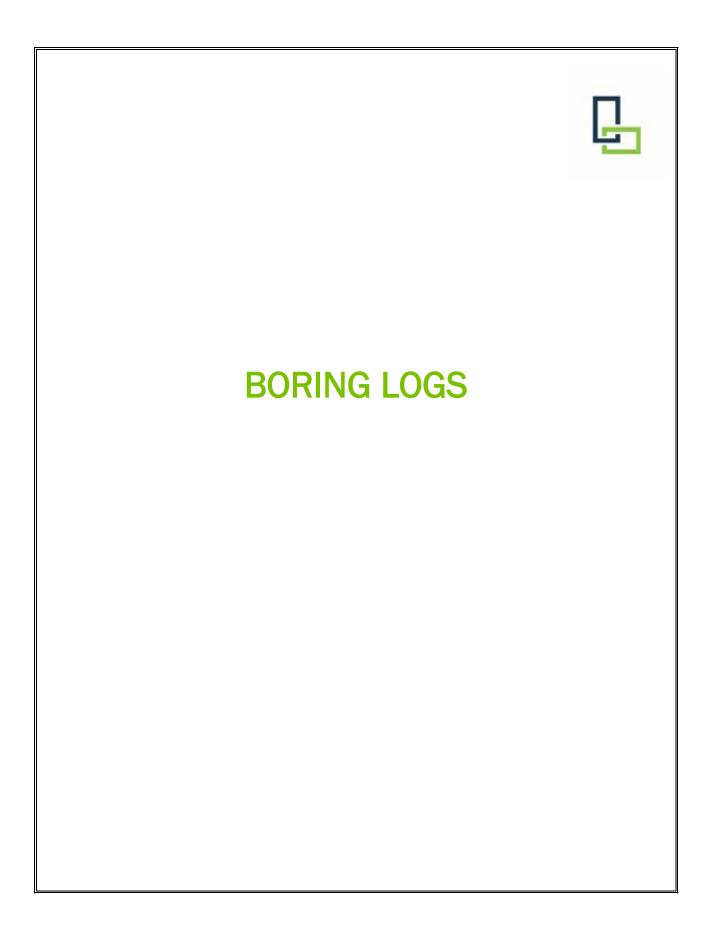
 μ g/L - microgram per liter = parts per billion

U - Compound was not detected at the reporting limit shown

H - Sample was prepped or analyzed beyond the specific holding time

*- -Lab Control Sample (LCS) and/or LCS Duplicate is outside acceptance limits, low biased

Bold - Indicates the compound was detected



| MONITORING WELL / BORING NO. WM-SB-01 | |
|---|--|
| Site Name: | ugust 15, 2022 |
| Location: Waste Management Drilling Co.: C | lean Globe Environmental Powered by partnership. |
| Client: NYSDEC Driller: Mario Pine | da Soil Samples Collected: |
| Phone No.: Logged by: | Rollend No Samples Collected |
| Drilling Method: Geoprobe 7822 DT (Dia): 2" Sampling Meth | Od: <u>Macro Core (</u> Dia): <u>2"</u> |
| Drilled TD: <u>2.0'</u> (Dia): <u>2"</u> Sampled TD: <u>5</u> | ee samples collected (Dia): N/A |
| Well TD: No Well Installed (Dia): N/A Well Type: N/A | |
| Screen Interval:Slot Size:Dia | neter: |
| Cased Interval:Type:Dia | neter: |
| Sand Pack Interval:Type:Wel | lhead Prot: |
| Bentonite Seal Interval:Type:Gro | uted Interval: |

| Depth (Feet) | Monitoring Well Construction | Recovery; | PID (ppm): | Description / Soil Classification | |
|-----------------|---------------------------------|---|----------------------|--|------|
| Depth (Feet) | Monitoring Well Construction | Recovery; S-1: 0' - 2.0' Rec: 2.0'/2.0' | PID (ppm): 1.3 | 0' - 2.0' Light gray, dry, coarse to fine SAND and SILT, some asphalt fragments Becomes heavily weathered shale fragments at 2.0 fbg EOB (refusal) Groundwater was not encountered No monitoring well installed | 2.0' |
| 35 Monitorir | g Well Completion / Boring Lo | og drafted by LaBella | Associate | page <u>1</u> of <u>1</u> | 1 |

| [| MONITORING WELL / BORING NO. WM-SB-01A | |
|---|---|-------------------------|
| | | 🖵 LaBella |
| | Site Name: NYSDEC - Algonquin Middle School Date Drilled: August 15, 2022 | |
| | Location: Waste Management Drilling Co.: Clean Globe Environmental | |
| | Client: NYSDEC Driller: Mario Pineda | Soil Samples Collected: |
| | Phone No.: N/A Logged by: T. Rollend | No Samples Collected |
| | Drilling Method: Geoprobe 7822 DT (Dia): 2" Sampling Method: Macro Core (Dia): 2" | |
| | Drilled TD: <u>5.0'</u> (Dia): <u>2"</u> Sampled TD: see samples collected (Dia): N/A | |
| | Well TD: | |
| | Screen Interval:Slot Size:Diameter: | |
| | Cased Interval:Type: Diameter: | |
| | Sand Pack Interval:Type:Wellhead Prot: | |
| | Bentonite Seal Interval:Type:Grouted Interval: | |

| 0 1 0 <th>Depth (Feet)</th> <th>Monitoring Well Construction</th> <th>Recovery;</th> <th>PID (ppm):</th> <th>Description / Soil Classification</th> | Depth (Feet) | Monitoring We ll Construction | Recovery; | PID (ppm): | Description / Soil Classification |
|--|-----------------|---|----------------------|---------------|--|
| | | | | < 1.0 | 2.0' - 5.0' Becomes heavily weathered shale fragments at 2.0 fbg to EOB (refusal) at 5.0 fbg |
| Monitoring Well Completion / Boring Log drafted by LaBella Associates, D.P.C. PAGE <u>1</u> of <u>1</u> | | g Well Completion / Boring Lc | g drafted by LaBella | Associate | 5.0' |

| Site Name: NYSDEC - Algonquin | Middle School Date D | Orilled: August 15, 2022 | L LaBella |
|--|----------------------------------|--|---|
| | Drilling | J Co.: Clean Globe Environmental | Powered by partnership. |
| Client: NYSDEC | Driller: | Mario Pineda | - Soil Samples Collected: |
| Phone No.: N/A | Logge | d by: ^{T. Rollend} | No Sample Collected |
| Drilling Method: Geoprobe 7822 | DT(Dia):2" San | npling Method: <u>Macro Core</u> (Dia):_2" | _ |
| Drilled TD: ^{4.0′} | (Dia): <u>2"</u> San | npled TD: | <u>`</u> |
| Well TD: No Well Installed | (Dia): Wel | I Туре: | _ |
| Screen Interval:S | ot Size: | Diameter: | _ |
| Cased Interval:T | /pe: | Diameter: | - |
| Sand Pack Interval: | Туре: | Wellhead Prot: | - |
| Bentonite Seal Interval: | Туре: | Grouted Interval: | - |
| Depth Monitoring Well Feet) Construction | | PID opm): Descri | ption / Soil Classification |
| $ \begin{array}{c} 0 \\ 1 \\ 5 \\ 1 \\ 1 \\ 1 \\ 1 \\ 2 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1$ | S-1: 0' - 4.0' Rec: 4.0'/4.0' | 0' - 2.0' Light gray, dry, coarse t Becomes heavily weath 4.0 fbg Groundwater was not e No monitoring well insta | ered shale fragments at 2.0 fbg to EOB (refusal) at |

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| MONITORING WELL / BORING NO. WM-SB-02 | — — — — |
|---|--------------------------|
| Site Name: NYSDEC - Algonquin Middle School Date Drilled: August 15, 2022 | _ LaBella |
| Location: Waste Management Drilling Co.: Clean Globe Environmental | Powered by partnership. |
| Client: NYSDEC Driller: Mario Pineda | Soil Samples Collected: |
| Phone No.: N/A Logged by: T. Rollend | No soil sample collected |
| Drilling Method: Geoprobe 7822 DT (Dia): 2" Sampling Method: Macro Core (Dia): 2 | <u> </u> |
| Drilled TD: <u>5.0'</u> (Dia): <u>2"</u> Sampled TD: <u>N/A</u> (Dia): <u>N/A</u> | <u>A</u> |
| Well TD:No Well Installed(Dia): Well Type: | _ |
| Screen Interval:Slot Size:Diameter: | _ |
| Cased Interval:Type:Diameter: | _ |
| Sand Pack Interval:Type:Wellhead Prot: | _ |
| Bentonite Seal Interval:Type:Grouted Interval: | _ |

| Depth (Feet) | Monitoring Well Construction | Recovery; | PID (ppm): | Description / Soil Classification | |
|--|---------------------------------|----------------------------------|---------------|--|----------|
| 0 1 1 5 1 10 15 10 1 10 1 10 1 1 1 1 1 1 1 1 1 1 1 1 1 | | S-1: 0' - 5.0' Rec: 3.0'/5.0' | N/A | 0' - 5.0' Light gray, dry, weathered shale some coarse to fine sand Weathered shale bedrock in sampler shoe at 5.0 fbg EOB (refusal) Groundwater was not encountered No monitoring well installed | 5.0' |
| Monitorin | g Well Completion / Boring Lo | og drafted by LaBella | Associate | es, D.P.C. PAGE of | <u> </u> |

| MONITORING WELL / BORING NO. WM-SB-02A | |
|---|--------------------------|
| Site Name: | LaBella |
| Location: Waste Management Drilling Co.: Clean Globe Environmental | Powered by partnership. |
| Client: NYSDEC Driller: Mario Pineda | Soil Samples Collected: |
| Phone No.: N/A Logged by: T. Rollend | No soil sample collected |
| Drilling Method: Geoprobe 7822 DT (Dia): 2" Sampling Method: Macro Core (Dia): 2" | |
| Drilled TD: <u>5.0'</u> (Dia): <u>2"</u> Sampled TD: <u>N/A</u> (Dia): <u>N/A</u> | |
| Well TD: No Well Installed (Dia): Well Type: | |
| Screen Interval:Slot Size:Diameter: | |
| Cased Interval:Type:Diameter: | |
| Sand Pack Interval:Type:Wellhead Prot: | |
| Bentonite Seal Interval:Type:Grouted Interval: | |

| Depth (Feet) | Monitoring Well Construction | Recovery; | PID (ppm): | : Description / Soil Classification | |
|---|---------------------------------|----------------------------------|------------------|--|------|
| 0 1 1 5 1 10 1 10 1 1 10 1 1 1 1 1 1 1 1 1 1 1 1 1 | ng Well Completion / Boring Lo | S-1: 0' - 5.0' Rec: 3.5'/5.0' | N/A Associate | 0' - 5.0' Light gray, dry, weathered shale some coarse to fine sand Weathered shale bedrock in sampler shoe at 5.0 fbg EOB (refusal) Groundwater was not encountered No monitoring well installed | 5.0' |

| MONITORING WELL / BORING NO. WM-SB-02B | |
|--|--------------------------|
| Site Name: NYSDEC - Algonquin Middle School Date Drilled: August 15, 2022 | _ 🛛 🖵 LaBella 🚽 |
| Location: Waste Management Drilling Co.: Clean Globe Environmental | Powered by partnership. |
| Client: NYSDEC Driller: Mario Pineda | Soil Samples Collected: |
| Phone No.: N/A Logged by: T. Rollend | No soil sample collected |
| Drilling Method: Geoprobe 7822 DT (Dia): 2" Sampling Method: Macro Core (Dia): 2 | |
| Drilled TD: 4.0' (Dia): 2" Sampled TD: N/A (Dia): N/A | <u>A</u> |
| Well TD: No Well Installed (Dia): Well Type: | _ |
| Screen Interval:Slot Size:Diameter: | _ |
| Cased Interval:Type:Diameter: | _ |
| Sand Pack Interval:Type:Wellhead Prot: | _ |
| Bentonite Seal Interval:Type:Grouted Interval: | _ |

| Depth (Feet) | Monitoring Well Construction | Recovery; | PID (ppm): | Description / Soil Classification | |
|-----------------|---------------------------------|----------------------------------|---------------|--|------|
| ° [1] | | S-1: 0' - 4.0' Rec: 3.5'/4.0' | < 1.0 | 0' - 4.0' Light gray, dry, weathered shale some coarse to fine sand Weathered shale bedrock in sampler shoe at 4.0 fbg EOB (refusal) Groundwater was not encountered No monitoring well installed | |
| | | | | | 4.0' |
| | | | | | |
| | | | | | |
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| | | | | | |
| 35 J | g Well Completion / Boring L | drafted by LaBoll | Associator | es, D.P.C. PAGE <u>1</u> of | 1 |

| MONITORING WELL / BO | RING NO. WM | -SB-0 | 3 | |
|--|---------------------------------|---------------|---|---|
| Site Name: NYSDEC - Algonqu | | | | 🛄 LaBella |
| Location: Waste Management | Dril | ling Co.: | Clean Globe Environmental | Powered by partnership. |
| Client: NYSDEC | Dril | ler:^ | ario Pineda | Soil Samples Collected: |
| Phone No.: N/A | Log | iged by:_ | T. Rollend | WM-SB-03 2-12" |
| Drilling Method: Geoprobe 782 | 2 DT (Dia):2"S | Sampling | Method: Macro Core (Dia): 2" | WM-SB-03 72" |
| - | | | TD: see samples collected (Dia): N/A | |
| | | | e: | |
| | | | _Diameter: | |
| Cased Interval: | Туре: | | _Diameter: | |
| Sand Pack Interval: | Type: | | _Wellhead Prot: | |
| | | | _Grouted Interval: | |
| | - - | | | |
| Depth Monitoring Well (Feet) Construction | Recovery; | PID (ppm): | Descriptio | on / Soil Classification |
| ⁰ – | | | | |
| | S-1: 0' - 5.0' | -10 | fragments (fill material) to 4 | e SAND and SILT, some fine Gravel and concrete fbg. |
| | Rec: 2.5'/5.0' | < 1.0 | | |
| 5 | | | | |
| | | | | SAND and SILT, some Clay and |
| | S-2: 5'- 10' Rec: 3.0'/5.0' | < 1.0 | organics (tree roots) to 6.5 f | bg |
| 10 — | | | 6.5' - 12' Gray, dry, weathered shale | fragments to EOB (refusal) at 12 fbg |
| | S-3: 10' -12' Rec: 2.0'/2.0' | < 1.0 | Groundwater was not encou No monitoring well installed | |
| | | | - | 12' |
| | | | | |
| 15 - | | | | |
| | | | | |
| | | | | |
| 20 | | | | |
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| | | | | |
| 25 — - | | | | |
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| 30 | | | | |
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| - | | | | |
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| Monitoring Well Completion / Boring | Log drafted by LaBella | Associate: | s, D.P.C. | PAGE of |

| MONITORING WELL / BORING NO. WM-SB-04 | |
|---|--|
| Site Name: NYSDEC - Algonquin Middle School Date Drilled: August 15, 2022 | LaBella |
| Location: Waste Management Drilling Co.: Clean Globe Environmental | Powered by partnership. |
| Client: NYSDEC Driller: Mario Pineda | Soil Samples Collected: |
| Phone No.: N/A Logged by: T. Rollend | WM-SB-04 0-2" WM-SB-04 2-12" WM-SB-04 168-180" |
| Drilling Method: Geoprobe 7822 DT (Dia): 2" Sampling Method: Macro Core (Dia): 2" | |
| Drilled TD: 15' (Dia): 2" Sampled TD: see samples collected (Dia): N/A | |
| Well TD: No Well Installed (Dia): Well Type: | |
| Screen Interval:Slot Size:Diameter: | |
| Cased Interval:Type:Diameter: | |
| Sand Pack Interval:Type:Wellhead Prot: | |
| Bentonite Seal Interval:Type:Grouted Interval: | |

| Depth (Feet) | Monitoring We ll Construction | Recovery; | PID (ppm): | Description / Soil Classification | |
|-----------------|---|----------------------------------|---------------|--|--|
| | | S-1: 0' - 5.0' Rec: 4.0'/5.0' | 2.8 | 0" - 1.0' Light gray, dry, organics and urban fill material | |
| | | S-2: 5'- 10' Rec: 4.0'/5.0' | < 1.0 | Trace Clay at 7 fbg | |
| | | S-3: 10' - 15' Rec: 2.0'/5.0' | < 1.0 | Dark gray/black seam SAND approximately 4-inches wide at 12 fbg. EOB (refusal) at 15 fbg Groundwater was not encountered No monitoring well installed | |
| | | | | 15' | |
| | | | | | |
| | | | | | |
| | | | | | |
| | 35 | | | | |

| MONITORING WELL / BORI | NG NO. WM- | OW- | <u>01 / WM-SB-0</u> 5 | — • • • • |
|---|-------------------------------------|-----------------|--|---|
| Site Name: | 📙 LaBella | | | |
| Location: Waste Management | Drillir | ig Co.: | Clean Globe Environmental | Powered by partnership. |
| Client: NYSDEC | Drille | r: ^M | ario Pineda | Soil Samples Collected: |
| Phone No.: N/A | Logg | ed by:_ | T. Rollend | WM-SB-05 0-2" WM-SB-05 84-120" |
| Drilling Method:Geoprobe 7822 D | ^{)T} _(Dia): <u>2</u> " Sa | mpling | Method: Macro Core (Dia): 2" | |
| Drilled TD: | (Dia): <u>2"</u> Sa | mpled | TD: see samples collected (Dia): N/A | |
| Well TD: | (Dia): <u>N/A</u> We | ell Type | e: PVC | |
| Screen Interval: <u>^{10' - 5'}</u> Sl | ot Size: ^{0.0} | 10" | _Diameter: ^{2"} | |
| Cased Interval: <u>5'- grade</u> Ty | pe:PVC | | _Diameter: ^{2"} | |
| Sand Pack Interval: 10'- | ^{3.5'} Type: | #2 | _Wellhead Prot: Flushmount | |
| Bentonite Seal Interval: <u>3.</u> | ^{5' - 2.5'} _Type: | Chips | _Grouted Interval: | |
| Depth Monitoring Well (Feet) Construction | Recovery; | PID (ppm): | Descriptio | on / Soil Classification |
| 0 2" cap 8" road box | | | | |
| 5 | S-1: 0' - 5.0' Rec: 2.0'/5.0' | < 1.0 | 0' - 7.0' Gray - brown, dry to moist, and SILT (fill material) | fine angular GRAVEL and coarse to fine SAND |
| 2" PVC Riser 4 4 4 4 4 4 4 4 4 4 4 4 4 | S-2: 5.0' - 10' Rec: 3.0'/5.0' | < 1.0 | 7.0' - 12' Light gray, moist, fine SAN fragments to EOB (refusal) | D, some Clay underlain by weathered gray shale at 12 fbg |
| 10 Slot PVC Screen | S-3: 10' - 12' Rec: 2.0'/2.0' | < 1.0 | | 12' |
| 15 15 20 1 25 1 30 1 1 30 1 1 1 1 1 1 1 1 1 1 1 1 1 | | | | |
| Monitoring Well Completion / Boring Lo | g drafted by LaBella A | ssociates | s, D.P.C. | PAGE of |

| MONITORING WELL / BORIN | IG NO. WM | -0W- | <u>04 / WM-SB-0</u> 6 | |
|--|---|------------------|---|---|
| Site Name: | | | | 🖵 LaBella |
| Location: Waste Management | cation: <u>Clean Globe Environmental</u> Drilling Co.: <u>Clean Globe Environmental</u> | | | Powered by partnership. |
| Client: NYSDEC | Drill | er: ^M | ario Pineda | Soil Samples Collected: |
| Phone No.: | Log | ged by: | T. Rollend | WM-SB-06 0-2" WM-SB-06 2-12" WM-SB-06 2-12" MS/MSD and DUPE Parent |
| Drilling Method: Geoprobe 7822 DT | (Dia): <u>2"</u> S | ampling | J Method: Macro Core (Dia): 2" | WM-SB-06 36-48" |
| Drilled TD: ^{13'} | (Dia): <u>2"</u> S | ampled | TD: see samples collected (Dia): N/A | |
| Well TD: ^{13'} | (Dia): <u>2"</u> V | Vell Type | e: PVC | |
| Screen Interval: <u>13'-3.0'</u> Slot | t Size: ⁰ | .010" | _Diameter: ^{2"} | |
| Cased Interval: <u>3.0'-+2.0'</u> Typ | 0e:PV | с | _Diameter: ^{2"} | |
| Sand Pack Interval: 13' - 2. | Type: | #2 | Wellhead Prot: <u>Stand pipe</u> | |
| Bentonite Seal Interval: 2.0'-1 | ^{1.0′} Type: | Chips | _Grouted Interval:N/A | |
| Depth Monitoring Well (Feet) Construction | Recovery; | PID (ppm): | Descriptio | on / Soil Classification |
| 0 | | | | |
| Native Soil & Well Sand | | | 0' - 2.0' Dark brown, moist, organic and SILT (topsoil) | s (grass and tree roots), coarse to fine SAND |
| Bentonite | S-1: 0' - 5.0' Rec: 3.5'/5.0' | 72 | | coarse to fine SAND, some angular Gravel fragments |
| 2" PVC Riser | | 692 | ▲ becomes fine Sand, some 4.0' - 8.0' Brown, wet-dry-wet, coarse | Clay to 4 fbg (fill material) e to fine SAND and SILT, some rounded fine Gravel |
| | | | staining and strong odor of | weathered petroleum, no sheen |
| #2 Well Sand | S-2: 5.0' - 10' Rec: 5.0'/5.0' | 48 | | |
| | 1100.01070.0 | | | LT and CLAY underlain by coarse to fine Sand EOB (refusal) at 13 fbg, odor and staining continue |
| 10 — — — — — — — — — — — — — — — — — — — | S-3: 10'-13' | | | |
| PVC Screen | Rec: 3.0'/3.0' | not recorded | | |
| | | | | 13' |
| 15 | | | | |
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| 20 | | | | |
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| Monitoring Well Completion / Boring Log | drafted by LaBella | Associate | s, D.P.C. | PAGE of |

| MONITORING WELL / BORI | NG NO. WM | -0W- | -03 / WM-SB-07 | | | | |
|--|--------------------------------------|---------------|---|--|--|--|--|
| Site Name: | | | | | | | |
| Location: waste Manaegement | Drilli | ng Co.: | Clean Globe Environmental Powered by partnership. | | | | |
| Client: NYSDEC | Client: NYSDEC Driller: Mario Pineda | | | | | | |
| Phone No.: | Log | ged by:_ | T. Rollend WM-SB-07 0-2" WM-SB-07 2-12" WM-SB-07 84- 96" | | | | |
| Drilling Method: Geoprobe 7822 E | DT_(Dia):2"S | ampling | g Method: Macro Core (Dia): 2" | | | | |
| Drilled TD: ^{15'} | (Dia): <u>2"</u> S: | ampled | TD: see samples collected (Dia): N/A | | | | |
| Well TD: <u>14'</u> (Dia): <u>2"</u> Well Type: <u>PVC</u> | | | | | | | |
| Screen Interval: <u>14'-4.0'</u> SI | ot Size: ^{0.} | 010" | Diameter: ^{2"} | | | | |
| Cased Interval: <u>4.0' - +2.0'</u> Ty | уре:РУС | ; | Diameter: ^{2"} | | | | |
| Sand Pack Interval: 14'- | ^{2.0'} Type: | #2 | Wellhead Prot: <u>Stand pipe</u> | | | | |
| Bentonite Seal Interval: 2.0' | <u>- 1.0'</u> Type: | Chips | Grouted Interval: ^{N/A} | | | | |
| Depth Monitoring Well (Feet) Construction | Recovery; | PID (ppm): | Description / Soil Classification | | | | |
| 0 - Steel Standpipe 2"cap | | | | | | | |
| Native Soil & Well Sand | | 4.3 | 0' - 4.0' Gray, dry, coarse to fine SAND and SILT with organics and some rounded Gravel (topsoil and fill material) | | | | |
| Bentonite | S-1: 0' - 5.0' Rec: 3.5'/5.0' | 1.8 | 4.0' - 8.0' Brown, dry to wet, shale fragments increasing in size with depth | | | | |
| 5 - 2" <u>PVC Rise</u> r | | | becomes fine Sand, some Clay (fill material) | | | | |
| | | | | | | | |
| #2 Well Sand | S-2: 5.0' - 10' Rec: 3.0'/5.0' | < 1.0 | <u> </u> | | | | |
| | | | 8.0' - 15' Gray/brown bands, wet, coarse to fine SAND, SILT to 10 fbg increasing shale fragments to EOB (refusal) at 15 fbg | | | | |
| 10 Slot PVC Screen | | | | | | | |
| | S-3: 10'-15' Rec: 5.0'/5.0' | < 1.0 | | | | | |
| | | | | | | | |
| | | | 1: | | | | |
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| 30 - | | | | | | | |
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| 35 | | | | | | | |
| Monitoring Well Completion / Boring Lo | og drafted by LaBella | Associates | page <u>1</u> of <u>1</u> | | | | |

| Site Name: NYSDEC - Algonquin Mi | | | | Ist 16, 2022 | |
|--|-------------------------------------|---------------|---------------------|---|--|
| Location: Waste Management | | | | | |
| | Client:_NYSDEC Driller:Mario Pineda | | | | |
| Phone No.: | Log | iged by:_ | T. Ro | ollend WM-SB-08 0-2" WM-SB-08 2-12" WM-SB-08 120-132" | |
| Drilling Method: Geoprobe 7822 DT | (Dia): <u>2</u> "S | Sampling | Method | <u>Macro Core (Dia): 2"</u> | |
| Drilled TD: ^{15'} | (Dia): <u>2"</u> S | ampled | TD: see s | samples collected (Dia): N/A | |
| Well TD: ^{13'} | (Dia): <u>2"</u> V | Vell Type | e: PVC | | |
| Screen Interval: <u>^{13' - 3.0'}</u> Slo [:] | t Size: ⁰ | .010" | _ Diame | eter:2" | |
| Cased Interval: <u>3.0'-+2.0'</u> Typ | De:PV | С | _ Diame | eter:2" | |
| Sand Pack Interval: 13' - 2. | . <u>0'</u> Type: | #2 | _Wellhe | ead Prot: Stand pipe | |
| Bentonite Seal Interval: 2.0' | ^{1.0′} Type: | Chips | _Groute | ed Interval: N/A | |
| Depth Monitoring Well (Feet) Construction | Recovery; | PID (ppm): | | Description / Soil Classification | |
| 0 - Steel Standpipe | | | | | |
| Native Soil & Well Sand Bentonite 2" PVC Riser | S-1: 0' - 5.0' Rec: 3.0'/5.0' | < 1.0 | 0' - 2" 2" - 15' | Brown, dry, fine GRAVEL, organics and coarse to fine SAND and SILT Brown, dry to moist, increasing moisture content with depth, coarse to fine SAND and SILT some rounded fine Gravel | |
| #2 Well Sand | S-2: 5.0' - 10' Rec: 4.0'/5.0' | < 1.0 | X | Note: 5.0' - 7.0' Fill interval (5.0' - 7.0') containing carpet, plastic sheeting, woo paneling in SAND/SILT material Wet at 10 fbg | |
| 10 Slot PVC Screen | S-3: 10'-15' Rec: 5.0'/5.0' | < 1.0 | | Increasing shale content with depth to EOB (refusal) at 15 fbg | |
| 15 | | | | 15 | |
| | | | | | |



WELL DEVELOPMENT LOGS

Site Name AMS - Waste Management Site Location Averill Park, NY Well ID WM-OW-01 Sampled By BB+NW

Well Information

| Flush Mount or Riser | Flush |
|---------------------------|-------|
| Measuring Point | TOC |
| Measuring Point Elevation | |
| Depth to Water (feet) | 3.24 |
| Depth to Bottom of Well | 10.20 |

| Dia. We | Well Volume Multiplier |
|---------------------------------|---------------------------|
| 1 | 0.0408 |
| 1.5 | 0.0918 |
| 2 | 0.1631 |
| 3 | 0.3670 |
| 4 | 0.6525 |
| 5 | 1.0195 |
| 6 | 1.4681 |
| 8 | 2.6100 |
| 10 | 4.0782 |
| 12 | 5.8726 |
| Wall Valuese Callege – Mukialia | and enote of Wotor Column |

Well Volume Gallons = Multiplier x Length of Water Column

Stabilization is achieved when the following changes are noted over three consecutive 3-5 minute readings: \pm 0.1 change in pH

Aztech Environmental

A LaBella Company

$\pm\,3\%$ change in conductivity

± 10 millivolt change in ORP ± 10% change in DO and Turbidity

| Date | 8/30/2022 |
|-------------------------|--------------------|
| Weather | Hot 90's Humid |
| Purging Equipment | Peristaltic |
| Sampling Equipment | Peristaltic/Horiba |
| Decon Method | Alconox |
| Riser Diameter | 2" |
| Well Volume Calculation | 1.14 |

| Time | Volume Removed (Gallons) | Turbidity (NTU) | рН | Temperature (F) | Dissolved O2 (mg/L) | Conductivity (mS/cm) | ORP (mV) | Depth to Water | Pumping Rate |
|------|--------------------------|-----------------|------|-----------------|------------------------|-------------------------|----------|-------------------|-----------------|
| 1440 | 8.5 manually | | | | | | | 3.24 | |
| 1448 | 12 using pump w/o horiba | | | | | | | 3.42 | |
| 1455 | 12.5 | 638 | 7.30 | 21.9 | 0.16 | 1.19 | -34 | 3.46 | |
| 1508 | 13.5 | 255 | 7.06 | 21.71 | 0.0 | 1.19 | -60 | 3.47 | |
| 1520 | 14.5 | 77.4 | 7.10 | 21.72 | 0.0 | 1.17 | -71 | 3.46 | |
| 1527 | 15 | 40.4 | 7.17 | 21.78 | 0.0 | 1.15 | -75 | 3.48 | |
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| | Site Name | AMS - Wa | ste Man | agement | | | | 1 | |
|------|---------------------------------------|----------------------------------|---------|--------------------------------------|-------------------------|-----------------------------------|-----------|-------------------|-----------------|
| | Site Location | Averill Park, NY WM-OW-02 | | | | | | - | |
| | Sampled By | BB+NW | | | | Azte | | ironme | intal |
| | Well Informatio | n | _ | | | | A LaBella | Company | |
| | Flush Mount or Riser | Flush | | | | | | | |
| | Measuring Point | тос | | Stabilization is achie over three | | | | | |
| | Measuring Point Elevation | | - | | ± 0.1 change in pH | | | | |
| | Depth to Water (feet) | 9.54 | | ± 3 | % change in conductiv | vity | | | |
| | Depth to Bottom of Well | 17.17 | | | 0 millivolt change in O | | | | |
| | | | 1 | | change in DO and Tu | | I | | |
| | Dia. Well 1 | Well Volume Multiplier 0.0408 | | Da Wea | ther | 8/30/2022 Hot 90's Humid | | | |
| | <u> </u> | 0.0918 0.1631 | | Purging E Sampling I | quipment Equipment | Peristaltic Peristaltic/Horiba | | | |
| | 3 4 | 0.3670 | | Decon Riser D | Method | Alconox | | | |
| | 5 | 0.6525 1.0195 | | Well Volume | Calculation | 2" 1.24 | | | |
| | <u>6</u> 8 | 1.4681 2.6100 | | | | | | | |
| | 10 | 4.0782 | | | | | | | |
| | 12 | 5.8726 | | | | | | | |
| | Well Volume Gallons = Multiplier x Le | angen of water Column | J | | | | | | |
| | Γ | Γ | | 1 | | | | | 1 |
| Time | Volume Removed (Gallons) | Turbidity (NTU) | рН | Temperature (F) | Dissolved O2 (mg/L) | Conductivity (mS/cm) | ORP (mV) | Depth to Water | Pumping Rate |
| 1150 | 7 gallons manually | | | | | | | 9.54 | |
| 1220 | pump start | | | | | | | | |
| | | | | | | | | | |
| 1235 | 9 | | | very trubid | no horiba | | | 9.72 | |
| 1245 | 11 | | | start h | oriba | | | 9.62 | |
| | | | | | | | | | |
| 1300 | 12.5 | 303 | 7.46 | 15.26 | 1.58 | 1.08 | 135 | 9.71 | |
| 1310 | 14.5 | 102 | 7.36 | 15.15 | 0.0 | 1.09 | 146 | 9.71 | |
| 1320 | 16.5 | 47.2 | 7.43 | 15.10 | 0.0 | 1.10 | 143 | 9.69 | |
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| | Site Name | AMS - Wa | ste Mana | agement | | | | | |
|------|---------------------------------------|------------------------------|----------|-------------------------|--|-------------------------------|-----------|----------|---------|
| | Site Location Well ID | Averill Park, NY WM-OW-03 | | | | A | ch Env | | un ta I |
| | Sampled By | | | | | Azte | - CECHAG | | ental |
| | Well Informatio | n Riser | ן | | | | A LaBella | Company | |
| | Measuring Point | TOC | | Stabilization is achiev | ved when the following consecutive 3-5 minute | g changes are noted | | | |
| | Measuring Point Elevation | | | over three c | ± 0.1 change in pH | e readings. | | | |
| | Depth to Water (feet) | 10.83 | | ± 3' | % change in conductiv | vity | | | |
| | Depth to Bottom of Well | 17.08 | | |) millivolt change in O change in DO and Tu | | | | |
| | Dia. We l | Well Volume Multiplier | 1 | Da | te | 8/30/2022 | | | |
| | 1 1.5 | 0.0408 0.0918 | | Wea Purging E | quipment | Hot 90's Humid Peristaltic | | | |
| | 2 3 | 0.1631 0.3670 | | Sampling I Decon I | Method | Peristaltic/Horiba Alconox | | | |
| | 4 5 | 0.6525 | | Riser Di Well Volume | iameter | 2" 1.02 | | | |
| | 6 | 1.0195 1.4681 | | well volume | Calculation | 1.02 | | | |
| | 8 10 | 2.6100 4.0782 | | | | | | | |
| | 12 | 5.8726 | | | | | | | |
| | Well Volume Gallons = Multiplier x Le | ngth of Water Column | | | | | | | |
| Time | Volume Removed (Gallons) | Turbidity (NTU) | pН | Temperature (F) | Dissolved O2 | Conductivity | ORP (mV) | Depth to | Pumping |
| | | | | | (mg/L) | (mS/cm) | | Water | Rate |
| 1010 | 10 gallons manually | | | | | | | | |
| 1040 | pump start | | | | | | | 10.90 | |
| 1120 | 13 | | | Start H | loriba | 1 | | 10.85 | |
| 1130 | 14 | 28 | 7.51 | 18.06 | 0.0700 | 1.63 | 5 | 10.87 | |
| 1140 | 15 | 42.4 | 7.44 | 18.34 | 0.0000 | 1.63 | 11 | 10.87 | |
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Site Name AMS - Waste Management Site Location Averill Park, NY Well ID WM-OW-04 Sampled By BB+NW

Well Information

| Flush Mount or Riser | Riser |
|---------------------------|-------|
| Measuring Point | TOC |
| Measuring Point Elevation | |
| Depth to Water (feet) | 7.15 |
| Depth to Bottom of Well | 16.66 |

| Dia. Wel | Well Volume Multiplier |
|----------|---------------------------|
| 1 | 0.0408 |
| 1.5 | 0.0918 |
| 2 | 0.1631 |
| 3 | 0.3670 |
| 4 | 0.6525 |
| 5 | 1.0195 |
| 6 | 1.4681 |
| 8 | 2.6100 |
| 10 | 4.0782 |
| 12 | 5.8726 |
| | and anoth of Water Column |

Well Volume Gallons = Multiplier x Length of Water Column

Stabilization is achieved when the following changes are noted over three consecutive 3-5 minute readings: \pm 0.1 change in pH

Aztech Environmental

A LaBella Company

$\pm\,3\%$ change in conductivity

± 10 millivolt change in ORP ± 10% change in DO and Turbidity

| Date | 8/30/2022 |
|-------------------------|--------------------|
| Weather | Hot 90's Humid |
| Purging Equipment | Peristaltic |
| Sampling Equipment | Peristaltic/Horiba |
| Decon Method | Alconox |
| Riser Diameter | 2" |
| Well Volume Calculation | 1.55 gal |

| | | | - | | | | | | |
|------|--------------------------|-----------------|------|-----------------|------------------------|-------------------------|----------|-------------------|-----------------|
| Time | Volume Removed (Gallons) | Turbidity (NTU) | рН | Temperature (F) | Dissolved O2 (mg/L) | Conductivity (mS/cm) | ORP (mV) | Depth to Water | Pumping Rate |
| 830 | 6 gallons manually | | | | | | | | |
| 850 | pump start | | | | | | | 7.31 | |
| 905 | 7.5 | | | | | | | 7.27 | |
| 920 | ~9 | 1000+ | 7.65 | 17.02 | 0.15 | 1.7 | -7 | 7.32 | |
| 930 | ~11 | 1000 | 7.76 | 17.13 | 0.91 | 1.7 | -16 | 7.33 | |
| 940 | ~12.5 | 118 | 7.78 | 17.92 | 0.0 | 1.7 | -23 | 7.33 | |
| 950 | ~14 | 47.7 | 7.89 | 17.73 | 0.0 | 1.71 | -30 | 7.34 | |
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LOW FLOW STABILIZATION SAMPLING LOGS

| | Site Location | Nastr Manager Rostenkill, NY WM-QU-01 NW | nent | | | Azt | ech En | A vironm | ental |
|------------|-------------------------------|---|-------|----------------|--|----------------------|------------|----------------------------|---------|
| | Well Informs | | 6 | liosheen. | observer | | A LaBel | la Company | |
| | Flush Mount or Riser | flush | 1 (| sn ground | waterdui | ng pixae. | | | |
| | Measuring Point | Toc | | | eved when the followi consecutive 3-5 min | | | | |
| | Measuring Point Elevation | | | | ± 0.1 change in pH | 6 | | | |
| | Depth to Water | 3.34 | - | * | 3% change in conduc | tivity | | | |
| | Depth to Bottom of Well | (0.21 | | | 10 millivolt change in % change in DO and 1 | | | | |
| | Dia, Well | Well Volume Multiplier | 1 | | ate | 9(1)()) | 1 | | |
| | 1 | 0.0408 | | | ather Equipment | Party Clean | 8 | | |
| | 2 | 0.1631 0.3670 | | Sampling | Equipment Method | Alconok | c | | |
| | 4 5 | 0.6525 | | Riser | Diameter e Calculation | 3.362 | | | |
| | 6 | 1.4681 2.6100 | | | | and | 10 | | |
| | 10 | 4.0782 5.8726 | 1 | | | | | | |
| | Well Volume Gallons = Multipl | | 1 | | | | | | |
| | Column | | 1 | | | | | | |
| Time | Volume Removed (Gallons) | Turbidity (NTU) | pH | Temperature () | Dissolved O2 | Conductivity | ORP (mV) | Depth to | Pumping |
| 1.1. | | | | | (mg/L) | (mS/cm) | 5 (1) | Water | Rate |
| 1140 | | | | | | | | | NO M |
| inir | 24 | 010 | 7/11 | 14 00 | - | Citt | (0) | 220 | 190 " |
| 1145 | .25 | 56.9 | 7.41 | 19.99 | 0.0 | .814 | -102 | 3.35 | 15 |
| 1150 | 5 | 19.8 | 7,48 | 20.08 | 00 | CALL | -11/ | 3.36 | 250 |
| | | 11.0 | ., 18 | 0.00 | 0.0 | -804 | -116 | 2:26 | |
| 1155 | .75 | 5.6 | 7.42 | 20.08 | 0.0 | .807 | -116 | 3.38 | 250 |
| 0.0 | , | 1 | | 0 | 1.5 | | 1 7325 | 12000 300 | |
| 200 | 1.0 | 1.4 | 7.47 | 20.08 | 0.0 | .808 | -121 | 3.39 | 250 |
| 1205 | 120 | 0.0 | 744 | Dm il | O.O | ,808 | Da | 2701 | 200 |
| iaus | 1.2.9 | 0.0 | 7.44 | 20. il | 0.0 | 1000 | -DO | 3.38 | 750 |
| 1210 | 1.50 | 0,0 | 7.41 | 20.14 | 0.0 | .806 | -122 | 3.38 | 250 |
| 26.20 20.5 | | Southers (2) | - C | 1988 V.1997 | 0.0 | 38 (72) | Ind | State of the second second | 10 |
| 1215 | 1.75 | 0.0 | 7.39 | 20.12 | 0.0 | ,806 | -123 | 3.39 | 250 |
| 1000 | 10 | 6-11-11-11-11-11-11-11-11-11-11-11-11-11 | 714 | 2.0 | (1.0 | in the second second | 10.0 | | 100 |
| 1220 | 2.0 | O.O | 7.44 | 20.13 | 0.0 | . 805 | -125 | 3.39 | 150 |
| 1225 | 2.2.5 | 00 | 7.41 | 20.11 | 0.0 | .806 | -125 | 3.39 | SO |
| 15 | A. 4 . | 0.0 | | 20.11 | 0.0 | 1800 | | The second second | |
| 230 | 250 | 0.0 | 7.4 | 20.12 | 0.0 | .805 | -124 | 3.39 | 20 |
| | | | | • | | | | 1.117207.4 | 1.0 |
| 1235 | 1.75 | 0.0 | 7.41 | 20.D | 0.0 | - 804 | -bs | 3.40 | 200 |
| 1240 | 20 | 0.6 | 7.42 | 20.10 | 0.0 | date | -123 | 3.40 | 250 |
| 10-10 | 3.0 | 44. 0345 | | 10 | | , 904 | 123 | 2.0 | 0.1- |
| 245 | 3.25 | 1.5 | 7.43 | 20.11 | 0.0 | .805 | -12.5 | 3.40 | 250 |
| | | | | 11 | Carel Los | | Lange Mark | | 12 |
| 1250 | 3.50 | 1.9 | 7.42 | 20.10 | 0. O | . 804 | -124 | 3.40 | 290 |
| 1255 | 3.75 | 0.0 | 7.42 | 20.08 | 20 | . 804 | -124 | 2/10 | 256 |
| 10.11 | | 0,0 | | 10.08 | 0.0 | + 604 | the I | 3,40 | |
| 1300 | Sample | ~~~ | ~ / | - | - | - | | ~ | ~ |

| | Site Location | Waste Managen Destenkill N WM-OW-02 S.W | Y | | | Azt | ech En | A vironm | ental |
|------|---|--|------|-----------------|--|-------------------------|----------|-------------------|-----------------|
| | Well Inform: | A Sector de la Carte de la C | 7 | | | | A LaBell | a Company | |
| | Flush Mount or Riser Measuring Point | Riser Toc. | | | eved when the following | | | | |
| | Measuring Point Elevation | 100 | | over three | consecutive 3-5 minu ± 0.1 change in pH | iereadings: | | | |
| | Depth to Water | 7.79 | | | % change in conduct | ivity | | | |
| | Depth to Bottom of Well | 17.20 | | ** | 0 millivolt change in 0 | XRP | | | |
| | Dia. Well | Wall Volume 11 distant | - | | change in DO and T | | 1 | | |
| | 1 | Well Volume Multiplier 0.0408 | 1 | Wea | ather | 9/27/22 SUMY | | | |
| | 1.5 | 0.0918 0.1631 | | Sampling | quipment Equipment | Devistantic | | | |
| | 3 4 | 0.3670 | | Decon | Method | aligner | | | |
| | 5 | 1.0195 | | | Calculation | 1.53 | | | |
| | 6 8 10 12 Well Volume Gallons = Multipl Column | 1.4681 2.6100 4.0782 5.8726 lier x Length of Water | 113 | 0 Sampi | ed WM-(| 20-W | | | |
| Time | Volume Removed (Gallons) | Turbidity (NTU) | pН | Temperature (F) | Dissolved O2 (mg/L) | Conductivity (mS/cm) | ORP (mV) | Depth to Water | Pumping Rate |
| 1030 | Began Aurge | | | | | | | 7.79 | |
| 1035 | | 132 | 7.59 | 14.50 | 2.56 | 1.02 | - 50 | 7.82 | |
| 1040 | | 74.0 | 7.31 | 14.66 | 0.93 | 1.02 | -30 | 7.84 | |
| 1045 | | 60.4 | 7.21 | 14.76 | 0.01 | 1.02 | -11 | 7.84 | |
| 1050 | | 59.9 | 7.20 | 14.79 | 0.00 | 1.02 | -8 | 7.84 | |
| 1055 | | 57.4 | 7.17 | 14.83 | 0.00 | 1.02 | 5 | 7.85 | |
| 1100 | | 56.6 | 7.16 | 14.87 | 0.00 | 1.02 | 8 | 7.85 | |
| lios | | 51.0 | 7.16 | 14.88 | 0.00 | 1.02 | 13 | 1.86 | |
| 011 | | 56.0 | 7.15 | 14.95 | 0.00 | 1.02 | 18 | 7.86 | |
| 1115 | | 55.6 | 7.14 | 14.95 | 0.00 | 1.02 | 20 | 7.89 | |
| 1120 | | 55.7 | 7.14 | 14.93 | 0.00 | 1.02 | 22 | 7.90 | |
| 1125 | | 55.5 | 7.14 | 14.95 | 0.00 | 1.01 | 29 | 7.95 | |
| | Ended Purge | | | | | | | | |
| | | | | | | | | | |

| | Site Name Site Location Well ID Sampled By Well Inform Flush Mount or Riser Measuring Point Elevation Depth to Water Depth to Bottom of Well Dia. Well 1 1.5 2 3 4 | Bestenfull N WM-OW-U M | <u>}</u> | Aztech Environmental Aztech Environmental TECHNOLOGIES A LaBella Company Stabilization is achieved when the following changes are noted over three consecutive 3-5 minute readings: ± 0.1 change in pH ± 3% change in conductivity ± 10 millivolt change in ORP ± 10% change in DO and Tubidity Date Purging Equipment Sampling Equipment Decon Method Decon Method Decon Method Decon Method Mean Weall Volume Calculation Weall Volume Calculation | | | | | | |
|-------|--|---|----------|---|------------------------|-------------------------|----------|-------------------|-----------------|--|
| | 5 6 8 10 12 Well Volume Gallons = Multip Column | 1.0195 1.4681 2.6100 4.0782 5.8726 Ter x Length of Water | | °c. | | •) | J | | | |
| Time | Volume Removed (Gallons) | Turbidity (NTU) | рН | Temperature (F) | Dissolved O2 (mg/L) | Conductivity (mS/cm) | ORP (mV) | Depth to Water | Pumping Rate | |
| 1045 | 0 | 176 | 6.81 | 16.25 | 0,58 | 1.69 | -13 | 8,94 | | |
| :50 | 0.25 | 12 | 6.66 | 16.62 | 0.03 | 1.66 | - 31 | 8,95 | | |
| :55 | 0.5 | 76.5 | 6.85 | 16,97 | 0.00 | 1.65 | -40 | 8,95 | | |
| 11:00 | 0.75 | 29.2 | 6.90 | 17.19 | 0,00 | 1.64 | -42 | 11 | - | |
| :05 | 1.0 | 19,8 | 6.88 | 17.33 | 0.00 | 1,63 | -42 | 11 | | |
| :10 | 1.25 | 9.4 | 6.87 | 17.37 | 0.00 | 1,62 | -45 | 11 | | |
| 15 | 1,50 | 4.0 | 6.90 | 17,38 | 00,0 | 1,60 | -49 | | | |
| :20 | 1.75 | 2.2 | 4.88 | 17.48 | 0.00 | 1,59 | -51 | 1) | | |
| :25 | 2.0 | 0,0 | 6.88 | 17.50 | 0,00 | 1.57 | -53 | 11 | | |
| :30 | 2.25 | 0,0 | 6.87 | 17,49 | 0.00 | 1.57 | -53 | 11 | | |
| :35 | 2.5 | 0.0 | 6.88 | 17.55 | 0.00 | 1.57 | -54 | 11 | | |
| | SAmp | INF MU | - OU |)-03 (| 9 11:35 | 9,2 | 7,22 | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |

| Site Name | ALGONAUN |
|---------------|----------|
| Site Location | |
| Well ID | WM-0W-04 |
| Sampled By | TR/SV |
| | |

Well Information RISER Flush Mount or Riser TOC Measuring Point Measuring Point Elevation ŦĿ 4,34 Depth to Water Depth to Bottom of Well 'Q.

| Dia. Well | Well Volume Multiplier | | | | |
|-----------|--------------------------------------|--|--|--|--|
| 1 | 0.0408 | | | | |
| 1.5 | 0.0918 | | | | |
| 2 | 0.1631 | | | | |
| 3 | 0.3670 | | | | |
| 4 | 0.6525 | | | | |
| 5 | 1.0195 | | | | |
| 6 | 1.4681 | | | | |
| 8 | 2.6100 | | | | |
| 10 | 4.0782 | | | | |
| 12 | 5.8726 | | | | |
| | Aultiplier x Length of Water lumn | | | | |

Aztech Environmental

A LaBella Company

Stabilization is achieved when the following changes are noted over three consecutive 3-5 minute readings:

±0.1 change in pH

± 3% change in conductivity

± 10 millivolt change in ORP ± 10% change in DO and Turbidly

| 1 | Date | <u>9127.22</u> |
|---|-------------------------|----------------|
| | Weather | Dar thy cloucy |
| | Purging Equipment | peristattic ' |
| | Sampling Equipment | Denstautic |
| 1 | Decon Method | alconox |
| | Riser Diameter | |
| | Well Volume Calculation | 2.0 |

| Time | Volume Removed (Gallons) | Turbidity (NTU) | рН | Temperature (F) | Dissolved O2 (mg/L) | Conductivity (mS/cm) | ORP (mV) | Depth to Water | Pumping Rate |
|-------|--------------------------|-----------------|------|-----------------|------------------------|-------------------------|----------|-------------------|-----------------|
| 1300 | 0 | >1K | 6.52 | 17.02 | 9.22 | 1.42 | -70 | 4.43 | |
| :05 | 0.25 | 183 | 6.63 | 16.89 | 6.71 | 1.42 | -73- | <u>4,44</u> | |
| :10 | 0.5 | 121 | 6.68 | 17.04 | 5,90 | 1.42 | -79 | 4,43 | |
| :15 | 0.75 | 55.1 | 6.71 | 17.24 | 5.31 | 1.42 | -78 | 4.43 | |
| :20 | 1.0 | 29.5 | 6.72 | 17.31 | 4.82 | 1.42 | -78 | 4.43 | |
| :25 | 1.25 | 16.6 | 671 | 17.34 | 4.09 | 1.42 | -79 | 4.43 | |
| 13:30 | 1.5 | 13.9 | 6.72 | 17.37 | 3.65 | 1.43 | -79 | 443 | |
| :35 | 1-15 | 14.7 | 6.73 | 1736 | 294 | 1.42 | -80 | 4.49 | |
| .40 | 20 | 11.4 | 6.13 | 17.38 | 2.5H | 1.42 | -80 | 4.51 | |
| :45 | 2.25 | 11.7 | 6.72 | 171.37 | 2.38 | 1-12 | -81 | 4.51 | |
| :50 | 2.50 | 11.8 | 6.74 | 17.43 | 2.17 | 1.42 | -81 | 4.51 | |
| :55 | 2.75 | 9.8 | 6.71 | 17.58 | 1.98 | 1.42 | -80 | 4.51 | |
| | SAM | DUED U | JM- | 0W-04 | (| 1355 | - | 27-2 | 22 |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| _ | | | | | | | | | |



LABORATORY ANALYTICAL REPORTS



March 13, 2023 (Revised 4-18-2023)

Brittany O'Brien-Drake New York State Department of Environmental Conservation 625 Broadway Albany, NY 12233

RE: Site Summary Report (Rev. 4-18-2023) Algonquin Middle School PFAS Assessment #2105197 Valente Lumber Yard, 8957 NY 66, Averill Park, NY Tax parcel ID: 136.-8-11.1

Aztech Environmental Technologies Inc. (Aztech), a LaBella company, has provided this report to document overburden soil and groundwater assessment methodologies and sampling results for the above referenced location. All field investigation activities were performed at the discretion of and in accordance with the scope of work (SOW) developed and provided by the New York State Department of Environmental Conservation (NYSDEC).

The property is partially utilized by L.J. Valente Lumber, Inc. (Valente Lumber) as a lumber yard, mill shop, and retail operation. Lumber yard operations primarily occupy the northern portion of the parcel. The approximate 64.83-acre parcel is located south of Ford Rd. and east of Reichards Lake Rd. The northern portion of the parcel (where the lumber operation is located) is in the Town of Poestenkill; the southern (undeveloped) portion of the parcel is within the Town of Sand Lake. A low-lying area is centrally located within the property with hills of slightly higher elevation located east and west. A small pond is located just south of the small rise toward the western portion of the property. The attached **Figure 1** depicts property features and boundaries.

Overburden soil encountered during drilling activities consisted primarily of coarse to fine sand and silt with varying amounts of shale fragments which typically increased in depth to tooling refusal. Shale fragments in the sampler shoe at terminal boring depth is noted on boring logs.

Prior to intrusive groundwork, a UDig NY utility clearance ticket was ordered for the property. Additionally, a private utility locating contractor performed utility clearance with ground penetrating radar (GPR) at each boring location on August 11, 2022. Boring locations confirmed as clear were painted white and marked with a white flag.

SUMMARY OF FIELD INVESTIGATIONS:

Air monitoring

Air monitoring was conducted during all ground-intrusive work at the property (August 17 and 18, 2022) in accordance with the New York State Department of Health (NYSDOH) Generic Community Air Monitoring Plan (CAMP). One dedicated Dust Trak unit with photo-ionization detector (PID) was positioned upwind with a second dedicated unit placed downwind at each boring location. No exceedances for volatile organic compounds (VOCs) or particulates were recorded.

Soil Boring and Monitoring Well Installation

On August 17 and 18, 2022, Clean Globe Environmental (CGE) advanced soil borings (VL-SB-01 through VL-SB-07) utilizing a Geoprobe 7822DT and direct-push techniques to terminal depths ranging from 10 to 20 feet below grade (fbg). Of the 7 total boring locations, 3 were converted to monitoring wells (VL-OW-01 through VL-OW-03). Aztech provided oversight of drilling activities and performed soil headspace screening, soil classification, and both soil and groundwater sampling.



Monitoring wells were installed by over-drilling the borehole utilizing 4 ¼" inner diameter (ID) hollow stem augers. The well assembly consisted of 2-inch polyvinyl chloride (PVC) 10-slot screen set to straddle the water table and casing to grade. A number 2 filtration sand was installed to fill the borehole annulus to approximately one (1) to two (2) feet above the screened interval. Bentonite chips were added atop the sand to seal the casing from surface water intrusion and subsequently hydrated with certified per-and polyfluoroalkyl substance (PFAS)-free water. Native soil and well sand were added as needed to the finish grade. Each well was finished within a flush mount road box. Each newly installed groundwater monitoring well was developed on August 30, 2022 by using a peristaltic pump and/or bailer to remove a targeted 10 well volumes. Monitoring well specifications are presented below in **Table 1.** Individual boring logs are attached. Monitoring well locations are depicted on the attached Figure 1.

| TABLE 1 Monitoring Well Specifications | | | | | | | | | |
|--|-------------------|------------------|----------------------|----------------------------|-------------------|------------------|--|--|--|
| Well ID | Borehole Depth | Well Diameter | Screened Interval | Sand Packed Interval | Bentonite Seal | Observed DTW* | | | |
| | (Feet) | (Inches) | (Feet) | (Feet) | (Feet) | (Feet) | | | |
| VL-0W-01 | 15 | 2 | 15 - 5.0 | 15 - 3.0 | 3.0 - 2.0 | 2.1 | | | |
| VL-0W-02 | 10 | 2 | 10 - 5.0 | 10 - 3.0 | 3.0 - 2.0 | 0** | | | |
| VL-0W-03 | 15 | 2 | 13 - 3.0 | 13 - 2.0 | 2.0 - 1.0 | 2.41 | | | |
| Notes: | | | | | | | | | |
| Wells drilled/installed by Clean Globe Environmental (CGE) | | | | | | | | | |
| *Depth to Water (DTW) as measured on September 21, 2022 from top of casing (TOC) | | | | | | | | | |
| ** Observed DTW at top of casing | | | | | | | | | |

Surface Water and Sediment Sampling

On August 17, 2022, two (2) surface water and two (2) sediment samples were collected. Surface water samples were obtained from the stormwater drainage culvert area at the north of the parcel (VL-SW-01) and from the pond (VL-SW-02) south of the lumber mill building and somewhat central to the property. Two (2) sediment samples were collected from the same locations as the surface water samples and designated as VL-SED-01-20220817 and VL-SED-02-20220817. A stainless-steel dip cup, that was decontaminated prior to sample collection, was used to obtain each sample. The samples were analyzed for PFAS compounds by analytical method 537M. Additional samples collected for quality assurance/quality control (QA/QC) purposes included two (2) duplicate samples and two (2) matrix spike/matrix spike duplicate (MS/MSD). The parent sample for each duplicate and the approximate locations of the sediment and surface water samples are depicted on Figure 1.

Soil Sampling

Individual soil samples were visually classified and headspace screened with a photo-ionization detector (PID) calibrated to a 100 part per million (ppm) isobutylene calibrant gas. Soil samples from select boring locations were collected from the following depth intervals:

- Surface grade to 2 -inch below grade (BG), beneath vegetative cover,
- 2-inch BG to 12-inch BG, and
- Air/water interface (water table) as observed in borehole.

The actual number of soil samples was dependent on field conditions. A total of twenty-one (21) depth discrete subsurface soil samples were collected from the seven (7) soil borings and analyzed for PFAS compounds by analytical method 537M for soil. Select soil samples from the 2"BG to 12"BG interval were analyzed using the Synthetic Precipitation Leaching Procedure (SPLP) by EPA Method 1312 and the leachate was subsequently analyzed for PFAS compounds by analytical method 537M. SPLP PFAS



results are not considered reportable as it was determined that Con-Test (a Pace Analytical Laboratory at East Longmeadow, MA and the NYSDEC's contracted lab for this project) did not hold the appropriate ELAP certification for EPA Method 1312 at the time of analysis.

Additional QA/QC samples collected consisted of two (2) equipment blanks. The Equipment Blank samples were collected via a soil sampling bag and stainless-steel dip cup on September 17 and 18, 2022 respectively. Laboratory analytical for the equipment blank samples submitted did not record any compounds above the laboratory's minimum reporting limit (RL). Refer to **Table 2** for additional details.

Groundwater Sampling

Three (3) groundwater samples were collected on September 21, 2022 from the newly installed overburden groundwater monitoring wells. Samples were collected utilizing low-flow/low-stress sampling techniques with a peristaltic pump and associated HDPE and silicone tubing. Water quality field parameters (temperature, pH, specific conductance, oxygen-reduction potential (ORP), dissolved oxygen (DO), and turbidity) were recorded during the well purging at five (5) minute intervals up to the sample time. A copy of the stabilization logs is attached. Samples were immediately placed on ice and transferred to Pace Analytical and Eurofins/TestAmerica under chain of custody protocols. Groundwater samples were analyzed for PFAS compounds by EPA Method 537M, pharmaceutically active compounds-negative by analytical method L221, nitrate and nitrite anions by EPA Method 300.

Additional samples collected for QA/QC purposes consisted of one field equipment blank. The Equipment Blank sample was collected via HDPE and silicone tubing associated with the peristaltic pump. Laboratory analytical results for the equipment blank sample submitted September 21, 2022 did not record any compounds above the laboratory's minimum RL. Refer to Table 2 for additional details.

DISCUSSION OF ANALYTICAL RESULTS

STANDARDS, CRITERIA, AND GUIDANCE VALUES

The following documents will be used to evaluate soil, groundwater, surface water, and sediment analytical results:

Soil

- Unrestricted Use and Residential Use soil guidance values from NYSDEC Sampling, Analysis, and Assessment of PFAS Under NYSDEC's Part 375 Remedial Programs, November 2022.

Groundwater

- Screening levels identified in NYSDEC Sampling, Analysis, and Assessment of PFAS Under NYSDEC's Part 375 Remedial Programs, November 2022
- New York State Drinking Water Maximum Contaminant Level (MCL) for PFOA (10 ppt), PFOS (10 ppt), and 1,4-dioxane (1 ppb)

Surface Water

- Screening levels identified in NYSDEC Sampling, Analysis, and Assessment of PFAS Under NYSDEC's Part 375 Remedial Programs, November 2022
- New York State Drinking Water Maximum Contaminant Level (MCL) for PFOA (10 ppt) and PFOS (10 ppt)

Sediment

- Standards, criteria, or guidance values do not currently exist for PFAS in sediment. Results will be discussed as provided by the laboratory.

It is noted that the NYSDEC Standards, Criteria, & Guidance Values are listed in concentrations of parts per trillion (ppt), parts per billion (ppb), and parts per million (ppm) while laboratory analytical results are reported in equivalent concentrations. For example,



- In soil:
 - 1 ppt = 1 nanogram per kilogram (ng/kg),
 - \circ 1 ppb = 1 microgram per kilogram (µg/kg), and
 - 1 ppm = 1 milligram per kilogram (mg/kg)
- In water:
 - \circ 1 ppt = 1 nanogram per liter (ng/L),
 - o 1 ppb = 1 microgram per liter (μ g/L), and
 - \circ 1 ppm = 1 milligram per liter (mg/L).

Soil Results:

Of the 21 soil samples collected and analyzed for PFAS compounds by analytical method 537M, five (5) had one or more PFAS compounds detected. Perfluorooctanoic Acid (PFOA) was recorded in two (2) intervals at one (1) location (VL-SB-03) at concentrations of 2.0 μ g/kg and 2.5 μ g/kg that are both above the Unrestricted Use guidance value of 0.66 μ g/kg. Perfluorooctane sulfonic acid (PFOS) was recorded at two (2) locations at identical estimated concentrations of 0.083 μ g/kg. This concentration is below the Unrestricted Use guidance value of 0.88 μ g/kg and, also, below the laboratory RL

The PFAS compound PFHxA was reported below the RL at an estimated concentration of 0.23 μ g/kg (VL-SB-04) and does not have a corresponding guidance value. Refer to **Table 3** for additional details. Refer to **Appendix A** for the laboratory analytical reports.

Sediment Results:

Two (2) sediment samples were collected and analyzed for PFAS compounds. PFOS was reported in one sample (VL-SED-01) below the laboratory RL and is considered an estimated concentration at 0.072 μ g/kg. No other PFAS compounds were reported above the RL. No standards, criteria, or guidance values (SCGs) for PFAS in sediment have been established. Refer to **Table 4** for additional details.

Surface Water Results:

Two (2) surface water samples were collected on August 17, 2022 and analyzed for PFAS compounds. Eleven (11) total compounds were recorded. PFOA was recorded at both locations at concentrations of 21 ng/L (VL-SW-01) and an estimated concentration of 4.1 ng/L (VL-SW-02). PFOS was recorded at both locations at concentrations of 14 ng/L and 12 ng/L. Three of the recorded concentrations for PFOA and PFOS are above the 10 ng/L (ppt) drinking water MCL which is currently used as a screening level for surface water and groundwater results. The remaining compounds, Perfluoro(2-ethoxyethane)sulfonic acid, FBSA, PFBS, PFBA, PFDA, PFHpA, PFHxS, PFHxA, PFNA, PFPeS, and PFPeA were recorded from an estimated concentration of 0.24 ng/L (FBSA) to 16 ng/L (PFHxA). No SCGs are available for the remaining compounds. Refer to **Table 5** for additional details.

Groundwater Results:

All three (3) groundwater samples collected September 21, 2022 recorded one or more PFAS compounds. PFOA was recorded at concentrations ranging from an estimated 1.2 ng/L (VL-OW-O3) to 10 ng/L (VL-OW-O2). PFOS was recorded at an estimated concentration of 1.1 ng/L (VL-OW-O3) and 4.3 ng/L (VL-OW-O2). The recorded concentrations for PFOA and PFOS are at or below the applicable screening level of 10 ng/L. Additionally, PFBS, PFBA, PFHpA, PFHxA, PFHxS, PFNA, and PFPeA were recorded ranging from an estimated concentration of 0.61 ng/L (PFNA) to 5.9 ng/L (PFBA). No SCGs are currently available for these compounds.

Groundwater samples were additionally analyzed for artificial sweeteners, including sucralose and acesulfame-k, and nitrate to assess the potential migration of septic derived wastewater to groundwater. Artificial sweetener results are used solely as qualitive screening levels by the NYSDEC to evaluate this potential. Acesulfame-K was detected in all groundwater samples with concentrations ranging from 0.13 ug/L (VL-OW-03) to 1.5 ug/L (VL-OW-01). Sucralose was detected in samples collected from two (2) monitoring wells and results ranged from 0.077 ug/L (VL-OW-03) to 0.12 ug/L



(VL-OW-01). The maximum detections of sucralose and acesulfame-k were both identified in monitoring well VL-OW-01. Nitrate was detected in all three (3) groundwater samples below the groundwater standard and results ranged from 0.29 mg/L (VL-OW-01) to 0.38 mg/L (VL-OW-03). Refer to **Table 6A-6C** for additional details. Refer to Appendix A for the laboratory analytical reports.

Further discussion on the findings and conclusions of the investigation of the Valente Lumber Yard property are discussed within the main PFAS assessment report provided by CDM Smith.

Respectfully submitted,

Aztech Environmental Technologies (a LaBella Company)

Todd Rollend Environmental Scientist

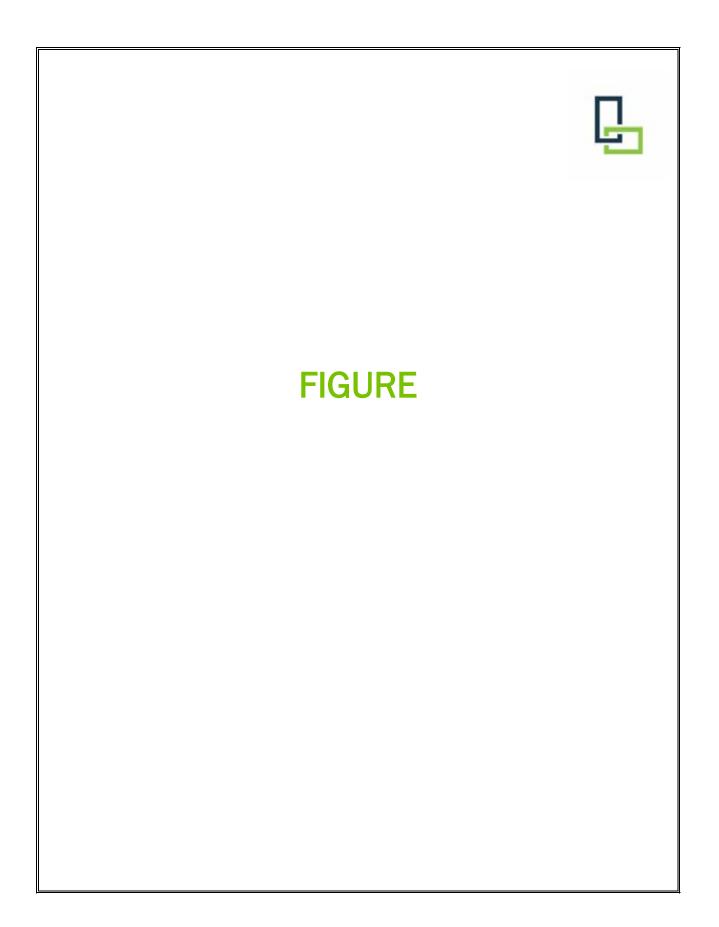
I Randy Hoose certify that I am currently a Qualified Environmental Professional as defined in 6 NYCRR Part 375 and that this Report was prepared in accordance with all applicable statutes and regulations and in substantial conformance with the DER Technical Guidance for Site Investigation and Remediation (DER-10). All investigation and activities were performed in full accordance with the work plan provided by the NYSDEC.

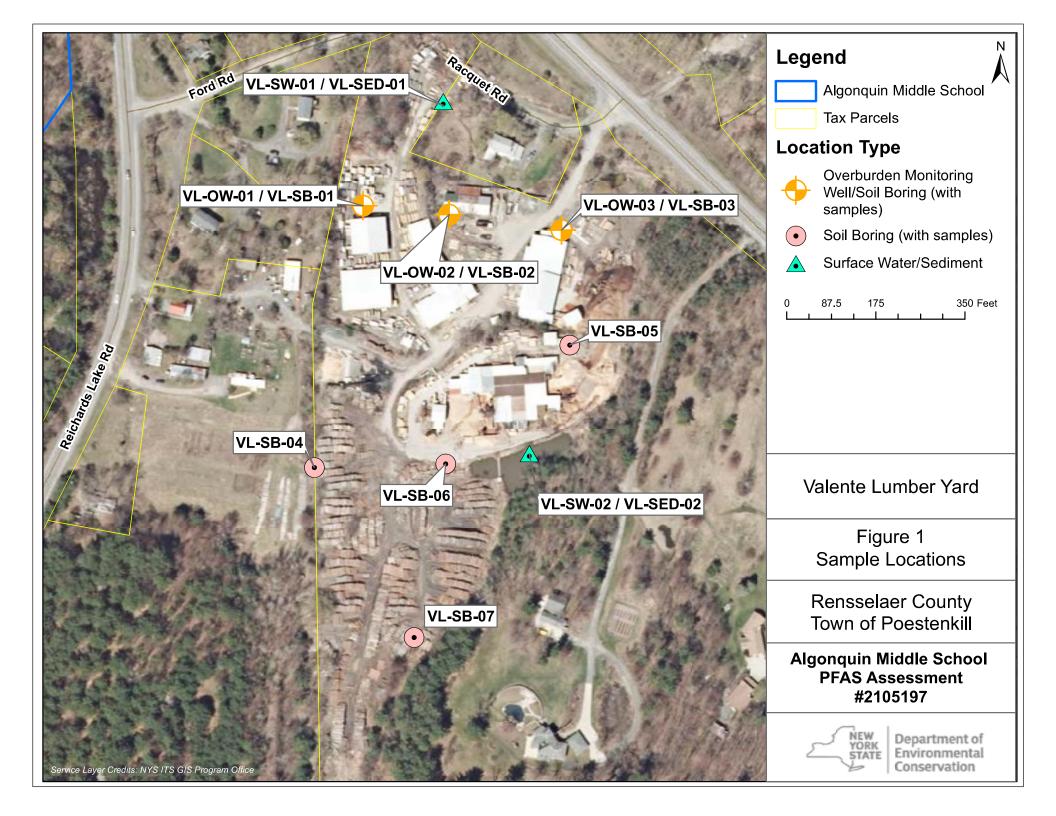
Kandy Hoon

Randy Hoose, P.G. Senior Hydrogeologist

Attachments:

Figure 1 – Site Map Table 2 – Equipment Blank, PFAS Results Table 3 – Soil, PFAS Results Table 4 – Sediment Results Table 5 – Surface Water Results Table 6A – Groundwater, PFAS Results Table 6B – Groundwater, Artificial Sweetener Results Table 6C – Groundwater, Nitrate & Nitrite Results Boring Logs Well Development Logs Low-Flow Stabilization Sampling Logs Appendix – A: Laboratory Analytical Reports





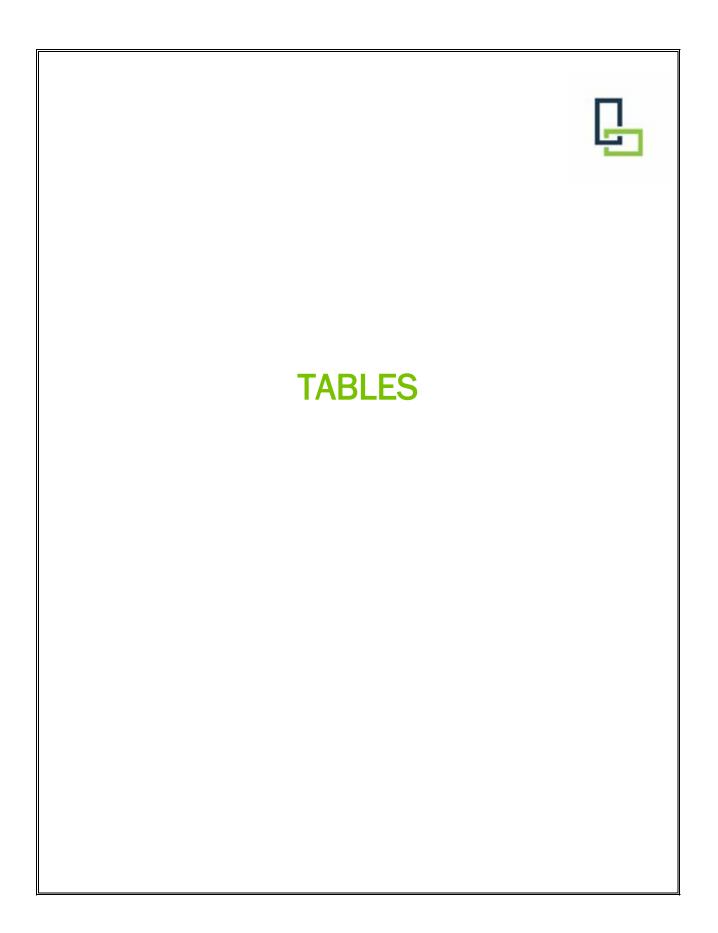


Table 2 Valente Lumber Yard Equipment Blank, PFAS Results

| Analyte 1-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11CI-PF3OUdS) H,1H, 2H, 2H-Perfluorodecane sulfonic acid H,1H, 2H, 2H-Perfluoronexane sulfonic acid H,1H, 2H, 2H-Perfluoronexane sulfonic acid 8-Dioxa-3H-perfluoronexane sulfonic acid (ADONA) -Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid (9CI-PF3ONS) exafluoropropylene oxide dimer acid (HFPO-DA) | Unit ng/L ng/L | NYSDEC Guidelines ¹ NC | ID: Equipment Blank ID: 22H1143-22 ate: 8/17/2022 ode: EB res ¹ Result Qualifier | | r Result Qualifier | | | NT BLANK 1885-5 '2022 B | |
|--|----------------------|--------------------------------------|---|---|--------------------|-----------|--------|----------------------------------|--|
| H,1H, 2H, 2H-Perfluorodecane sulfonic acid H,1H, 2H, 2H-Perfluorohexane sulfonic acid H,1H, 2H, 2H-Perfluorooctane sulfonic acid .8-Dioxa-3H-perfluorononanoic acid (ADONA) -Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid (9CI-PF3ONS) exafluoropropylene oxide dimer acid (HFPO-DA) | ng/L | NC | | | Result | Qualifier | Result | Qualifier | |
| H,1H, 2H, 2H-Perfluorohexane sulfonic acid H,1H, 2H, 2H-Perfluorooctane sulfonic acid &-Dioxa-3H-perfluorononanoic acid (ADONA) -Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid (9CI-PF3ONS) exafluoropropylene oxide dimer acid (HFPO-DA) | 5 | | < 0.61 | U | < 0.59 | U | NA | Τ | |
| H, 1H, 2H, 2H-Perfluorooctane sulfonic acid 8-Dioxa-3H-perfluorononanoic acid (ADONA) -Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid (9CI-PF3ONS) exafluoropropylene oxide dimer acid (HFPO-DA) | na/l | NC | < 0.58 | U | < 0.56 | U | < 1.8 | U | |
| 8-Dioxa-3H-perfluorononanoic acid (ADONA) -Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid (9CI-PF3ONS) exafluoropropylene oxide dimer acid (HFPO-DA) | ing/ E | NC | < 0.27 | U | < 0.26 | U | NA | | |
| Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid (9CI-PF3ONS) exafluoropropylene oxide dimer acid (HFPO-DA) | ng/L | NC | < 0.35 | U | < 0.34 | U | < 4.4 | U | |
| exafluoropropylene oxide dimer acid (HFPO-DA) | ng/L | NC | < 0.33 | U | < 0.32 | U | NA | | |
| | ng/L | NC | < 0.37 | U | < 0.36 | U | NA | | |
| | ng/L | NC | < 0.23 | U | < 0.22 | U | NA | | |
| -deuterioethylperfluoro-1-octanesulfonamidoacetic acid | ng/L | NC | < 0.6 | U | < 0.58 | U | NA | | |
| -deuteriomethylperfluoro-1-octanesulfonamidoacetic acid | ng/L | NC | < 0.72 | U | < 0.7 | U | NA | | |
| -ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA) | ng/L | NC | NA | | NA | | < 4.4 | U | |
| -methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA) | ng/L | NC | NA | | NA | | < 4.4 | U | |
| onafluoro-3,6-dioxaheptanoic acid (NFDHA) | ng/L | NC | < 0.26 | U | < 0.26 | U | NA | | |
| erfluoro(2-ethoxyethane)sulfonic acid (PFEESA) | ng/L | NC | < 0.22 | U | < 0.21 | U | NA | | |
| erfluoro-1-butanesulfonamide (FBSA) | ng/L | NC | < 0.18 | U | < 0.18 | U | NA | | |
| erfluoro-1-hexanesulfonamide (FHxSA) | ng/L | NC | < 0.29 | U | < 0.29 | U | NA | | |
| erfluoro-3-methoxypropanoic acid (PFMPA) | ng/L | NC | < 0.39 | U | < 0.38 | U | NA | | |
| erfluoro-4-methoxybutanoic acid (PFMBA) | ng/L | NC | < 0.32 | U | < 0.32 | U | NA | | |
| erfluorobutanesulfonic acid (PFBS) | ng/L | NC | < 0.27 | U | < 0.26 | U | < 1.8 | U | |
| erfluorobutanoic Acid (PFBA) | ng/L | NC | < 0.71 | U | < 0.69 | U | < 4.4 | U | |
| erfluorodecanesulfonic acid (PFDS) | ng/L | NC | < 0.31 | U | < 0.3 | U | < 1.8 | U | |
| erfluorodecanoic acid (PFDA) | ng/L | NC | < 0.46 | U | < 0.45 | U | < 1.8 | U | |
| erfluorododecanoic acid (PFDoA) | ng/L | NC | < 0.42 | U | < 0.41 | U | < 1.8 | U | |
| erfluoroheptanesulfonic acid (PFHpS) | ng/L | NC | < 0.89 | U | < 0.87 | U | < 1.8 | U | |
| erfluoroheptanoic acid (PFHpA) | ng/L | NC | < 0.33 | U | < 0.32 | U | < 1.8 | U | |
| erfluorohexanesulfonic acid (PFHxS) | ng/L | NC | < 0.32 | U | < 0.31 | U | < 1.8 | U | |
| erfluorohexanoic acid (PFHxA) | ng/L | NC | < 0.37 | U | < 0.36 | U | < 1.8 | U | |
| erfluorononanesulfonic Acid (PFNS) | ng/L | NC | < 0.16 | U | < 0.16 | U | NA | | |
| erfluorononanoic acid (PFNA) | ng/L | NC | < 0.33 | U | < 0.32 | U | < 1.8 | U | |
| erfluorooctane Sulfonamide (PFOSA) | ng/L | NC | < 0.4 | U | < 0.39 | U | < 1.8 | U | |
| erfluorooctanesulfonic acid (PFOS) | ng/L | 10 | < 0.57 | U | < 0.56 | U | < 1.8 | U | |
| erfluorooctanoic acid (PFOA) | ng/L | 10 | < 0.65 | U | < 0.63 | U | < 1.8 | U | |
| erfluoropentanesulfonic Acid (PFPeS) | ng/L | NC | < 0.24 | U | < 0.24 | U | NA | | |
| erfluoropentanoic Acid (PFPeA) | ng/L | NC | < 0.37 | U | < 0.36 | U | < 1.8 | U | |
| erfluorotetradecanoic acid (PFTeDA) | ng/L | NC | < 0.35 | U | < 0.34 | U | < 1.8 | U | |
| erfluorotridecanoic Acid (PFTriA/PFTrDA) | ng/L | NC | < 0.26 | U | < 0.26 | U | < 1.8 | U | |
| erfluoroundecanoic Acid (PFUnA) | ng/L | NC | < 0.35 | U | < 0.34 | U | < 1.8 | U | |

Notes:

¹New York State Department of Environmental Conservation, *Sampling, Analysis, and Assessment of Per- and Polyfluoroalkyl Substances (PFAS),* November 2022

Sample Type Code: EB - Equipment Blank

ng/L - nanogram per liter = parts per trillion (ppt)

NC - No criteria currently exists

NA - Compound was not analyzed for

U - Compound was not detected at the reporting limit shown

J - An estimated value

Bold - Indicates the compound was detected

| | | | Client Sample ID: | | D1 0-2IN | | 1 2-12IN | VL-SB-0 | 1 84-96IN | | 02 0-21N | | 2 2-12IN | | IPE-3 |
|--|-------|-----------------------------|-----------------------------|---------|----------|---------|----------|---------|-----------|---------|----------|---------|----------|-----------------|----------|
| | | | Lab Sample ID: | 22H1 | 143-25 | 22H1 | 143-26 | 22H1 | 143-27 | 22H1 | 143-46 | 22H1 | 143-47 | 22H1 | 143-49 |
| | | | Location ID: | VL-S | SB-01 | VL-S | SB-01 | VL-S | SB-01 | VL-S | SB-02 | VL-S | B-02 | VL-SB-02 2-12IN | |
| | | | Sample Date: | 8/17 | /2022 | 8/17 | /2022 | 8/17 | /2022 | 8/17 | /2022 | 8/17 | /2022 | 8/17 | /2022 |
| | | | Sample Type Code: | | N | | N | | N | | N | | N | F | FD |
| | | Unrestricted Use | Residential Use | | | | | | | | | | | | |
| Analyte | Unit | Guidance Value ¹ | Guidance Value ¹ | Result | Qualifer | Result | Qualifer | Result | Qualifer | Result | Qualifer | Result | Qualifer | Result | Qualifer |
| 11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid | µg/kg | NC | NC | < 0.12 | U | < 0.14 | U | < 0.16 | U | < 0.13 | U | < 0.13 | U | < 0.13 | u |
| 1H,1H, 2H, 2H-Perfluorodecane sulfonic acid | µg/kg | NC | NC | < 0.11 | U | < 0.13 | U | < 0.15 | U | < 0.12 | U | < 0.12 | U | < 0.12 | U |
| 1H.1H. 2H. 2H-Perfluorohexane sulfonic acid | µg/kg | NC | NC | < 0.081 | U | < 0.091 | U | < 0.1 | U | < 0.088 | U | < 0.084 | U | < 0.086 | U |
| 1H.1H. 2H. 2H-Perfluorooctane sulfonic acid | µg/kg | NC | NC | < 0.1 | U | < 0.11 | U | < 0.13 | U | < 0.11 | U | < 0.1 | U | < 0.11 | U |
| 4,8-Dioxa-3H-perfluorononanoic acid (ADONA) | µg/kg | NC | NC | < 0.14 | U | < 0.16 | U | < 0.18 | U | < 0.15 | U | < 0.15 | U | < 0.15 | U |
| 9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid | µg/kg | NC | NC | < 0.11 | U | < 0.12 | U | < 0.14 | U | < 0.12 | U | < 0.11 | U | < 0.12 | U |
| Hexafluoropropylene oxide dimer acid (HFPO-DA) | µg/kg | NC | NC | < 0.21 | U | < 0.24 | U | < 0.27 | U | < 0.23 | U | < 0.22 | U | < 0.23 | U |
| N-deuterioethylperfluoro-1-octanesulfonamidoacetic acid | µg/kg | NC | NC | < 0.12 | U | < 0.14 | U | < 0.16 | U | < 0.13 | U | < 0.13 | U | < 0.13 | U |
| N-deuteriomethylperfluoro-1-octanesulfonamidoacetic acid | µg/kg | NC | NC | < 0.08 | U | < 0.09 | U | < 0.1 | U | < 0.087 | U | < 0.083 | U | < 0.085 | U |
| Nonafluoro-3,6-dioxaheptanoic acid | µg/kg | NC | NC | < 0.068 | U | < 0.076 | U | < 0.088 | U | < 0.074 | U | < 0.071 | U | < 0.073 | U |
| Perfluoro(2-ethoxyethane)sulfonic acid | µg/kg | NC | NC | < 0.072 | U | < 0.081 | U | < 0.093 | U | < 0.078 | U | < 0.075 | U | < 0.077 | U |
| Perfluoro-1-butanesulfonamide (FBSA) | µg/kg | NC | NC | < 0.14 | U | < 0.16 | U | < 0.18 | U | < 0.15 | U | < 0.15 | U | < 0.15 | U |
| Perfluoro-1-hexanesulfonamide (FHxSA) | µg/kg | NC | NC | < 0.13 | U | < 0.15 | U | < 0.17 | U | < 0.14 | U | < 0.14 | U | < 0.14 | U |
| Perfluoro-3-methoxypropanoic acid | µg/kg | NC | NC | < 0.083 | U | < 0.093 | U | < 0.11 | U | < 0.09 | U | < 0.086 | U | < 0.088 | U |
| Perfluoro-4-methoxybutanoic acid | µg/kg | NC | NC | < 0.081 | U | < 0.091 | U | < 0.1 | U | < 0.088 | U | < 0.084 | U | < 0.086 | U |
| Perfluorobutanesulfonic acid (PFBS) | µg/kg | NC | NC | < 0.067 | U | < 0.075 | U | < 0.087 | U | < 0.073 | U | < 0.07 | U | < 0.072 | U |
| Perfluorobutanoic Acid (PFBA) | µg/kg | NC | NC | < 0.059 | U | < 0.066 | U | < 0.076 | U | < 0.064 | U | < 0.061 | U | < 0.062 | U |
| Perfluorodecanesulfonic acid (PFDS) | µg/kg | NC | NC | < 0.1 | U | < 0.11 | U | < 0.13 | U | < 0.11 | U | < 0.11 | U | < 0.11 | U |
| Perfluorodecanoic acid (PFDA) | µg/kg | NC | NC | < 0.057 | U | < 0.063 | U | < 0.073 | U | < 0.061 | U | < 0.059 | U | < 0.06 | U |
| Perfluorododecanoic acid (PFDoA) | µg/kg | NC | NC | < 0.067 | U | < 0.075 | U | < 0.087 | U | < 0.073 | U | < 0.07 | U | < 0.072 | U |
| Perfluoroheptanesulfonic acid (PFHpS) | µg/kg | NC | NC | < 0.13 | U | < 0.15 | U | < 0.17 | U | < 0.14 | U | < 0.14 | U | < 0.14 | U |
| Perfluoroheptanoic acid (PFHpA) | µg/kg | NC | NC | < 0.063 | U | < 0.071 | U | < 0.082 | U | < 0.069 | U | < 0.066 | U | < 0.067 | U |
| Perfluorohexanesulfonic acid (PFHxS) | µg/kg | NC | NC | < 0.07 | U | < 0.079 | U | < 0.091 | U | < 0.076 | U | < 0.073 | U | < 0.075 | U |
| Perfluorohexanoic acid (PFHxA) | µg/kg | NC | NC | < 0.082 | U | < 0.092 | U | < 0.11 | U | < 0.089 | U | < 0.085 | U | < 0.087 | U |
| Perfluorononanesulfonic Acid (PFNS) | µg/kg | NC | NC | < 0.12 | U | < 0.13 | U | < 0.15 | U | < 0.13 | U | < 0.12 | U | < 0.13 | U |
| Perfluorononanoic acid (PFNA) | µg/kg | NC | NC | < 0.072 | U | < 0.081 | U | < 0.093 | U | < 0.078 | U | < 0.075 | U | < 0.077 | U |
| Perfluorooctane Sulfonamide (FOSA) | µg/kg | NC | NC | < 0.086 | U | < 0.096 | U | < 0.11 | U | < 0.093 | U | < 0.089 | U | < 0.091 | U |
| Perfluorooctanesulfonic acid (PFOS) | µg/kg | 0.88 | 8.8 | < 0.059 | U | < 0.067 | U | < 0.077 | U | < 0.065 | U | < 0.062 | U | < 0.063 | U |
| Perfluorooctanoic acid (PFOA) | µg/kg | 0.66 | 6.6 | < 0.12 | U | < 0.14 | U | < 0.16 | U | < 0.14 | U | < 0.13 | U | < 0.13 | U |
| Perfluoropentanesulfonic Acid (PFPeS) | µg/kg | NC | NC | < 0.064 | U | < 0.072 | U | < 0.083 | U | < 0.07 | U | < 0.067 | U | < 0.068 | U |
| Perfluoropentanoic Acid (PFPeA) | µg/kg | NC | NC | < 0.067 | U | < 0.075 | U | < 0.087 | U | < 0.073 | U | < 0.07 | U | < 0.072 | U |
| Perfluorotetradecanoic acid (PFTA) | µg/kg | NC | NC | < 0.084 | U | < 0.094 | U | < 0.11 | U | < 0.091 | U | < 0.087 | U | < 0.089 | U |
| Perfluorotridecanoic Acid (PFTriA/PFTrDA) | µg/kg | NC | NC | < 0.098 | U | < 0.11 | U | < 0.13 | U | < 0.11 | U | < 0.1 | U | < 0.1 | U |
| Perfluoroundecanoic Acid (PFUnA) | µg/kg | NC | NC | < 0.08 | U | < 0.09 | U | < 0.1 | U | < 0.087 | U | < 0.083 | U | < 0.085 | U |

Notes:

¹New York State Department of Environmental Conservation, *Sampling, Analysis, and Assessment of Per- and Polyfluoroalkyl*

Substances (PFAS), November 2022

Sample Type Code: N - Normal, FD -Field Duplicate

µg/kg - microgram per kilogram = parts per billion (ppb)

NC - No criteria currently exists

U - Compound was not detected at the reporting limit shown

J - An estimated value

Bold - Indicates the compound was detected

Highlighted - Indicates the compound was detected above Unrestricted Use guidance value

| | Client Sam Lab Sam Locat | | | ID: 22H1143-48 ID: VL-SB-02 | | 22H12 VL-S | 03 0-21N 218-01 68-03 | VL-SB-03 2-12IN 22H1218-02 VL-SB-03 8/18/2022 | | VL-SB-03 156-168IN 22H1218-03 VL-SB-03 8/18/2022 | | VL-SB-04 0-2IN 22H1143-32 VL-SB-04 8/17/2022 | | VL-SB-04 2-12IN 22H1143-33 VL-SB-04 8/17/2022 | |
|--|--------------------------------|---|--|--------------------------------|------------|---------------|-----------------------------|--|----------|---|------------|---|------------|--|-------------|
| | | | Sample Date: Sample Type Code: | | 72022 N | | /2022 N | | N | | /2022 N | | /2022 N | | //2022 N |
| Analyte | Unit | Unrestricted Use Guidance Value ¹ | Residential Use Guidance Value ¹ | Result | Qualifer | Result | Qualifer | Result | Qualifer | Result | Qualifer | Result | Qualifer | Result | Qualifer |
| 11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid | µg/kg | NC | NC | < 0.14 | 11 | < 0.15 | 11 | < 0.14 | 11 | < 0.13 | П | < 0.19 | U | < 0.17 | Tu |
| 1H,1H, 2H, 2H-Perfluorodecane sulfonic acid | μg/kg | NC | NC | < 0.13 | U | < 0.14 | U | < 0.13 | U | < 0.12 | U | < 0.18 | U | < 0.16 | U |
| 1H.1H. 2H. 2H-Perfluorohexane sulfonic acid | μg/kg | NC | NC | < 0.095 | Ŭ | < 0.1 | Ŭ | < 0.089 | Ű | < 0.086 | U | < 0.13 | Ŭ | < 0.11 | U |
| 1H.1H. 2H. 2H-Perfluorooctane sulfonic acid | μg/kg | NC | NC | < 0.12 | Ŭ | < 0.12 | Ŭ | < 0.11 | Ű | < 0.11 | U | < 0.16 | Ŭ | < 0.14 | U |
| 4.8-Dioxa-3H-perfluorononanoic acid (ADONA) | μg/kg | NC | NC | < 0.17 | Ũ | < 0.17 | U | < 0.15 | Ű | < 0.15 | U | < 0.22 | Ŭ | < 0.2 | U |
| 9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid | μg/kg | NC | NC | < 0.13 | U | < 0.14 | U | < 0.12 | U | < 0.12 | U | < 0.17 | U | < 0.15 | U |
| Hexafluoropropylene oxide dimer acid (HFPO-DA) | μg/kg | NC | NC | < 0.25 | U | < 0.26 | U | < 0.23 | U | < 0.23 | U | < 0.33 | U | < 0.29 | U |
| N-deuterioethylperfluoro-1-octanesulfonamidoacetic acid | μg/kg | NC | NC | < 0.15 | U | < 0.15 | U | < 0.14 | U | < 0.13 | U | < 0.19 | U | < 0.17 | U |
| N-deuteriomethylperfluoro-1-octanesulfonamidoacetic acid | µg/kg | NC | NC | < 0.094 | U | < 0.099 | U | < 0.088 | U | < 0.085 | U | < 0.12 | U | < 0.11 | U |
| Nonafluoro-3,6-dioxaheptanoic acid | µg/kg | NC | NC | < 0.08 | U | < 0.084 | U | < 0.075 | U | < 0.073 | U | < 0.11 | U | < 0.095 | U |
| Perfluoro(2-ethoxyethane)sulfonic acid | µg/kg | NC | NC | < 0.085 | U | < 0.089 | U | < 0.08 | U | < 0.077 | U | < 0.11 | U | < 0.1 | U |
| Perfluoro-1-butanesulfonamide (FBSA) | µg/kg | NC | NC | < 0.16 | U | < 0.17 | U | < 0.15 | U | < 0.15 | U | < 0.22 | U | < 0.19 | U |
| Perfluoro-1-hexanesulfonamide (FHxSA) | µg/kg | NC | NC | < 0.16 | U | < 0.16 | U | < 0.15 | U | < 0.14 | U | < 0.21 | U | < 0.18 | U |
| Perfluoro-3-methoxypropanoic acid | µg/kg | NC | NC | < 0.098 | U | < 0.1 | U | < 0.091 | U | < 0.089 | U | < 0.13 | U | < 0.12 | U |
| Perfluoro-4-methoxybutanoic acid | µg/kg | NC | NC | < 0.095 | U | < 0.1 | U | < 0.089 | U | < 0.086 | U | < 0.13 | U | < 0.11 | U |
| Perfluorobutanesulfonic acid (PFBS) | µg/kg | NC | NC | < 0.079 | U | < 0.083 | U | < 0.074 | U | < 0.072 | U | < 0.1 | U | < 0.094 | U |
| Perfluorobutanoic Acid (PFBA) | µg/kg | NC | NC | < 0.069 | U | < 0.072 | U | < 0.065 | U | < 0.063 | U | < 0.091 | U | < 0.082 | U |
| Perfluorodecanesulfonic acid (PFDS) | µg/kg | NC | NC | < 0.12 | U | < 0.13 | U | < 0.11 | U | < 0.11 | U | < 0.16 | U | < 0.14 | U |
| Perfluorodecanoic acid (PFDA) | µg/kg | NC | NC | < 0.067 | U | < 0.07 | U | < 0.062 | U | < 0.06 | U | < 0.088 | U | < 0.079 | U |
| Perfluorododecanoic acid (PFDoA) | µg/kg | NC | NC | < 0.079 | U | < 0.083 | U | < 0.074 | U | < 0.072 | U | < 0.1 | U | < 0.094 | U |
| Perfluoroheptanesulfonic acid (PFHpS) | μg/kg | NC | NC | < 0.15 | U | < 0.16 | U | < 0.15 | U | < 0.14 | U | < 0.2 | U | < 0.18 | U |
| Perfluoroheptanoic acid (PFHpA) | μg/kg | NC | NC | < 0.075 | U | < 0.078 | U | < 0.07 | U | < 0.068 | U | < 0.098 | U | < 0.088 | U |
| Perfluorohexanesulfonic acid (PFHxS) | µg/kg | NC | NC | < 0.083 | U | < 0.087 | U | < 0.077 | U | < 0.075 | U | < 0.11 | U | < 0.098 | U |
| Perfluorohexanoic acid (PFHxA) | µg/kg | NC | NC | < 0.096 | U | < 0.1 | U | < 0.09 | U | < 0.088 | U | 0.23 | J | < 0.11 | U |
| Perfluorononanesulfonic Acid (PFNS) | µg/kg | NC | NC | < 0.14 | U | < 0.15 | U | < 0.13 | U | < 0.13 | U | < 0.18 | U | < 0.17 | U |
| Perfluorononanoic acid (PFNA) | μg/kg | NC | NC | < 0.085 | U | < 0.089 | U | < 0.08 | U | < 0.077 | U | < 0.11 | U | < 0.1 | U |
| Perfluorooctane Sulfonamide (FOSA) | μg/kg | NC | NC | < 0.1 | U | < 0.11 | U | < 0.095 | U | < 0.092 | U | < 0.13 | U | < 0.12 | U |
| Perfluorooctanesulfonic acid (PFOS) | μg/kg | 0.88 | 8.8 | < 0.07 | U | 0.083 | J | < 0.066 | U | < 0.064 | U | < 0.092 | U | 0.083 | i J |
| Perfluorooctanoic acid (PFOA) | μg/kg | 0.66 | 6.6 | < 0.15 | U | < 0.15 | U | 2 | | 2.5 | | < 0.19 | U | < 0.17 | U |
| Perfluoropentanesulfonic Acid (PFPeS) | μg/kg | NC | NC | < 0.076 | U | < 0.079 | U | < 0.071 | U | < 0.069 | U | < 0.1 | U | < 0.09 | U |
| Perfluoropentanoic Acid (PFPeA) | μg/kg | NC | NC | < 0.079 | U | < 0.083 | U | < 0.074 | U | < 0.072 | U | < 0.1 | U | < 0.094 | U |
| Perfluorotetradecanoic acid (PFTA) | μg/kg | NC | NC | < 0.099 | U | < 0.1 | U | < 0.093 | U | < 0.09 | U | < 0.13 | U | < 0.12 | U |
| Perfluorotridecanoic Acid (PFTriA/PFTrDA) | μg/kg | NC | NC | < 0.12 | U | < 0.12 | U | < 0.11 | U | < 0.11 | U | < 0.15 | U | < 0.14 | U |
| Perfluoroundecanoic Acid (PFUnA) | μg/kg | NC | NC | < 0.094 | U | < 0.099 | U | < 0.088 | U | < 0.085 | U | < 0.12 | U | < 0.11 | U |

Notes:

¹New York State Department of Environmental Conservation, *Sampling, Analysis, and Assessment of Per- and Polyfluoroalkyl*

Substances (PFAS), November 2022

Sample Type Code: N - Normal, FD -Field Duplicate

µg/kg - microgram per kilogram = parts per billion (ppb)

NC - No criteria currently exists

U - Compound was not detected at the reporting limit shown

J - An estimated value

Bold - Indicates the compound was detected

Highlighted - Indicates the compound was detected above Unrestricted Use guidance value

| | | | Client Sample ID: | | 120-132IN | | 05 0-21N | | 05 2-12IN | | 168-180IN | - | 06 0-21N | | -06 2-12IN |
|--|-------|-----------------------------|-----------------------------|---------|-----------|---------|-----------|---------|-----------|---------|-----------|---------|----------|---------|------------|
| | | | Lab Sample ID: | | 143-34 | | 143-43 | | 143-44 | | 143-45 | | 143-35 | | 1143-36 |
| | | | Location ID: | | SB-04 | | SB-05 | | SB-05 | | SB-05 | | SB-06 | | -SB-06 |
| | | | Sample Date: | 8/17 | /2022 | 8/17 | /2022 | | 7/2022 | | 7/2022 | | /2022 | 8/1 | 7/2022 |
| | | | Sample Type Code: | | N | | N | | Ν | | Ν | | N | | N |
| Analyte | Unit | Unrestricted Use | Residential Use | Result | Qualifer | Result | Qualifer | Result | Qualifer | Result | Qualifer | Result | Qualifer | Result | Qualifer |
| Analyte | Unit | Guidance Value ¹ | Guidance Value ¹ | Result | Qualifier | Result | Qualifier | Result | Qualifier | Result | Qualifier | Result | Qualiter | Result | Qualifier |
| 11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid | µg/kg | NC | NC | < 0.15 | U | < 0.13 | U | < 0.13 | U | < 0.13 | U | < 0.17 | U | < 0.16 | U |
| 1H,1H, 2H, 2H-Perfluorodecane sulfonic acid | µg/kg | NC | NC | < 0.14 | U | < 0.12 | U | < 0.12 | U | < 0.12 | U | < 0.16 | U | < 0.15 | U |
| 1H,1H, 2H, 2H-Perfluorohexane sulfonic acid | µg/kg | NC | NC | < 0.096 | U | < 0.084 | U | < 0.087 | U | < 0.088 | U | < 0.11 | U | < 0.11 | U |
| 1H,1H, 2H, 2H-Perfluorooctane sulfonic acid | µg/kg | NC | NC | < 0.12 | U | < 0.1 | U | < 0.11 | U | < 0.11 | U | < 0.14 | U | < 0.13 | U |
| 4,8-Dioxa-3H-perfluorononanoic acid (ADONA) | µg/kg | NC | NC | < 0.17 | U | < 0.15 | U | < 0.15 | U | < 0.15 | U | < 0.19 | U | < 0.19 | U |
| 9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid | µg/kg | NC | NC | < 0.13 | U | < 0.11 | U | < 0.12 | U | < 0.12 | U | < 0.15 | U | < 0.15 | U |
| Hexafluoropropylene oxide dimer acid (HFPO-DA) | µg/kg | NC | NC | < 0.25 | U | < 0.22 | U | < 0.23 | U | < 0.23 | U | < 0.29 | U | < 0.28 | U |
| N-deuterioethylperfluoro-1-octanesulfonamidoacetic acid | µg/kg | NC | NC | < 0.15 | U | < 0.13 | U | < 0.13 | U | < 0.14 | U | < 0.17 | U | < 0.16 | U |
| N-deuteriomethylperfluoro-1-octanesulfonamidoacetic acid | µg/kg | NC | NC | < 0.095 | U | < 0.083 | U | < 0.086 | U | < 0.087 | U | < 0.11 | U | < 0.11 | U |
| Nonafluoro-3,6-dioxaheptanoic acid | µg/kg | NC | NC | < 0.081 | U | < 0.071 | U | < 0.074 | U | < 0.074 | U | < 0.094 | U | < 0.091 | U |
| Perfluoro(2-ethoxyethane)sulfonic acid | µg/kg | NC | NC | < 0.085 | U | < 0.075 | U | < 0.078 | U | < 0.079 | U | < 0.099 | U | < 0.096 | U |
| Perfluoro-1-butanesulfonamide (FBSA) | µg/kg | NC | NC | < 0.17 | U | < 0.15 | U | < 0.15 | U | < 0.15 | U | < 0.19 | U | < 0.19 | U |
| Perfluoro-1-hexanesulfonamide (FHxSA) | µg/kg | NC | NC | < 0.16 | U | < 0.14 | U | < 0.14 | U | < 0.14 | U | < 0.18 | U | < 0.18 | U |
| Perfluoro-3-methoxypropanoic acid | µg/kg | NC | NC | < 0.098 | U | < 0.086 | U | < 0.089 | U | < 0.09 | U | < 0.11 | U | < 0.11 | U |
| Perfluoro-4-methoxybutanoic acid | µg/kg | NC | NC | < 0.096 | U | < 0.084 | U | < 0.087 | U | < 0.088 | U | < 0.11 | U | < 0.11 | U |
| Perfluorobutanesulfonic acid (PFBS) | µg/kg | NC | NC | < 0.08 | U | < 0.07 | U | < 0.073 | U | < 0.073 | U | < 0.093 | U | < 0.09 | U |
| Perfluorobutanoic Acid (PFBA) | µg/kg | NC | NC | < 0.069 | U | < 0.061 | U | < 0.063 | U | < 0.064 | U | < 0.081 | U | < 0.078 | U |
| Perfluorodecanesulfonic acid (PFDS) | µg/kg | NC | NC | < 0.12 | U | < 0.11 | U | < 0.11 | U | < 0.11 | U | < 0.14 | U | < 0.14 | U |
| Perfluorodecanoic acid (PFDA) | µg/kg | NC | NC | < 0.067 | U | < 0.059 | U | < 0.061 | U | < 0.062 | U | < 0.078 | U | < 0.075 | U |
| Perfluorododecanoic acid (PFDoA) | µg/kg | NC | NC | < 0.08 | U | < 0.07 | U | < 0.073 | U | < 0.073 | U | < 0.093 | U | < 0.09 | U |
| Perfluoroheptanesulfonic acid (PFHpS) | µg/kg | NC | NC | < 0.16 | U | < 0.14 | U | < 0.14 | U | < 0.14 | U | < 0.18 | U | < 0.18 | U |
| Perfluoroheptanoic acid (PFHpA) | µg/kg | NC | NC | < 0.075 | U | < 0.066 | U | < 0.068 | U | < 0.069 | U | < 0.087 | U | < 0.084 | U |
| Perfluorohexanesulfonic acid (PFHxS) | µg/kg | NC | NC | < 0.083 | U | < 0.073 | U | < 0.076 | U | < 0.077 | U | < 0.097 | U | < 0.094 | U |
| Perfluorohexanoic acid (PFHxA) | µg/kg | NC | NC | < 0.097 | U | < 0.085 | U | < 0.088 | U | < 0.089 | U | < 0.11 | U | < 0.11 | U |
| Perfluorononanesulfonic Acid (PFNS) | µg/kg | NC | NC | < 0.14 | U | < 0.12 | U | < 0.13 | U | < 0.13 | U | < 0.16 | U | < 0.16 | U |
| Perfluorononanoic acid (PFNA) | µg/kg | NC | NC | < 0.085 | U | < 0.075 | U | < 0.078 | U | < 0.079 | U | < 0.099 | U | < 0.096 | U |
| Perfluorooctane Sulfonamide (FOSA) | µg/kg | NC | NC | < 0.1 | U | < 0.09 | U | < 0.093 | U | < 0.094 | U | < 0.12 | U | < 0.11 | U |
| Perfluorooctanesulfonic acid (PFOS) | µg/kg | 0.88 | 8.8 | < 0.07 | U | < 0.062 | U | < 0.064 | U | < 0.065 | U | < 0.082 | U | < 0.079 | U |
| Perfluorooctanoic acid (PFOA) | µg/kg | 0.66 | 6.6 | < 0.15 | U | < 0.13 | U | < 0.13 | U | < 0.14 | U | < 0.17 | U | < 0.17 | U |
| Perfluoropentanesulfonic Acid (PFPeS) | µg/kg | NC | NC | < 0.076 | U | < 0.067 | U | < 0.069 | U | < 0.07 | U | < 0.089 | U | < 0.086 | U |
| Perfluoropentanoic Acid (PFPeA) | µg/kg | NC | NC | < 0.08 | U | < 0.07 | U | < 0.073 | U | < 0.073 | U | < 0.093 | U | < 0.09 | U |
| Perfluorotetradecanoic acid (PFTA) | µg/kg | NC | NC | < 0.099 | U | < 0.087 | U | < 0.09 | U | < 0.091 | U | < 0.12 | U | < 0.11 | U |
| Perfluorotridecanoic Acid (PFTriA/PFTrDA) | µg/kg | NC | NC | < 0.12 | U | < 0.1 | U | < 0.11 | U | < 0.11 | U | < 0.14 | U | < 0.13 | U |
| Perfluoroundecanoic Acid (PFUnA) | µg/kg | NC | NC | < 0.095 | U | < 0.083 | U | < 0.086 | U | < 0.087 | U | < 0.11 | U | < 0.11 | U |

Notes:

¹New York State Department of Environmental Conservation, *Sampling, Analysis, and Assessment of Per- and Polyfluoroalkyl*

Substances (PFAS), November 2022

Sample Type Code: N - Normal, FD -Field Duplicate

µg/kg - microgram per kilogram = parts per billion (ppb)

NC - No criteria currently exists

U - Compound was not detected at the reporting limit shown

J - An estimated value

Bold - Indicates the compound was detected

Highlighted - Indicates the compound was detected above Unrestricted Use guidance value

| | | | Client Sample ID: | VL-SB-0 |)6 84-96IN | VL-SB- | 07 0-21N | VL-SB-0 |)7 2-12IN | VL-SB-07 | 156-165IN |
|--|------------------|-----------------------------|-----------------------------|---------|------------|---------|----------|---------|-----------|----------|-----------|
| | | | Lab Sample ID: | 22H1 | 143-37 | 22H1 | 143-40 | 22H1 | 143-41 | 22H1 | 143-42 |
| | | | Location ID: | VL- | SB-06 | VL- | SB-07 | VL-S | SB-07 | VL- | SB-07 |
| | | | Sample Date: | 8/17 | 7/2022 | 8/17 | /2022 | 8/17 | /2022 | 8/17 | 7/2022 |
| | | | Sample Type Code: | | N | | N | | N | | N |
| | | Unrestricted Use | Residential Use | | | | | | | | |
| Analyte | Unit | Guidance Value ¹ | Guidance Value ¹ | Result | Qualifer | Result | Qualifer | Result | Qualifer | Result | Qualifer |
| 11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid | μg/kg | NC | NC | < 0.13 | П | < 0.14 | U | < 0.14 | U | < 0.14 | U |
| 1H.1H. 2H. 2H-Perfluorodecane sulfonic acid | μg/kg | NC | NC | < 0.12 | U | < 0.13 | U | < 0.13 | U | < 0.13 | U |
| 1H.1H. 2H. 2H-Perfluorohexane sulfonic acid | μg/kg | NC | NC | < 0.086 | U | < 0.091 | U | < 0.095 | U U | < 0.09 | U |
| 1H.1H. 2H. 2H-Perfluorooctane sulfonic acid | μg/kg | NC | NC | < 0.11 | Ŭ | < 0.11 | U | < 0.12 | U | < 0.11 | Ŭ |
| 4,8-Dioxa-3H-perfluorononanoic acid (ADONA) | µg/kg | NC | NC | < 0.15 | Ŭ | < 0.16 | U | < 0.17 | U | < 0.16 | Ŭ |
| 9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid | μg/kg | NC | NC | < 0.12 | Ŭ | < 0.12 | U | < 0.13 | U | < 0.12 | Ŭ |
| Hexafluoropropylene oxide dimer acid (HFPO-DA) | μg/kg | NC | NC | < 0.22 | Ŭ | < 0.24 | ũ | < 0.25 | Ŭ. | < 0.24 | Ŭ |
| N-deuterioethylperfluoro-1-octanesulfonamidoacetic acid | μg/kg | NC | NC | < 0.13 | U | < 0.14 | U | < 0.15 | U | < 0.14 | U |
| N-deuteriomethylperfluoro-1-octanesulfonamidoacetic acid | μg/kg | NC | NC | < 0.085 | U | < 0.09 | U | < 0.094 | U. | < 0.089 | U |
| Nonafluoro-3,6-dioxaheptanoic acid | μg/kg | NC | NC | < 0.072 | U | < 0.077 | U | < 0.08 | U | < 0.076 | U |
| Perfluoro(2-ethoxyethane)sulfonic acid | μg/kg | NC | NC | < 0.076 | Ŭ | < 0.081 | ũ | < 0.085 | Ŭ. | < 0.081 | u - |
| Perfluoro-1-butanesulfonamide (FBSA) | μg/kg | NC | NC | < 0.15 | U | < 0.16 | U | < 0.16 | U U | < 0.16 | U U |
| Perfluoro-1-hexanesulfonamide (FHxSA) | μg/kg | NC | NC | < 0.14 | U | < 0.15 | U | < 0.16 | U U | < 0.15 | U U |
| Perfluoro-3-methoxypropanoic acid | μg/kg | NC | NC | < 0.088 | 11 | < 0.093 | 0 | < 0.098 | 0 | < 0.093 | U |
| Perfluoro-4-methoxybitanoic acid | μg/kg | NC | NC | < 0.086 | U | < 0.091 | U | < 0.095 | U | < 0.09 | U U |
| Perfluorobutanesulfonic acid (PFBS) | μg/kg | NC | NC | < 0.071 | 11 | < 0.076 | U | < 0.079 | U U | < 0.075 | U U |
| Perfluorobutanoic Acid (PFBA) | μg/kg | NC | NC | < 0.062 | U | < 0.066 | U | < 0.069 | U U | < 0.065 | U |
| Perfluorodecanesulfonic acid (PFDS) | μg/kg | NC | NC | < 0.11 | U | < 0.11 | U | < 0.12 | U U | < 0.11 | U |
| Perfluorodecanoic acid (PFDA) | μg/kg | NC | NC | < 0.06 | U | < 0.063 | U | < 0.067 | U U | < 0.063 | U |
| Perfluorododecanoic acid (PFDoA) | μg/kg | NC | NC | < 0.071 | U | < 0.076 | U | < 0.079 | U | < 0.075 | U |
| Perfluoroheptanesulfonic acid (PFHpS) | μg/kg | NC | NC | < 0.14 | Ŭ | < 0.15 | U | < 0.16 | U. | < 0.15 | U |
| Perfluoroheptanoic acid (PFHpA) | μg/kg | NC | NC | < 0.067 | Ŭ | < 0.071 | ũ | < 0.075 | Ŭ. | < 0.071 | u. |
| Perfluorohexanesulfonic acid (PFHxS) | µg/kg | NC | NC | < 0.074 | Ŭ | < 0.079 | ũ | < 0.083 | Ŭ. | < 0.078 | Ŭ |
| Perfluorohexanoic acid (PFHxA) | µg/kg | NC | NC | < 0.087 | Ŭ | < 0.092 | ũ | < 0.097 | Ŭ. | < 0.091 | u. |
| Perfluorononanesulfonic Acid (PFNS) | µg/kg | NC | NC | < 0.13 | Ŭ | < 0.13 | ũ | < 0.14 | Ŭ | < 0.13 | Ŭ |
| Perfluorononanoic acid (PFNA) | µg/kg | NC | NC | < 0.076 | U | < 0.081 | Ú. | < 0.085 | Ū. | < 0.081 | Ū. |
| Perfluorooctane Sulfonamide (FOSA) | μg/kg | NC | NC | < 0.091 | U | < 0.096 | U | < 0.1 | U | < 0.096 | Ū. |
| Perfluorooctanesulfonic acid (PFOS) | μg/kg | 0.88 | 8.8 | < 0.063 | Ŭ | < 0.067 | U | < 0.07 | U | < 0.066 | Ŭ |
| Perfluorooctanoic acid (PFOA) | µg/kg | 0.66 | 6.6 | < 0.13 | Ŭ | < 0.14 | U | < 0.15 | U | < 0.14 | Ŭ |
| Perfluoropentanesulfonic Acid (PFPeS) | μg/kg | NC | NC | < 0.068 | U | < 0.072 | U | < 0.076 | U | < 0.072 | U |
| Perfluoropentanoic Acid (PFPeA) | μg/kg | NC | NC | < 0.071 | U | < 0.072 | U | < 0.079 | U | < 0.075 | U |
| Perfluorotetradecanoic acid (PFTA) | μg/kg | NC | NC | < 0.089 | U | < 0.094 | U | < 0.099 | U | < 0.094 | U |
| Perfluorotridecanoic Acid (PFTriA/PFTrDA) | μg/kg | NC | NC | < 0.1 | U | < 0.11 | U | < 0.12 | U | < 0.11 | Ŭ |
| Perfluoroundecanoic Acid (PFUnA) | µg/kg | NC | NC | < 0.085 | U | < 0.09 | U | < 0.094 | U | < 0.089 | Ŭ |
| Notes: | 110/18 | | | | | | | | | | 4 |
| ¹ New York State Department of Environmental Conservation, Sampling Substances (PFAS), November 2022 Sample Type Code: N - Normal, FD -Field Duplicate µg/kg - microgram per kilogram = parts per billion (ppb) NC - No criteria currently exists | ı, Analysis, and | Assessment of Per- an | d Polyfluoroalkyl | | | | | | | | |
| U - Compound was not detected at the reporting limit shown | | | | | | | | | | | |
| L An estimated value | | | | | | | | | | | |

J - An estimated value

Bold - Indicates the compound was detected

Highlighted - Indicates the compound was detected above Unrestricted Use guidance value

Table 4 Valente Lumber Yard Sediment, PFAS Results

| | Clie | ent Sample ID: | VL-SED-01 | 20220817 | DU | PE-2 | VL-SED-02 | 2 20220817 |
|--|-------|-------------------------|-----------|-----------|---------|-----------|-----------|------------|
| | L | ab Sample ID: | 22H1: | 143-31 | 22H1: | 143-29 | 22H1 | 143-39 |
| | | Location ID: | VL-SI | ED-01 | VL-SI | ED-01 | VL-S | ED-02 |
| | | Sample Date: | 8/17 | /2022 | 8/17 | /2022 | 8/17 | /2022 |
| | Samp | le Type Code: | I | N | F | D | | N |
| | | NYSDEC | | | | | | o 116 |
| Analyte | Unit | Guidelines ¹ | Result | Qualifier | Result | Qualifier | Result | Qualifier |
| 11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid | µg/kg | NC | < 0.15 | U | < 0.16 | U | < 0.36 | U |
| 1H,1H, 2H, 2H-Perfluorodecane sulfonic acid | µg/kg | NC | < 0.14 | U | < 0.14 | U | < 0.33 | U |
| 1H,1H, 2H, 2H-Perfluorohexane sulfonic acid | µg/kg | NC | < 0.097 | U | < 0.1 | U | < 0.23 | U |
| 1H,1H, 2H, 2H-Perfluorooctane sulfonic acid | µg/kg | NC | < 0.12 | U | < 0.13 | U | < 0.29 | U |
| 4,8-Dioxa-3H-perfluorononanoic acid (ADONA) | µg/kg | NC | < 0.17 | U | < 0.18 | U | < 0.41 | U |
| 9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid | μg/kg | NC | < 0.13 | U | < 0.14 | U | < 0.32 | U |
| Hexafluoropropylene oxide dimer acid (HFPO-DA) | µg/kg | NC | < 0.25 | U | < 0.27 | U | < 0.61 | U |
| N-deuterioethylperfluoro-1-octanesulfonamidoacetic acid | µg/kg | NC | < 0.15 | U | < 0.16 | U | < 0.36 | U |
| N-deuteriomethylperfluoro-1-octanesulfonamidoacetic acid | µg/kg | NC | < 0.096 | U | < 0.1 | U | < 0.23 | U |
| Nonafluoro-3,6-dioxaheptanoic acid | µg/kg | NC | < 0.082 | U | < 0.087 | U | < 0.2 | U |
| Perfluoro(2-ethoxyethane)sulfonic acid | µg/kg | NC | < 0.087 | U | < 0.091 | U | < 0.21 | U |
| Perfluoro-1-butanesulfonamide (FBSA) | µg/kg | NC | < 0.17 | U | < 0.18 | U | < 0.4 | U |
| Perfluoro-1-hexanesulfonamide (FHxSA) | µg/kg | NC | < 0.16 | U | < 0.17 | U | < 0.38 | U |
| Perfluoro-3-methoxypropanoic acid | µg/kg | NC | < 0.1 | U | < 0.11 | U | < 0.24 | U |
| Perfluoro-4-methoxybutanoic acid | µg/kg | NC | < 0.097 | U | < 0.1 | U | < 0.23 | U |
| Perfluorobutanesulfonic acid (PFBS) | µg/kg | NC | < 0.081 | U | < 0.085 | U | < 0.19 | U |
| Perfluorobutanoic Acid (PFBA) | µg/kg | NC | < 0.07 | U | < 0.074 | U | < 0.17 | U |
| Perfluorodecanesulfonic acid (PFDS) | µg/kg | NC | < 0.12 | U | < 0.13 | U | < 0.3 | U |
| Perfluorodecanoic acid (PFDA) | µg/kg | NC | < 0.068 | U | < 0.072 | U | < 0.16 | U |
| Perfluorododecanoic acid (PFDoA) | µg/kg | NC | < 0.081 | U | < 0.085 | U | < 0.19 | U |
| Perfluoroheptanesulfonic acid (PFHpS) | µg/kg | NC | < 0.16 | U | < 0.17 | U | < 0.38 | U |
| Perfluoroheptanoic acid (PFHpA) | µg/kg | NC | < 0.076 | U | < 0.08 | U | < 0.18 | U |
| Perfluorohexanesulfonic acid (PFHxS) | µg/kg | NC | < 0.084 | U | < 0.089 | U | < 0.2 | U |
| Perfluorohexanoic acid (PFHxA) | µg/kg | NC | < 0.098 | U | < 0.1 | U | < 0.24 | U |
| Perfluorononanesulfonic Acid (PFNS) | µg/kg | NC | < 0.14 | U | < 0.15 | U | < 0.34 | U |
| Perfluorononanoic acid (PFNA) | µg/kg | NC | < 0.087 | U | < 0.091 | U | < 0.21 | U |
| Perfluorooctane Sulfonamide (FOSA) | µg/kg | NC | < 0.1 | U | < 0.11 | U | < 0.25 | U |
| Perfluorooctanesulfonic acid (PFOS) | µg/kg | NC | 0.072 | 1 | 0.14 | 1 | < 0.17 | U |
| Perfluorooctanoic acid (PFOA) | µg/kg | NC | < 0.15 | U | < 0.16 | U | < 0.36 | U |
| Perfluoropentanesulfonic Acid (PFPeS) | µg/kg | NC | < 0.077 | U | < 0.082 | U | < 0.19 | U |
| Perfluoropentanoic Acid (PFPeA) | µg/kg | NC | < 0.081 | U | < 0.085 | U | < 0.19 | U |
| Perfluorotetradecanoic acid (PFTA) | µg/kg | NC | < 0.1 | U | < 0.11 | U | < 0.24 | U |
| Perfluorotridecanoic Acid (PFTriA/PFTrDA) | µg/kg | NC | < 0.12 | U | < 0.12 | U | < 0.29 | U |
| Perfluoroundecanoic Acid (PFUnA) | µg/kg | NC | < 0.096 | U | < 0.1 | U | < 0.23 | U |

Notes:

¹New York State Department of Environmental Conservation, *Sampling, Analysis, and Assessment of Per- and Polyfluoroalkyl Substances (PFAS),* November 2022

Sample Type Code: N - Normal, FD -Field Duplicate

µg/kg - microgram per kilogram = parts per billion (ppb)

NC - No criteria currently exists

U - Compound was not detected at the reporting limit shown

J - An estimated value

Bold - Indicates the compound was detected

Table 5 Valente Lumber Yard Surface Water, PFAS Results

| Clie | nt Sample ID: | VL-SW-01 | 20220817 | DUI | PE-1 | VL-SW-02 | 20220817 |
|-------|---|--|--|--|--|---|--|
| La | ab Sample ID: | 22H11 | L43-30 | 22H11 | 143-28 | 22H1: | L43-38 |
| | Location ID: | VL-S | W-01 | VL-S | W-01 | VL-S | W-02 |
| : | Sample Date: | 17 Au | g 2022 | 17 Au | g 2022 | 17 Au | g 2022 |
| Sampl | e Type Code: | 1 | N | F | D | I I | N |
| Unit | NYSDEC Guidelines ¹ | Result | Qualifier | Result | Qualifier | Result | Qualifier |
| ng/L | NC | < 0.58 | U | < 0.58 | U | < 1.3 | U |
| ng/L | NC | < 0.55 | U | < 0.55 | U | < 1.3 | U |
| ng/L | NC | < 0.26 | U | < 0.25 | U | < 0.58 | U |
| ng/L | NC | < 0.33 | U | < 0.33 | U | < 0.75 | U |
| ng/L | NC | < 0.32 | U | < 0.31 | U | < 0.72 | U |
| ng/L | NC | < 0.35 | U | < 0.35 | U | < 0.8 | U |
| ng/L | NC | < 0.22 | U | < 0.22 | U | < 0.49 | U |
| ng/L | NC | < 0.57 | U | < 0.57 | U | < 1.3 | U |
| ng/L | NC | < 0.69 | U | < 0.69 | U | < 1.6 | U |
| ng/L | NC | < 0.25 | U | < 0.25 | U | < 0.57 | U |
| ng/L | NC | < 0.21 | U | < 0.21 | U | 1.7 | l |
| ng/L | NC | 0.25 | J | 0.24 | J | < 0.39 | U |
| ng/L | NC | < 0.28 | U | < 0.28 | U | < 0.64 | U |
| ng/L | NC | < 0.38 | U | < 0.38 | U | < 0.86 | U |
| ng/L | NC | < 0.31 | U | < 0.31 | U | < 0.71 | U |
| ng/L | NC | 6.4 | | 6.2 | | 3.9 | l |
| ng/L | NC | 5.3 | | 6 | | < 1.5 | U |
| ng/L | NC | < 0.3 | U | < 0.29 | U | < 0.67 | U |
| ng/L | NC | < 0.45 | U | 0.46 | J | < 1 | U |
| ng/L | NC | < 0.4 | U | < 0.4 | U | < 0.91 | U |
| ng/L | NC | < 0.85 | U | < 0.85 | U | < 1.9 | U |
| ng/L | NC | 3.5 | | 3.3 | | < 0.71 | U |
| ng/L | NC | 1.9 | | 2.000 | | < 0.7 | U |
| ng/L | NC | < 0.35 | U | < 0.35 | U | 16 | |
| ng/L | NC | < 0.15 | U | < 0.15 | U | < 0.35 | U |
| ng/L | NC | 1.3 | 1 | 1.3 | l | < 0.71 | U |
| ng/L | NC | < 0.38 | U | < 0.38 | U | < 0.87 | U |
| ng/L | 10 | 21 | | 24 | | 4.1 | l |
| ng/L | 10 | 14 | | 14 | | 12 | |
| ng/L | NC | < 0.23 | U | 0.39 | J | < 0.53 | U |
| ng/L | NC | 6.4 | | 6.6 | | < 0.81 | U |
| ng/L | NC | < 0.33 | U | < 0.33 | U | < 0.76 | U |
| | | | | 1 | | 1 | |
| ng/L | NC | < 0.25 | U | < 0.25 | U | < 0.57 | U |
| | La Sampl Unit ng/L ng/L ng/L ng/L ng/L ng/L ng/L ng/L | Sample Date: Sample Type Code: Guidelines ¹ ng/L NC ng/L NC | Lab Sample ID: 22H11 Location ID: VL-S Sample Date: 17 Au Sample Type Code: 17 Au Sample Date: 17 Au Sample Type Code: 17 Au Ing/L NYSDEC Result ng/L NC <0.58 | Lab Sample ID: $22H1143-30$ Location ID: VL-SW-01 Sample Date: 17 Aug 2022 Sample Type Code: N unit NYSDEC Guidelines ¹ Result Qualifier ng/L NC <0.58 | Lab Sample ID: 22H1143-30 22H1: Location ID: VL-SW-01 VL-S Sample Date: 17 Aug 2022 17 Aug Sample Type Code: N F unit NYSDEC Guidelines ¹ Result Qualifier Result ng/L NC < 0.58 | Lab Sample ID: 22H1143-30 22H1143-28 Location ID: VL-SW-01 VL-SW-01 Sample Type Code: N FD Unit NYSDEC Guidelines ¹ Result Qualifier Result Qualifier ng/L NC <0.58 | Lab Sample ID: 22H1143-30 22H1143-28 22H11 Location ID: VL-SW-01 VL-SW-01 VL-S Sample Date: 17 Aug 2022 17 Aug 2022 17 Aug 2022 17 Aug 2022 Unit NYSDEC Result Qualifier FD N Ing/L NC <0.58 |

Notes:

¹New York State Department of Environmental Conservation, *Sampling, Analysis, and Assessment of Per- and Polyfluoroalkyl Substances* (*PFAS*), November 2022

Sample Type Code: N - Normal, FD -Field Duplicate

ng/L - nanogram per liter = parts per trillion (ppt)

NC - No criteria currently exists

U - Compound was not detected at the reporting limit shown

J - An estimated value

Bold - Indicates the compound was detected

Table 6A Valente Lumber Yard Groundwater, PFAS Results

| | | Client Sample ID: | VL-OW-01 | -20220921 | VL-OW-02 | -20220921 | VL-OW-03 | -20220921 |
|---|------|--------------------------------|----------|-----------|----------|-----------|----------|-----------|
| | | Lab Sample ID: | 480-20 | 1885-1 | 480-20 | 1885-2 | 480-20 |)1885-3 |
| | | Location ID: | VL-O | W-01 | VL-O | W-02 | VL-C | W-03 |
| | | Sample Date: | 9/21 | /2022 | 9/21, | /2022 | 9/21 | /2022 |
| | | Sample Type Code: | | N | 1 | N | | N |
| Analyte | Unit | NYSDEC Guidelines ¹ | Result | Qualifier | Result | Qualifier | Result | Qualifier |
| 1H,1H, 2H, 2H-Perfluorodecane sulfonic acid | ng/L | NC | < 9.7 | U | < 1.8 | U | < 1.8 | U |
| 1H,1H, 2H, 2H-Perfluorooctane sulfonic acid | ng/L | NC | < 24 | U | < 4.5 | U | < 4.6 | U |
| N-ethyl perfluorooctanesulfonamidoacetic acid | ng/L | NC | < 24 | U | < 4.5 | U | < 4.6 | U |
| N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA) | ng/L | NC | < 24 | U | < 4.5 | U | < 4.6 | U |
| Perfluorobutanesulfonic acid (PFBS) | ng/L | NC | < 9.7 | U | 0.76 | J | < 1.8 | U |
| Perfluorobutanoic Acid (PFBA) | ng/L | NC | < 24 | U | 5.9 | | 1.9 | 1 |
| Perfluorodecanesulfonic acid (PFDS) | ng/L | NC | < 9.7 | U | < 1.8 | U | < 1.8 | U |
| Perfluorodecanoic acid (PFDA) | ng/L | NC | < 9.7 | U | < 1.8 | U | < 1.8 | U |
| Perfluorododecanoic acid (PFDoA) | ng/L | NC | < 9.7 | U | < 1.8 | U | < 1.8 | U |
| Perfluoroheptanesulfonic acid (PFHpS) | ng/L | NC | < 9.7 | U | < 1.8 | U | < 1.8 | U |
| Perfluoroheptanoic acid (PFHpA) | ng/L | NC | < 9.7 | U | 1.5 | J | 0.91 | l |
| Perfluorohexanesulfonic acid (PFHxS) | ng/L | NC | < 9.7 | U | 1.6 | l | < 1.8 | U |
| Perfluorohexanoic acid (PFHxA) | ng/L | NC | < 9.7 | U | 1.1 | J | 1.4 | 1 |
| Perfluorononanoic acid (PFNA) | ng/L | NC | < 9.7 | U | 2.3 | | 0.61 | l |
| Perfluorooctane Sulfonamide (FOSA) | ng/L | NC | < 9.7 | U | < 1.8 | U | < 1.8 | U |
| Perfluorooctanesulfonic acid (PFOS) | ng/L | 10 | < 9.7 | U | 4.3 | | 1.1 | 1 |
| Perfluorooctanoic acid (PFOA) | ng/L | 10 | 6.2 | 1 | 10 | | 1.2 | 1 |
| Perfluoropentanoic Acid (PFPeA) | ng/L | NC | < 9.7 | U | 1.1 | l | 1.6 | l |
| Perfluorotetradecanoic acid (PFTA) | ng/L | NC | < 9.7 | U | < 1.8 | U | < 1.8 | U |
| Perfluorotridecanoic Acid (PFTriA/PFTrDA) | ng/L | NC | < 9.7 | U | < 1.8 | U | < 1.8 | U |
| Perfluoroundecanoic Acid (PFUnA) | ng/L | NC | < 9.7 | U | < 1.8 | U | < 1.8 | U |

Notes:

¹New York State Department of Environmental Conservation, Sampling, Analysis, and Assessment of Per- and Polyfluoroalkyl Substances (PFAS),

November 2022

Sample Type Code: N - Normal, FD -Field Duplicate

ng/L - nanogram per liter = parts per trillion (ppt)

NC - No criteria currently exists

U - Compound was not detected at the reporting limit shown

J - An estimated value

Bold - Indicates the compound was detected

Table 6BValente Lumber YardGroundwater, Artificial Sweetener Results

| | Client Sample II | | | | VL-OW-02 | -20220921 | VL-OW-03- | 20220921 |
|---|-----------------------|---------|--------|-----------|----------|-----------|-----------|-----------|
| | Lab Sam | ple ID: | 22 12 | 83-01 | 22112 | 283-02 | 22112 | 83-03 |
| | Location ID: | | | | | W-02 | VL-O | N-03 |
| | Sample | e Date: | 9/21/ | /2022 | 9/21 | /2022 | 9/21/ | 2022 |
| | Sample Type | e Code: | ١ | N | | N | ٢ | I |
| Analyte | Screening Criteria | Unit | Result | Qualifier | Result | Qualifier | Result | Qualifier |
| Acesulfame K | NC | μg/L | 1.5 | H *- | 0.16 | H *- | 0.13 | H *- |
| Sucralose | NC | μg/L | 0.12 | Н | <0.025 | ΗU | 0.077 | н |
| Notes: | | | | | | | | |
| Sample Type Code: N - Normal, FD -Field Dup | icate | | | | | | | |

 μ g/L - microgram per liter = parts per billion

NC - No criteria currently exists

U - Compound was not detected at the reporting limit shown

H - Sample was prepped or analyzed beyond the specific holding time

*- -Lab Control Sample (LCS) and/or LCS Duplicate is outside acceptance limits, low biased

Bold - Indicates the compound was detected

Table 6C Valente Lumber Yard Groundwater, Nitrate Nitrite Results

| | Client Sample ID: | | | VL-OW-01-20220921 VL-OW-02-2022092 | | | | -20220921 |
|----------------|---------------------------|-------|---------------|------------------------------------|--------|----------|--------|-----------|
| | Lab Sample ID: | | | 83-01 | 22112 | 83-02 | 22112 | 83-03 |
| Location ID: | | VL-O | W-01 VL-OW-02 | | | VL-O | W-03 | |
| | Sample | Date: | 9/21, | /2022 | 9/21, | /2022 | 9/21/ | /2022 |
| | Sample Type | Code: | I | Ν | | N | 1 | N |
| Analyte | NYS Class GA ¹ | Unit | Result | Qualifer | Result | Qualifer | Result | Qualifer |
| Nitrate (as N) | 10 | mg/L | 0.29 | | 0.3 | | 0.38 | |
| Nitrite (as N) | 1 | mg/L | <0.100 | U | <0.100 | U | <0.100 | U |

Notes:

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

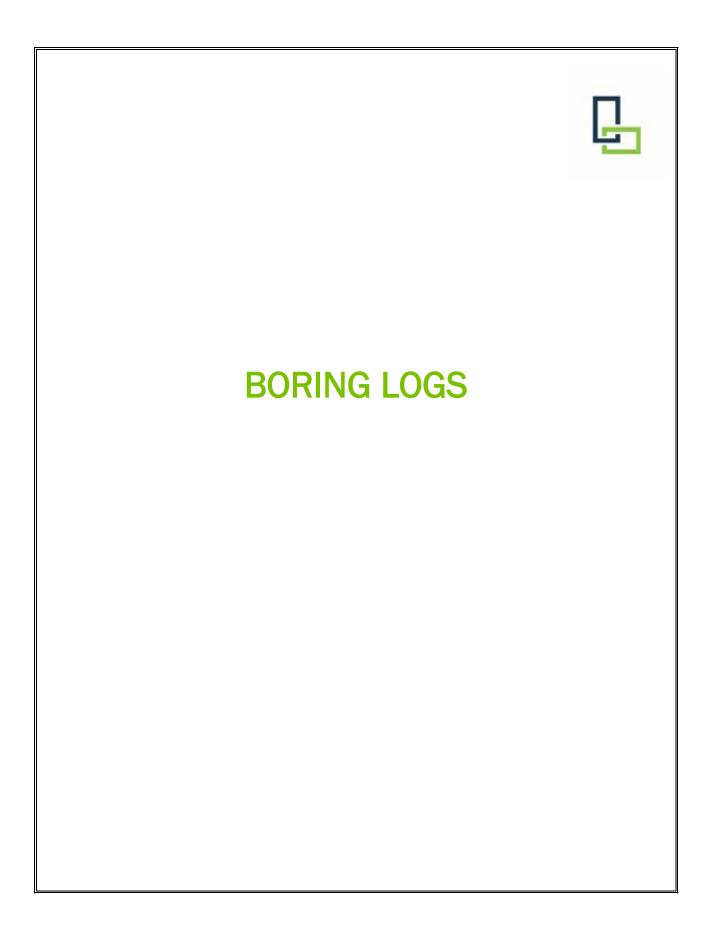
Sample Type Code: N - Normal, FD -Field Duplicate

mg/L - milligram per liter = parts per million (ppm)

U - Compound was not detected at the reporting limit shown

J - An estimated value

Bold - Indicates the compound was detected



| MONITORING WELL / BOR | ING NO. VL- | -OW-C | <u>)1 / V</u> L-SB-01 | _ |
|---|-----------------------|-------------------|--|---|
| Site Name: NYSDEC - Algonquin | | | | LaBella |
| Location: Valente Lumber Yard | Dril | ling Co.: | Clean Globe Environmental | Powered by partnership. |
| Client: NYSDEC | Dril | ler: ^M | ario Pineda | Soil Samples Collected: |
| Phone No.: | Log | iged by:_ | T. Rollend | VL-SB-01 0-2" VL-SB-01 2-12" |
| Drilling Method: Geoprobe 7822 | DT(Dia):2"S | ampling | Method: Macro Core (Dia): 2" | VL-SB-01 84-96" |
| | | | TD: <u>See samples collected</u> (Dia): 2" | |
| Well TD: 15' | | | | |
| Screen Interval:15' - 5.0'_S | lot Size:0.07 | 0" | _ Diameter: ^{2-inch} | |
| Cased Interval: <u>5.0'- grade</u> T | ype:PVC | | _Diameter: ^{2-inch} | |
| Sand Pack Interval: 15' - 3. | ^{0′} Type:_≠ | # 2 | _Wellhead Prot: Flush Mount | |
| Bentonite Seal Interval: <u>3.0</u> | <u>-2.0'</u> Type: | Chips | _Grouted Interval: | |
| | 1 | 1 | | |
| Depth (Feet) Monitoring Well Construction | Recovery; | PID (ppm): | Descriptio | on / Soil Classification |
| | | 0.1 | 0" - 2.0" Gray, dry, fine GRAVEL (1 | fill motorial) |
| 0 Concrete Native Soil & Well Sand Bentonite | S-1: 0" - 5.0' | 6.1 — — — — — | | |
| 2" PVC Riser | Hand cleared | < 1.0 | 2.0" - 5.0' Gray, dry, coarse to fine S | SAND and fine to medium GRAVEL |
| 5 | | | 5.0' 8.0' Dark brown maint organi | ics (wood chips), coarse to fine SAND and SILT, |
| | S-2: 5.0' - 10' | | some rounded Gravel | |
| PVC Screen | Rec: 5.0'/5.0' | < 1.0 | Wet at 8 fbg. Brown, wet, | coarse to fine SAND and SILT, trace Clay, to 8.5' |
| | | | | SAND and SILT some rounded Gravel and shale |
| | S-3: 10' - 15' | < 1.0 | fragments to refusal, wea | thered bedrock (shale) fragments in sampler shoe |
| 日際開始 | Rec: 5.0'/5.0' | | | |
| | | | | 15' |
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| Monitoring Well Completion / Boring L | og drafted by LaBella | Associates | s, D.P.C. | PAGE _ 1 _ of _ 1 |

| MONITORING WELL / BORI | | | | |
|---|-----------------------------------|--------------|---|--|
| Site Name: NYSDEC - Algonquin I | | | | |
| Location: Valente Lumber Yard | | | | |
| Client: NYSDEC | | | | Soil Samples Collected: VL-SB-02 0"-2" |
| Phone No.: N/A | Logge | ed by:_ | T. Rollend | VL-SB-02 2"-12" |
| Drilling Method: Geoprobe 7822 D | DT(Dia):2" Sar | mpling | Method: Macro Core (Dia): 2" | VL -SB-02 72"- 84" |
| Drilled TD: | (Dia): <u>2"</u> Sar | npled | TD: See samples collected (Dia): | DUPE-3 parent VL-SB-02 2"-12" |
| Well TD: | (Dia): <u>2"</u> We | II Туре | e:PVC | |
| Screen Interval: 10'-5.0' SI | | | | |
| Cased Interval: <u>5.0'- Grade</u> Ty | /pe:PVC | | _Diameter:_2" | |
| Sand Pack Interval: 10' - 3.0' | Туре: | #2 | _Wellhead Prot: Flush Mount | |
| Bentonite Seal Interval: <u>3.0'-</u> | ^{2.0'} Type: | chips | _ Grouted Interval: | |
| Depth Monitoring Well (Feet) Construction | | PID ppm): | Descripti | on / Soil Classification |
| 0 2" cap 8" road box | | | | |
| Concrete Native Soil & Well Sand Bentonite | S-1: 0" - 5.0' Hand cleared | < 1.0 | • • • | e to fine SAND and fine GRAVEL (fill material) ne SAND and SILT, trace Clay. Large tree root at |
| 5 - 2" PVC Riser #2 Well Sand | S-2: 5.0' - 10' Rec: 4.0'/5.0' | < 1.0 | 5.0' - 10' Brown, wet, coarse to fine shale fragments to EOB (r Wet at 7.0' | SAND and SILT, some fine angular Gravel efusal) at 10 fbg |
| 10 Slot PVC Screen | | | | 10' |
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| Monitoring Well Completion / Boring Lo | g drafted by LaBella As | ssociates | s, D.P.C. | PAGE _ 1 _ of _ 1 |

| MONI | TORING WELL / BORI | NG NO. VL- | OW-0 | <u>)3 / V</u> L-SB-03 | |
|-----------------|-------------------------------------|----------------------------------|---------------|---|--|
| Site Na | ame: Algonquin Middle Scho | ^{ool} Date | e Drilled | August 18, 2022 | LaBella |
| Locatio | ON: Valente Lumber Yard | Drill | ing Co.: | Clean Globe Environmental | Powered by partnership. |
| Client: | NYSDEC | Dril | er:^ | ario Pineda | Soil Samples Collected: |
| Phone | No.:N/A | Log | ged by: | T. Rollend | VL-SB-03 0"-2" VL-SB-03 2"-12" |
| Drilling | g Method: Geoprobe 7822 [| DT(Dia):2"S | ampling | Method: Macro Core (Dia): 2" | VL-SB-03 156"-168" |
| Drilled | TD: 15' | (Dia): <u>2"</u> S | ampled | TD: See samples collected (Dia): | |
| Well T | D: ^{13'} | (Dia): <u>2"</u> V | Vell Type | e: PVC | |
| Screer | n Interval: <u>13'-3.0'</u> SI | ot Size: 0.0 ⁻ | 10" | _ Diameter:2-inch | |
| Cased | Interval: <u>3.0' - Grade</u> Ty | /pe: | PVC | _ Diameter:2-inch | |
| Sand F | Pack Interval: 13' - 2. | <u>0' fbgType:_#</u> | 2 | Wellhead Prot:Flush Mount_ | |
| Bentor | nite Seal Interval: ^{2.0'} | <u>-1.0'</u> Type: | Benchips | _Grouted Interval: | |
| | | | | | |
| Depth (Feet) | Monitoring Well Construction | Recovery; | PID (ppm): | Descriptio | on / Soil Classification |
| 0 7 | 2" cap 8" road box | | | | |
| | Concrete Native Soil & | S-1: 0 - 5.0' | 1.6 | | parse to fine SAND and SILT (topsoil) ne SAND, SILT, fine GRAVEL (fill material) |
| | Well Sand Bentonite | Hand Cleared | 5.2 | 1.0' - 9.0' Brown, dry, layers of coars (roadbase fill material). La | se to fine SAND, SILT and angular Gravel yers of wood chips at 8 fbg and 9 fbg |
| 5 | | | | | |
| | 2" PVC Riser | S-2: 5.0' - 10' | | | |
| | | Rec: 5.0'/5.0' | 1.2 | | |
| 10 _ | | | | 9.0' - 10' Brown, moist, CLAY trace | Silt |
| | #2 Well Sand | S-3: 10' - 15' Rec: 5.0'/5.0' | < 1.0 | | and SILT, little Clay, some rounded Gravel e fragments with depth to EOB (refusal) at 15 fbg ollapse |
| 15 | 10 Slot PVC Screen | | | | |
| | | | | | 15' |
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| Monitor | ing Well Completion / Boring Lo | g drafted by LaBella | Associates | s, D.P.C. | PAGE <u>1</u> of <u>1</u> |

| MONI | FORING WELL / BORI | NG NO. | SB-04 | 4 | | |
|----------|---------------------------------|-------------------------------|-------------------|--------------------|--|---|
| Site Na | ame: Algonquin Middle Scho | ^{ool} Date | e Drilled | August | 17, 2022 | LaBella |
| Locatio | on: Valente Lumber Yard | Drill | ling Co.: | Clean G | ilobe Environmental | Powered by partnership. |
| Client: | NYSDEC | Dril | ler: ^M | ario Pineda | | Soil Samples Collected: VL-SB-04 0"-2" |
| Phone | No.: | Log | iged by:_ | T. Rolle | nd | VL-SB-04 0 -2 VL-SB-04 2"-12" |
| Drilling | Method: Geoprobe 7822 D | ^{ot} (Dia):2"S | ampling | Method: | Macro Core (Dia): 2" | VL-SB-04 120" - 132" |
| Drilled | TD: | (Dia): <u>2"</u> S | ampled | TD: <u>See sam</u> | nples collected <u>(</u> Dia): | |
| Well T | D: No Well Installed | (Dia): V | Vell Type | e: | | |
| Screer | n Interval:SI | ot Size: | | _ Diamete | r: | |
| Cased | Interval:Ty | /pe: | | _ Diamete | r: | |
| Sand F | Pack Interval: | Туре: | | _Wellhea | d Prot: | |
| Bentor | ite Seal Interval: | Туре: | | _ Grouted | Interval: | |
| Depth | Monitoring Well Construction | Recovery; | PID | | Descriptio | on / Soil Classification |
| (Feet) | Construction | 10000019, | (ppm): | 0.0'-8.0' | - | cs (tree bark) coarse to fine SAND and SILT to 8 fbg |
| ° – | | | 5.8 | 0.0 0.0 | | |
| | | S-1: 0 - 5.0' Hand cleared | | | | |
| | | | < 1.0 | | | |
| 5 - | | | | | | |
| | | S-2: 5.0' - 10' | < 1.0 | | | |
| | | Rec: 4.0'/5.0' | | | | reactions fine SAND and SILT. Well sorted to poorly comes fine SAND and SILT to end of boring |
| | | | | | (refusal) at 20 fbg. Tree ro Wet at 11' | |
| | | S-3: 10' - 15' | < 1.0 | — | Wetat H | |
| | | Rec: 4.0'/5.0' | | | | |
| 15 - | | | | | | |
| | | S-4: 15' - 20' | < 1.0 | | | |
| | | Rec: 5.0'/5.0' | | | NI 1/1 11 1/1 | |
| 20 | | | | | No monitoring well installe | 20' |
| | | | | | | 20 |
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| 25 - | | | | | | |
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| Monitor | ing Well Completion / Boring Lo | g drafted by LaBella | Associates | s, D.P.C. | | PAGE of |

| MONITORING WELL / BORING NO. VL-SB-05 | |
|---|--|
| Site Name:NYSDEC - Algonquin Middle School_ Date Drilled:August 17, 2022 | |
| Location: Valente Lumber Yard Drilling Co.: Clean Globe Environmental Powered by partnership. | |
| Client: NYSDEC Driller: Mario Pineda Soil Samples Collected: | |
| Phone No.: N/A VL-SB-06 0-2" VL-SB-06 2-12" VL-SB-06 2-12" | |
| Drilling Method: Geoprobe 7822 DT (Dia): 2" Sampling Method: Macro Core (Dia): 2" | |
| Drilled TD: 10' (Dia): 2" Sampled TD: see samples collected (Dia): | |
| Well TD:No Well Installed(Dia): Well Type: | |
| Screen Interval:Slot Size:Diameter: | |
| Cased Interval:Type:Diameter: | |
| Sand Pack Interval:Type:Wellhead Prot: | |
| Bentonite Seal Interval:Type:Grouted Interval: | |
| | |
| Depth (Feet)Monitoring Well ConstructionRecovery;PID (ppm):Description / Soil Classification | |
| 0 | |

| 0 - | | | | |
|--|-----------------------------------|----------------|---------------|--|
| | | < 1.0 | 0" - 1.0' | Dark Brown to black, moist, organics, fine SAND and SILT (topsoil) |
| | S-1: 0 - 5.0' Rec: 3.0'/5.0' | < 1.0 | 1.0' - 10' | Brown, dry, coarse to fine SAND and SILT, some rounded fine Gravel with increasing Silt and Clay to 10 fbg. |
| | S-2: 5.0' - 10' Rec: 2.0'/5.0' | < 1.0 | | |
| | S-3: 10' - 15' Rec: 4.0'/5.0' | < 1.0 | 10' - 15' | Brown, dry, coarse to fine SAND, SILT and fine GRAVEL (shale fragments) with shale quantity increasing with depth to EOB (refusal) at 15 fbg Groundwater was not encountered |
| 15 | | | | No monitoring well installed |
| 20 20 21 25 30 30 11 11 11 11 11 11 11 11 11 11 11 11 11 | | | | |
| Monitoring Well Completion / Boring Lo | g drafted by LaBella | l Associate | s, D.P.C. | PAGE of |

| MONITORING WELL / BOF | RING NO. VL- | SB-00 | 6 | |
|--|------------------------|----------------|---|--|
| Site Name: | Middle School_Date | Drilled | August 17, 2022 | LaBella |
| Location: Valente Lumber Yard | Drilli | ng Co.: | Clean Globe Environmental | Powered by partnership. |
| Client: NYSDEC | Drille | er: <u>M</u> a | ario Pineda | Soil Samples Collected: |
| Phone No.: N/A | Log | ged by:_ | T. Rollend | VL-SB-06 0"- 2" VL-SB-06 2"-12" |
| Drilling Method: Geoprobe 7822 | DT (Dia):2" Sa | ampling | Method: Macro Core (Dia): 2" | |
| Drilled TD: | (Dia): <u>2"</u> Sa | ampled | TD: see samples collected (Dia): | |
| Well TD: No Well Installed | (Dia): W | /ell Type | 9: | |
| Screen Interval: | Slot Size: | | _ Diameter: | |
| Cased Interval: | Гуре: | | _ Diameter: | |
| Sand Pack Interval: | Туре: | | _Wellhead Prot: | |
| Bentonite Seal Interval: | Туре: | | _Grouted Interval: | |
| Depth Monitoring Well (Feet) Construction | Recovery; | PID (ppm): | Descript | ion / Soil Classification |
| ° - | | 10 | 0" - 3.0' Black, moist, organics, co | parse to fine SAND and SILT |
| | S-1: 0 - 5.0' | | | |
| | Hand Cleared | < 1.0 | | e SAND and SILT, some fine rounded to angular added: layers of Gravel, coarse to fine SAND and fine |
| 5 _ | | | Gravel, and coarse to fin 5.0' - 10' Brown, moist, medium to | e SAND (fill material) fine SAND and SILT, some rounded fine Gravel (till) |
| | S-2: 5.0' - 10' | | to EOB (refusal) at 10 fb | 9 |
| | Rec: 4.0'/5.0' | < 1.0 | Groundwater was not en | countered |
| | | | No monitoring well instal | |
| | | | | 10 |
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| 15 | | | | |
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| 35 J Monitoring Well Completion / Boring | Log drafted by LaRella | Associates | s. D.P.C. | PAGE 1 of 1 |

| MONITORING WELL / BC | RING NO. VL | SB-0 | 7 | |
|--|----------------------------------|--------------------|--|--|
| Site Name: NYSDEC - Algonqu | ^{in Middle School} Dat | e Drilled | August 17, 2022 | LaBella |
| Location: Valente Lumber Yard | Dril | ling Co.: | Clean Globe Environmental | Powered by partnership. |
| Client: NYSDEC | Dril | ler: ^{Ma} | rio Pineda | Soil Samples Collected: |
| Phone No.: N/A | Log | iged by:_ | T. Rollend | VL-SB-07 0"- 2" VL-SB-07 2"- 12" MS/MSD |
| Drilling Method: Geoprobe 782 | 2 DT(Dia):2"S | Sampling | Method: Macro Core (Dia): 2" | VL-SB-07 156" - 168" |
| Drilled TD: ^{14'} | (Dia): <u>2</u> " | Sampled | TD: <u>see samples collected (Dia)</u> | |
| Well TD: ^{No Well Installed} | (Dia): V | Vell Type | e: | |
| Screen Interval: | Slot Size: | | _Diameter: | |
| Cased Interval: | Туре: | | _Diameter: | |
| Sand Pack Interval: | Туре: | | Wellhead Prot: | |
| Bentonite Seal Interval: | Туре: | | _Grouted Interval: | |
| Depth Monitoring Well (Feet) Construction | Recovery; | PID (ppm): | Descript | ion / Soil Classification |
| 0] | Hand cleared | < 1.0 | 0.0' - 1.0' Black, moist, organics, co | parse to fine SAND and SILT (topsoil) |
| | S-1: 0 - 5.0' Rec: 2.5'/5.0' | <u> </u> | | - — — — — — — — |
| | 1.60. 2.073.0 | < 1.0 | | |
| 5 | | | | |
| | S-2: 5.0' - 10' | | | |
| | Rec: 4.0'/5.0' | < 1.0 | 8.0' - 14' Coarse to fine SAND and (refusal) at 14 fbg | SILT with fine gravel shale fragments to EOB |
| 10 | | | (Telusal) at 14 lbg | |
| | S-3: 10' - 14' Rec: 2.0'/4.0' | < 1.0 | | |
| | | | Groundwater was not end No monitoring well install | countered ed |
| 15 — | | | | 14' |
| | | | | |
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| 20 | | | | |
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| Monitoring Well Completion / Boring | g Log drafted by LaBella | Associates | s, D.P.C. | PAGE _ 1 _ of _ 1 |



WELL DEVELOPMENT LOGS

| | Site Name | AMS - Valente L | umber | | | | | | |
|------|---------------------------------------|------------------------|-----------|--------------------------|--|-----------------------------------|------------|----------|----------|
| | Site Location | Averill Park, NY | | | | | _ | | |
| | Well ID | VL-OW-01 | | | | Arte | ch Env | ironme | antal |
| | Sampled By | BB+NW | | | | ALI | - CHI LIIV | | mual |
| | Well Information | n | | | | | A LaBella | Company | |
| | Flush Mount or Riser | Flush | | | | | | | |
| | Measuring Point | TOC | | Stabilization is achiev | ed when the following | g changes are noted | | | |
| | Measuring Point Elevation | | | over three c | onsecutive 3-5 minut ± 0.1 change in pH | e readings: | | | |
| | Depth to Water (feet) | 2.6 | | + 30 | % change in conducti | vitv | | | |
| | Depth to Bottom of Well | 12.31 | | ± 10 | | | | | |
| | | | | ± 10% | change in DO and Tu | ırbidity | | | |
| | Dia. Well | Well Volume Multiplier |] | Da | | 8/30/2022 | | | |
| | 1 | 0.0408 | | Weat | | Hot 90's Humid | | | |
| | 1.5 2 | 0.0918 0.1631 | | Purging Ec Sampling E | quipment | Peristaltic Peristaltic/Horiba | | | |
| | 3 | 0.3670 | | Decon M | Method | Alconox | | | |
| | 4 | 0.6525 | | Riser Di | ameter | 2" | | | |
| | 5 | 1.0195 | | Well Volume | Calculation | 1.6 gal | | | |
| | 6 | 1.4681 | | L | | | | | |
| | 8 | 2.6100 | | | | | | | |
| | 10 | 4.0782 | | | | | | | |
| | 12 | 5.8726 | | | | | | | |
| | Well Volume Gallons = Multiplier x Le | ngth of Water Column | | | | | | | |
| | | | | <u>г</u> | Dissolved O2 | Conductivity | | Depth to | Pumping |
| Time | Volume Removed (Gallons) | Turbidity (NTU) | рН | Temperature (C) | (mg/L) | (mS/cm) | ORP (mV) | Water | Rate |
| 1245 | | | St | art | | | | 2.31 | |
| 1415 | | St | art after | 7.5 gallons | | | | 3.60 | |
| 1426 | ~9.0 | 150 | 6.69 | 19.53 | 0.0 | 0.421 | -28 | 3.81 | |
| 1435 | 10.5 | 48.4 | 6.70 | 19.35 | 0.0 | 0.421 | -29 | 3.91 | |
| | 10.5 Gallons total | | | | | | | | - |
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| | Site Name | AMS - Valente L | umber | | | | | | |
|------|---------------------------------------|---------------------------------------|-----------|------------------------|---|-------------------------------|-------------|----------|---------|
| | Site Location | Averill Park, NY | | | | | - | | |
| | Well ID | VL-OW-02 | | | | Arte | ch Env | ironm | antal |
| | Sampled By | BB+NW | | | | ALIC | | | entai |
| | | | | | | | | Company | |
| 1 | Well Information | | | | | | C. Ceresona | Company | |
| | Flush Mount or Riser | Flush | | | | | | | |
| | Measuring Point | TOC | | Stabilization is achie | ved when the following | g changes are noted | | | |
| | Measuring Point Elevation | | | over three o | consecutive 3-5 minut ± 0.1 change in pH | e readings: | | | |
| | | | | | ± 0.1 onunge in pri | | | | |
| | Depth to Water (feet) | 3.51 | | + 3 | % change in conducti | vity | | | |
| | Depth to Bottom of Well | 8.53 | | | · · | | | | |
| | | 0.55 | | | 0 millivolt change in O | | | | |
| | | | | ± 10% | change in DO and Tu | irbidity | | | |
| | Dia. Well | Well Volume Multiplier | | Da | te | 8/30/2022 | | | |
| | 1 | 0.0408 | | Wea | ther | Hot 90's Humid | | | |
| | 1.5 | 0.0918 | | Purging E | quipment | Peristaltic | | | |
| | 2 3 | 0.1631 0.3670 | | Sampling I Decon | <u>equipment</u> | Peristaltic/Horiba Alconox | | | |
| | 4 | 0.6525 | | Riser D | iameter | 2" | | | |
| | 5 | 1.0195 | | Well Volume | Calculation | 0.82 | | | |
| | 6 | 1.4681 | | | | | | | |
| | <u>8</u> 10 | 2.6100 4.0782 | | | | | | | |
| | 10 | 5.8726 | | | | | | | |
| | | | | | | | | | |
| | Well Volume Gallons = Multiplier x Le | ngth of Water Column | | | | | | | |
| | | | | | | | | | |
| | | · · · · · · · · · · · · · · · · · · · | | 1 | | _ | | | 1 - |
| Time | Volume Removed (Gallons) | Turbidity (NTU) | pН | Temperature (F) | Dissolved O2 | Conductivity | ORP (mV) | Depth to | Pumping |
| | | · · · · · · · · · · · · · · · · · · · | P'' | | (mg/L) | (mS/cm) | | Water | Rate |
| | | | | | | | | | |
| 1015 | | | | | | | | 3.51 | 1 |
| | | | | | | | | | |
| | | | | | | | | | |
| 1030 | ~1.5 | 1000+ | 7.48 | 17.03 | 5.15 | 0.525 | 45 | 7.94 | 1 |
| | | | | | | | | | |
| | | | | | | | | | |
| 1040 | | well dra | awdown e> | ceeding recharge | | | | 8.31 | 1 |
| | | | | | | | | | |
| | | | | | | | | | |
| 1050 | ~1.5 | 960 | 7.29 | 18.8 | 6.54 | 0.5 | 88 | 8.35 | 1 |
| | | | | | | | | | |
| | | | | | | | | | T |
| 1115 | ~3.5 | 105 | 7.58 | 19.04 | 2.78 | 0.486 | 85 | 7.25 | 1 |
| | | | | | | | | | 1 |
| | | | | | | | | | 1 |
| 1140 | ~4.0 | 92 | 7.14 | 18.29 | 3.35 | 0.483 | 111 | 7.26 | |
| | | | | - | | - | | - | 1 |
| | | | | • | | | | | |
| 1143 | | | | dry allowed to re | charge | | | | |
| | | | | | - | | | | |
| | | | | | | | | | |
| 1200 | | | res | start | | | | 7.1 | |
| | | | | | | | | | 1 |
| | | | | | | | | İ | |
| 1215 | dry | 62.5 | | | | | | | |
| | , | | | | | | | | 1 |
| | | | | | | • | | İ | 1 |
| 1220 | | | res | start | | | | 7.0 | |
| | | | | | | | | | |
| | | | | | | | | 1 | 1 |
| 1230 | ~5.5 | 49.9 | 7.22 | 19.54 | 2.77 | 0.471 | 113 | 7.24 | |
| 00 | 0.0 | | | | | | | | 1 |
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|------|---------------------------------------|----------------------------------|-------|------------------------|--|-----------------------------|----------|-------------------|-------------------|
| | Site Name | AMS - Valente L | umber | | | | | | |
| | Site Location | Averill Park, NY | | | | | - | | and the same star |
| | Well ID Sampled By | | | | | Azte | ch Env | ironme | ental |
| | Sampled By | | | | | - | | | |
| | Well Informatio | | 1 | | | | ALabeita | Company | |
| | Flush Mount or Riser | Flush | | Ctabilization is askin | and a lange they following | - shares are relad | | | |
| | Measuring Point | TOC | | over three | ved when the following consecutive 3-5 minute | e readings: | | | |
| | Measuring Point Elevation | | | | ± 0.1 change in pH | | | | |
| | Depth to Water (feet) | 4.01 | | | No la sus in construction | | | | |
| | Depth to Bottom of Well | 12.81 | | | % change in conductiv | | | | |
| | | 12.01 | | |) millivolt change in O change in DO and Tu | | | | |
| | | | | | | | | | |
| | Dia. Well 1 | Well Volume Multiplier 0.0408 | | Da Wea | | 8/30/2022 Hot 90's Humid | | | |
| | 1.5 | 0.0918 | | Puraina E | quipment | Peristaltic | | | |
| | 2 3 | 0.1631 0.3670 | | Sampling I Decon | Equipment | Peristaltic/Horiba | I | | |
| | 4 | 0.6525 | | Riser D | iameter | Alconox 2" | | | |
| | 5 | 1.0195 | | Well Volume | Calculation | 1.44 | | | |
| | <u> </u> | 1.4681 2.6100 | | | | | | | |
| | 10 | 4.0782 | | | | | | | |
| | 12 | 5.8726 | | | | | | | |
| | Well Volume Gallons = Multiplier x Le | ngth of Water Column | | | | | | | |
| | L | | I | | | | | | |
| | | | [| 1 | Disastus L OC | Construct | | Denth 1 | Durrent |
| Time | Volume Removed (Gallons) | Turbidity (NTU) | pН | Temperature (F) | Dissolved O2 (mg/L) | Conductivity (mS/cm) | ORP (mV) | Depth to Water | Pumping Rate |
| | | | | | (mg/E) | (mo/cm) | | Water | Trate |
| 835 | 0 | | | | | | | 4.01 | |
| | | | | | | | | | <u> </u> |
| 055 | 2.0 | 110 | 0.00 | 10.01 | 1.00 | 1.07 | 40 | 5.04 | |
| 855 | ~2.0 | 442 | 8.26 | 18.91 | 1.69 | 1.07 | -43 | 5.94 | |
| | | | | | | | | | 1 |
| 920 | | | | Meter Mainter | nace | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| 930 | ~4.5 | 260 | 8.25 | 16.53 | 0.0 | 1.12 | -37 | 7.04 | |
| | | | | | | - | | | |
| 945 | ~6.0 | 112 | 8.14 | 15.87 | 0.0 | 1.15 | -51 | 7.56 | |
| | | | | | 0.0 | | | | |
| | | | | | | | | | |
| | ~8.5 | 49.9 | 8.15 | 15.93 | 0.0 | 1.15 | -66 | 8.22 | |
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LOW FLOW STABILIZATION SAMPLING LOGS

| | Site Name Site Location | Valente Lume | esienkiu. | vi | | | 4 | | | |
|-------|---|--|-------------|----------------------|--|--------------------------------------|-----------|-------------------|-----------------|--|
| | Sampled By | VL-OW-OI | | | | Azt | ech Env | 010843 | ental | |
| | Well Informa | Flush | 1 | | | | A LaBella | Company | | |
| | Measuring Point | TOC | 1 | | wed when the follows consecutive 3-5 min | ng changes are noted te readings: | | | | |
| | Measuring Point Elevation | | | | ± 0.1 change in pH | | | | | |
| | Depth to Water | 2.10 | - | 13 | % change in conduc | Divity | | | | |
| | Depth to Bottom of Well | 13.34 | 1 | | 0 millivolt change in 0 change in DO and 1 | | | | | |
| | Dia. Well | Well Volume Multiplier | 1 | | ate | 9/21/22 | 1 | | | |
| | 1 | 0.0408 | | Purging E | Purging Equipment | | | | | |
| | 2 3 | 0.1631 0.3670 | - | Decon | Equipment Method | Perstatic Destatic cullents | | | | |
| | 4 5 | 0.6525 | | | iameter Calculation | 1.83 | | | | |
| | 6 8 10 12 Well Volume Gallions ≈ Multipli Column | 1.4681 2.6100 4.0782 5.8726 er x Length of Water | 1145 | EPA 53T LZZI PAK- | VL-OW-OI Sampled for: EPA 537 PFAS L221 PAC-Negotive | | | | | |
| | | | | tinativ | | itrate/Nitv | ite. | Death to | Dumolog | |
| Time | Volume Removed (Gallons) | Turbidity (NTU) | pН | Temperature (F) | Dissolved O2 (mg/L) | Conductivity (mS/cm) | ORP (mV) | Depth to Water | Pumping Rate | |
| 1035 | Began Purge | 11. S. H. H. S. | | | | | | | | |
| 1040 | | 278 | 7.20 | 18.12 | 0.83 | D.437 | -82 | | | |
| 1045 | 05 | 241 | 7.12 | 17.87 | 0.00 | 0430 | -94 | | | |
| 10:50 | | 222 | 7.18 | 17.87 | 0.00 | 0.438 | -93 | | | |
| 1055 | 1.0 | 192 | 7.08 | 17.52 | 0.00 | 0.432 | -99 | | | |
| 1100 | | 168 | 7.00 | 17.56 | 0.02 | 0.432 | -96 | | | |
| 1105 | 1.S | 143 | 6.89 | 17.56 | 0.00 | 0.430 | -91 | | | |
| 1110 | | 105 | 6.57 | 17.56 | 0.00 | 0.432 | -95 | | | |
| 1115 | 20 | 78.0 | 6.51 | 17.62 | 0.00 | 0435 | -73 | | | |
| 1120 | | 85.8 | 6.57 | 17.59 | 0.00 | 0.438 | -77 | | | |
| 1125 | 2.5 | 68.7 | 6.68 | 17.85 | D.00 | 0.438 | -81 | | | |
| 1130 | | 65.2 | 6.63 | 17.84 | 0.00 | 0.439 | -81 | | | |
| 1135 | 3.0 | 60.9 | 2.85.112.11 | 17.91 | 0.00 | 0.439 | -86 | | | |
| 1140 | | 60.0 | 6.71 | 17.93 | 0.00 | 0.439 | -84 | | | |
| | Ended purge. | | | | | | | | | |
| | | | | | | | | | | |

| | Site Location Well ID | Valente Lumbe Regenkill,NY VL-OV-02 | wdl | appears to te above 7 OC mixed : | have sum | k, Azt | ech Env | A vironmo | ental | 1 |
|------|---|---|------|--|---|---------------------------------------|----------|-------------------|-----------------|---|
| | Sampled By | NW | at 7 | OC Miked | shehtly at | | TECHN | Company | | |
| | Flush Mount or Riser | flush | pung | le start | - / | | | | | |
| | Measuring Point | TOC | 1 1 | | ved when the followin consecutive 3-5 minu | ng changes are noted ite readings: | Seale /1 | end for | 11 | |
| | Measuring Point Elevation | O-at toc | - | | ± 0.1 change in pH | | apric/ 1 | erch he | C | |
| | Depth to Water Depth to Bottom of Well | 96.54 G | | | % change in conduc | | 020 | | | |
| | Departo Dottorin of Pres | 0.01 | 1 | | 0 millivolt change in 0 change in DO and T | | | | | |
| | Dia Well | Well Volume Multiplier | 1 | Da | | 921 | 1 | | | |
| | 1.5 | 0.0408 | | Purging E | quipment | pertstallic | | | | |
| | 2 3 | 0.1631 0.3670 | | Sampling I Decon | Method | Hignor | | | | |
| | 4 5 | 0.6525 | | Riser D Well Volume | | 4.18 | | | | |
| / | 6 8/ 10 12 Well Volume Gallons = Multipli Column | 1.4681 2.6100 4.0782 5.8726 ier t Length of Water | | | | | | | | |
| Time | Volume Removed (Gallons) | Turbidity (NTU) | pН | Temperature () | Dissolved O2 (mg/L) | Conductivity (mS/cm) | ORP (mV) | Depth to Water | Pumping Rate | |
| 835 | Purge Start | / | | | (ngre) | (insidin) | | Water | 300 | |
| \$40 | .25 | 230 | 6.63 | 18.31 | .54 | ,475 | 37 | 1.24 | | P |
|)84S | . 4 | 186 | 6.60 | 17.73 | 0.0 | .481 | 46 | 1.51 | | [|
| ९६२० | . 6 | 186 | 6.56 | 17.50 | 0.0 | .486 | 54 | 1.70 | | |
| 0855 | . 8 | 182 | 6.61 | 17.21 | 0.0 | .486 | 50 | 1.91 | | |
| 0900 | 1.0 | 184 | 6.55 | 16.55 | 0.0 | .488 | 57 | 2.15 | | |
| 0905 | | 82 | 6.49 | 16.35 | 0.0 | .491 | 64 | 2.42 | | |
| 0910 | 1,4 | 38.0 | 6:46 | 16.04 | 0.0 | -493 | 56 | 3.06 | | |
| 0915 | 1.6 | S4.0 | 6.58 | 16.18 | O.O | .492 | 45 | 3.45 | | |
| 0920 | 1.8 | 66.1 | 653 | 16.16 | 0.0 | ,490 | 43 | 3.80 | | |
| 0925 | 2.0 | 44.8 | 6.56 | 16.19 | 0.0 | .489 | 38 | 4.05 | | |
| 0930 | ን.ታ | 33.0 | 6.64 | 16.35 | 0, G | .486 | 27 | 4.31 | | |
| 093S | 2.4 | 32.1 | 6.61 | 16.39 | 0.0 | -486 | 28 | 4.41 | | |
| 0940 | 2.6 | 27.4 | 6.58 | 16.44 | 0.0 | 0485 | 30 | 4.SO | | |
| 0945 | 2,8 | 18.1 | 6.65 | 16.43 | 0.0 | .483 | 31 | 4.55 | | |
| 0950 | 3.0 | 18.0 | 6.66 | 16.35 | 0.0 | -482 | 34 | 4,70 | | |
| 0955 | 3-2 | 17.2 | 6.67 | 16.52 | 0.0 | .479 | 35 | 4.83 | | |

| | Site Name Site Location Well ID Sampled By | Kelerte Winder Reskrikinin VZ-OW-OJ NW | | | | Azt | ech Env | ironm | ental |
|------|---|---|--------|-------------------------|---|--------------|-----------|----------|---------|
| | Well Informa | Stard Street and Street and Street | 1 | | | | A LaBella | Company | |
| | Flush Mount or Riser | Flush | 1 | | | | | | |
| | Measuring Point | TOC | 1 | Stabilization is achiev | | | | | |
| | Measuring Point Elevation | ice | - | over three o | onsecutive 3-5 minu | | | | |
| | | | - | | ± 0.1 change in pH | | | | |
| | Depth to Water | 0 - at TOC | 4 | ± 34 | % change in conduct | bvity | | | |
| | Depth to Bottom of Well | 8.54 | | | millivoit change in 0 change in DO and T | | | | |
| | 1 | | 1 | C. B. C. B. | | | 1 | | |
| | Dia. Well | Well Volume Multiplier 0.0408 | | Da Weat | | 9/21/12 | - | | |
| | 1.5 | 0.0918 | 1 | Purging Ec | quipment | Aristaitie | | | |
| | 2 3 | 0.1631 0.3670 | | Sampling E Decon M | ethod | peastaitic | | | |
| | 4 | 0.6525 | 1 | Riser Di | ameter | alicnes | 1 | | |
| | 5 | 1.0195 | 1 | Well Volume | Calculation | 4.18 | 1. | | |
| | 6 8 | 1.4681 2.6100 | | | | | | | |
| | 10 | 4.0782 | | | | | | | |
| | 12 | 5.8726 | | | | | | | |
| | Well Volume Gallons = Multipli Column | er x Length of Water | | | | | | | |
| | | | | | Dissolved O2 | Conductivity | | Depth to | Pumping |
| Time | Volume Removed (Gallons) | Turbidity (NTU) | pH | Temperature (F) | (mg/L) | (mS/cm) | ORP (mV) | Water | Rate |
| 000 | 3.4 | 16.4 | 6,64 | 16,54 | (1990) | .479 | 40 | 4.90 | |
| 1005 | Sample | \sim | \sim | \sim | \sim | \sim | \sim | \sim | - |
| | | | | | | | | | |
| | | | | | | | | | |
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| | Site Name Site Location | Valente Lum Atestenkilliniy | ber . | | | | | 4 | |
|------|---|--|-------|---|------------------------|-------------------------|----------|-------------------|-----------------|
| | Well ID Sampled By | N-0N-03 | | | | Azt | ech En | vironme | ental |
| | Well Inform | 10 10 10 10 10 10 10 10 10 10 10 10 10 1 | | | | - | A LaBell | a Company | |
| | Flush Mount or Riser | Ausn | | Stabilization is achie | wed when the follows | ng changes are noted | | | |
| | Measuring Point | TOC | - | | consecutive 3-5 minu | | | | |
| | Measuring Point Elevation Depth to Water | 2.41 | 1 | | ± 0.1 change in pH | | | | |
| | Depth to Bottom of Well | ± 3% change in conductivity ± 10 millivot change in ORP | | | | | | | |
| | | 12.82 | - | | change in DO and T | | | | |
| | Dia. Well | Well Volume Multiplier 0.0408 | - | | ther | SI/21/22 |] | | |
| | 1.5 | 0.0918 0.1631 | 1 | Purging E | | peristatic | 1 | | |
| | 3 | 0.3670 | | Decon | Method | pensituti | 1 | | |
| | 4 5 | 0.6525 | | | iameter Calculation | 1.70 | | | |
| | 6 8 10 12 | 1.4681 2.6100 4.0782 5.8726 | 0935 | 5 VL-ON-03 sampled for: EPA 537 PFAS | | | | | |
| | Well Volume Gallons = Multipl Column | ler x Length of Water |] | EPA 300 | C-Negative Nitroger | litrite | | | |
| Time | Volume Removed (Gallons) | Turbidity (NTU) | pН | Temperature (F) | Dissolved O2 (mg/L) | Conductivity (mS/cm) | ORP (mV) | Depth to Water | Pumping Rate |
| 0825 | Began Ruge | | | | | | | 2.41 | |
| 0830 | | 119 | 7.58 | 19.10 | 0.95 | 0.715 | -53 | 2.86 | |
| 0835 | 0.5 | 110 | 7.40 | 18.92 | 0.00 | 0.725 | -83 | 3.12 | |
| 0840 | | 95.2 | 7.39 | 18.61 | 0.00 | 0.734 | -84 | 3.30 | |
| 0845 | 10 | 85.6 | 7.31 | 18.63 | 10.0 | 0.134 | -85 | 3.37 | |
| 0850 | | 80.6 | 7.36 | 18.81 | 0.00 | 0.137 | -86 | 3.46 | |
| 0855 | 1.5 | 75.6 | 7.28 | 18.57 | 0.03 | 0.740 | -83 | 3.62 | |
| 0900 | | 74.5 | 7.28 | 18.57 | 0.00 | 0.740 | -87 | 3.77 | |
| 0905 | 2.0 | 73.4 | 7.27 | 18.54 | 0.00 | 0.740 | -88 | 3.91 | |
| 0910 | | 66.2 | 7.23 | 18.46 | 0.01 | 0.742 | -85 | 4.03 | |
| 0915 | 2.5 | 65.0 | 7.22 | 18.39 | 0.00 | 0.741 | -86 | 4.16 | |
| 0920 | | 66.8 | 7.21 | 18.33 | 0.00 | 0.743 | -87 | 4.22 | |
| 0915 | 3.0 | 66.9 | 7.21 | 18.32 | 0.01 | 0.740 | -88 | 4.26 | |
| 1930 | | 65.4 | 7.19 | 18.29 | 0.00 | 0.740 | -87 | 4.31 | |
| | Ended purge | | | | | | | | |
| | | | | | | | | | |



LABORATORY ANALYTICAL REPORTS



March 13, 2023 (Revised 4-18-2023)

Brittany O'Brien-Drake New York State Department of Environmental Conservation 625 Broadway Albany, NY 12233

RE: Site Summary Report (Rev. 4-18-2023) Algonquin Middle School PFAS Assessment #2105197 Cooper Tire, 20 Chain Mountain Way, Poestenkill, NY Tax parcel ID: 136.-9-33

Aztech Environmental Technologies Inc. (Aztech), a LaBella company, has provided this report to document overburden soil and groundwater assessment methodologies and sampling results for the above referenced location. All field investigation activities were performed at the discretion of and in accordance with the scope of work (SOW) developed and provided by the New York State Department of Environmental Conservation (NYSDEC).

The property is currently utilized by Cooper Tire (CT) as a used auto parts business with operations located on the majority of the property. The approximate 14.02-acre parcel is located along the eastern side of Chain Mountain Way and west of NY RT 351. The property has a downward gradient from east to west, towards Chain Mountain Way and the central portion of the property is relatively flat. A garage/residence is located on the southern portion of the property. The attached **Figure 1** depicts property features and boundaries.

Overburden soil encountered during drilling activities consisted primarily of fine sand and silt with some gravel and clay. Various amounts of shale fragments typically increased in depth to tooling refusal. Shale fragments in the sampler shoe at terminal boring depth is noted on boring logs. The property contains numerous exposures of fractured shale bedrock and has been excavated in areas to create flat surfaces for auto parts storage.

Prior to intrusive groundwork, a UDig NY utility clearance ticket was ordered for the property. Additionally, a private utility locating contractor performed utility clearance with ground penetrating radar (GPR) at each boring location on August 9, 2022. Boring locations confirmed as clear were painted white and marked with a white flag.

SUMMARY OF FIELD INVESTIGATIONS:

Air monitoring

Air monitoring was conducted during all ground-intrusive work at the property (August 19, 2022) in accordance with the New York State Department of Health (NYSDOH) Generic Community Air Monitoring Plan (CAMP). One dedicated Dust Trak unit with photo-ionization detector (PID) was positioned upwind with a second dedicated unit placed downwind at each boring location. No exceedances for volatile organic compounds (VOCs) or particulates were recorded.

Soil Boring and Monitoring Well Installation

On August 19, 2022, Clean Globe Environmental (CGE) advanced soil borings (CT-SB-01 through CT-SB-07) utilizing a Geoprobe 7822DT and direct-push techniques to terminal depths ranging from 1.0 to 21.5 feet below grade (fbg). All boring locations, with the exception of CT-SB-02, confirmed shallow depth to bedrock at 9 fbg or less. CT-SB-02 was advanced in a mixture of clay, gravel, and wood to refusal drill



tooling refusal at 19 fbg. At the request of NYSDEC, CT-SB-02 was side-stepped at 19 fbg and macro cored until refusal at 21.5 fbg. Fill material, consisting of organic matter, wood, cobbles, and glass fragments, was encountered in soil boring CT-SB-02 ranging in depth from 3.0 to 21.5 fbg. Of the seven (7) total boring locations, one (1) was converted to a monitoring well (CT-SB-01). Aztech provided oversight of drilling activities and performed soil headspace screening, soil classification, and both soil and groundwater sampling.

The monitoring well (CT-OW-O1) was installed by over-drilling the borehole utilizing 4 ¼" inner diameter (ID) hollow stem augers. The well assembly consisted of 2-inch polyvinyl chloride (PVC) 10-slot screen set to straddle the water table and casing to grade. A number 2 filtration sand was installed to fill the borehole annulus to approximately one (1) to two (2) feet above the screened interval. Bentonite chips were added atop the sand to seal the casing from surface water intrusion and subsequently hydrated with certified per-and polyfluoroalkyl substance (PFAS)-free water. Native soil and well sand were added as needed to the finish grade. The well was finished within a steel stick-up. The newly installed groundwater monitoring well specifications are presented below in **Table 1.** Individual boring logs are attached. The monitoring well location is depicted on the attached Figure 1. An attempt to develop CT-OW-O1 was made on September 28, 2022 using a bailer to remove a targeted 10 well volumes. However, the monitoring well went dry at approximately 0.5 gallons.

| TABLE 1 Monitoring Well Specifications | | | | | | | | | | | | |
|--|-------------------|------------------|----------------------|----------------------------|-------------------|------------------|--|--|--|--|--|--|
| Well ID | Borehole Depth | Well Diameter | Screened Interval | Sand Packed Interval | Bentonite Seal | Observed DTW* | | | | | | |
| | (Feet) | (Inches) | (Feet) | (Feet) | (Feet) | (Feet) | | | | | | |
| WM-0W-01 | 9 | 2 | 9.0 - 4.0 | 9.0 - 2.0 | 2.0 - 1.0 | Dry | | | | | | |
| Notes: | | | | | | | | | | | | |
| Well drilled/installed by Clean Globe Environmental (CGE) | | | | | | | | | | | | |
| *Depth to Water (DTW) as measured on September 28, 2022 from top of casing (TOC) | | | | | | | | | | | | |

Surface Soil Sampling

On August 19, 2022, one (1) surface soil sample (CT-SS-01) was collected with a decontaminated stainless-steel trowel from the naturally formed stormwater swale. The surface soil sample was analyzed for PFAS compounds by analytical method 537M. The approximate location of the sample is depicted on Figure 1.

Soil Sampling

Individual soil samples were visually classified and headspace screened with a PID calibrated to a 100 part per million (ppm) isobutylene calibrant gas. Soil samples from select boring locations were collected from the following depth intervals:

- Surface grade to 2 -inch below grade (BG), beneath vegetative cover,
- 2-inch BG to 12-inch BG, and
- Air/water interface (water table) as observed in borehole.

The actual number of soil samples was dependent on field conditions. A total of sixteen (16) depth discrete subsurface soil samples were collected from the seven (7) soil borings and analyzed for PFAS compounds by analytical method 537M for soil. A soil sample collected from the 2-12" interval of boring CT-SB-02 was analyzed using the Synthetic Precipitation Leaching Procedure (SPLP) by Environmental Protection Agency (EPA) Method 1312 and the leachate subsequently analyzed for PFAS compounds by analytical method 537M. SPLP PFAS results are not considered reportable as it was determined that Con-



Test (a Pace Analytical Laboratory at East Longmeadow, MA and the NYSDEC's contracted lab for this project) did not hold the appropriate ELAP certification for EPA Method 1312 at the time of analysis.

Additional samples collected for the purpose of quality assurance/quality control (QA/QC) included one (1) equipment blank, one (1) matrix spike/matrix spike duplicate (MS/MSD), and one (1) field duplicate. The attached boring logs reference the parent sample for the field duplicate. The equipment blank collected on August 19, 2022 via the stainless-steel soil mixing bowl. Laboratory analytical results for the equipment blank sample did not record any compounds above the laboratory's minimum reporting limit (RL). Refer to **Table 2** for additional details.

Groundwater Sampling

One (1) groundwater sample was collected on September 28, 2022 from the newly installed overburden groundwater monitoring well, CT-OW-O1. Due to an insufficient volume of groundwater in the monitoring well, purging and water quality field parameters (temperature, pH, specific conductance, oxygen-reduction potential (ORP), dissolved oxygen (DO), and turbidity) could not be conducted prior to sample collection. Aztech collected one groundwater sample from CT-OW-O1 using a bailer prior to the monitoring well going dry. The sample was immediately placed on ice and transferred to Eurofins TestAmerica under chain of custody protocols. The groundwater sample was analyzed for PFAS compounds by EPA Method 537M.

DISCUSSION OF ANALYTICAL RESULTS

STANDARDS, CRITERIA, & GUIDANCE VALUES:

The following documents will be used to evaluate soil, groundwater, surface water, and sediment analytical results:

- Soil
 - Unrestricted Use and Residential Use soil guidance values from NYSDEC Sampling, Analysis, and Assessment of PFAS Under NYSDEC's Part 375 Remedial Programs, November 2022.

Groundwater

- Screening levels identified in NYSDEC Sampling, Analysis, and Assessment of PFAS Under NYSDEC's Part 375 Remedial Programs, November 2022
- New York State Department of Environmental Conservation, Technical and Operational Guidance Series (1.1.1), Class GA Standards and Guidance Values, Revised (TOGS 1.1.1), June 1998
- New York State Drinking Water Maximum Contaminant Level (MCL) for PFOA (10 ppt), PFOS (10 ppt), and 1,4-dioxane (1 ppb)

It is noted that the NYSDEC Standards, Criteria, & Guidance Values are listed in concentrations of parts per trillion (ppt), parts per billion (ppb), and parts per million (ppm) while laboratory analytical results are reported in equivalent concentrations. For example,

- In soil:
 - 1 ppt = 1 nanogram per kilogram (ng/kg),
 - \circ 1 ppb = microgram per kilogram (µg/kg), and
 - \circ 1 ppm = milligram per kilogram (mg/kg)
- In water:
 - 1 ppt = nanogram per liter (ng/L),
 - \circ 1 ppb = microgram per liter (µg/L), and
 - \circ 1 ppm = milligram per liter (mg/L).

Soil Results:

A total of 17 soil samples were collected and analyzed for PFAS compounds by analytical method 537M. Sixteen samples had one or more compounds detected. PFOA was recorded in three (3) samples at concentrations that are in excess of the Unrestricted Use guidance value of 0.66 ug/kg. These are CT-SB-01 (0.91 ug/kg), CT-SB-05 (3.4 ug/kg), and CT-SS-01 (1.8 ug/kg). PFOA was recorded in 11 soil samples



at concentrations ranging from an estimated 0.18 μ g/kg to 0.66 μ g/kg. Each of these concentrations are equal to or below the Unrestricted Use guidance value of 0.66 μ g/kg. PFOS was recorded in 12 samples and ranged in concentration from an estimated 0.17 μ g/kg to 0.6 μ g/kg. Each of these concentrations are below the Unrestricted Use guidance value of 0.88 μ g/kg.

PFAS compounds that were detected but do not have corresponding criteria include: 1H,1H,2H,2Hperfluorodecane sulfonic acid, PFBA, PDFA, PFHpA, PFHxA, PFNA, PFPeA, and PFUnA. The maximum concentration recorded for compounds without criteria was 1H,1H,2H,2H-perfluorodecane sulfonic acid at 0.69 μ g/kg. Refer to **Table 3** for additional details. Refer to **Appendix A** for the laboratory analytical reports.

Groundwater Results:

The groundwater sample collected from the monitoring well CT-OW-O1 on September 28, 2022 reported all PFAS compound concentrations below the laboratory RL and the 10 ng/L (ppt) drinking water MCL which is currently used as a screening level for surface water and groundwater results. However, reporting limits were elevated, ranging from 47 ng/L (ppt) to 120 ng/L (ppt), due to the turbidity of the sample. Refer to **Table 4** for additional details. Refer to Appendix A for the laboratory analytical reports

Further discussion on the findings and conclusions of the investigation of the Cooper Tire property are discussed within the main PFAS assessment report provided by CDM Smith.

This report was prepared by Aztech with review and editorial input by the NYSDEC.

Respectfully submitted,

Aztech Environmental Technologies (a LaBella Company)

im Vavenchak

Sierra Vaverchak Environmental Geologist

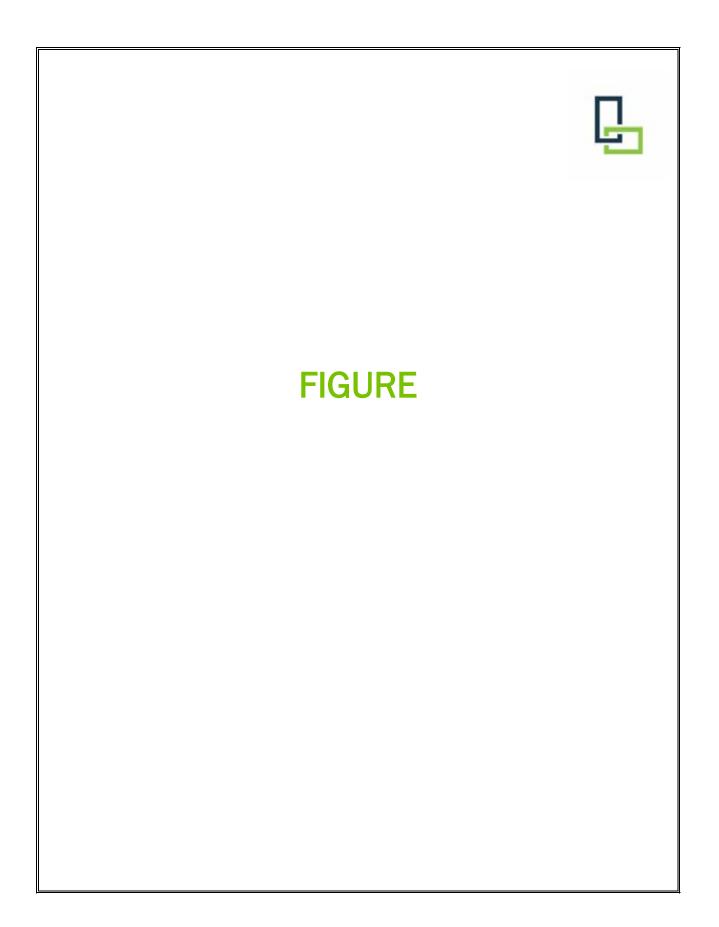
I Randy Hoose certify that I am currently a Qualified Environmental Professional as defined in 6 NYCRR Part 375 and that this Report was prepared in accordance with all applicable statutes and regulations and in substantial conformance with the DER Technical Guidance for Site Investigation and Remediation (DER-10). All investigation and activities were performed in full accordance with the work plan provided by the NYSDEC.

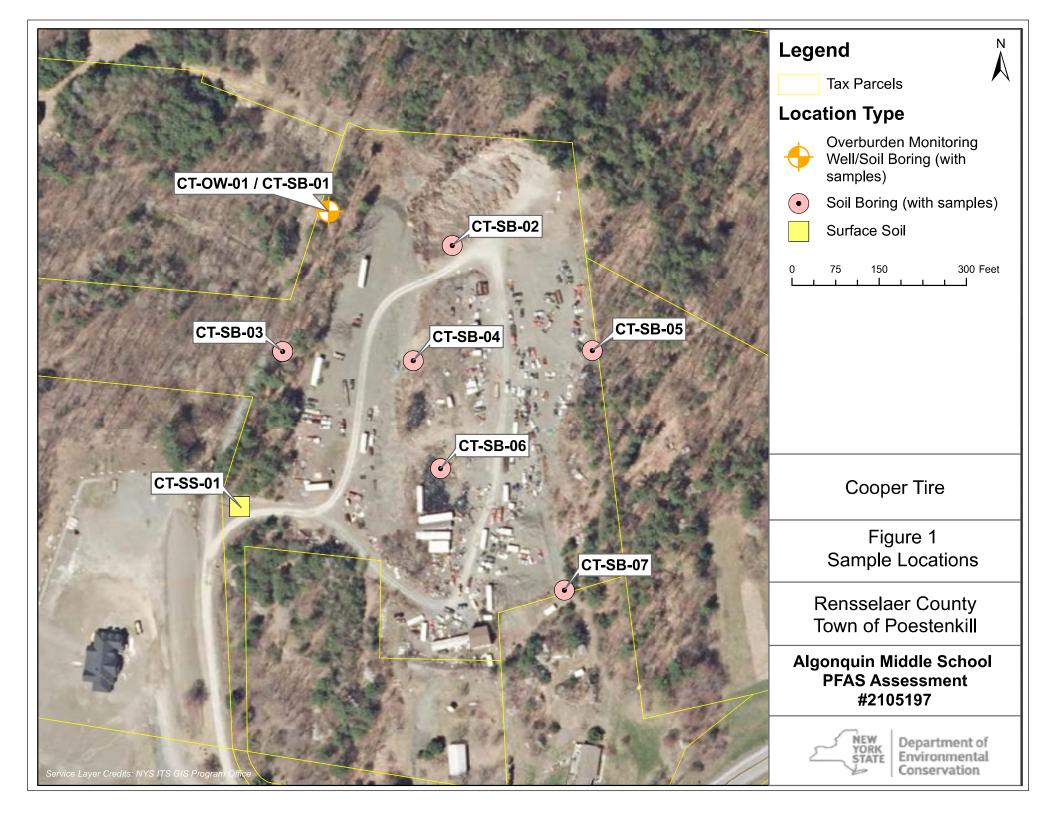
may Hoor

Randy Hoose, P.G. Senior Hydrogeologist

Attachments:

Figure 1 – Site Map Table 2 – Equipment Blank, PFAS Results Table 3 – Soil, PFAS Results Table 4 – Groundwater, PFAS Results Boring Logs Appendix – A: Laboratory Analytical Reports





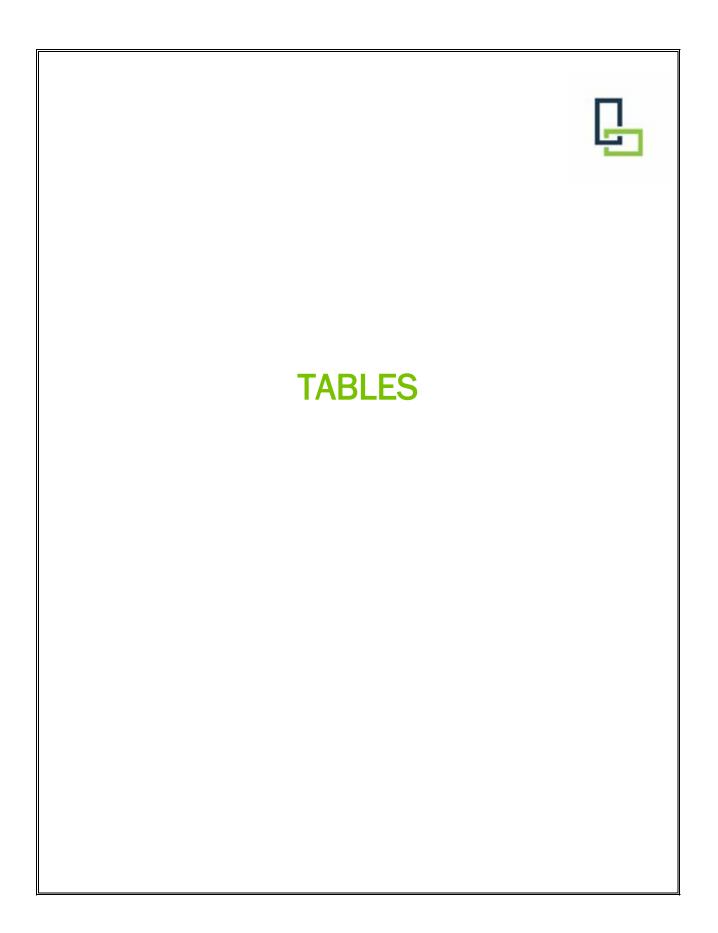


Table 2 Cooper Tire Disposal Area Equipment Blank, PFAS Results

| | | Client Sample ID: Lab Sample ID: Sample Date: Sample Type Code: | | |
|--|------|--|--------|-----------|
| Analyte | Unit | NYSDEC Guidelines ¹ | Result | Qualifier |
| 11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11CI-PF3OUdS) | ng/L | NC | < 0.55 | U |
| 1H,1H, 2H, 2H-Perfluorodecane sulfonic acid | ng/L | NC | < 0.52 | U |
| 1H,1H, 2H, 2H-Perfluorohexane sulfonic acid | ng/L | NC | < 0.24 | U |
| 1H,1H, 2H, 2H-Perfluorooctane sulfonic acid | ng/L | NC | < 0.32 | U |
| 4,8-Dioxa-3H-perfluorononanoic acid (ADONA) | ng/L | NC | < 0.3 | U |
| 9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid (9CI-PF3ONS) | ng/L | NC | < 0.34 | U |
| Hexafluoropropylene oxide dimer acid (HFPO-DA) | ng/L | NC | < 0.21 | U |
| N-deuterioethylperfluoro-1-octanesulfonamidoacetic acid | ng/L | NC | < 0.54 | U |
| N-deuteriomethylperfluoro-1-octanesulfonamidoacetic acid | ng/L | NC | < 0.66 | U |
| N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA) | ng/L | NC | NA | |
| N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA) | ng/L | NC | NA | |
| Nonafluoro-3,6-dioxaheptanoic acid (NFDHA) | ng/L | NC | < 0.24 | U |
| Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA) | ng/L | NC | < 0.2 | U |
| Perfluoro-1-butanesulfonamide (FBSA) | ng/L | NC | < 0.16 | U |
| Perfluoro-1-hexanesulfonamide (FHxSA) | ng/L | NC | < 0.27 | U |
| Perfluoro-3-methoxypropanoic acid (PFMPA) | ng/L | NC | < 0.36 | U |
| Perfluoro-4-methoxybutanoic acid (PFMBA) | ng/L | NC | < 0.29 | U |
| Perfluorobutanesulfonic acid (PFBS) | ng/L | NC | < 0.24 | U |
| Perfluorobutanoic Acid (PFBA) | ng/L | NC | < 0.64 | U |
| Perfluorodecanesulfonic acid (PFDS) | ng/L | NC | < 0.28 | U |
| Perfluorodecanoic acid (PFDA) | ng/L | NC | < 0.42 | U |
| Perfluorododecanoic acid (PFDoA) | ng/L | NC | < 0.38 | U |
| Perfluoroheptanesulfonic acid (PFHpS) | ng/L | NC | < 0.81 | U |
| Perfluoroheptanoic acid (PFHpA) | ng/L | NC | < 0.3 | U |
| Perfluorohexanesulfonic acid (PFHxS) | ng/L | NC | < 0.29 | U |
| Perfluorohexanoic acid (PFHxA) | ng/L | NC | < 0.33 | U |
| Perfluorononanesulfonic Acid (PFNS) | ng/L | NC | < 0.14 | U |
| Perfluorononanoic acid (PFNA) | ng/L | NC | < 0.3 | U |
| Perfluorooctane Sulfonamide (PFOSA) | ng/L | NC | < 0.36 | U |
| Perfluorooctanesulfonic acid (PFOS) | ng/L | 10 | < 0.52 | U |
| Perfluorooctanoic acid (PFOA) | ng/L | 10 | < 0.59 | U |
| Perfluoropentanesulfonic Acid (PFPeS) | ng/L | NC | < 0.22 | U |
| Perfluoropentanoic Acid (PFPeA) | ng/L | NC | < 0.34 | U |
| Perfluorotetradecanoic acid (PFTeDA) | ng/L | NC | < 0.32 | U |
| Perfluorotridecanoic Acid (PFTriA/PFTrDA) | ng/L | NC | < 0.24 | U |
| Perfluoroundecanoic Acid (PFUnA) | ng/L | NC | < 0.32 | U |

Notes:

¹New York State Department of Environmental Conservation, *Sampling, Analysis, and Assessment of Per- and*

Polyfluoroalkyl Substances (PFAS), November 2022

Sample Type Code: EB - Equipment Blank

ng/L - nanogram per liter = parts per trillion (ppt)

NC - No criteria currently exists

NA - Compound was not analyzed for

U - Compound was not detected at the reporting limit shown

J - An estimated value

Bold - Indicates the compound was detected

Highlighted - Indicates the compound was detected above applicable NYSDEC Standards, Criteria, & Guidance Values

Table 3 Cooper Tire Disposal Area Soil, PFAS Results

| | | | Client Sample ID: | | 01 0-12IN | | 1 2-12IN | | 1 96-108IN | | 02 0-2IN | | 2 2-12IN |
|--|----------|-----------------------------|--------------------------|---------|-----------|---------|-----------|---------|------------|---------|----------|---------|----------|
| | | | Lab Sample ID: | | 262-01 | | 262-02 | | .262-03 | | 262-07 | | 262-08 |
| | | | Location ID: | _ | SB-01 | | SB-01 | - | SB-01 | | SB-02 | | B-02 |
| | | | Sample Date: | | /2022 | | /2022 | | 9/2022 | | /2022 | 8/19/ | |
| | 1 | | Sample Type Code: | | N | | N | | Ν | | N | 1 | N |
| Analyte | Unit | Unrestricted Use | Residential Use Guidance | Result | Qualifer | Result | Qualifer | Result | Qualifer | Result | Qualifer | Result | Qualifer |
| Analyte | onic | Guidance Value ¹ | Value ¹ | nesure | Quanter | nesure | Qualifici | nesure | Qualifier | Result | Quanter | Result | Quanter |
| 11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid | μg/kg | NC | NC | < 0.13 | U | < 0.13 | U | < 0.14 | U | < 0.13 | U | < 0.13 | U |
| 1H,1H, 2H, 2H-Perfluorodecane sulfonic acid | μg/kg | NC | NC | < 0.12 | U | < 0.12 | U | < 0.13 | U | < 0.12 | U | < 0.12 | U |
| 1H,1H, 2H, 2H-Perfluorohexane sulfonic acid | μg/kg | NC | NC | < 0.084 | U | < 0.084 | U | < 0.09 | U | < 0.087 | U | < 0.088 | U |
| 1H,1H, 2H, 2H-Perfluorooctane sulfonic acid | μg/kg | NC | NC | < 0.1 | U | < 0.1 | U | < 0.11 | U | < 0.11 | U | < 0.11 | U |
| 4,8-Dioxa-3H-perfluorononanoic acid (ADONA) | μg/kg | NC | NC | < 0.15 | U | < 0.15 | U | < 0.16 | U | < 0.15 | U | < 0.15 | U |
| 9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid | μg/kg | NC | NC | < 0.11 | U | < 0.11 | U | < 0.12 | U | < 0.12 | U | < 0.12 | U |
| Hexafluoropropylene oxide dimer acid (HFPO-DA) | μg/kg | NC | NC | < 0.22 | U | < 0.22 | U | < 0.23 | U | < 0.23 | U | < 0.23 | U |
| N-deuterioethylperfluoro-1-octanesulfonamidoacetic acid | μg/kg | NC | NC | < 0.13 | U | < 0.13 | U | < 0.14 | U | < 0.13 | U | < 0.13 | U |
| N-deuteriomethylperfluoro-1-octanesulfonamidoacetic acid | µg/kg | NC | NC | < 0.083 | U | < 0.083 | U | < 0.089 | U | < 0.086 | U | < 0.086 | U |
| Nonafluoro-3,6-dioxaheptanoic acid | μg/kg | NC | NC | < 0.071 | U | < 0.071 | U | < 0.076 | U | < 0.073 | U | < 0.074 | U |
| Perfluoro(2-ethoxyethane)sulfonic acid | μg/kg | NC | NC | < 0.075 | U | < 0.075 | U | < 0.08 | U | < 0.078 | U | < 0.078 | U |
| Perfluoro-1-butanesulfonamide (FBSA) | µg/kg | NC | NC | < 0.14 | U | < 0.15 | U | < 0.15 | U | < 0.15 | U | < 0.15 | U |
| Perfluoro-1-hexanesulfonamide (FHxSA) | µg/kg | NC | NC | < 0.14 | U | < 0.14 | U | < 0.15 | U | < 0.14 | U | < 0.14 | U |
| Perfluoro-3-methoxypropanoic acid | µg/kg | NC | NC | < 0.086 | U | < 0.086 | U | < 0.092 | U | < 0.089 | U | < 0.09 | U |
| Perfluoro-4-methoxybutanoic acid | µg/kg | NC | NC | < 0.084 | U | < 0.084 | U | < 0.09 | U | < 0.087 | U | < 0.088 | U |
| Perfluorobutanesulfonic acid (PFBS) | µg/kg | NC | NC | < 0.07 | U | < 0.07 | U | < 0.075 | U | < 0.072 | U | < 0.073 | U |
| Perfluorobutanoic Acid (PFBA) | µg/kg | NC | NC | 0.51 | | < 0.061 | U | < 0.065 | U | < 0.063 | U | < 0.063 | U |
| Perfluorodecanesulfonic acid (PFDS) | µg/kg | NC | NC | < 0.11 | U | < 0.11 | U | < 0.11 | U | < 0.11 | U | < 0.11 | U |
| Perfluorodecanoic acid (PFDA) | µg/kg | NC | NC | 0.076 | 1 | < 0.059 | U | < 0.063 | U | 0.09 | l | < 0.061 | U |
| Perfluorododecanoic acid (PFDoA) | µg/kg | NC | NC | < 0.07 | U | < 0.07 | U | < 0.075 | U | < 0.072 | U | < 0.073 | U |
| Perfluoroheptanesulfonic acid (PFHpS) | µg/kg | NC | NC | < 0.14 | U | < 0.14 | U | < 0.15 | U | < 0.14 | U | < 0.14 | U |
| Perfluoroheptanoic acid (PFHpA) | µg/kg | NC | NC | 0.26 | J | < 0.066 | U | < 0.07 | U | < 0.068 | U | < 0.069 | U |
| Perfluorohexanesulfonic acid (PFHxS) | µg/kg | NC | NC | < 0.073 | U | < 0.073 | U | < 0.078 | U | < 0.076 | U | < 0.076 | U |
| Perfluorohexanoic acid (PFHxA) | µg/kg | NC | NC | 0.22 | 1 | < 0.085 | U | < 0.091 | U | < 0.088 | U | < 0.089 | U |
| Perfluorononanesulfonic Acid (PFNS) | µg/kg | NC | NC | < 0.12 | U | < 0.12 | U | < 0.13 | U | < 0.13 | U | < 0.13 | U |
| Perfluorononanoic acid (PFNA) | µg/kg | NC | NC | 0.26 | 1 | < 0.075 | U | < 0.08 | U | 0.11 | l | 0.086 | 1 |
| Perfluorooctane Sulfonamide (FOSA) | µg/kg | NC | NC | < 0.089 | U | < 0.089 | U | < 0.095 | U | < 0.092 | U | < 0.093 | U |
| Perfluorooctanesulfonic acid (PFOS) | µg/kg | 0.88 | 8.8 | 0.43 | J | < 0.062 | U | < 0.066 | U | 0.46 | J | 0.29 | l |
| Perfluorooctanoic acid (PFOA) | µg/kg | 0.66 | 6.6 | 0.91 | | 0.18 | J | < 0.14 | U | 0.22 | | 0.19 | |
| Perfluoropentanesulfonic Acid (PFPeS) | µg/kg | NC | NC | < 0.067 | U | < 0.067 | U | < 0.071 | U | < 0.069 | U | < 0.07 | U |
| Perfluoropentanoic Acid (PFPeA) | µg/kg | NC | NC | 0.25 | 1 | < 0.07 | U | < 0.075 | U | 0.1 | J | < 0.073 | U |
| Perfluorotetradecanoic acid (PFTA) | µg/kg | NC | NC | < 0.087 | U | < 0.087 | U | < 0.093 | U | < 0.09 | U | < 0.091 | U |
| Perfluorotridecanoic Acid (PFTriA/PFTrDA) | μg/kg | NC | NC | < 0.1 | U | < 0.1 | Ŭ | < 0.11 | Ŭ | < 0.11 | U | < 0.11 | U |
| Perfluoroundecanoic Acid (PFUnA) | μg/kg | NC | NC | < 0.083 | U | < 0.083 | U | < 0.089 | U. | < 0.086 | u. | < 0.086 | U |
| Notes: | 1 10/ 10 | | | 1.100 | 17 | 1.1.00 | 1 | 1.100 | 1- | 2.200 | 17 | 0.000 | |

Notes:

¹New York State Department of Environmental Conservation, *Sampling, Analysis, and Assessment of Per- and Polyfluoroalkyl*

Substances (PFAS), November 2022

Sample Type Code: N - Normal, FD -Field Duplicate

µg/kg - microgram per kilogram = parts per billion (ppb)

NC - No criteria currently exists

U - Compound was not detected at the reporting limit shown

J - An estimated value

Bold - Indicates the compound was detected

Highlighted - Indicates the compound was detected above Unrestricted Use guidance value

Table 3 Cooper Tire Disposal Area Soil, PFAS Results

| | | | Client Sample ID: | CT-SB-02 | 240-246IN | CT-SB-C | 03 0-2IN | CT-SB-0 | 3 2-12IN | CT-SB-0 | 3 60-72IN | CT-SB-0 | 04 0-2IN | CT-SB-05 0-2IN | |
|--|-------|-----------------------------|--------------------------|----------|-----------|----------|----------|----------|----------|----------|-----------|---------|----------|----------------|----------|
| | | | Lab Sample ID: | | 262-09 | | 262-04 | | 262-05 | | 262-06 | | 262-15 | | 262-13 |
| | | | Location ID: | | SB-02 | CT-SB-03 | | CT-SB-03 | | CT-SB-03 | | | B-04 | CT-SB-05 | |
| | | | Sample Date: | - | 9/2022 | 8/19/ | | 8/19/ | | | /2022 | | /2022 | | /2022 |
| | | | Sample Type Code: | | N | | N 1022 | 0,13, | | | N 2022 | | N | | N 2022 |
| | | Unrestricted Use | Residential Use Guidance | | | | N | | • | | | | v | | |
| Analyte | Unit | Guidance Value ¹ | Value ¹ | Result | Qualifer | Result | Qualifer | Result | Qualifer | Result | Qualifer | Result | Qualifer | Result | Qualifer |
| 11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid | μg/kg | NC | NC | < 0.15 | U | < 0.14 | U | < 0.13 | U | < 0.13 | U | < 0.13 | U | < 0.13 | U |
| 1H,1H, 2H, 2H-Perfluorodecane sulfonic acid | μg/kg | NC | NC | < 0.14 | U | < 0.13 | U | < 0.12 | U | < 0.12 | U | < 0.12 | U | < 0.12 | U |
| 1H,1H, 2H, 2H-Perfluorohexane sulfonic acid | μg/kg | NC | NC | < 0.097 | U | < 0.091 | U | < 0.088 | U | < 0.084 | U | < 0.084 | U | < 0.087 | U |
| 1H,1H, 2H, 2H-Perfluorooctane sulfonic acid | µg/kg | NC | NC | < 0.12 | U | 0.69 | | < 0.11 | U | < 0.1 | U | < 0.1 | U | < 0.11 | U |
| 4,8-Dioxa-3H-perfluorononanoic acid (ADONA) | µg/kg | NC | NC | < 0.17 | U | < 0.16 | U | < 0.15 | U | < 0.15 | U | < 0.15 | U | < 0.15 | U |
| 9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid | µg/kg | NC | NC | < 0.13 | U | < 0.12 | U | < 0.12 | U | < 0.11 | U | < 0.11 | U | < 0.12 | U |
| Hexafluoropropylene oxide dimer acid (HFPO-DA) | μg/kg | NC | NC | < 0.25 | U | < 0.24 | U | < 0.23 | U | < 0.22 | U | < 0.22 | U | < 0.23 | U |
| N-deuterioethylperfluoro-1-octanesulfonamidoacetic acid | µg/kg | NC | NC | < 0.15 | U | < 0.14 | U | < 0.13 | U | < 0.13 | U | < 0.13 | U | < 0.13 | U |
| N-deuteriomethylperfluoro-1-octanesulfonamidoacetic acid | μg/kg | NC | NC | < 0.096 | U | < 0.09 | U | < 0.086 | U | < 0.083 | U | < 0.083 | U | < 0.086 | U |
| Nonafluoro-3,6-dioxaheptanoic acid | µg/kg | NC | NC | < 0.082 | U | < 0.077 | U | < 0.074 | U | < 0.071 | U | < 0.071 | U | < 0.073 | U |
| Perfluoro(2-ethoxyethane)sulfonic acid | μg/kg | NC | NC | < 0.087 | U | < 0.081 | U | < 0.078 | U | < 0.075 | U | < 0.075 | U | < 0.077 | U |
| Perfluoro-1-butanesulfonamide (FBSA) | µg/kg | NC | NC | < 0.17 | U | < 0.16 | U | < 0.15 | U | < 0.14 | U | < 0.14 | U | < 0.15 | U |
| Perfluoro-1-hexanesulfonamide (FHxSA) | μg/kg | NC | NC | < 0.16 | U | < 0.15 | U | < 0.14 | U | < 0.14 | U | < 0.14 | U | < 0.14 | U |
| Perfluoro-3-methoxypropanoic acid | µg/kg | NC | NC | < 0.1 | U | < 0.093 | U | < 0.09 | U | < 0.086 | U | < 0.086 | U | < 0.089 | U |
| Perfluoro-4-methoxybutanoic acid | µg/kg | NC | NC | < 0.097 | U | < 0.091 | U | < 0.088 | U | < 0.084 | U | < 0.084 | U | < 0.087 | U |
| Perfluorobutanesulfonic acid (PFBS) | ug/kg | NC | NC | < 0.081 | U | < 0.076 | U | < 0.073 | U | < 0.07 | U | < 0.07 | U | < 0.072 | U |
| Perfluorobutanoic Acid (PFBA) | μg/kg | NC | NC | < 0.07 | U | 0.22 | J | 0.098 | J | < 0.061 | U | < 0.06 | U | 0.22 | J |
| Perfluorodecanesulfonic acid (PFDS) | µg/kg | NC | NC | < 0.12 | U | < 0.12 | U | < 0.11 | U | < 0.11 | U | < 0.11 | U | < 0.11 | U |
| Perfluorodecanoic acid (PFDA) | μg/kg | NC | NC | < 0.068 | U | 0.098 | J | < 0.061 | U | < 0.059 | U | < 0.058 | U | 0.08 | J |
| Perfluorododecanoic acid (PFDoA) | µg/kg | NC | NC | < 0.081 | U | < 0.076 | U | < 0.073 | U | < 0.07 | U | < 0.07 | U | < 0.072 | U |
| Perfluoroheptanesulfonic acid (PFHpS) | μg/kg | NC | NC | < 0.16 | U | < 0.15 | U | < 0.14 | U | < 0.14 | U | < 0.14 | U | < 0.14 | U |
| Perfluoroheptanoic acid (PFHpA) | μg/kg | NC | NC | 0.08 | 1 | 0.14 | J | 0.18 | J | 0.087 | J | < 0.065 | U | 0.14 | J |
| Perfluorohexanesulfonic acid (PFHxS) | μg/kg | NC | NC | < 0.084 | U | < 0.079 | U | < 0.076 | U | < 0.073 | U | < 0.073 | U | < 0.075 | U |
| Perfluorohexanoic acid (PFHxA) | μg/kg | NC | NC | < 0.098 | U | 0.28 | J | 0.19 | J | 0.096 | J | < 0.085 | U | 0.11 | J |
| Perfluorononanesulfonic Acid (PFNS) | μg/kg | NC | NC | < 0.14 | U | < 0.13 | U | < 0.13 | U | < 0.12 | U | < 0.12 | U | < 0.13 | U |
| Perfluorononanoic acid (PFNA) | μg/kg | NC | NC | 0.23 | 1 | 0.20 | 1 | < 0.078 | U | < 0.075 | U | < 0.075 | U | 0.17 | l |
| Perfluorooctane Sulfonamide (FOSA) | µg/kg | NC | NC | < 0.1 | U | < 0.096 | U | < 0.093 | U | < 0.089 | U | < 0.089 | U | < 0.092 | U |
| Perfluorooctanesulfonic acid (PFOS) | μg/kg | 0.88 | 8.8 | 0.45 | 1 | 0.49 | 1 | 0.20 | 1 | 0.17 | 1 | < 0.061 | U | 0.39 | 1 |
| Perfluorooctanoic acid (PFOA) | µg/kg | 0.66 | 6.6 | 0.52 | 1 | 0.52 | | 0.66 | | 0.39 | 1 | 0.18 | 1 | 0.58 | |
| Perfluoropentanesulfonic Acid (PFPeS) | µg/kg | NC | NC | < 0.077 | U | < 0.072 | U | < 0.07 | U | < 0.067 | U | < 0.066 | U | < 0.069 | U |
| Perfluoropentanoic Acid (PFPeA) | µg/kg | NC | NC | < 0.081 | U | 0.24 | l | 0.20 | l | 0.11 | 1 | < 0.07 | U | 0.16 | J |
| Perfluorotetradecanoic acid (PFTA) | µg/kg | NC | NC | < 0.1 | U | < 0.094 | U | < 0.091 | U | < 0.087 | U | < 0.087 | U | < 0.09 | U |
| Perfluorotridecanoic Acid (PFTriA/PFTrDA) | µg/kg | NC | NC | < 0.12 | U | < 0.11 | U | < 0.11 | U | < 0.1 | U | < 0.1 | U | < 0.11 | U |
| Perfluoroundecanoic Acid (PFUnA) | µg/kg | NC | NC | < 0.096 | U | 0.12 | J | < 0.086 | U | < 0.083 | U | < 0.083 | U | < 0.086 | U |
| | 1.0, | - | | | | | | | | | | | | | |

Notes:

¹New York State Department of Environmental Conservation, *Sampling, Analysis, and Assessment of Per- and Polyfluoroalkyl*

Substances (PFAS), November 2022

Sample Type Code: N - Normal, FD -Field Duplicate

µg/kg - microgram per kilogram = parts per billion (ppb)

NC - No criteria currently exists

U - Compound was not detected at the reporting limit shown

J - An estimated value

Bold - Indicates the compound was detected

Highlighted - Indicates the compound was detected above Unrestricted Use guidance value

Table 3 Cooper Tire Disposal Area Soil, PFAS Results

| | | | Client Sample ID: | DUP 20 | 0220819 | CT-SB-0 | 5 2-12IN | CT-SB- | 06 0-2IN | CT-SB- | 07 0-2IN | CT-SB- | 07 2-12IN | CT-SS-01 | 1 20220819 | |
|--|-------|-----------------------------|--------------------------|-----------|----------|---------|----------|----------|----------|------------|----------|-----------|-----------|------------|------------|--|
| | | | Lab Sample ID: | 22H1 | 262-18 | 22H1 | 262-14 | 22H1 | 262-10 | 22H1262-11 | | 22H | 1262-12 | 22H1262-16 | | |
| | | | Location ID: | CT-SB- | 05 0-21N | CT-S | B-05 | CT-SB-06 | | CT-SB-07 | | СТ | -SB-07 | CT- | CT-SS-01 | |
| | | | Sample Date: | 8/19/2022 | | 8/19 | /2022 | 8/19 | /2022 | 8/19 | /2022 | 8/19/2022 | | 8/19/2022 | | |
| | | | Sample Type Code: | FD. | | | N | | N | | N | N | | N | | |
| | | Unrestricted Use | Residential Use Guidance | | | | | | | | | | | | | |
| Analyte | Unit | Guidance Value ¹ | Value ¹ | Result | Qualifer | Result | Qualifer | Result | Qualifer | Result | Qualifer | Result | Qualifer | Result | Qualifer | |
| 11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid | μg/kg | NC | NC | < 0.12 | U | < 0.13 | U | < 0.13 | U | < 0.12 | U | < 0.13 | U | < 0.13 | U | |
| 1H,1H, 2H, 2H-Perfluorodecane sulfonic acid | μg/kg | NC | NC | < 0.12 | U | < 0.12 | U | < 0.12 | U | < 0.11 | U | < 0.12 | U | < 0.12 | U | |
| 1H,1H, 2H, 2H-Perfluorohexane sulfonic acid | μg/kg | NC | NC | < 0.082 | U | < 0.085 | U | < 0.087 | U | < 0.082 | U | < 0.083 | U | < 0.082 | U | |
| 1H,1H, 2H, 2H-Perfluorooctane sulfonic acid | μg/kg | NC | NC | < 0.1 | U | < 0.11 | U | < 0.11 | U | < 0.1 | U | < 0.1 | U | < 0.1 | U | |
| 4,8-Dioxa-3H-perfluorononanoic acid (ADONA) | μg/kg | NC | NC | < 0.14 | U | < 0.15 | U | < 0.15 | U | < 0.14 | U | < 0.14 | U | < 0.14 | U | |
| 9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid | μg/kg | NC | NC | < 0.11 | U | < 0.12 | U | < 0.12 | U | < 0.11 | U | < 0.11 | U | < 0.11 | U | |
| Hexafluoropropylene oxide dimer acid (HFPO-DA) | μg/kg | NC | NC | < 0.21 | U | < 0.22 | U | < 0.23 | U | < 0.21 | U | < 0.22 | U | < 0.22 | U | |
| N-deuterioethylperfluoro-1-octanesulfonamidoacetic acid | μg/kg | NC | NC | < 0.13 | U | < 0.13 | U | < 0.13 | U | < 0.12 | U | < 0.13 | U | < 0.13 | U | |
| N-deuteriomethylperfluoro-1-octanesulfonamidoacetic acid | μg/kg | NC | NC | < 0.081 | U | < 0.084 | U | < 0.086 | U | < 0.081 | U | < 0.082 | U | < 0.081 | U | |
| Nonafluoro-3,6-dioxaheptanoic acid | μg/kg | NC | NC | < 0.069 | U | < 0.072 | U | < 0.073 | U | < 0.069 | U | < 0.07 | U | < 0.07 | U | |
| Perfluoro(2-ethoxyethane)sulfonic acid | μg/kg | NC | NC | < 0.073 | U | < 0.076 | U | < 0.077 | U | < 0.073 | U | < 0.074 | U | < 0.074 | U | |
| Perfluoro-1-butanesulfonamide (FBSA) | μg/kg | NC | NC | < 0.14 | U | < 0.15 | U | < 0.15 | U | < 0.14 | U | < 0.14 | U | < 0.14 | U | |
| Perfluoro-1-hexanesulfonamide (FHxSA) | µg/kg | NC | NC | < 0.13 | U | < 0.14 | U | < 0.14 | U | < 0.13 | U | < 0.14 | U | < 0.14 | U | |
| Perfluoro-3-methoxypropanoic acid | μg/kg | NC | NC | < 0.084 | U | < 0.087 | U | < 0.089 | U | < 0.084 | U | < 0.084 | U | < 0.084 | U | |
| Perfluoro-4-methoxybutanoic acid | µg/kg | NC | NC | < 0.082 | U | < 0.085 | U | < 0.087 | U | < 0.082 | U | < 0.083 | U | < 0.082 | U | |
| Perfluorobutanesulfonic acid (PFBS) | μg/kg | NC | NC | < 0.068 | U | < 0.071 | U | < 0.072 | U | < 0.068 | U | < 0.069 | U | < 0.069 | U | |
| Perfluorobutanoic Acid (PFBA) | μg/kg | NC | NC | 0.081 | J | < 0.061 | U | < 0.063 | U | < 0.059 | U | < 0.06 | U | < 0.06 | U | |
| Perfluorodecanesulfonic acid (PFDS) | µg/kg | NC | NC | < 0.1 | U | < 0.11 | U | < 0.11 | U | < 0.1 | U | < 0.1 | U | < 0.1 | U | |
| Perfluorodecanoic acid (PFDA) | μg/kg | NC | NC | 0.085 | J | < 0.059 | U | < 0.061 | U | < 0.057 | U | < 0.058 | U | < 0.058 | U | |
| Perfluorododecanoic acid (PFDoA) | µg/kg | NC | NC | < 0.068 | U | < 0.071 | U | < 0.072 | U | < 0.068 | U | < 0.069 | U | < 0.069 | U | |
| Perfluoroheptanesulfonic acid (PFHpS) | μg/kg | NC | NC | < 0.13 | U | < 0.14 | U | < 0.14 | U | < 0.13 | U | < 0.13 | U | < 0.13 | U | |
| Perfluoroheptanoic acid (PFHpA) | μg/kg | NC | NC | 0.12 | J | < 0.067 | U | < 0.068 | U | < 0.064 | U | < 0.065 | U | < 0.065 | U | |
| Perfluorohexanesulfonic acid (PFHxS) | μg/kg | NC | NC | < 0.071 | U | < 0.074 | U | < 0.075 | U | < 0.071 | U | < 0.072 | U | < 0.072 | U | |
| Perfluorohexanoic acid (PFHxA) | μg/kg | NC | NC | 0.096 | J | < 0.086 | U | < 0.088 | U | < 0.083 | U | < 0.084 | U | < 0.083 | U | |
| Perfluorononanesulfonic Acid (PFNS) | μg/kg | NC | NC | < 0.12 | U | < 0.12 | U | < 0.13 | U | < 0.12 | U | < 0.12 | U | < 0.12 | U | |
| Perfluorononanoic acid (PFNA) | µg/kg | NC | NC | 0.13 | J | < 0.076 | U | < 0.077 | U | < 0.073 | U | < 0.074 | U | < 0.074 | U | |
| Perfluorooctane Sulfonamide (FOSA) | μg/kg | NC | NC | < 0.087 | U | < 0.09 | U | < 0.092 | U | < 0.086 | U | < 0.087 | U | < 0.087 | U | |
| Perfluorooctanesulfonic acid (PFOS) | μg/kg | 0.88 | 8.8 | 0.35 | J | < 0.062 | U | 0.60 | | 0.19 | J | 0.1 | B J | < 0.061 | U | |
| Perfluorooctanoic acid (PFOA) | µg/kg | 0.66 | 6.6 | 0.55 | | 3.4 | | < 0.13 | U | < 0.13 | U | 0.3 | 6 J | 1.8 | 3 | |
| Perfluoropentanesulfonic Acid (PFPeS) | µg/kg | NC | NC | < 0.065 | U | < 0.068 | U | < 0.069 | U | < 0.065 | U | < 0.066 | U | < 0.066 | U | |
| Perfluoropentanoic Acid (PFPeA) | µg/kg | NC | NC | < 0.068 | U | | U | < 0.072 | U | < 0.068 | U | < 0.069 | U | < 0.069 | U | |
| Perfluorotetradecanoic acid (PFTA) | µg/kg | NC | NC | < 0.085 | U | < 0.088 | U | < 0.09 | U | < 0.085 | U | < 0.085 | U | < 0.085 | U | |
| Perfluorotridecanoic Acid (PFTriA/PFTrDA) | µg/kg | NC | NC | < 0.1 | U | | U | < 0.11 | U | < 0.099 | U | < 0.1 | U | < 0.1 | U | |
| Perfluoroundecanoic Acid (PFUnA) | ug/kg | NC | NC | 0.082 | J | < 0.084 | U | < 0.086 | Ŭ | < 0.081 | υ | < 0.082 | υ | < 0.081 | U | |
| Noto: | 10/10 | | | | | | | | - | | | | | | | |

Notes:

¹New York State Department of Environmental Conservation, *Sampling, Analysis, and Assessment of Per- and Polyfluoroalkyl*

Substances (PFAS), November 2022

Sample Type Code: N - Normal, FD -Field Duplicate

µg/kg - microgram per kilogram = parts per billion (ppb)

NC - No criteria currently exists

U - Compound was not detected at the reporting limit shown

J - An estimated value

Bold - Indicates the compound was detected

Highlighted - Indicates the compound was detected above Unrestricted Use guidance value

Table 4Cooper Tire Disposal AreaGroundwater, PFAS Results

| | Cli | ent Sample ID: | CT-OW-C | 1-20220928 |
|---|------|-------------------------|---------|------------|
| | | Lab Sample ID: | 480-2 | 202196-2 |
| | | Location ID: | CT- | OW-01 |
| | | Sample Date: | 9/2 | 8/2022 |
| | Sam | ple Type Code: | | Ν |
| Australia | 11 | NYSDEC | Desuit | Qualifian |
| Analyte | Unit | Guidelines ¹ | Result | Qualifier |
| 1H,1H, 2H, 2H-Perfluorodecane sulfonic acid | ng/L | NC | < 47 | U |
| 1H,1H, 2H, 2H-Perfluorooctane sulfonic acid | ng/L | NC | < 120 | U |
| N-ethyl perfluorooctanesulfonamidoacetic acid | ng/L | NC | < 120 | U |
| N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA) | ng/L | NC | < 120 | U |
| Perfluorobutanesulfonic acid (PFBS) | ng/L | NC | < 47 | U |
| Perfluorobutanoic Acid (PFBA) | ng/L | NC | < 120 | U |
| Perfluorodecanesulfonic acid (PFDS) | ng/L | NC | < 47 | U |
| Perfluorodecanoic acid (PFDA) | ng/L | NC | < 47 | U |
| Perfluorododecanoic acid (PFDoA) | ng/L | NC | < 47 | U |
| Perfluoroheptanesulfonic acid (PFHpS) | ng/L | NC | < 47 | U |
| Perfluoroheptanoic acid (PFHpA) | ng/L | NC | < 47 | U |
| Perfluorohexanesulfonic acid (PFHxS) | ng/L | NC | < 47 | U |
| Perfluorohexanoic acid (PFHxA) | ng/L | NC | < 47 | U |
| Perfluorononanoic acid (PFNA) | ng/L | NC | < 47 | U |
| Perfluorooctane Sulfonamide (FOSA) | ng/L | NC | < 47 | U |
| Perfluorooctanesulfonic acid (PFOS) | ng/L | 10 | < 47 | U |
| Perfluorooctanoic acid (PFOA) | ng/L | 10 | < 47 | U |
| Perfluoropentanoic Acid (PFPeA) | ng/L | NC | < 47 | U |
| Perfluorotetradecanoic acid (PFTA) | ng/L | NC | < 47 | U |
| Perfluorotridecanoic Acid (PFTriA/PFTrDA) | ng/L | NC | < 47 | U |
| Perfluoroundecanoic Acid (PFUnA) | ng/L | NC | < 47 | U |

Notes:

¹New York State Department of Environmental Conservation, *Sampling, Analysis, and Assessment of Per- and Polyfluoroalkyl Substances (PFAS),* November 2022

Sample Type Code: N - Normal, FD -Field Duplicate

ng/L - nanogram per liter = parts per trillion (ppt)

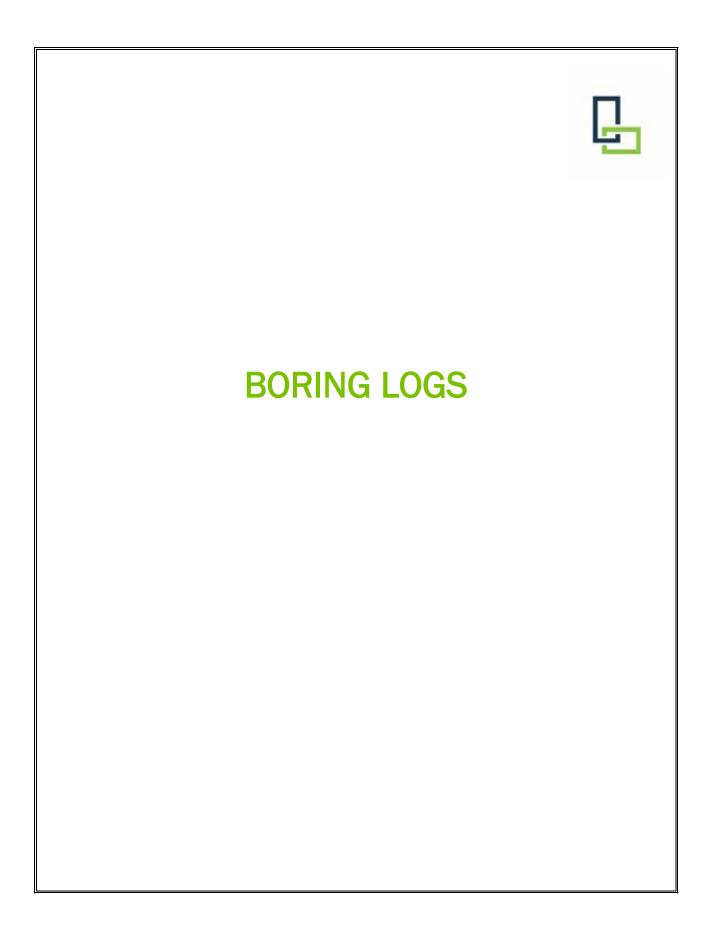
NC - No criteria currently exists

U - Compound was not detected at the reporting limit shown

J - An estimated value

Bold - Indicates the compound was detected

Highlighted - Indicates the compound was detected above applicable NYSDEC Standards, Criteria, & Guidance Values



| Site Name: | NYSDEC - Algonquin N | Middle School Dat | e Drilled | - August 19, 2022 |
|----------------------|---------------------------------------|----------------------------------|---------------|--|
| Location: Co | oper Tire | Dril | ling Co.: | Clean Globe Environmental Powered by partnership. |
| Client: NYSDE | C | Dril | ler:^ | ario Pineda Soil Samples Collected: |
| | N/A | | | B.Baulsir CT-SB-01 0-2" |
| | | | | |
| - | | | | TD: see samples collected (Dia): N/A |
| | 9' | | | |
| | | | | Diameter: ^{2"} |
| | | | | Diameter:2" |
| | | | | Wellhead Prot:teel stick up |
| | | • • | | Grouted Interval:N/A |
| | | , he | | |
| Depth Mc (Feet) C | nitoring We ll Construction | Recovery; | PID (ppm): | Description / Soil Classification |
| | Steel Standpipe | | 110 | |
| | 2"cap Native Soil & Well Sand | | < 1.0 | 0' - 3.0' Brown fine SAND and SILT, some weathered shale fragments and gravel |
| | Bentonite | S-1: 0' - 5.0' Rec: 5.0'/5.0' | | 3.0' - 4.0' Cobble |
| 5 | | | 3.5 | 4.0' - 5.0' Brown fine SAND and SILT, some Gravel |
| | 2" PVC Riser | S-2: 5.0' - 9' | 3.8 | 5.0' - 9.0' Brown fine SAND, SILT, and GRAVEL with lenses of fine Gravel |
| | #2 Well Sand | Rec: 4.0'/4.0' | | |
| | PVC Screen | | | End of boring (refusal), weathered shale bedrock in sampler shoe @ 9.0' Groundwater was not encountered |
| | | | | CT-OW-01 monitoring well installed |
| | | | | |
| | | | | |
| 15 — - - | | | | |
| | | | | |
| - | | | | |
| 20 - | | | | |
| - | | | | |
| | | | | |
| 25 - | | | | |
| | | | | |
| | | | | |
| - | | | | |
| 30 - | | | | |
| | | | | |
| | | | | |

| Construction Recovery: (ppm): Description / Soli Classification 0 2.5 0' - 3.0' Brown fine SAND and SILT, some fine Gravel 5 S-1: 0' - 5.0' Rec: 2.0'/5.0' <1.0 3.0' - 6.0' Brown SILT and CLAY, some fine Gravel 5 S-2: 5.0' - 10' Rec: 2.0'/5.0' <1.0 3.0' - 6.0' Brown SILT and CLAY, some fine Sand, cinders, concrete, brick, and wood 5 S-2: 5.0' - 10' Rec: 2.0'/5.0' 3.7 6.0' - 17.5' Brown fine SAND and GRAVEL, trace Silt, wood, cobble, concrete, and glass 10 S-3: 10' - 15' Rec: 2.0'/5.0' <1.0 Cinders noted @ 10' - 17.5' 15 Rec: 2.0'/4.0' 1.9 17.5' - 20.5' CLAY, some Gravel and wood 20 S-5: 19' - 21.5' 5.1 20.5' - 21.5' Weathered shale fragments 20 S-5: 19' - 21.5' 5.1 20.5' - 21.5' Weathered shale bedrock in sampler shoe @ 21.5' 20 S-5: 19' - 21.5' 5.1 20.5' - 21.5' Weathered shale bedrock in sampler shoe @ 21.5' 20.5' - 21.5' S-11 End of boring (refusal), weathered shale bedrock in sampler shoe @ 21.5' 21.5' No monitoring well installed | MONITORING WELL / BOR | ING NO. CT- | SB-02 | 2 | |
|---|--|----------------------------|-------------------|---------------------------------------|--|
| Location: Dorlling Co:: Class Code Environment Silent: Marco Provala Silent: Type: | Site Name: NYSDEC - Algonquin | Middle School Date | e Drilled | August 19, 2022 | LaBella |
| Phone No.: NA Logged by Bisular C1-58-02-0-2* Wrilling Method Generator 782: DT (main_2) Sampling Method: Main Communication Vell TD 21.5 (main_2) Sampled TD: see samples collected (main_2) C1-58-02: 0-2* C1-50* C1-0* | Location: Cooper Tire | Dril | ling Co.: | Clean Globe Environmental | Powered by partnership. |
| Phone No.: <u>NA</u> Logged by: <u>EBealar</u> CT3B-02.02* MSMSD Diffing Mothod: <u>Geometra 70207</u> _out2. Sampling Mothod: <u>Macro Corr</u> | Client: NYSDEC | Drill | ler: ^M | lario Pineda | · · · · · · · · · · · · · · · · · · · |
| willing Method: Geoprate 722 DT Giao, T. Sampling Method: Macro Care Giao, T. CTSB-02212" CTSB-02242" Vell TD: NA Giao, MA Well Type: NA Diameter: NA Vell TD: NA Giao, MA Well Type: NA Diameter: NA Sased Interval: NA Type: NA Diameter: NA sand Pack Interval: NA Type: NA Well Top: NA entonite Seal Interval: NA Type: NA Grouted Interval: NA entonite Seal Interval: NA Type: NA Grouted Interval: NA entonite Seal Interval: NA Type: NA Grouted Interval: NA entonite Seal Interval: NA Type: NA Grouted Interval: NA entonite Seal Interval: NA Type: NA Grouted Interval: NA entonite Seal Recovery: (PID Construction Strip: 0:50 Strip: 0:50 strip: Strip: Strip: Strip: Strip: Strip: | Phone No.: N/A | Log | iged by: | B.Baulsir | |
| Vell TD:NA(ua), NAWell Type:NA Diameter:NA icreen Interval:NAType:NA Diameter:NA icand Pack Interval:NAType:NA Diameter:NA icreen Interval:NAType:NA Diameter:NA icreen Interval:NAType:NA Vellhead ProtNA icreen Interval:NAType:NA Grouted Interval:NA icreen Interval:NA NA | Drilling Method: Geoprobe 7822 | DT(Dia):2"S | ampling | J Method: Macro Core (Dia): 2" | |
| Screen Interval: N/A Slot Size: N/A Diameter: N/A Diameter: N/A Type: N/A Diameter: N/A Diameter: N/A Type: N/A Diameter: N/A Diameter: N/A Type: N/A Grouted Interval: N/A epth Montoring Well Recovery: PID Description / Soil Classification epth Construction 2.5 0' - 3.0' Brown fine SAND and SILT, some fine Gravel Set: 0' - 5.0' Rec: 2.0/5.0' 3.0' - 6.0' Brown SILT and CLAY, some fine Sand. einders, concrete, brick, and wood Set: 0' - 1.0' Set: 10' - 10' Set: 10' - 10' Set: 10' - 17.5' Brown fine SAND and GRAVEL, trace Silt, wood, cobble, concrete, and glass Set: Set: 10' - 19' 3.7' Rec: 2.0'6.0' If.5' - 20.5' CLAY, some Gravel and wood Set: 10' - 15' Set: 10' - 19' 1.9 If.5' - 20.5' CLAY, some Gravel and wood Set: 10' - 15' Set: 10' - 17.5' Set: Set: 10' - 21.5' Weathered shale fragments End orong (relusa), weathered shale bedrock in | Drilled TD: 21.5' | (Dia): <u>2"</u> S | ampled | TD: | CT-SB-02 240-246" |
| cased Interval: NA Type: NA Diameter NA biand Pack Interval: NA Type: NA Wellhead Prot: NA bentonite Seal Interval: NA Type: NA Grouted Interval: NA epth Monitoring Well Recovery: (ppm): Description / Soil Classification epth Construction Recovery: (ppm): Description / Soil Classification epth So: 10 - 15' Soil - 10' Soil - 10' So: 20'5.0 <1,0 | Well TD: | (Dia): <u>N/A</u> V | e: ^{N/A} | | |
| Stand Pack Interval: NA Type: NA Wellhead Prot: N/A epth Monitoring Well Recovery: [PID] Description / Soil Classification epth Monitoring Well Recovery: [PID] Description / Soil Classification 0 2.5 0' - 3.0' Brown fine SAND and SILT, some fine Gravel 3.0' - 6.0' Srever SiLT and CLAY, some fine Gravel 3.0' - 6.0' 5.2: 5.0' - 10' 3.7' 6.0' - 17.5' 8.3: 10' - 15' Cinders noted @ 10' - 17.5' 8.3: 10' - 15' Rec: 2.0'5.0' 9.3.7 Rec: | Screen Interval:N/AS | ot Size: | I/A | Diameter: ^{N/A} | |
| Sentonite Seal Interval NA Type: NA Grouted Interval N/A eepth (construction Monitoring (Well Construction Recovery; PID (ppm); Description / Soil Classification 0 2.5 0'-3.0' Brown fine SAND and SiLT, some fine Gravel 2.6 0'-3.0' Brown fine SAND and SiLT, some fine Gravel 3.0'-6.0' Rec: 2.0'5.0' <1.0 | Cased Interval: <u>N/A</u> T | ype: | A | Diameter:N/A | |
| Production Monitoring Well Construction Recovery; (PID) (Ppm); Description / Soil Classification 0 1 2.5 0° - 3.0° Brown fine SAND and SiLT, some fine Gravel 5 1:0° - 5.0° 8:0° - 6.0° Brown fine SAND and SiLT, some fine Sand, cinders, concrete, brick, and wood 5 5:1:0° - 5.0° 8:0° - 17.5° Brown fine SAND and GRAVEL, trace Silt, wood, cobble, concrete, and glass 10 5:2:5:0° - 10° 8:0° - 17.5° Brown fine SAND and GRAVEL, trace Silt, wood, cobble, concrete, and glass 10 5:3:10° - 15' Rec: 2.075.0° <1.0 | Sand Pack Interval:N/A | Туре: | N/A | Wellhead Prot: ^{N/A} | |
| $\frac{1}{15}$ | Bentonite Seal Interval: | ₩AType: | N/A | _Grouted Interval:N/A | |
| 2.5 0° - 3.0° Brown fine SAND and SILT, some fine Gravel S-1: 0° - 5.0° Rec: 2.0′5.0° <1.0 | Depth Monitoring Well (Feet) Construction | Recovery; | | Descriptio | l on / Soil Classification |
| S-1: 0' - 5.0' Rec: 2.0/5.0' <1.0 | ° – | | 2.5 | 0' - 3.0' Brown fine SAND and SIL | T, some fine Gravel |
| 5 1.10 5.10 5.0 <td></td> <td>S-1: 0' - 5.0'</td> <td></td> <td></td> <td></td> | | S-1: 0' - 5.0' | | | |
| 10 S-2: 5.0' - 10' Re:: 2.0'5.0' 3.7 10 S-2: 5.0' - 10' Re:: 2.0'5.0' S-10' - 17.5' Brown fine SAND and GRAVEL, trace Silt, wood, cobble, concrete, and glass 10 S-3: 10' - 15' Re:: 2.0'5.0' <1.0 | | Rec: 2.0'/5.0' | <1.0 | 3.0' - 6.0' Brown SILT and CLAY, s | ome fine Sand, cinders, concrete, brick, and wood |
| 10 S-2: 5.0° - 10° Rec: 2.0'/5.0° 15 S-3: 10° - 15' Rec: 2.0'/5.0° 15 S-4: 15' - 19' Rec: 2.0'/4.0° 1.9 Refusal @ 19" 17.5' - 20.5' CLAY, some Gravel and wood Refusal @ 19" 20 S-5: 19' - 21.5' Rec: 1.5/2.5' 5.1 20 Vision Control (Rec) 20 S-5: 19' - 21.5' Rec: 1.5/2.5' 5.1 20 Yis and macro cored the 19' to 21.5' 21 Note: At the request of the onsite NYSDEC representative, drilling stepped aside approximately 3', drive pointed to 19', and macro cored the 19' to 21.5' 20 Note: At the request of the onsite NYSDEC representative, drilling stepped aside approximately 3', drive pointed to 19', and macro cored the 19' to 21.5' 20 Interval until refusal. | 5 | | | | |
| 10 Image: Signal state of the state o | | S-2: 5.0' - 10' | 3.7 | 6.0' - 17.5' Brown fine SAND and GF | RAVEL, trace Silt, wood, cobble, concrete, and glass |
| 15 <1.0 | | Rec: 2.0'/5.0' | | | |
| S-3: 10' - 15' Rec: 2.0'/5.0' S-4: 15' - 19' Rec: 2.0'/4.0' 1.9 17.5' - 20.5' CLAY, some Gravel and wood Refusal @ 19'* 20 S-5: 19' - 21.5' Rec: 1.5/2.5' 5.1 20 S-5: 19' - 21.5' Rec: 1.5/2.5' 5.1 20 S-6: 19' - 21.5' Rec: 1.5/2.5' 5.1 20.5' - 21.5' Weathered shale fragments End of boring (refusal), weathered shale bedrock in sampler shoe @ 21.5' Groundwater was not encountered No monitoring well installed 21.5' *Note: At the request of the onsite NYSDEC representative, drilling stepped aside approximately 3', drive pointed to 19', and macro cored the 19' to 21.5' interval until refusal. 30 30 Source approximately 3', drive pointed to 19', and macro cored the 19' to 21.5' | 10 | | <1.0 | Cinders noted @ 101 17 | 5 |
| 15 Rec: 2.0'/5.0' 18 S-4: 15' - 19' Rec: 2.0'/4.0' 1.9 20 17.5' - 20.5' CLAY, some Gravel and wood Refusal @ 19** 20 S-5: 19' - 21.5' Rec: 1.5/2.5' 5.1 20 0.5' - 21.5' Weathered shale fragments End of bring (refusal), weathered shale bedrock in sampler shoe @ 21.5' Groundwater was not encountered No monitoring well installed 25 1 26 1 27 1 28 1 29 10.5' - 21.5' Weathered shale fragments 20 21.5' 21.5' 1 20 1 21.5' 1 20 1 21.5' 1 21.5' 1 22 1 23 1 24 1 25 1 26 1 27 1 28 1 29 1 20 1 20 1 21.5' 1 20 1 21.5' 1 20< | - | S-3 [,] 10' - 15' | | | .0 |
| 20 Rec: 2.0'/4.0' 1.9 17.5' - 20.5' CLAY, some Gravel and wood Refusal @ 19'* 20 S-5: 19' - 21.5' Rec: 1.5/2.5' 5.1 20.5' - 21.5' Weathered shale fragments 21.5' End of boring (refusal), weathered shale bedrock in sampler shoe @ 21.5' Groundwater was not encountered No monitoring well installed 21.5' 25 1 1 1 1 26 1 1 1 1 26 1 1 1 1 26 1 1 1 1 27 1 1 1 1 28 1 1 1 1 1 29 1 1 1 1 1 20 1 1 1 1 1 1 20 1 1 1 1 1 1 1 21.5' 1 1 1 1 1 1 1 1 21.5' 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | | | | | |
| 20 Rec: 2.0'/4.0' 1.9 17.5' - 20.5' CLAY, some Gravel and wood Refusal @ 19'* 20 S-5: 19' - 21.5' Rec: 1.5/2.5' 5.1 20.5' - 21.5' Weathered shale fragments 21.5' End of boring (refusal), weathered shale bedrock in sampler shoe @ 21.5' Groundwater was not encountered No monitoring well installed 21.5' 25 1 1 1 1 26 1 1 1 1 26 1 1 1 1 26 1 1 1 1 27 1 1 1 1 28 1 1 1 1 1 29 1 1 1 1 1 20 1 1 1 1 1 1 20 1 1 1 1 1 1 1 21.5' 1 1 1 1 1 1 1 1 21.5' 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 15 — | | | | |
| 20 Rec: 2.0'/4.0' 1.9 17.5' - 20.5' CLAY, some Gravel and wood Refusal @ 19'* 20 S-5: 19' - 21.5' Rec: 1.5/2.5' 5.1 20.5' - 21.5' Weathered shale fragments 21.5' Groundwater was not encountered No monitoring well installed 21.5' Side and the second aside approximately 3', drive pointed to 19', and macro cored the 19' to 21.5' interval until refusal. 30 30 | | S-4 [.] 15' - 19' | | | |
| S-5: 19' - 21.5' Rec: 1.5/2.5' S.1 S-1 S-5: 10' - 21.5' Rec: 1.5/2.5' S.1 S-1 S-1 S-5: 10' - 21.5' Rec: 1.5/2.5' S-1 S-1 S-1 S-1 S-1 S-5: 10' - 21.5' Rec: 1.5/2.5' S-1 S-1<td></td><td></td><td>1.9</td><td>·</td><td>wood</td> | | | 1.9 | · | wood |
| Rec: 1.5/2.5' 5.1 20.5' - 21.5' Weathered shale fragments End of boring (refusal), weathered shale bedrock in sampler shoe @ 21.5' Groundwater was not encountered No monitoring well installed 21.5' *Note: At the request of the onsite NYSDEC representative, drilling stepped aside approximately 3', drive pointed to 19', and macro cored the 19' to 21.5' interval until refusal. | 20 | S-5: 10' - 21 5' | | Kelusai @ 19 | |
| Groundwater was not encountered No monitoring well installed 21.5' *Note: At the request of the onsite NYSDEC representative, drilling stepped aside approximately 3', drive pointed to 19', and macro cored the 19' to 21.5' interval until refusal. | | Rec: 1.5/2.5' | 5.1 | e e e e e e e e e e e e e e e e e e e | |
| *Note: At the request of the onsite NYSDEC representative, drilling stepped aside approximately 3', drive pointed to 19', and macro cored the 19' to 21.5' interval until refusal. | | | | Groundwater was not end | countered |
| aside approximately 3', drive pointed to 19', and macro cored the 19' to 21.5' interval until refusal. | 25 | | | | |
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| | | | | interval until refusal. | |
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| Monitoring Well Completion / Boring Log drafted by LaBella Associates, D.P.C. PAGE <u>1</u> of <u>1</u> | Monitoring Well Completion / Boring Lo | og drafted by LaBella | Associate | s, D.P.C. | PAGE <u>1</u> of <u>1</u> |

| MONITORING WELL / BORING NO. | CT-SB-0 | 3 | |
|--|--------------------|--|--|
| Site Name: NYSDEC - Algonquin Middle Schoo | | | 🖵 LaBella |
| Location: Cooper Tire | _ Drilling Co. | Clean Globe Environmental | Powered by partnership. |
| Client: NYSDEC | _ Driller:^ | 1ario Pineda | Soil Samples Collected: |
| Phone No.: N/A | _ Logged by: | B.Baulsir | CT-SB-03 0-2" CT-SB-03 2-12" |
| Drilling Method: Geoprobe 7822 DT (Dia): 2 | | | CT-SB-03 2-12 CT-SB-03 60-72" |
| Drilled TD: <u>6.0'</u> (Dia): <u>2</u> | | | |
| Well TD: N/A (Dia): N | | | |
| Screen Interval: ^{N/A} Slot Size: | N/A | Diameter: ^{N/A} | |
| Cased Interval:Type: | N/A | Diameter: N/A | |
| Sand Pack Interval:N/ATy | pe: <u>N/A</u> | Wellhead Prot: ^{N/A} | |
| Bentonite Seal Interval: <u>N/A</u> Ty | pe: <u>N/A</u> | Grouted Interval: _{N/A} | |
| | | Γ | |
| Depth Monitoring Well (Feet) Construction Recover | ery; PID (ppm): | Descriptio | on / Soil Classification |
| •] | 2.5 | 0' - 5.5' Brown SAND and SILT, so | ome fine Gravel and weathered shale fragments |
| | | | |
| Rec: 2.0'/ | | | |
| 5 – S-2: 5.0' | - 6' 3.7 | | |
| S-2. 5.0 Rec: 1.0' | (1.0' | | ne Gravel and lenses of weathered shale eathered shale bedrock in sampler shoe @ 6.0' |
| | | Groundwater was not enc No monitoring well installe | countered |
| 10 - | | | 6.0' |
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| Monitoring Well Completion / Boring Log drafted by | LaBella Associate | s, D.P.C. | PAGE <u>1</u> of <u>1</u> |

| MONITORING WELL / BORING NO. CT-SB-04 | |
|---|-------------------------|
| Site Name: | LaBella |
| Location: Cooper Tire Drilling Co.: Clean Globe Environmental | Powered by partnership. |
| Client: NYSDEC Driller: Mario Pineda | Soil Samples Collected: |
| Phone No.:N/A Logged by:B.Baulsir | CT-SB-04 0-2" |
| Drilling Method: Geoprobe 7822 DT (Dia): 2" Sampling Method: Macro Core (Dia): 2" | |
| Drilled TD: 1.0' (Dia): 2" Sampled TD: see samples collected (Dia): N/A | |
| Well TD: | |
| Screen Interval: <u>N/A</u> Slot Size: <u>N/A</u> Diameter: <u>N/A</u> | |
| Cased Interval: <u>N/A</u> Type: <u>N/A</u> Diameter: <u>N/A</u> | |
| Sand Pack Interval:N/AType:N/AWellhead Prot:N/A | |
| Bentonite Seal Interval: N/A Type: N/A Grouted Interval: N/A | |

| Depth (Feet) | Monitoring Well Construction | Recovery; | PID (ppm): | Description / Soil Classification | |
|-----------------|---------------------------------|----------------------|----------------------|--|-----------------------------|
| Depth (Feet) | Monitoring Well Construction | Recovery; | PID (ppm): 0.9 | 0' - 1.0' Light brown fine SAND and SILT, weathered shale fr End of boring (refusal), weathered shale bedrock in s Groundwater was not encountered No monitoring well installed | sampler shoe @ 1.0' 1.0' |
| Monitoring | Well Completion / Boring Lo | g drafted by LaBella | Associate | s, D.P.C. | PAGE <u>1</u> of <u>1</u> |

| MONITORING WELL / BOF | RING NO. CT-S | B-0 | 5 | |
|---|----------------------------------|---------------|--------------------------------------|---|
| Site Name: NYSDEC - Algonquin | | | | 🖵 LaBella |
| Location: Cooper Tire | Drillin | ig Co.: | Clean Globe Environmental | Powered by partnership. |
| Client: NYSDEC | Drille | r:^ | ario Pineda | Soil Samples Collected: |
| Phone No.: | Logg | ed by: | B.Baulsir | CT-SB-05 0-2" |
| | | | Method: Macro Core (Dia): 2" | CT-SB-05 2-12" Duplicate Parent CT-SB-05 0-2" |
| | | | TD: see samples collected (Dia): N/A | |
| | | | e: | |
| Screen Interval: N/A | | | | |
| Cased Interval: | | | | |
| Sand Pack Interval:N/# | | | | |
| Bentonite Seal Interval: | N/AType: | N/A | Grouted Interval:N/A | |
| | | | 1 | |
| Depth (Feet) Monitoring Well Construction | Recovery; | PID (ppm): | Descriptio | on / Soil Classification |
| ° – | | 1.1 | 0' - 3.0' Light brown fine SAND an | d SILT. some fine Gravel |
| | S-1: 0' - 4.0' Rec: 4.0'/4.0' | | | |
| | Rec. 4.074.0 | 3.7 | 3.0' - 4.0' Weathered shale fragmen | ts |
| 5 _ | | | Groundwater was not end | eathered shale bedrock in sampler shoe @ 4.0' ountered |
| | | | No monitoring well installe | 4.0' |
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| Site Name: | C - Algonquin Middle Sch | ^{ool} Date Drilled | 1: August 19, 2022 | Ling LaBella |
|----------------------------------|--------------------------|-----------------------------|--|--|
| Location: Cooper Tire | | Drilling Co. | . Clean Globe Environmental | Powered by partnership. |
| Client: NYSDEC | | Driller:^ | /ario Pineda | Soil Samples Collected: |
| Phone No.: N/A | | Logged by | B.Baulsir | CT-SB-06 0-2" |
| Drilling Method:G | eoprobe 7822 DT(Dia): | <u>2"</u> Sampling | g Method: Macro Core (Dia): 2" | |
| Drilled TD: ^{1.0'} | (Dia); | <u>2"</u> Sampleo | TD: | |
| Nell TD: | (Dia): | N/A Well Typ | e: | |
| Screen Interval: | N/ASlot Size: | N/A | Diameter: | |
| Cased Interval: | N/AType: | N/A | Diameter:N/A | |
| Sand Pack Interva | N/A | Гуре: _{N/A} | Wellhead Prot: ^{N/A} | |
| Bentonite Seal Inte | erval: <u>N/A</u> | Гуре: _{N/A} | Grouted Interval: ^{N/A} | |
| | | | 1 | |
| Depth Monitorin Feet) Constru | g Well Reco | very; PID (ppm): | Descripti | on / Soil Classification |
| | | | | |
| | S-1: 0' Rec: 1. | | 0' - 0.5' Brown fine SAND and SI 0.5' - 1.0' Gray weathered shale fra | LT, weathered shale fragments |
| | | | 7 7 | veathered shale bedrock in sampler shoe @ 1.0' countered |
| 5 | | | | 1.0 |
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| MONITORING WELL / BORII | NG NO. <u>CT-SB-0</u> | 7 | |
|--|--------------------------------|--|---|
| Site Name: NYSDEC - Algonquin M | | | 🖵 LaBella |
| Location: Cooper Tire | Drilling Co. | Clean Globe Environmental | Powered by partnership. |
| Client: NYSDEC | Driller: [№] | lario Pineda | Soil Samples Collected: |
| Phone No.: | Logged by: | B.Baulsir | CT-SB-07 0-2" CT-SB-07 2-12" |
| Drilling Method: Geoprobe 7822 D | T_(Dia):_2"_ Sampling | g Method: Macro Core (Dia): 2" | |
| Drilled TD: 4.0' | | | |
| Well TD: ^{N/A} | | | |
| Screen Interval: <u>N/A</u> Slo | ot Size: ^{N/A} | Diameter:N/A | |
| Cased Interval: <u>N/A</u> Ty | pe:N/A | Diameter: ^{N/A} | |
| Sand Pack Interval:N/A | Type:N/A | Wellhead Prot: ^{N/A} | |
| Bentonite Seal Interval: N/ | AType:N/A | Grouted Interval: ^{N/A} | |
| Depth Monitoring Well (Feet) Construction | Recovery; PID (ppm): | Descriptio | n / Soil Classification |
| • _ | | | |
| | S-1: 0' - 4.0' 3.3 | 0' - 1.0' Brown fine SAND and SIL 1.0' - 4.0' Weathered shale fragmen | T, weathered shale fragments ts |
| | Rec: 4.0'/4.0' | | |
| | | End of boring (refusal), we Groundwater was not ence | eathered shale bedrock in sampler shoe @ 4.0' ountered |
| | | No monitoring well installe | |
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| Monitoring Well Completion / Boring Log | g drafted by LaBella Associate | s, D.P.C. | PAGE of |



LABORATORY ANALYTICAL REPORTS



A LaBella Company

March 13, 2023 (Revised 4-18-2023)

Brittany O'Brien-Drake New York State Department of Environmental Conservation 625 Broadway Albany, NY 12233

RE: Site Summary Report (Rev. 4-18-2023) Algonquin Middle School PFAS Assessment #2105197 Former Car Wash, 338 NY-351, Poestenkill, NY Tax parcel ID: 136.-8-2

Aztech Environmental Technologies Inc. (Aztech), a LaBella company, has provided this report to document overburden soil and groundwater assessment methodologies and sampling results for the above referenced location. All field investigation activities were performed at the discretion of and in accordance with the scope of work (SOW) developed and provided by the New York State Department of Environmental Conservation (NYSDEC).

The property is currently a residence and was formerly utilized as a former car wash (CW). The approximate 1.93-acre parcel is located along the eastern side of Reichards Lake Road (NY Rt 351) and south of Averill Park Road (Rt 66). A low-lying area is located on the eastern portion of the property with a rise toward the western portion of the property. The residential structure is located on the western portion of the property. The attached **Figure 1** depicts property features and boundaries.

Overburden soil encountered during drilling activities consisted primarily of fine sand and silt with varying amounts of shale fragments typically increasing in depth to drill tooling refusal. Shale fragments in the sampler shoe at terminal boring depths ranging from 4 feet below grade (fbg) (CW-SB-02) to 13 fbg (CW-SB-05), is noted on the boring logs.

Prior to intrusive groundwork, a UDig NY utility clearance ticket was ordered for the property. Additionally, a private utility locating contractor performed utility clearance with ground penetrating radar (GPR) at each boring location on August 8, 2022. Boring locations confirmed as clear were painted white and marked with a white flag.

SUMMARY OF FIELD INVESTIGATIONS:

Air monitoring

Air monitoring was conducted during all ground-intrusive work at the property (August 18, 2022) in accordance with the New York State Department of Health (NYSDOH) Generic Community Air Monitoring Plan (CAMP). One dedicated Dust Trak unit with photo-ionization detector (PID) was positioned upwind with a second dedicated unit placed downwind at each boring location. No exceedances for volatile organic compounds (VOCs) or particulates were recorded.

Soil Boring

On August 18, 2022, Clean Globe Environmental (CGE) advanced soil borings (CW-SB-01 through CW-SB-05) utilizing a Geoprobe 7822DT and direct-push techniques. All boring locations were used to confirm depth to shallow bedrock. Due to the lack of groundwater water encountered at the property, soil borings were not converted to monitoring wells. Aztech provided oversight of drilling activities and performed soil headspace screening, soil classification, and soil sampling. Soil boring locations are depicted on the attached **Figure 1**.



Soil Sampling

Individual soil samples were visually classified and headspace screened with a PID calibrated to a 100 part per million (ppm) isobutylene calibrant gas. Soil samples from select boring locations were collected from the following depth intervals:

- Surface grade to 2 -inch below grade (BG), beneath vegetative cover, and
- 2-inch BG to 12-inch BG

The actual number of soil samples was dependent on field conditions. A total of ten (10) depth discrete subsurface soil samples were collected from the five (5) soil borings and analyzed for PFAS compounds by analytical method 537M for soil. Select soil samples from the 2-12" interval were analyzed using the Synthetic Precipitation Leaching Procedure (SPLP) by Environmental Protection Agency (EPA) Method 1312 and the leachate was subsequently analyzed for PFAS compounds by analytical method 537M to assess the mobility of contaminants in soil. SPLP PFAS results are not considered reportable as it was determined that Con-Test (a Pace Analytical Laboratory at East Longmeadow, MA and the NYSDEC's contracted lab for this project) did not hold the appropriate ELAP certification for EPA Method 1312 at the time of analysis.

Additional samples collected for the purpose of quality assurance/quality control (QA/QC) included one matrix spike /matrix spike duplicate (MS/MSD) and one field duplicate. The attached boring logs reference the parent sample for the duplicate sample however, the sample was not received at the laboratory and as such, results are not reported.

DISCUSSION OF ANALYTICAL RESULTS

STANDARDS, CRITERIA, & GUIDANCE VALUES:

The following documents will be used to evaluate soil, groundwater, surface water, and sediment analytical results:

Soil

- Unrestricted Use and Residential Use soil guidance values from NYSDEC Sampling, Analysis, and Assessment of PFAS Under NYSDEC's Part 375 Remedial Programs, November 2022.

It is noted that the NYSDEC Standards, Criteria, & Guidance Values are listed in concentrations of parts per trillion (ppt), parts per billion (ppb), and parts per million (ppm) while laboratory analytical results are reported in equivalent concentrations. For example,

- In soil:
 - 1 ppt = 1 nanogram per kilogram (ng/kg),
 - \circ 1 ppb = 1 microgram per kilogram (µg/kg), and
 - 1 ppm = 1 milligram per kilogram (mg/kg)
- In water:
 - 1 ppt = 1 nanogram per liter (ng/L),
 - \circ 1 ppb = 1 microgram per liter (µg/L), and
 - \circ 1 ppm = 1 milligram per liter (mg/L).

Soil Results:

A total of 10 soil samples were collected from the five (5) borings installed on the property. Of the 10 soil samples collected and analyzed for PFAS compounds by analytical method 537M, each sample had one or more compounds detected. Exceedances of the Unrestricted Use guidance value for Perfluorooctanoic Acid (PFOA) (0.66 μ g/kg) were identified at six (6) soil sample locations. These include CW-SB-01 0-2", CW-SB-02 0-2", CW-SB-03 60-72", CW-SB-04 0-2", CW-SB-04 2-12", and CW-SB-05 0-2". Additionally, PFOA was identified in excess of the Residential Use guidance value of 6.6 μ g/kg in the CW-SB-04 0-2" sample. Perfluorooctanesulfonic acid (PFOS) was identified in excess of the Unrestricted Use guidance value of the Unrestricted Use guidance value of the CW-SB-04 0-2".



value of 0.88 μ g/kg in sample CW-SB-04 0-2". **Table 1** below provides a summary of the PFOA and PFOS laboratory analytical results. For further detail, refer to the attached **Table 2**.

| | Table 1 | | | | | | | | | | | | |
|--|---------------|--|---|----------------|----------------|----------------|-----------------|------------------|----------------|-----------------|----------------|--------------------|-----------------|
| Summary of PFOA and PFOS | | | | | | | | | | | | | |
| | | | | | | | | Sample | Locatio | on | | | |
| Compound | Concentration | Unrestricted Use Guidance Value | Residential Use Guidance Value | CW-SB-01 0-2IN | CW-5B-02 0-2IN | CW-58-03 0-2IN | CW-SB-03 2-12IN | CW-58-03 60-72IN | CW-SB-04 0-2IN | CW-SB-04 2-12IN | CW-SB-05 0-2IN | CW-SB-05 132-144IN | CW-SB-05 2-12IN |
| Perfluorooctanesulfonic acid (PFOS) | µg/kg | 0.88 | 8.8 | 0.37 | 0.13 | 0.13 | - | - | 1.9 | 0.52 | 0.23 | 0.11 | 0.11 |
| Perfluorooctanoic acid (PFOA) | μg/kg | 0.66 | 6.6 | 0.85 | 1.0 | - | 0.20 | 4.5 | 11 | 0.97 | 1.8 | - | 0.55 |
| | | | | | | | | | | | | | |

PFAS compounds that were detected but do not have corresponding criteria include: PFBA, PFDS, PFDA, PFHpA, PFHxA, PFNA, PFPeA, and PFUnA. The maximum concentration recorded for compounds without criteria was PFNA at an estimated concentration of 0.29 μ g/kg (CW-SB-04). Refer to Table 2 for additional details. Refer to **Appendix A** for the laboratory analytical reports.

Further discussion on the findings and conclusions of the investigation of the Former Car Wash property are discussed within the main PFAS assessment report provided by CDM Smith.

This report was prepared by Aztech with review and editorial input by the NYSDEC.

Respectfully submitted,

Aztech Environmental Technologies (a LaBella Company)

1. Vaverchak

Sierra Vaverchak Environmental Geologist

Todd Rollend Environmental Scientist

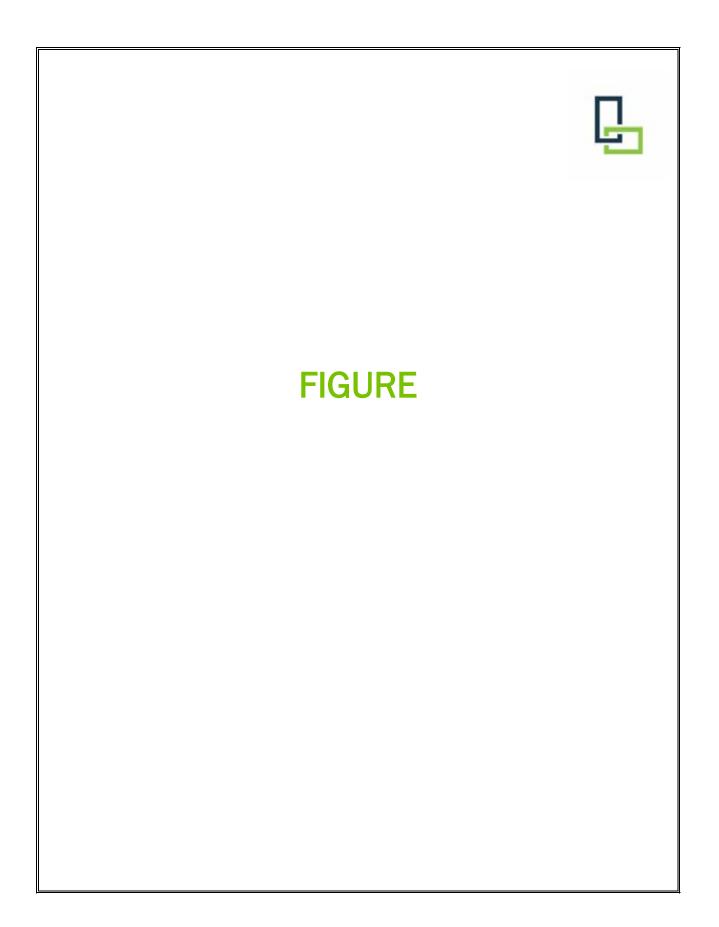
I Randy Hoose certify that I am currently a Qualified Environmental Professional as defined in 6 NYCRR Part 375 and that this Report was prepared in accordance with all applicable statutes and regulations and in substantial conformance with the DER Technical Guidance for Site Investigation and Remediation (DER-10). All investigation and activities were performed in full accordance with the work plan provided by the NYSDEC.

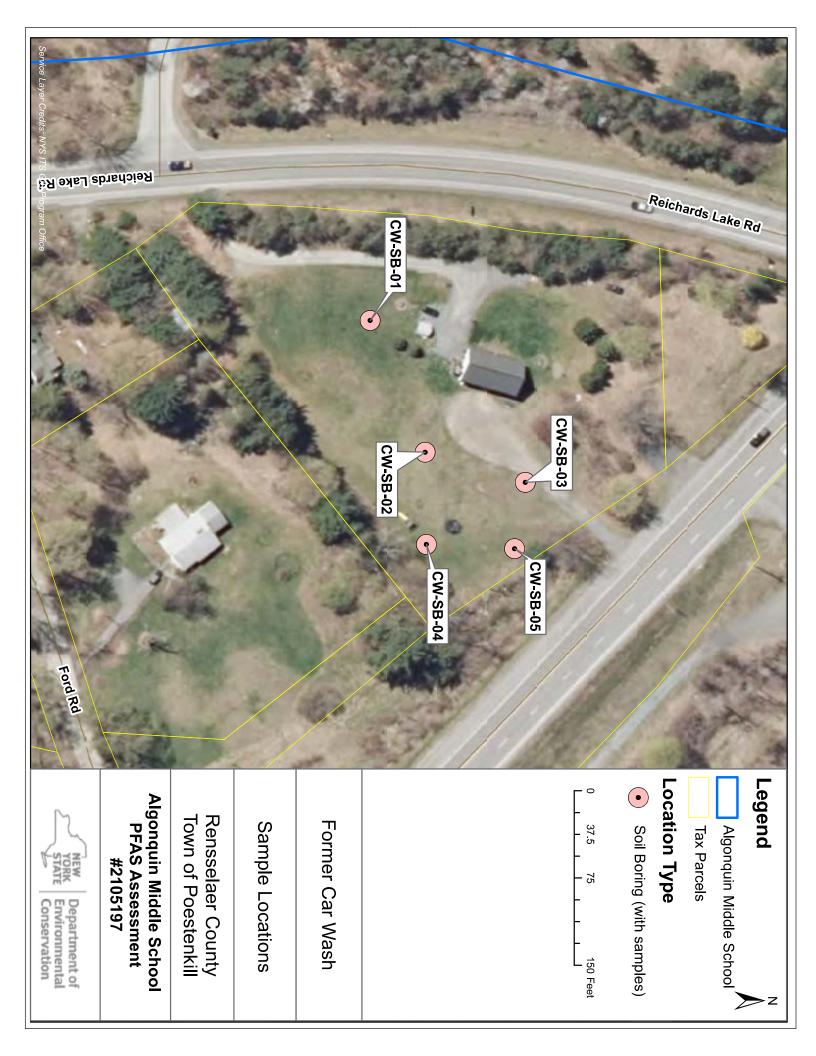
may Hoor

Randy Hoose, P.G. Senior Hydrogeologist

Attachments:

Figure 1 – Site Map Table 2 – Soil, PFAS Results Boring Logs Appendix – A: Laboratory Analytical Reports





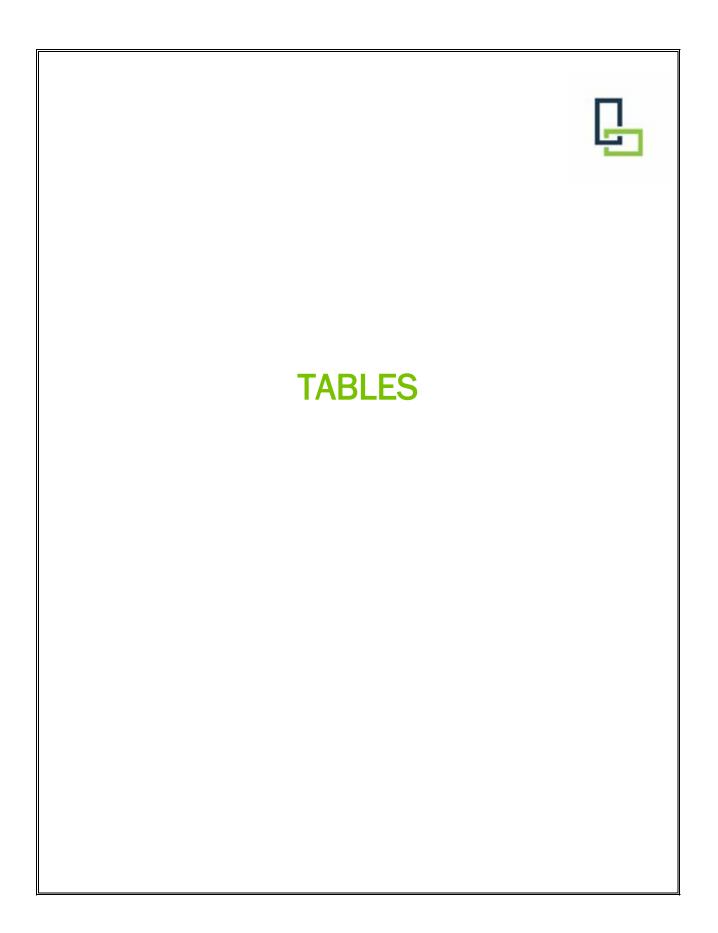


Table 2 Former Car Wash Soil, PFAS Results

| | | | Client Sample ID: | CW/ SE | | | 02.0.21N | CW/ CD | 02.0.21N | CW/ SD / | 12 2 1 2 NI | CW/ CD / | 2 40 72IN |
|--|----------------|--------------------------------|-----------------------------|--------------------|-----------|------------------------------|-----------|------------------------------|-----------|-------------------------------|-------------|--------------------|------------|
| | | | | | | CW-SB-02 0-2IN 22H1218-12 | | CW-SB-03 0-2IN 22H1218-18 | | CW-SB-03 2-12IN 22H1218-20 | | | 03 60-72IN |
| | | Lab Sample ID: | | | | | | | | | | 218-21 | |
| | | | Location ID: | | -SB-01 | CW-SB-02 8/18/2022 | | CW-SB-03 8/18/2022 | | CW-SB-03 8/18/2022 | | CW-SB-03 | |
| | | | Sample Date: | 8/ 1 | 8/2022 | | | | | | | 8/18/2022 | |
| | | The second state of the second | Sample Type Code: | | Ν | | Ν | | N | | N | | Ν |
| Analyte | Unit | Unrestricted Use | Residential Use | Result | Qualifier | Result | Qualifier | Result | Qualifier | Result | Qualifier | Result | Qualifier |
| 11 Oblass dates floors 2 Ocean dates 1 Outside Astic | | Guidance Value ¹ | Guidance Value ¹ | 0.10 | 1 | 0.10 | 1 | 0.10 | | 0.10 | 1 | 0.10 | 1 |
| 11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid | µg/kg | NC | NC | < 0.13 | U | < 0.13 | U | < 0.13 | U | < 0.12 | U | < 0.13 | U |
| 1H,1H, 2H, 2H-Perfluorodecane sulfonic acid | µg/kg | NC | NC | < 0.12 | U | < 0.12 | U | < 0.12 | U | < 0.12 | U | < 0.12 | 0 |
| 1H,1H, 2H, 2H-Perfluorohexane sulfonic acid | µg/kg | NC | NC | < 0.087 | U | < 0.086 | U | < 0.088 | U | < 0.082 | U | < 0.083 | U |
| 1H, 1H, 2H, 2H-Perfluorooctane sulfonic acid | µg/kg | NC NC | NC | < 0.11 | U | < 0.11 | U | < 0.11 | U | < 0.1 | U | < 0.1 | U |
| 4,8-Dioxa-3H-perfluorononanoic acid (ADONA) | µg/kg | | NC | < 0.15 | U | < 0.15 | 0 | < 0.15 | U | < 0.14 | U | < 0.14 | 0 |
| 9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid | µg/kg | NC | NC | < 0.12 | U | < 0.12 | U | < 0.12 | U | < 0.11 | U | < 0.11 | U |
| Hexafluoropropylene oxide dimer acid (HFPO-DA) | µg/kg | NC NC | NC | < 0.23 | U | < 0.23 | U | < 0.23 | U | < 0.21 | U | < 0.22 | U |
| N-deuterioethylperfluoro-1-octanesulfonamidoacetic acid | µg/kg | | NC | < 0.13 | U | < 0.13 | U | < 0.13 | U | < 0.13 | U | < 0.13 | U |
| N-deuteriomethylperfluoro-1-octanesulfonamidoacetic acid | µg/kg | NC NC | NC | < 0.086 < 0.073 | U | < 0.085 | U | < 0.087 < 0.074 | U | < 0.081 | U | < 0.082 < 0.07 | U |
| Nonafluoro-3,6-dioxaheptanoic acid | µg/kg | NC | NC | | U | < 0.073 < 0.077 | U | | U | | U | < 0.07 | U |
| Perfluoro(2-ethoxyethane)sulfonic acid | µg/kg | NC | NC | < 0.078 | U | | U | < 0.079 | U | < 0.073 | U | | 0 |
| Perfluoro-1-butanesulfonamide (FBSA) | µg/kg | | NC | < 0.15 | U | < 0.15 | U | < 0.15 | U | < 0.14 | U | < 0.14 | 0 |
| Perfluoro-1-hexanesulfonamide (FHxSA) | µg/kg | NC NC | NC | < 0.14 < 0.089 | U | < 0.14 | U | < 0.14 | U | < 0.13 | 0 | < 0.14 < 0.085 | U |
| Perfluoro-3-methoxypropanoic acid | µg/kg | NC | NC | < 0.089 | U | < 0.088 | U | | U | | U | | 0 |
| Perfluoro-4-methoxybutanoic acid | µg/kg | NC | NC | | U | < 0.086 | U | < 0.088 | U | < 0.082 | U | < 0.083 | U |
| Perfluorobutanesulfonic acid (PFBS) | µg/kg | NC | NC | < 0.072 0.1- | 0 | < 0.072 | U | < 0.073 | U | < 0.068 | U | < 0.069 | U |
| Perfluorobutanoic Acid (PFBA) | µg/kg | NC | NC | - | 4 J | < 0.062 | U | < 0.11 | J | 0.069 | J | < 0.06 | 0 |
| Perfluorodecanesulfonic acid (PFDS) | µg/kg | NC | NC | < 0.11 | | < 0.11 | U | 0.066 | U | < 0.1 | U | < 0.1 | 0 |
| Perfluorodecanoic acid (PFDA) | µg/kg | NC | NC | | 7 J | | U | | J | | U | | U |
| Perfluorododecanoic acid (PFDoA) | µg/kg | NC | NC | < 0.072 < 0.14 | U | < 0.072 < 0.14 | U | < 0.073 < 0.14 | U | < 0.068 | U | < 0.069 < 0.13 | 0 |
| Perfluoroheptanesulfonic acid (PFHpS) Perfluoroheptanoic acid (PFHpA) | µg/kg | NC | NC | < 0.14 0.07 | 7 1 | < 0.14 | U | < 0.14 | U | < 0.13 | U | < 0.13 | U |
| | µg/kg | NC | NC | | / J | | U | < 0.077 | J | | U | | |
| Perfluorohexanesulfonic acid (PFHxS) | µg/kg | NC | NC | < 0.076 < 0.088 | U | < 0.075 | U | | U | < 0.071 | U | < 0.072 < 0.084 | U |
| Perfluorohexanoic acid (PFHxA) Perfluorononanesulfonic Acid (PFNS) | µg/kg | NC | NC NC | < 0.088 | U | < 0.087 < 0.13 | U | < 0.089 < 0.13 | U | < 0.083 | U | < 0.084 | |
| Perfluorononanic acid (PFNA) | µg/kg | NC | NC | 0.13 | | < 0.13 | U | < 0.13 | U | < 0.12 | U | < 0.12 | |
| Perfluoronotanoic acid (PFNA) Perfluorooctane Sulfonamide (FOSA) | µg/kg | NC | | < 0.092 | J | < 0.077 | U | < 0.079 | U | < 0.073 | U | < 0.074 | U |
| Perfluorooctane suifonamide (FOSA) Perfluorooctanesulfonic acid (PFOS) | µg/kg µg/kg | 0.88 | NC 8.8 | < 0.092 | 7 1 | 0.13 | - | < 0.094 | U I | < 0.087 | 0 | < 0.088 | |
| Perfluorooctaniesurionic acid (PFOS) Perfluorooctanoic acid (PFOA) | µg/kg | 0.88 | 6.6 | 0.3 | | 1.0 | - | < 0.14 | 5 | < 0.00 | 1 | < 0.061 | |
| Perfluoropentanesulfonic Acid (PFPeS) | µg/kg µg/kg | NC | NC | < 0.069 | | < 0.069 | U | < 0.14 | 0 | < 0.065 | 5 | < 0.066 | 11 |
| Perfluoropentanoic Acid (PFPeS) Perfluoropentanoic Acid (PFPeA) | µg/kg µg/kg | NC | NC | 0.083 | 2 1 | < 0.069 | U | 0.085 | U I | < 0.065 | 1 | < 0.066 | |
| Perfluorotetradecanoic acid (PFPA) | µg/kg | NC | NC | < 0.09 | | < 0.072 | U | < 0.091 | J | < 0.085 | | < 0.089 | |
| Perfluorotridecanoic Acid (PFTrA) Perfluorotridecanoic Acid (PFTrA) | µg/kg µg/kg | NC | NC | < 0.09 | 0 | < 0.069 | U | < 0.091 | 0 | < 0.085 | 11 | < 0.088 | 11 |
| Perfluoroundecanoic Acid (PFUnA) | µg/kg | NC | NC | 0.10 | | < 0.085 | U | < 0.087 | U | < 0.099 | U | < 0.082 | U |
| | µу∕ ⊾у | INC | INC | 0.10 | 5 | < 0.000 | U | < 0.007 | U | < 0.001 | U | < 0.00Z | U |
| Notes: | | | | | | | | | | | | | |

Notes:

¹New York State Department of Environmental Conservation, *Sampling, Analysis, and Assessment of Per- and*

Polyfluoroalkyl Substances (PFAS), November 2022

Sample Type Code: N - Normal, FD -Field Duplicate

µg/kg - microgram per kilogram = parts per billion (ppb)

NC - No criteria currently exists

U - Compound was not detected at the reporting limit shown

J - An estimated value

Bold - Indicates the compound was detected

Highlighted - Indicates the compound was detected above Unrestricted Use guidance value

Table 2 Former Car Wash Soil, PFAS Results

| | | | Client Sample ID: | | 3-04 0-2IN | | | | | 1 | | | |
|--|-------|-----------------------------|-----------------------------|---------|------------|-----------------|-----------|----------------|-----------|-----------|-----------|-----------|-----------|
| | | | | | | CW-SB-04 2-12IN | | CW-SB-05 0-21N | | | 132-144IN | | 05 2-12IN |
| | | | Lab Sample ID: | | 1218-13 | | 218-14 | | 218-15 | | 218-17 | | 218-16 |
| | | | Location ID: | | | CW-SB-04 | | CW-SB-05 | | CW-SB-05 | | CW-SB-05 | |
| | | | Sample Date: | 8/1 | 8/2022 | | /2022 | | /2022 | 8/18/2022 | | 8/18/2022 | |
| | | | Sample Type Code: | | N | | N | | N | | N | | N |
| Analyte | Unit | Unrestricted Use | Residential Use | Result | Qualifier | Result | Qualifier | Result | Qualifier | Result | Qualifier | Result | Qualifier |
| Analyte | Onit | Guidance Value ¹ | Guidance Value ¹ | nesure | Quanner | nesun | Quanner | Nesure | Quanner | Nesure | Quanner | nesun | Quanner |
| 11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid | µg/kg | NC | NC | < 0.15 | U | < 0.13 | U | < 0.13 | U | < 0.13 | U | < 0.12 | U |
| 1H,1H, 2H, 2H-Perfluorodecane sulfonic acid | µg/kg | NC | NC | < 0.14 | U | < 0.12 | U | < 0.12 | U | < 0.12 | U | < 0.11 | U |
| 1H,1H, 2H, 2H-Perfluorohexane sulfonic acid | µg/kg | NC | NC | < 0.097 | U | < 0.084 | U | < 0.083 | U | < 0.085 | U | < 0.08 | U |
| 1H,1H, 2H, 2H-Perfluorooctane sulfonic acid | µg/kg | NC | NC | < 0.12 | U | < 0.1 | U | < 0.1 | U | < 0.11 | U | < 0.1 | U |
| 4,8-Dioxa-3H-perfluorononanoic acid (ADONA) | µg/kg | NC | NC | < 0.17 | U | < 0.15 | U | < 0.14 | U | < 0.15 | U | < 0.14 | U |
| 9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid | µg/kg | NC | NC | < 0.13 | U | < 0.11 | U | < 0.11 | U | < 0.12 | U | < 0.11 | U |
| Hexafluoropropylene oxide dimer acid (HFPO-DA) | µg/kg | NC | NC | < 0.25 | U | < 0.22 | U | < 0.22 | U | < 0.22 | U | < 0.21 | U |
| N-deuterioethylperfluoro-1-octanesulfonamidoacetic acid | µg/kg | NC | NC | < 0.15 | U | < 0.13 | U | < 0.13 | U | < 0.13 | U | < 0.12 | U |
| N-deuteriomethylperfluoro-1-octanesulfonamidoacetic acid | µg/kg | NC | NC | < 0.096 | U | < 0.083 | U | < 0.082 | U | < 0.084 | U | < 0.079 | U |
| Nonafluoro-3,6-dioxaheptanoic acid | µg/kg | NC | NC | < 0.082 | U | < 0.071 | U | < 0.07 | U | < 0.072 | U | < 0.068 | U |
| Perfluoro(2-ethoxyethane)sulfonic acid | µg/kg | NC | NC | < 0.087 | U | < 0.075 | U | < 0.074 | U | < 0.076 | U | < 0.072 | U |
| Perfluoro-1-butanesulfonamide (FBSA) | µg/kg | NC | NC | < 0.17 | U | < 0.14 | U | < 0.14 | U | < 0.15 | U | < 0.14 | U |
| Perfluoro-1-hexanesulfonamide (FHxSA) | µg/kg | NC | NC | < 0.16 | U | < 0.14 | U | < 0.14 | U | < 0.14 | U | < 0.13 | U |
| Perfluoro-3-methoxypropanoic acid | µg/kg | NC | NC | < 0.099 | U | < 0.086 | U | < 0.085 | U | < 0.087 | U | < 0.082 | U |
| Perfluoro-4-methoxybutanoic acid | µg/kg | NC | NC | < 0.097 | U | < 0.084 | U | < 0.083 | U | < 0.085 | U | < 0.08 | U |
| Perfluorobutanesulfonic acid (PFBS) | µg/kg | NC | NC | < 0.081 | U | < 0.07 | U | < 0.069 | U | < 0.071 | U | < 0.067 | U |
| Perfluorobutanoic Acid (PFBA) | µg/kg | NC | NC | 0.1 | 3 J | < 0.061 | U | < 0.06 | U | 0.093 | J | < 0.058 | U |
| Perfluorodecanesulfonic acid (PFDS) | µg/kg | NC | NC | 0.1 | 4 J | < 0.11 | U | < 0.11 | U | < 0.11 | U | < 0.1 | U |
| Perfluorodecanoic acid (PFDA) | µg/kg | NC | NC | 0.1 | 5 J | < 0.059 | U | 0.074 | J | < 0.06 | U | < 0.056 | U |
| Perfluorododecanoic acid (PFDoA) | µg/kg | NC | NC | < 0.081 | U | < 0.07 | U | < 0.069 | U | < 0.071 | U | < 0.067 | U |
| Perfluoroheptanesulfonic acid (PFHpS) | µg/kg | NC | NC | < 0.16 | U | < 0.14 | U | < 0.14 | U | < 0.14 | U | < 0.13 | U |
| Perfluoroheptanoic acid (PFHpA) | µg/kg | NC | NC | 0.07 | B J | < 0.066 | U | < 0.065 | U | 0.076 | J | < 0.063 | U |
| Perfluorohexanesulfonic acid (PFHxS) | µg/kg | NC | NC | < 0.084 | U | < 0.073 | U | < 0.072 | U | < 0.074 | U | < 0.07 | U |
| Perfluorohexanoic acid (PFHxA) | µg/kg | NC | NC | 0.1 | 3 J | < 0.085 | U | < 0.084 | U | 0.09 | J | < 0.081 | U |
| Perfluorononanesulfonic Acid (PFNS) | µg/kg | NC | NC | < 0.14 | U | < 0.12 | U | < 0.12 | U | < 0.13 | U | < 0.12 | U |
| Perfluorononanoic acid (PFNA) | µg/kg | NC | NC | 0.1 | 1 J | 0.29 | J | < 0.074 | U | < 0.076 | U | < 0.072 | U |
| Perfluorooctane Sulfonamide (FOSA) | µg/kg | NC | NC | < 0.1 | U | < 0.089 | U | < 0.088 | U | < 0.09 | U | < 0.085 | U |
| Perfluorooctanesulfonic acid (PFOS) | µg/kg | 0.88 | 8.8 | 1.1 | 9 | 0.52 | | 0.23 | J | 0.11 | J | 0.11 | J |
| Perfluorooctanoic acid (PFOA) | µg/kg | 0.66 | 6.6 | 1 | 1 | 0.97 | | 1.8 | | < 0.13 | U | 0.55 |) |
| Perfluoropentanesulfonic Acid (PFPeS) | µg/kg | NC | NC | < 0.077 | U | < 0.067 | U | < 0.066 | U | < 0.068 | U | < 0.064 | U |
| Perfluoropentanoic Acid (PFPeA) | µg/kg | NC | NC | 0.1 | 5 J | < 0.07 | U | < 0.069 | U | 0.12 | J | < 0.067 | U |
| Perfluorotetradecanoic acid (PFTA) | µg/kg | NC | NC | < 0.1 | U | < 0.087 | U | < 0.086 | U | < 0.088 | U | < 0.083 | U |
| Perfluorotridecanoic Acid (PFTriA/PFTrDA) | µg/kg | NC | NC | < 0.12 | U | < 0.1 | U | < 0.1 | U | < 0.1 | U | < 0.098 | U |
| Perfluoroundecanoic Acid (PFUnA) | µg/kg | NC | NC | < 0.096 | U | 0.26 | J | < 0.082 | U | < 0.084 | U | < 0.079 | U |
| Notes: | • | | | | | | | | | | | | |

Notes:

¹New York State Department of Environmental Conservation, *Sampling, Analysis, and Assessment of Per- and*

Polyfluoroalkyl Substances (PFAS), November 2022

Sample Type Code: N - Normal, FD -Field Duplicate

µg/kg - microgram per kilogram = parts per billion (ppb)

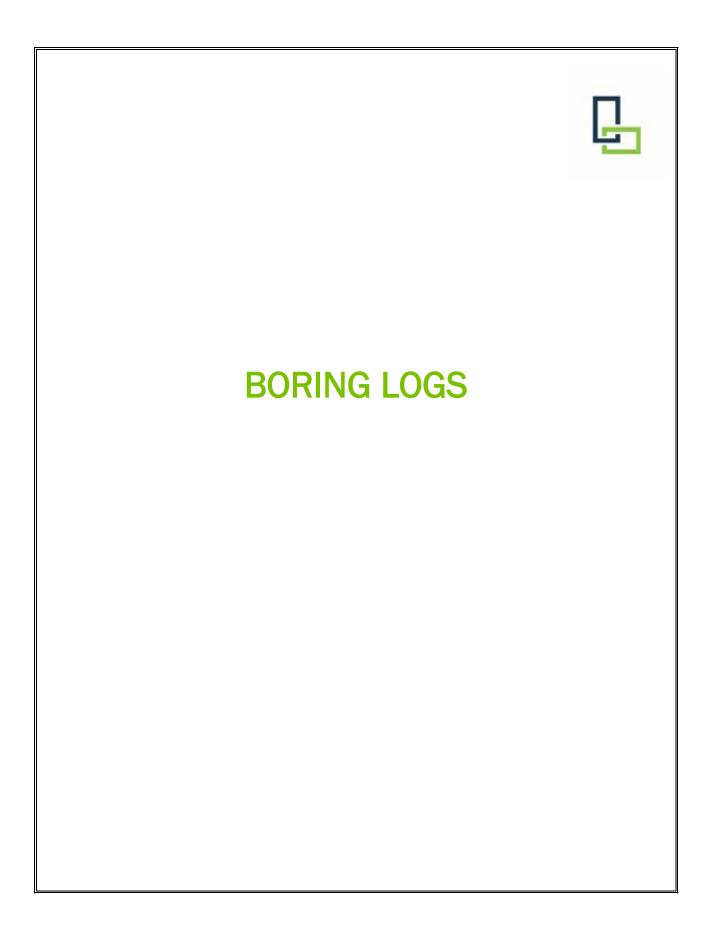
NC - No criteria currently exists

U - Compound was not detected at the reporting limit shown

J - An estimated value

Bold - Indicates the compound was detected

Highlighted - Indicates the compound was detected above Unrestricted Use guidance value



| MONITORING WELL / BORING NO. CW-SB | -01 |
|---|--|
| Site Name:NYSDEC - Algonquin Middle School_ Date Drill | ed: August 18, 2022 |
| Location: Former Car Wash Drilling C | O.: Clean Globe Environmental Powered by partnership. |
| Client: NYSDEC Driller: | |
| Phone No.:N/A Logged b | DY:B.Baulsir CW-SB-01 0-2" |
| Drilling Method: <u>Geoprobe 7822 DT</u> (Dia): <u>2"</u> Sampli | ng Method: <u>Macro Core</u> (Dia): <u>2</u> |
| Drilled TD:8'(Dia):2''_ Sample | I |
| Nell TD:(Dia):N/A(Dia):N/AWell Ty | ype:N/A |
| Screen Interval: <u>N/A</u> Slot Size: <u>N/A</u> | Diameter: ^{N/A} |
| Cased Interval: <u>N/A</u> Type: <u>N/A</u> | Diameter:N/A |
| Sand Pack Interval: ^{N/A} Type: ^{N/A} _ | Wellhead Prot: ^{N/A} |
| Bentonite Seal Interval: <u>N/A</u> Type: <u>N/A</u> | Grouted Interval: ^{N/A} |
| | |
| Depth Monitoring Well Recovery; PID Feet) Construction Recovery; (ppm | |
| 0 | |
| | , , , , , , , , , , , , , , , , , , , |
| S-1: 0' - 5.0' Rec: 2"/5.0' | 2" - 8.0' Weathered shale fragments |
| 5 - | |
| - - - - - - - - - - - - - - - - - - - | |
| | |
| 10 | End of boring (refusal), weathered shale bedrock in sampler shoe @ 8.0' Groundwater was not encountered No monitoring well installed |
| | 8.0' |
| | |
| 15 | |
| | |
| | |
| | |
| 20 | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| 35 J | |
| Monitoring Well Completion / Boring Log drafted by LaBella Associ | ates, D.P.C. PAGE <u>1</u> of <u>1</u> |

| MONITORING WELL / BORI | NG NO. CW | -SB-0 | 2 | |
|--|--------------------------------|------------------|---|--|
| Site Name: NYSDEC - Algonquin N | | | | 🖵 LaBella |
| Location: Former Car Wash | Drill | ing Co.; | Clean Globe Environmental | Powered by partnership. |
| Client: NYSDEC | Drill | er: ^M | ario Pineda | Soil Samples Collected: |
| Phone No.: N/A | Log | ged by:_ | B.Baulsir | CW-SB-02 0-2" |
| Drilling Method: Geoprobe 7822 D | | | | |
| Drilled TD:4' | | | | |
| Well TD: ^{N/A} | | | | |
| Screen Interval:Sl | ot Size: ^N | /A | _Diameter: ^{N/A} | |
| Cased Interval: <u>N/A</u> Ty | pe:N/A | | _Diameter:N/A | |
| Sand Pack Interval: N/A | Туре: | N/A | _Wellhead Prot: ^{N/A} | |
| Bentonite Seal Interval: ^{N/} | AType: | N/A | _Grouted Interval: _{N/A} | |
| Depth Monitoring Well (Feet) Construction | Recovery; | PID (ppm): | Descriptio | on / Soil Classification |
| ° – | | 3.5 | 0' - 2" Brown fine SAND and SILT | a come weathered shale fragments |
| | S-1: 0' - 5.0' Rec: 2"/4.0' | 5.5 | 2" - 4.0' Weathered shale fragments | , some weathered shale fragments s |
| | | | End of boring (refusal), we | athered shale bedrock in sampler shoe @ 4.0' |
| 5 | | | Groundwater was not enco No monitoring well installe | ountered d |
| | | | | 4.0' |
| | | | | |
| 10 — — — | | | | |
| | | | | |
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| 15 — | | | | |
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| 25 - | | | | |
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| 30 - | | | | |
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| | | | | |
| 35 Monitoring Well Completion / Boring Lo | g drafted by LaBella | Associate | | PAGE _ 1 _ of _ 1 _ |

| MONITORING WELL / BOR | ING NO. CW-SB-(|)3 | |
|--|--|---|---|
| Site Name: | | | 🖵 LaBella |
| Location: Former Car Wash | | | Powered by partnership. |
| Client: NYSDEC | Driller:^ | /ario Pineda | Soil Samples Collected: |
| Phone No.: N/A | Logged by: | B.Baulsir | CW-SB-03 0-2" |
| | | g Method: Macro Core (Dia): 2" | CW-SB-03 2-12" CW-SB-03 60-72" |
| | | TD: <u>see samples collected</u> (Dia): N/A | |
| Well TD: | | | |
| Screen Interval: <u>N/A</u> S | | | |
| Cased Interval: <u>N/A</u> T | ype:N/A | Diameter:N/A | |
| Sand Pack Interval:N/A | Type:N/A | Wellhead Prot: ^{N/A} | |
| Bentonite Seal Interval: | √AType:N/A | Grouted Interval: ^{N/A} | |
| Depth Monitoring Well (Feet) Construction | Recovery; PID (ppm): | Descriptio | n / Soil Classification |
| ۰ ٦ | | | |
| | 3.7 | 0' - 6.0' Brown fine SAND and SILT | , some weathered shale fragments |
| | S-1: 0' - 5.0' Rec: 3.5'/5.0' | | |
| 5 | | - | |
| | S-2: 5.0' - 7.0' Rec: 2.0'/2.0' 2.7 | 6.0' - 7.0' Weathered shale fragment | S |
| | | Groundwater was not enco | athered shale bedrock in sampler shoe @ 7.0' untered |
| 10 - | | No monitoring well installed | 3 7.0' |
| | | | |
| | | | |
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| 30 — | | | |
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| | | | |
| 35 | | | |
| Monitoring Well Completion / Boring L | og drafted by LaBella Associate | les, D.P.C. | PAGE _ 1 _ of _ 1 |

| MONITORING WELL / BORI | ING NO. CW-SB | -04 | |
|--|---|---|---|
| Site Name: NYSDEC - Algonquin | | | LaBella |
| Location: Former Car Wash | Drilling Co | Clean Globe Environmental | Powered by partnership. |
| Client: NYSDEC | Driller: | Mario Pineda | Soil Samples Collected: |
| Phone No.: N/A | Logged b | y:B.Baulsir | CW-SB-04 0-2" CW-SB-04 0-2" MS/MSD |
| Drilling Method: Geoprobe 7822 | DT_(Dia):2" Sampli | ng Method: Macro Core (Dia): 2" | |
| | | ed TD: see samples collected (Dia): N/A | |
| Well TD: | (Dia): <u>N/A</u> Well Ty | rpe: | |
| Screen Interval: <u>N/A</u> SI | lot Size: ^{N/A} | Diameter:N/A | |
| Cased Interval: <u>N/A</u> Ty | ype:N/A | Diameter: ^{N/A} | |
| Sand Pack Interval:N/A | Type:N/A | Wellhead Prot: ^{N/A} | |
| Bentonite Seal Interval:N | I/AType:N/A | Grouted Interval: ^{N/A} | |
| | | | |
| DepthMonitoring Well(Feet)Construction | Recovery; PID (ppm | | ion / Soil Classification |
| ° ¬ | | | |
| | 0.9 | | LT, some weathered shale fragments Silt, Clay, and weathered shale fragments |
| | S-1: 0' - 5.0' Rec: 4.0'/5.0' | | |
| 5 | | | |
| | S-2: 5.0' - 8.0' <1.0 Rec: 3.0'/3.0' | 6.0' - 8.0' Weathered shale fragmer | its |
| | Nec. 3.073.0 | | |
| 10 | | Groundwater was not en No monitoring well instal | veathered shale bedrock in sampler shoe @ 8.0' icountered led |
| | | | 8.0' |
| | | | |
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| 35 J | drafted by LaPolla Associ | | DAGE 1 of 1 |
| Monitoring Well Completion / Boring Lo | by uraneu by Labella Associa | IIIES, J.F.G. | PAGE of |

| Site Na | Ime: NYSDEC - Algonquin | Middle School Date | e Drilled | August 18, 2022 | IL LaBella |
|----------------|---|----------------------------------|---------------|--|--|
| | n:Former Car Wash | | | | Powered by partnership. |
| | NYSDEC | | - | | Soil Samples Collected: |
| | | | | B.Baulsir | CW-SB-05 0-2" |
| | | | | Method: Macro Core (Dia): 2" | CW-SB-05 2-12" CW-SB-05 132-144" |
| | | | | TD: see samples collected (Dia): N/A | Duplicate Parent CW-SB-05 0-2" |
| | | | | ə: N/A | |
| | | | | _ Diameter: ^{N/A} | |
| | | | | Diameter:N/A | |
| | | | | Wellhead Prot: ^{N/A} | |
| | | | | Grouted Interval:N/A | |
| | | | | | |
| Depth Feet) | Monitoring We ll Construction | Recovery; | PID (ppm): | Description | n / Soil Classification |
| ° ¬ | | | | | |
| | | S-1: 0' - 5.0' | | | It and weathered shale fragments , some weathered shale fragments |
| - | | Rec: 4.0'/5.0' | 7.4 | | |
| 5 - | | | | | |
| - | | S-2: 5.0' - 10' | | | |
| 4 | | Rec: 4.0'/5.0' | 3.8 | | |
| 10 - | | | | | |
| - | | S-3: 10' - 13' Rec: 3.0'/3.0' | 0.9 | | |
| | | | | | athered shale bedrock in sampler shoe @ 13' |
| 15 | | | | Groundwater was not enco No monitoring well installed | ountered |
| 4 | | | | | 1 |
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LABORATORY ANALYTICAL REPORTS



A LaBella Company

March 13, 2023 (Revised 4-18-2023)

Brittany O'Brien-Drake New York State Department of Environmental Conservation 625 Broadway Albany, NY 12233

RE: Site Summary Report (Rev. 4-18-2023) Algonquin Middle School PFAS Assessment #2105197 Hass Manufacturing, 371 NY-351, Poestenkill, NY Tax parcel ID: 136.-7-6.2

Aztech Environmental Technologies Inc. (Aztech), a LaBella company, has provided this report to document overburden soil and groundwater assessment methodologies and sampling results for the above referenced location. All field investigation activities were performed at the discretion of and in accordance with the scope of work (SOW) developed and provided by the New York State Department of Environmental Conservation (NYSDEC).

The property is currently utilized by Hass Manufacturing (HM) as a valve manufacturing business with operations primarily located on the north-northeast portion of the site. The approximate 3.23-acre parcel is located along the western side of White Church Road (NY Rt 351) and north of Averill Park Road (Rt 66). A portion of the property is mainly flat with a downward gradient from east to west. Bedrock outcropping is visible along the southwestern property boundary. The manufacturing structure is located on the north-northeastern portion of the property. The attached **Figure 1** depicts property features and boundaries.

The property contained very minimal overburden and shallow bedrock was generally encountered within 1 foot below ground surface (bgs). Overburden soil encountered during drilling activities consisted primarily of fine sand. Various amounts of shale fragments typically increased in depth to tooling refusal. Shale fragments in the sampler shoe at terminal boring depths from approximately 0.5 feet below grade (fbg) (HM-SB-04, HM-SB-05 and HM-SB-08) to 3.5 fbg (HM-SB-07) is noted on boring logs.

Prior to intrusive groundwork, a UDig NY utility clearance ticket was ordered for the property. Additionally, a private utility locating contractor performed utility clearance with ground penetrating radar (GPR) at each boring location on August 8, 2022. Boring locations confirmed as clear were painted white and marked with a white flag.

SUMMARY OF FIELD INVESTIGATIONS:

Air monitoring

Air monitoring was conducted during all ground-intrusive work at the property (August 18, 2022) in accordance with the New York State Department of Health (NYSDOH) Generic Community Air Monitoring Plan (CAMP). One dedicated Dust Trak unit with photo-ionization detector (PID) was positioned upwind with a second dedicated unit placed downwind at each boring location. No exceedances for volatile organic compounds (VOCs) or particulates were recorded.



Soil Boring and Monitoring Well Installation

On August 18, 2022, Clean Globe Environmental (CGE) advanced soil borings (HM-SB-01 through HM-SB-08) utilizing a Geoprobe 7822DT and direct-push techniques to terminal depths ranging from 5 inches below grade (BG) to 3.5 fbg. All boring locations were used to confirm depth to shallow bedrock. Due to the lack of groundwater encountered at the property, soil borings were not converted to monitoring wells. Aztech provided oversight of drilling activities and performed soil headspace screening, soil classification, and soil sampling. Soil boring locations are depicted on the attached **Figure 1**.

Soil Sampling

Individual soil samples were visually classified and headspace screened with a PID calibrated to a 100 part per million (ppm) isobutylene calibrant gas. Soil samples from select boring locations were collected from the surface grade to 2-inch BG interval.

The actual number of soil samples was dependent on field conditions. A total of six (6) depth discrete subsurface soil samples were collected from the eight (8) soil borings and analyzed for PFAS compounds by analytical method 537M for soil. Soil samples were not collected from HM-SB-02 and HM-SB-06.

An additional sample collected for quality assurance/quality control (QA/QC) purposes included one (1) equipment blank. The equipment blank was collected via the stainless-steel soil mixing trowel on August 18, 2022. Laboratory analytical results for the equipment blank sample recorded PFOA below the laboratory reporting limit (RL) at an estimated concentration of 0.62 nanograms per liter (ng/L). Refer to **Table 1** for additional details.

DISCUSSION OF ANALYTICAL RESULTS

STANDARDS, CRITERIA, & GUIDANCE VALUES:

The following documents will be used to evaluate soil, groundwater, surface water, and sediment analytical results:

Soil

- Unrestricted Use and Residential Use soil guidance values from NYSDEC Sampling, Analysis, and Assessment of PFAS Under NYSDEC's Part 375 Remedial Programs, November 2022.

It is noted that the NYSDEC Standards, Criteria, & Guidance Values are listed in concentrations of parts per trillion (ppt), parts per billion (ppb), and parts per million (ppm) while laboratory analytical results are reported in equivalent concentrations. For example,

- In soil:
 - 1 ppt = 1 nanogram per kilogram (ng/kg),
 - \circ 1 ppb = 1 microgram per kilogram (μ g/kg), and
 - 1 ppm = 1 milligram per kilogram (mg/kg)

Soil Results:

Of the six (6) soil samples collected and analyzed for PFAS compounds by analytical method 537M, each sample had one or more compounds detected. PFOA was recorded in the 0-2" BG depth interval within four (4) boring locations at estimated concentrations ranging from 0.14 μ g/kg (HM-SB-03) to 0.22 μ g/kg (HM-SB-07). These concentrations are below the Unrestricted Use guidance value of 0.66 μ g/kg. PFOS was recorded within each of the six (6) boring locations at estimated concentrations



ranging from 0.13 μ g/kg (HM-SB-04) to 0.4 μ g/kg (HM-SB-03). These concentrations are below the Unrestricted Use guidance value of 0.88 μ g/kg.

PFAS compounds that were detected but do not have corresponding guidance values include: PFBA, PFDA, PFHpA, PFHxA, PFNA, PFPeA, and PFUnA. The maximum concentration recorded for compounds without criteria was PFUnA at an estimated concentration of 0.17 μ g/kg.

Refer to Table 2 for additional details. Refer to Appendix A for the laboratory analytical reports.

Further discussion on the findings and conclusions of the investigation of the Hass Manufacturing property are discussed within the main PFAS assessment report provided by CDM Smith.

This report was prepared by Aztech with review and editorial input by the NYSDEC.

Respectfully submitted,

Aztech Environmental Technologies (a LaBella Company)

in Vaverchak

Sierra Vaverchak Environmental Geologist

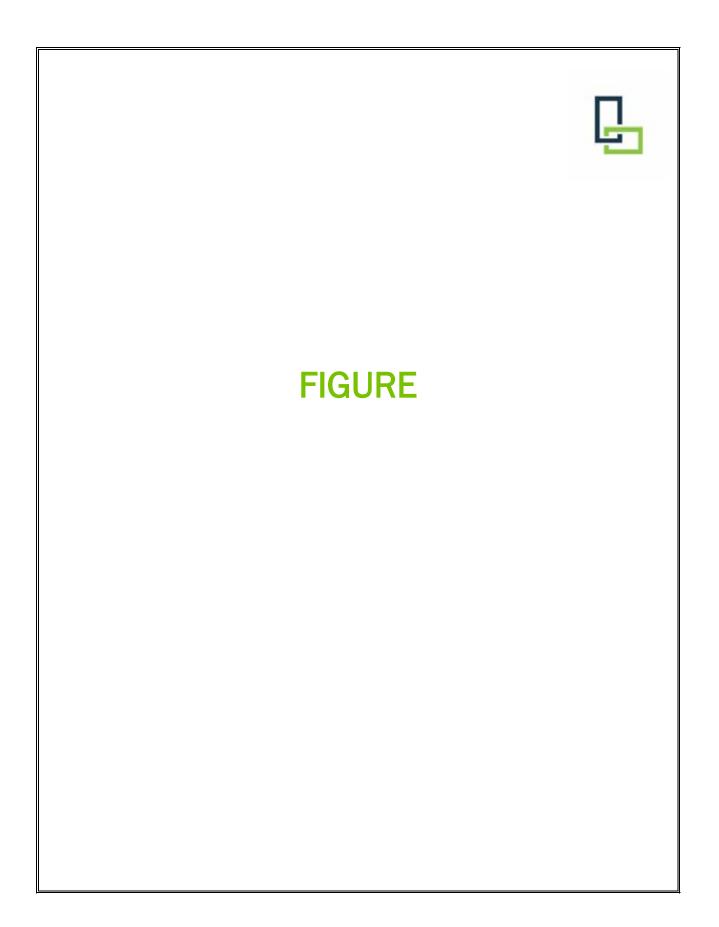
I Randy Hoose certify that I am currently a Qualified Environmental Professional as defined in 6 NYCRR Part 375 and that this Report was prepared in accordance with all applicable statutes and regulations and in substantial conformance with the DER Technical Guidance for Site Investigation and Remediation (DER-10). All investigation and activities were performed in full accordance with the work plan provided by the NYSDEC.

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Randy Hoose, PG Senior Hydrogeologist

Attachments:

Figure 1 – Site Map Table 1 – Equipment Blank, PFAS Results Table 2 – Soil, PFAS Results Boring Logs Appendix – A: Laboratory Analytical Reports





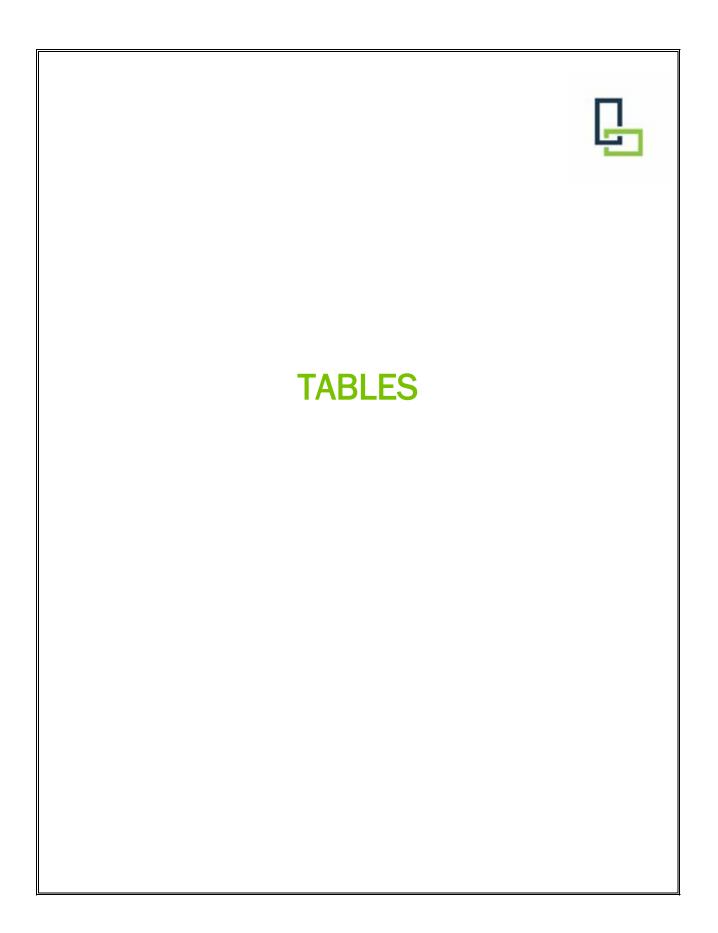


Table 1 Hass Manufacturing Equipment Blank, PFAS Results

| | | ient Sample ID: Lab Sample ID: Sample Date: | 22H1218-04 8/18/2022 | | |
|--|------|---|-------------------------|-----------|--|
| | Sam | ple Type Code: | E | B | |
| | | NYSDEC | Result | Qualifier | |
| Analyte | Unit | Guidelines ¹ | neoun | Quanner | |
| 11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11CI-PF3OUdS) | ng/L | NC | < 0.55 | U | |
| 1H,1H, 2H, 2H-Perfluorodecane sulfonic acid | ng/L | NC | < 0.52 | U | |
| 1H,1H, 2H, 2H-Perfluorohexane sulfonic acid | ng/L | NC | < 0.24 | U | |
| 1H,1H, 2H, 2H-Perfluorooctane sulfonic acid | ng/L | NC | < 0.31 | U | |
| 4,8-Dioxa-3H-perfluorononanoic acid (ADONA) | ng/L | NC | < 0.3 | U | |
| 9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid (9CI-PF3ONS) | ng/L | NC | < 0.33 | U | |
| Hexafluoropropylene oxide dimer acid (HFPO-DA) | ng/L | NC | < 0.2 | U | |
| N-deuterioethylperfluoro-1-octanesulfonamidoacetic acid | ng/L | NC | < 0.54 | U | |
| N-deuteriomethylperfluoro-1-octanesulfonamidoacetic acid | ng/L | NC | < 0.65 | U | |
| N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA) | ng/L | NC | NA | | |
| N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA) | ng/L | NC | NA | | |
| Nonafluoro-3,6-dioxaheptanoic acid (NFDHA) | ng/L | NC | < 0.24 | U | |
| Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA) | ng/L | NC | < 0.2 | U | |
| Perfluoro-1-butanesulfonamide (FBSA) | ng/L | NC | < 0.16 | U | |
| Perfluoro-1-hexanesulfonamide (FHxSA) | ng/L | NC | < 0.27 | U | |
| Perfluoro-3-methoxypropanoic acid (PFMPA) | ng/L | NC | < 0.36 | U | |
| Perfluoro-4-methoxybutanoic acid (PFMBA) | ng/L | NC | < 0.29 | U | |
| Perfluorobutanesulfonic acid (PFBS) | ng/L | NC | < 0.24 | U | |
| Perfluorobutanoic Acid (PFBA) | ng/L | NC | < 0.64 | U | |
| Perfluorodecanesulfonic acid (PFDS) | ng/L | NC | < 0.28 | U | |
| Perfluorodecanoic acid (PFDA) | ng/L | NC | < 0.42 | U | |
| Perfluorododecanoic acid (PFDoA) | ng/L | NC | < 0.38 | U | |
| Perfluoroheptanesulfonic acid (PFHpS) | ng/L | NC | < 0.8 | U | |
| Perfluoroheptanoic acid (PFHpA) | ng/L | NC | < 0.29 | U | |
| Perfluorohexanesulfonic acid (PFHxS) | ng/L | NC | < 0.29 | U | |
| Perfluorohexanoic acid (PFHxA) | ng/L | NC | < 0.33 | U | |
| Perfluorononanesulfonic Acid (PFNS) | ng/L | NC | < 0.14 | U | |
| Perfluorononanoic acid (PFNA) | ng/L | NC | < 0.3 | U | |
| Perfluorooctane Sulfonamide (PFOSA) | ng/L | NC | < 0.36 | U | |
| Perfluorooctanesulfonic acid (PFOS) | ng/L | 10 | < 0.51 | U | |
| Perfluorooctanoic acid (PFOA) | ng/L | 10 | 0.62 | J | |
| Perfluoropentanesulfonic Acid (PFPeS) | ng/L | NC | < 0.22 | U | |
| Perfluoropentanoic Acid (PFPeA) | ng/L | NC | < 0.34 | U | |
| Perfluorotetradecanoic acid (PFTeDA) | ng/L | NC | < 0.31 | U | |
| Perfluorotridecanoic Acid (PFTriA/PFTrDA) | ng/L | NC | < 0.24 | U | |
| Perfluoroundecanoic Acid (PFUnA) | ng/L | NC | < 0.32 | U | |

Notes:

¹New York State Department of Environmental Conservation, Sampling, Analysis, and

Assessment of Per- and Polyfluoroalkyl Substances (PFAS), November 2022

Sample Type Code: EB - Equipment Blank

ng/L - nanogram per liter = parts per trillion (ppt)

NC - No criteria currently exists

NA - Compound was not analyzed for

U - Compound was not detected at the reporting limit shown

J - An estimated value

Bold - Indicates the compound was detected

Highlighted - Indicates the compound was detected above applicable NYSDEC Standards, Criteria, & Guidance Values

Table 2 Hass Manufacturing Soil, PFAS Results

| | | | Client Sample ID: | HM-SB- | 01 0-2IN | HM-SB- | 03 0-21N | HM-SB-0 |)4 0-2IN |
|--|--------------|-----------------------------|-----------------------------|-------------------|-----------|---------|-----------|---------|-----------|
| | | | Lab Sample ID: | | 218-08 | | 218-07 | 22H12 | |
| | | | Location ID: | HM-SB-01 HM-SB-03 | | | HM-SB-04 | | |
| | | | Sample Date: | | /2022 | | 8/18/2022 | | 2022 |
| | | | Sample Type Code: | | N | N | | N | |
| | Unrestricted | | Residential Use | | | | | | |
| Analyte | Unit | Guidance Value ¹ | Guidance Value ¹ | Result | Qualifier | Result | Qualifier | Result | Qualifier |
| 11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid | µg/kg | NC | NC | < 0.14 | U | < 0.13 | U | < 0.13 | U |
| 1H,1H, 2H, 2H-Perfluorodecane sulfonic acid | µg/kg | NC | NC | < 0.13 | U | < 0.12 | U | < 0.12 | U |
| 1H,1H, 2H, 2H-Perfluorohexane sulfonic acid | µg/kg | NC | NC | < 0.09 | U | < 0.087 | U | < 0.087 | U |
| 1H,1H, 2H, 2H-Perfluorooctane sulfonic acid | µg/kg | NC | NC | < 0.11 | U | < 0.11 | U | < 0.11 | U |
| 4,8-Dioxa-3H-perfluorononanoic acid (ADONA) | µg/kg | NC | NC | < 0.16 | U | < 0.15 | U | < 0.15 | U |
| 9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid | µg/kg | NC | NC | < 0.12 | U | < 0.12 | U | < 0.12 | U |
| Hexafluoropropylene oxide dimer acid (HFPO-DA) | µg/kg | NC | NC | < 0.24 | U | < 0.23 | U | < 0.23 | U |
| N-deuterioethylperfluoro-1-octanesulfonamidoacetic acid | µg/kg | NC | NC | < 0.14 | U | < 0.13 | U | < 0.13 | U |
| N-deuteriomethylperfluoro-1-octanesulfonamidoacetic acid | µg/kg | NC | NC | < 0.089 | U | < 0.086 | U | < 0.086 | U |
| Nonafluoro-3,6-dioxaheptanoic acid | µg/kg | NC | NC | < 0.076 | U | < 0.073 | U | < 0.073 | U |
| Perfluoro(2-ethoxyethane)sulfonic acid | µg/kg | NC | NC | < 0.081 | U | < 0.077 | U | < 0.078 | U |
| Perfluoro-1-butanesulfonamide (FBSA) | µg/kg | NC | NC | < 0.16 | U | < 0.15 | U | < 0.15 | U |
| Perfluoro-1-hexanesulfonamide (FHxSA) | µg/kg | NC | NC | < 0.15 | U | < 0.14 | U | < 0.14 | U |
| Perfluoro-3-methoxypropanoic acid | µg/kg | NC | NC | < 0.093 | U | < 0.089 | U | < 0.089 | U |
| Perfluoro-4-methoxybutanoic acid | µg/kg | NC | NC | < 0.09 | U | < 0.087 | U | < 0.087 | U |
| Perfluorobutanesulfonic acid (PFBS) | µg/kg | NC | NC | < 0.075 | U | < 0.072 | U | < 0.072 | U |
| Perfluorobutanoic Acid | µg/kg | NC | NC | < 0.065 | U | 0.11 | J | < 0.063 | U |
| Perfluorodecanesulfonic acid (PFDS) | µg/kg | NC | NC | < 0.11 | U | < 0.11 | U | < 0.11 | U |
| Perfluorodecanoic acid (PFDA) | µg/kg | NC | NC | 0.1 | J | 0.13 | J | < 0.061 | U |
| Perfluorododecanoic acid (PFDoA) | µg/kg | NC | NC | < 0.075 | U | < 0.072 | U | < 0.072 | U |
| Perfluoroheptanesulfonic acid (PFHpS) | µg/kg | NC | NC | < 0.15 | U | < 0.14 | U | < 0.14 | U |
| Perfluoroheptanoic acid (PFHpA) | µg/kg | NC | NC | < 0.071 | U | 0.088 | J | < 0.068 | U |
| Perfluorohexanesulfonic acid (PFHxS) | µg/kg | NC | NC | < 0.078 | U | < 0.075 | U | < 0.075 | U |
| Perfluorohexanoic acid (PFHxA) | µg/kg | NC | NC | < 0.092 | U | 0.13 | J | < 0.088 | U |
| Perfluorononanesulfonic Acid (PFNS) | µg/kg | NC | NC | < 0.13 | U | < 0.13 | U | < 0.13 | U |
| Perfluorononanoic acid (PFNA) | µg/kg | NC | NC | 0.084 | J | 0.16 | J | < 0.078 | U |
| Perfluorooctane Sulfonamide (FOSA) | µg/kg | NC | NC | < 0.096 | U | < 0.092 | U | < 0.092 | U |
| Perfluorooctanesulfonic acid (PFOS) | µg/kg | 0.88 | 8.8 | 0.15 | J | 0.4 | J | 0.13 | J |
| Perfluorooctanoic acid (PFOA) | µg/kg | 0.66 | 6.6 | < 0.14 | U | 0.14 | J | 0.16 | J |
| Perfluoropentanesulfonic Acid (PFPeS) | µg/kg | NC | NC | < 0.072 | U | < 0.069 | U | < 0.069 | U |
| Perfluoropentanoic Acid (PFPeA) | µg/kg | NC | NC | 0.11 | J | < 0.072 | U | < 0.072 | U |
| Perfluorotetradecanoic acid (PFTA) | µg/kg | NC | NC | < 0.094 | U | < 0.09 | U | < 0.09 | U |
| Perfluorotridecanoic Acid (PFTriA/PFTrDA) | µg/kg | NC | NC | < 0.11 | U | < 0.11 | U | < 0.11 | U |
| Perfluoroundecanoic Acid (PFUnA) | µg/kg | NC | NC | 0.11 | J | 0.17 | J | < 0.086 | U |

¹New York State Department of Environmental Conservation, Sampling, Analysis, and Assessment of Per- and

Polyfluoroalkyl Substances (PFAS), November 2022

Sample Type Code: N - Normal, FD -Field Duplicate

µg/kg - microgram per kilogram = parts per billion (ppb)

NC - No criteria currently exists

U - Compound was not detected at the reporting limit shown

J - An estimated value

Bold - Indicates the compound was detected

Highlighted - Indicates the compound was detected above Unrestricted Use guidance value

Highlighted - Indicates the compound was detected above Residential Use guidance value

Table 2 Hass Manufacturing Soil, PFAS Results

| | | | Client Sample ID: | HM-SB- | 05 0-21N | HM-SB- | 07 0-2IN | HM-SB-(| 08 0-21N |
|--|-------|-----------------------------|-----------------------------|-------------------|-----------|----------------|-----------|---------|-----------|
| | | | Lab Sample ID: | | 218-05 | | 218-09 | | 218-10 |
| | | | Location ID: | HM-SB-05 HM-SB-07 | | | HM-SB-08 | | |
| | | | Sample Date: | | /2022 | | /2022 | | /2022 |
| | | | Sample Type Code: | | | 0/10/2022 N | | | |
| Intestricted Use | | Unrestricted Use | Residential Use | N | | | | N | |
| Analyte | Unit | Guidance Value ¹ | Guidance Value ¹ | Result | Qualifier | Result | Qualifier | Result | Qualifier |
| 11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid | µg/kg | NC | NC | < 0.14 | U | < 0.14 | U | < 0.13 | U |
| 1H,1H, 2H, 2H-Perfluorodecane sulfonic acid | µg/kg | NC | NC | < 0.13 | U | < 0.13 | U | < 0.12 | U |
| 1H,1H, 2H, 2H-Perfluorohexane sulfonic acid | µg/kg | NC | NC | < 0.091 | U | < 0.093 | U | < 0.087 | U |
| 1H,1H, 2H, 2H-Perfluorooctane sulfonic acid | µg/kg | NC | NC | < 0.11 | U | < 0.12 | U | < 0.11 | U |
| 4,8-Dioxa-3H-perfluorononanoic acid (ADONA) | µg/kg | NC | NC | < 0.16 | U | < 0.16 | U | < 0.15 | U |
| 9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid | µg/kg | NC | NC | < 0.12 | U | < 0.13 | U | < 0.12 | U |
| Hexafluoropropylene oxide dimer acid (HFPO-DA) | µg/kg | NC | NC | < 0.24 | U | < 0.24 | U | < 0.23 | U |
| N-deuterioethylperfluoro-1-octanesulfonamidoacetic acid | µg/kg | NC | NC | < 0.14 | U | < 0.14 | U | < 0.13 | U |
| N-deuteriomethylperfluoro-1-octanesulfonamidoacetic acid | µg/kg | NC | NC | < 0.09 | U | < 0.092 | U | < 0.086 | U |
| Nonafluoro-3,6-dioxaheptanoic acid | µg/kg | NC | NC | < 0.077 | U | < 0.078 | U | < 0.073 | U |
| Perfluoro(2-ethoxyethane)sulfonic acid | µg/kg | NC | NC | < 0.081 | U | < 0.083 | U | < 0.077 | U |
| Perfluoro-1-butanesulfonamide (FBSA) | µg/kg | NC | NC | < 0.16 | U | < 0.16 | U | < 0.15 | U |
| Perfluoro-1-hexanesulfonamide (FHxSA) | µg/kg | NC | NC | < 0.15 | U | < 0.15 | U | < 0.14 | U |
| Perfluoro-3-methoxypropanoic acid | µg/kg | NC | NC | < 0.093 | U | < 0.095 | U | < 0.089 | U |
| Perfluoro-4-methoxybutanoic acid | µg/kg | NC | NC | < 0.091 | U | < 0.093 | U | < 0.087 | U |
| Perfluorobutanesulfonic acid (PFBS) | µg/kg | NC | NC | < 0.075 | U | < 0.077 | U | < 0.072 | U |
| Perfluorobutanoic Acid | µg/kg | NC | NC | < 0.066 | U | 0.14 | J | < 0.063 | U |
| Perfluorodecanesulfonic acid (PFDS) | µg/kg | NC | NC | < 0.11 | U | < 0.12 | U | < 0.11 | U |
| Perfluorodecanoic acid (PFDA) | µg/kg | NC | NC | < 0.063 | U | 0.088 | J | 0.08 | J |
| Perfluorododecanoic acid (PFDoA) | µg/kg | NC | NC | < 0.075 | U | < 0.077 | U | < 0.072 | U |
| Perfluoroheptanesulfonic acid (PFHpS) | µg/kg | NC | NC | < 0.15 | U | < 0.15 | U | < 0.14 | U |
| Perfluoroheptanoic acid (PFHpA) | µg/kg | NC | NC | < 0.071 | U | 0.08 | J | < 0.068 | U |
| Perfluorohexanesulfonic acid (PFHxS) | µg/kg | NC | NC | < 0.079 | U | < 0.081 | U | < 0.075 | U |
| Perfluorohexanoic acid (PFHxA) | µg/kg | NC | NC | < 0.092 | U | < 0.094 | U | < 0.088 | U |
| Perfluorononanesulfonic Acid (PFNS) | µg/kg | NC | NC | < 0.13 | U | < 0.14 | U | < 0.13 | U |
| Perfluorononanoic acid (PFNA) | µg/kg | NC | NC | < 0.081 | U | 0.12 | J | < 0.077 | U |
| Perfluorooctane Sulfonamide (FOSA) | µg/kg | NC | NC | < 0.096 | U | < 0.098 | U | < 0.092 | U |
| Perfluorooctanesulfonic acid (PFOS) | µg/kg | 0.88 | 8.8 | 0.13 | J | 0.33 | J | 0.24 | J |
| Perfluorooctanoic acid (PFOA) | µg/kg | 0.66 | 6.6 | 0.15 | J | 0.22 | J | < 0.13 | U |
| Perfluoropentanesulfonic Acid (PFPeS) | µg/kg | NC | NC | < 0.072 | U | < 0.074 | U | < 0.069 | U |
| Perfluoropentanoic Acid (PFPeA) | µg/kg | NC | NC | < 0.075 | U | < 0.077 | U | < 0.072 | U |
| Perfluorotetradecanoic acid (PFTA) | µg/kg | NC | NC | < 0.094 | U | < 0.096 | U | < 0.09 | U |
| Perfluorotridecanoic Acid (PFTriA/PFTrDA) | µg/kg | NC | NC | < 0.11 | U | < 0.11 | U | < 0.11 | U |
| Perfluoroundecanoic Acid (PFUnA) | µg/kg | NC | NC | < 0.09 | U | 0.11 | J | 0.12 | J |
| Notes: | | | | • | • | • | | | |

¹New York State Department of Environmental Conservation, Sampling, Analysis, and Assessment of Per- and

Polyfluoroalkyl Substances (PFAS), November 2022

Sample Type Code: N - Normal, FD -Field Duplicate

µg/kg - microgram per kilogram = parts per billion (ppb)

NC - No criteria currently exists

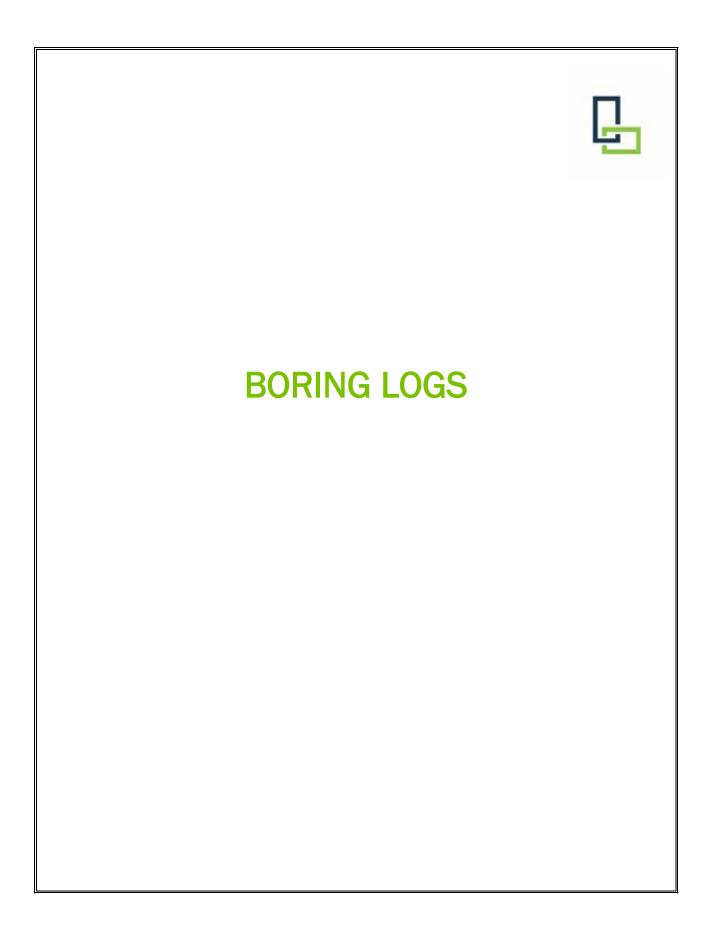
U - Compound was not detected at the reporting limit shown

J - An estimated value

Bold - Indicates the compound was detected

Highlighted - Indicates the compound was detected above Unrestricted Use guidance value

Highlighted - Indicates the compound was detected above Residential Use guidance value



| MONITORING WELL / BORING NO. HM-SB-01 | |
|--|-------------------------|
| Site Name: | LaBella |
| Location: Hass Manufacturing Drilling Co.: Clean Globe Environmental | Powered by partnership. |
| Client: NYSDEC Driller: Mario Pineda | Soil Samples Collected: |
| Phone No.: N/A Logged by: B.Baulsir | HM-SB-01 0-2" |
| Drilling Method: Geoprobe 7822 DT (Dia): 2" Sampling Method: Macro Core (Dia): 2" | _ |
| Drilled TD: <u>1.0'</u> (Dia): <u>2</u> " Sampled TD: see samples collected (Dia): N/A | - |
| Well TD: N/A (Dia): N/A Well Type: N/A | - |
| Screen Interval: N/A Slot Size: N/A Diameter: N/A | - |
| Cased Interval: <u>N/A</u> Type: <u>N/A</u> Diameter: <u>N/A</u> | - |
| Sand Pack Interval: N/A Type: N/A Wellhead Prot: N/A | - |
| Bentonite Seal Interval: N/A Type: N/A Grouted Interval: N/A | - |

| | Depth Monitoring Well Feet) Construction | Recovery; PID (ppm): | Description / Soil Classification |
|---|---|-------------------------|---|
| | Feet) Construction 0 | Recovery; (ppm): | Topsoil and brown fine SAND and weathered shale fragments |
| 20 1 25 1 30 1 31 1 32 1 33 1 | 25 1 1 1 1 1 1 1 1 1 1 1 1 1 | | PAGE <u>1</u> of <u>1</u> |

| MONITORING WELL / BORING NO | |
|--|---|
| Site Name:NYSDEC - Algonquin Middle Schoo | |
| Location: Hass Manufacturing | _ Drilling Co.:Clean Globe Environmental Powered by partnership. |
| Client: NYSDEC | Driller: Mario Pineda Soil Samples Collected: |
| Phone No.: N/A | Logged by: B.Baulsir No soil sample retained from HM-SB-02 |
| Drilled TD: 3.0' (Dia): (Dia): N/A Well TD: N/A (Dia): N/A Screen Interval: N/A Slot Size: Slot Size: Slot Size: Slot Size: Slot Size: Slot Size: Slot Size: Slot Size: Slot Size: Slot Size: Slot Size: Slot Size: Slot Size: Slot Size: Slot Size: Slot Slot Size: Slot Slot Slot Slot Slot Slot Slot Slot | 2" Sampling Method: Macro Core (Dia): 2" 2" Sampled TD: N/A (Dia): N/A (A Well Type: N/A N/A Diameter: N/A N/A Diameter: N/A pe: N/A Wellhead Prot: N/A pe: N/A Grouted Interval: N/A |
| Depth Monitoring Well (Feet) Construction Recover | PID (ppm): Description / Soil Classification |
| ° | |
| 5 | End of boring (refusal), weathered shale bedrock in sampler shoe @ 3.0' Groundwater was not encountered No monitoring well installed 3.0 |

| | S-1: 0' - 3.0' Rec: 0.0'/3.0' | N/A | 0' - 3.0' | No Soil Classification, shallow refusal |
|--|----------------------------------|-----------|-----------|--|
| | | | | End of boring (refusal), weathered shale bedrock in sampler shoe @ 3.0' Groundwater was not encountered No monitoring well installed |
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| MONITORING WELL / BORING NO. | HM-SB-03 | — — — — |
|---|---|-------------------------|
| Site Name: NYSDEC - Algonquin Middle School | Date Drilled: August 18, 2022 | 🔄 🖵 LaBella |
| Location: Hass Manufacturing | Drilling Co.:Clean Globe Environmental | Powered by partnership. |
| Client: NYSDEC | Driller: | Soil Samples Collected: |
| Phone No.: N/A | Logged by:B.Baulsir | HM-SB-03 0-2" |
| Drilling Method: Geoprobe 7822 DT (Dia): 2 | Sampling Method: Macro Core (Dia): 2" | |
| Drilled TD:8"(Dia):2 | Sampled TD: collected (Dia): N/A | |
| Well TD: N/A (Dia): N/A | A_ Well Type: ^{N/A} | |
| Screen Interval:Slot Size: | N/A Diameter: N/A | |
| Cased Interval: <u>N/A</u> Type: | N/A Diameter: N/A | |
| Sand Pack Interval:N/ATy | pe: <u>N/A</u> Wellhead Prot: <u>N/A</u> | |
| Bentonite Seal Interval: <u>N/A</u> Ty | pe: <u>N/A</u> Grouted Interval: <u>N/A</u> | |

| Depth (Feet) | Monitoring We ll Construction | Recovery; | PID (ppm): | Description / Soil Classification | |
|-----------------|---|----------------------------|---------------|--|----|
| 0 - | | | | | |
| | | S-1: 0' - 8" Rec: 8"/8" | 4.8 | 0" - 8" Topsoil and brown fine SAND and weathered shale fragments | |
| | | | | End of boring (refusal), weathered shale bedrock in sampler shoe @ 8" Groundwater was not encountered No monitoring well installed | 8" |
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| Monitor | ing Well Completion / Boring Lo | og drafted by LaBella | Associate | res, D.P.C. PAGE _ 1 _ of _ 1 | _ |

| MONITORING WELL / BORING NO. HM-SB-04 | |
|---|-------------------------|
| Site Name: NYSDEC - Algonquin Middle School Date Drilled: August 18, 2022 | LaBella |
| Location: Hass Manufacturing Drilling Co.: Clean Globe Environmental | Powered by partnership. |
| Client: NYSDEC Driller: Mario Pineda | Soil Samples Collected: |
| Phone No.: N/A Logged by: B.Baulsir | HM-SB-04 0-2" - |
| Drilling Method: Geoprobe 7822 DT (Dia): 2" Sampling Method: Macro Core (Dia): 2" | |
| Drilled TD: 0.5' (Dia): 2" Sampled TD: see samples collected (Dia): N/A | |
| Well TD: N/A (Dia): N/A Well Type: | |
| Screen Interval: N/A Slot Size: N/A Diameter: N/A | |
| Cased Interval: <u>N/A</u> Type: <u>N/A</u> Diameter: <u>N/A</u> | |
| Sand Pack Interval: N/A Type: N/A Wellhead Prot: N/A | |
| Bentonite Seal Interval: N/A Type: N/A Grouted Interval: N/A | |

| Depth (Feet) | Monitoring Well Construction | Recovery; | PID (ppm): | Description / Soil Classification | |
|---|---------------------------------|-----------------------|----------------------|---|----|
| Depth (Feet) | Monitoring Well Construction | Recovery; | PID (ppm): 3.3 | O' - 0.5' Topsoil and brown fine SAND and weathered shale fragments End of boring (refusal), weathered shale bedrock in sampler shoe @ 0.5 Groundwater was not encountered No monitoring well installed | 5' |
| 20 1 1 20 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | ng Well Completion / Boring Lo | og drafted by LaBella | Associate | es, D.P.C. | 1 |

| MONITORING WELL / BORING NO. HM-SB-05 | |
|---|-------------------------|
| Site Name: NYSDEC - Algonquin Middle School Date Drilled: August 18, 2022 | LaBella |
| Location: Hass Manufacturing Drilling Co.: Clean Globe Environmental | Powered by partnership. |
| Client: NYSDEC Driller: Mario Pineda | Soil Samples Collected: |
| Phone No.: N/A Logged by: B.Baulsir | HM-SB-05 0-2" |
| Drilling Method: Geoprobe 7822 DT (Dia): 2" Sampling Method: Macro Core (Dia): 2" | |
| Drilled TD: 0.5' (Dia): 2" Sampled TD: see samples collected (Dia): N/A | |
| Well TD: | |
| Screen Interval: N/A Slot Size: N/A Diameter: N/A | |
| Cased Interval: <u>N/A</u> Type: <u>N/A</u> Diameter: <u>N/A</u> | |
| Sand Pack Interval: N/A Type: N/A Wellhead Prot: N/A | |
| Bentonite Seal Interval: N/A Type: N/A Grouted Interval: N/A | |

| Depth (Feet) | Monitoring We ll Construction | Recovery; | PID (ppm): | Description / Soil Classification | |
|-----------------|---|----------------------------------|---------------|--|---------------------------|
| | | S-1: 0' - 0.5' Rec: 0.5'/0.5' | 4.3 | 0' - 0.5' Topsoil and brown fine SAND and weathered shale | |
| | | | | End of boring (refusal), weathered shale bedrock in Groundwater was not encountered No monitoring well installed | sampler shoe @ 0.5' |
| 5 | | | | | 0.5' |
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| 30 | ing Well Completion / Boring Lo | og drafted by LaBella | Associate | es, D.P.C. | PAGE <u>1</u> of <u>1</u> |

| MONITORING WELL / BORING NO. HM-SB-06 | — — — — |
|---|---------------------------------------|
| Site Name: NYSDEC - Algonquin Middle School Date Drilled: August 18, 2022 | 🛛 📙 LaBella |
| Location: Hass Manufacturing Drilling Co.: Clean Globe Environmental | Powered by partnership. |
| Client: NYSDEC Driller: Mario Pineda | Soil Samples Collected: |
| Phone No.:N/A Logged by:B.Baulsir | No soil sample retained from HM-SB-06 |
| Drilling Method: Geoprobe 7822 DT (Dia): 2" Sampling Method: Macro Core (Dia): 2" | |
| Drilled TD: <u>2.0'</u> (Dia): <u>2"</u> Sampled TD: <u>N/A</u> (Dia): <u>N/A</u> | |
| Well TD: N/A (Dia): N/A Well Type: N/A | |
| Screen Interval:Slot Size:N/ADiameter:N/A | |
| Cased Interval:N/AType:N/ADiameter:N/A | |
| Sand Pack Interval:N/AType:N/AWellhead Prot:N/A | |
| Bentonite Seal Interval: N/A Type: N/A Grouted Interval: N/A | |

| Depth (Feet) | Monitoring We ll Construction | Recovery; | PID (ppm): | Description / Soil Classification | |
|-----------------|---|----------------------------------|---------------|-----------------------------------|--|
| 0 - | | | | | |
| | | S-1: 0' - 2.0' Rec: 0.0'/2.0' | N/A | 0' - 2.0' | No Soil Classification, shallow refusal |
| | | | | | End of boring (refusal), weathered shale bedrock in sampler shoe @ 2.0' Groundwater was not encountered No monitoring well installed |
| 5 – | | | | | 2.0' |
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| Monitor | ing Well Completion / Boring Lo | og drafted by LaBella | Associate | s, D.P.C. | PAGE <u>1</u> of <u>1</u> |

| MONITORING WELL / BORING NO. HM-SB-07 | |
|--|---------------------------|
| | LaBella |
| | Powered by partnership. |
| Client: NYSDEC Driller: Mario Pineda Soil Samples Collect | |
| Phone No.: N/A Logged by: B.Baulsir HM-SB-07 0-2 | 2" |
| Drilling Method: Geoprobe 7822 DT (Dia): 2" Sampling Method: Macro Core (Dia): 2" | |
| Drilled TD: <u>3.5'</u> (Dia): <u>2</u> " Sampled TD: see samples collected (Dia): N/A | |
| Well TD: | |
| Screen Interval: <u>N/A</u> Slot Size: <u>N/A</u> Diameter: <u>N/A</u> | |
| Cased Interval: <u>N/A</u> Type: <u>N/A</u> Diameter: <u>N/A</u> | |
| Sand Pack Interval: ^{N/A} Type: ^{N/A} Wellhead Prot: ^{N/A} | |
| Bentonite Seal Interval: N/A Type: N/A Grouted Interval: N/A | |
| Depth (Feet)Monitoring Well ConstructionRecovery;PID (ppm):Description / Soil Classification | ation |
| 0 3.5 0' - 3.5' Weathered shale bedrock fragments | |
| 3.5 0' - 3.5' Weathered shale bedrock fragments S-1: 0' - 3.5' Rec: 3.5'/3.5' 0' - 3.5' Weathered shale bedrock fragments | |
| | |
| 5 – End of boring (refusal), weathered shale bedr Groundwater was not encountered No monitoring well installed | ock in sampler shoe @ 3.5 |
| | 3.5' |
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| MONITORING WELL / BORING NO. H | |
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| Site Name: NYSDEC - Algonquin Middle School Da | ate Drilled: August 18, 2022 LaBella |
| Location: Hass Manufacturing D | rilling Co.: Clean Globe Environmental Powered by partnership. |
| Client: NYSDEC D | |
| Phone No.: Lo | ogged by:B.Baulsir |
| Drilling Method: Geoprobe 7822 DT (Dia): 2" | Sampling Method: Macro Core (Dia): 2" |
| Drilled TD: <u>5"</u> (Dia): <u>2"</u> | Sampled TD: <u>see samples collected</u> (Dia): N/A |
| Well TD: <u>N/A</u> (Dia): <u>N/A</u> | Well Type:N/A |
| Screen Interval:Slot Size: | N/A Diameter: N/A |
| Cased Interval: <u>N/A</u> Type: | N/A Diameter: N/A |
| Sand Pack Interval:N/AType: | N/A Wellhead Prot: N/A |
| Bentonite Seal Interval: <u>N/A</u> Type: | N/A Grouted Interval: N/A |

| Depth (Feet) | Monitoring We ll Construction | Recovery; | PID (ppm): | Description / Soil Classification | |
|-----------------|---|----------------------------|---------------|--|-----------------|
| 0 7 | | | | | |
| | | S-1: 0' - 5" Rec: 5"/5" | 3.8 | 0' - 0.5" Topsoil and brown fine SAND and weathered shale fra | gments |
| | | | | End of boring (refusal), weathered shale bedrock in sau Groundwater was not encountered No monitoring well installed | npler shoe @ 5" |
| 5 | | | | | 5" |
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| Monitor | Monitoring Well Completion / Boring Log drafted by LaBella Associates, D.P.C. PAGE <u>1</u> of <u>1</u> | | | | AGE |



LABORATORY ANALYTICAL REPORTS