SITE CHARACTERIZATION REPORT
STEWART PARK

SITE NUMBER 851060

Prepared for:

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

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LIST OF ACRONYMS AND ABBREVIATIONS

Acronym/Abbreviation	Definition
ABG	ash, brick, and glass
bgs	below ground surface
DDD	Dichloro-diphenyl-dichloroethane
DDE	Dichloro-diphenyl-dichloroethylene
DDT	Dichloro-diphenyl-trichloroethane
DUSR	Data Usability Summary Report
ELAP	Environmental Laboratory Approval Program
FAP	Field Activities Plan
IDW	investigation-derived waste
µg/kg	microgram(s) per kilogram
µg/L	microgram(s) per liter
MCL	maximum contaminant level
mg/kg	milligram(s) per kilogram
mg/L	milligram(s) per liter
MW	monitoring well
NAD	North American Datum
NAVD	North American Vertical Datum
ND	non-detect
ng/L	nanogram(s) per liter
NTU	Nephelometric Turbidity Units
NYCRR	New York Codes Rules and Regulations
NYLD	New York Leak Detection
NYSDEC	New York State Department of Environmental Conservation
ORP	oxidation-reduction potential
PAH	polycyclic aromatic hydrocarbon
PCBs	polychlorinated biphenyls
PCE	tetrachloroethylene
PFAS	per- and polyfluoroalkyl substances
PFBA	perfluorobutanoic acid
PFHpA	perfluoroheptanoic acid
PFPeA	perfluoropentanoic Acid
PFOA	perfluorooctanoic acid
PFOS	perfluorooctanesulfonic acid
PID	photoionization detector

Acronym/Abbreviation	Definition
PSHEP	Project Safety, Health, and Environmental Plan
PVC	polyvinyl chloride
QAPP	Quality Assurance Project Plan
QAQC	quality assurance/quality control
RCRA	Resource Conservation and Recovery Act
SCO	soil cleanup objective
SGV	Standards and Guidance Values
SVOC	semi-volatile organic compound
TCLP	toxicity characteristic leaching procedure
TDS	total dissolved solids
TOGS	Technical and Operational Guidance Series
TPH	oil and grease
USCS	Unified Soil Classification System
VOC	volatile organic compound

1.0 INTRODUCTION

This Site Characterization Report presents the results of site characterization efforts conducted at Stewart Park (Site Number 851060) in Corning, New York. Site characterization efforts were completed to address potential impacts to the park as a result of the presence of historically imported fill material consisting of ash, brick, and glass (ABG) which was suspected to be present at the property.

2.0 PROJECT BACKGROUND AND OBJECTIVES

Stewart Park is an approximately 12.5-acre site located in the northern portion of the City of Corning as shown on Figure 1. It is bounded by Thorn Street and residential property to the south, Avenue Extension and residential property to the west, Winfield Street and commercial property to the north, an apartment complex to the east, and the I-86 corridor to the northeast. The site is used for community recreational purposes and includes one building in the northwest corner, a parking lot, a small pavilion, a baseball diamond, a pool house and outdoor L-shaped pool, three fenced tennis courts, a basketball court, a soccer field, and a playground with a sandbox. The property was wholly owned by the City of Corning and is maintained by the city of Corning Parks Department.

The park has been in existence since at least the mid-1950s, and based upon oral interviews, it was reported that dumping took place in the 1950s and that glass cullet is believed to be located in this park. Slag was identified on an adjacent residential property.

The City of Corning performed a limited soil investigation as part of a park improvement project in November of 1976. Eight shallow borings were advanced to a depth of 4 – 5 feet throughout the park property as shown on Figure 2 and denoted as B-1 through B-8. The previous borings did not identify any areas of waste material (ABG). Analysis of 1938 through 1968 aerial photographs identified previously industrial buildings and disturbances in the northern and southeastern areas of Stewart Park.

The purpose of this site characterization was to determine the presence of ABG, and if identified, the physical extent of ABG waste at the property, whether contamination is present in surface and subsurface soils, and if groundwater quality is being impacted.

3.0 SITE CHARACTERIZATION SCOPE AND RESULTS

The scope of work for the 2020 site characterization consisted of the following activities:

1. Geophysical investigation to locate subsurface utilities
2. Test pit excavations
3. Surface and subsurface soil investigation
4. Monitoring well installation, development, and groundwater sampling
5. Collection of archive ABG samples
6. Topographic survey of sample locations

Field activities were conducted in accordance with the Site Characterization Workplan (Parsons 2020a). In addition, field activities were completed in accordance with the Generic Field Activities Plan (FAP) (Parsons 2020b), Generic Project Safety, Health, and Environmental Plan (PSHEP) (Parsons, 2020c), and Generic Quality Assurance Project Plan (QAPP) (Parsons, 2020d) prepared and approved for Parsons' contract with NYSDEC. Site-specific elements and specific job safety analyses for test pit excavations, soil sampling, and monitoring well installation were added to the PSHEP.

3.1 Analytical Services

Analytical services for water, soil, and waste samples were provided by ALS Laboratories of Rochester, New York (ALS). ALS is accredited under the National Environmental Laboratory Approval Program and Department of Defense Environmental Laboratory Accreditation Program (ELAP) and is a New York State Department of Health ELAP-certified laboratory. Samples were analyzed in accordance with the workplan for the compounds listed in Table 1.

3.2 Geophysical Survey

A geophysical survey was performed at the site on October 26, 2020 by New York Leak Detection (NYLD) to locate subsurface utility lines before subsurface borings and test pit excavations were begun. A variety of techniques were used to identified subsurface utilities and utilities were marked-out on the ground. Soil boring STP-SB-04, and test pit locations STP-TP-01 and STP-TP-04 were adjusted in the field so that they were a minimum of five feet away from identified utilities.

3.3 Soil Investigation

Field observations from surface soil, soil boring, and test pit sampling efforts are summarized in Table 1 and further described in the surface soil sampling logs (Appendix B), soil boring logs (Appendix C), and test pit logs (Appendix D). Sampling locations are shown on Figure 2. Soils encountered are characteristic of glacial deposits and consist primarily of variable amounts of dense gravel, sand, silt, and/or clay mixtures, typical of glacial till material. In general, finer-grained materials (silt and clay) were observed to increase in quantity with depth, with occasional zones of more permeable, sandy material. Drilling refusal was encountered at depths ranging from 16 feet to 26.5 feet, suggestive of underlying bedrock.

Fill material of variable thickness (0 to 8.5 feet) was noted to be present in several of the borings and test pits. Fill material observed in the north central-area of the site (borings STP-SB-01, STP-SB-02 and STP-SB-07) and southeast area (STP-SB-08) contained small amounts of ash, coal, brick, and/or slag, but no observable glass. In the northeast corner of the site at test pit STP-TP-01, abundant colored ash, brick, ceramics, gravel, and historical glass material were observed. One large piece of glass cullet was observed and archived, however, due to the negligible presence of glass cullet at this location, the fill material observed is generally not indicative of ABG. Glass was not observed at any of the other sampling locations besides STP-TP-01.

A Community Air Monitoring Plan (CAMP) was implemented for real-time monitoring of VOCs and particulates (i.e., dust) at the upwind and downwind perimeter of each designated work area during intrusive activities. There were no exceedances for VOCs or particulates.

3.3.1 Surface Soil

Sampling

Eight surface soil samples (denoted STP-SS-01 through STP-SS-08) were collected from Stewart Park on November 10, 2020 as shown on Figure 2. Surface soil sample locations at were placed based on areas of potential disturbance, as seen in historical aerial photographs and areas of the park which are likely to be most occupied (e.g., playground areas). Soil samples were obtained from the top two inches of soil using a stainless-steel trowel and mixing bowel which was decontaminated between sampling locations. Decontamination was completed by using Alconox® mixed with deionized water, scrubbing with a brush, followed by a final deionized water rinse.

A discrete sample was collected from each location for volatile organic compounds (VOCs) via USEPA Method 8260C using TerraCore® samplers. For the remainder of the analysis, soil was homogenized in a stainless-steel bowl and placed into appropriate laboratory-provided containers and was submitted to the laboratory for analysis as shown in Table 1. ABG material was not encountered in the surface soil samples collected. Soil descriptions and observations were recorded on a field log which are provided in Appendix B.

Quality assurance/quality control (QA/QC) samples were collected during surface soil sampling for the above or select parameters at a rate of one set of QA/QC samples for every 20 regular samples collected.

Results

Surface soil sample results were compared against 6 NYCRR Part 375 soil cleanup objectives (SCOs) for unrestricted and commercial use, based on potential exposure to passive recreational users of the site. In addition, soil sample results for PFAS were compared against the unrestricted use and commercial use guidance values presented in NYSDEC PFAS Guidance (NYSDEC, 2021), Results for toxicity characteristic leaching procedure (TCLP) metals analyses were compared against the applicable Resource Conservation and Recovery Act (RCRA) regulatory limits. Soil results are presented in Table 2 and shown on Figure 3.

Metals concentrations were either non detect (ND or below unrestricted SCOs in the samples collected. TCLP metals were either ND or were below the RCRA regulatory limits in the surface soil samples.

Benzo(a)pyrene was detected at a concentration of 1,000 micrograms per kilogram (ug/kg) in the sample collected from STP-SS-04 which is also the commercial SCO for that compound. Indeno(1,2,3-c,d)pyrene was detected at a concentration of 540 ug/kg in the sample collected from STP-SS-04, which marginally exceeds the unrestricted-use SCO value of 500 ug/kg. Detections of other SVOC compounds were also noted in samples but at concentrations below the unrestricted SCOs.

The pesticide dichlorodiphenyltrichloroethane (DDT) was detected in one sample at a concentration of 9.4 ug/kg in sample STP-SS-08, which exceeds the unrestricted-use SCO of 3.3 ug/kg. No other pesticides were detected.

Perfluorooctanesulfonic acid (PFOS), a PFAS constituent, was detected at a concentration of 3.3 µg/kg in sample STP-SS-08, which exceeds the NYSDEC unrestricted guidance value of 0.88 mg/kg. PFOS was also detected in each of the remaining surface soil samples, but at concentrations below the NYSDEC unrestricted guidance value. Other PFAS constituents were also present in many of the surface soil samples, however, soil guidance values for these constituents are not listed in the current NYSDEC PFAS Guidance.

Concentrations of the VOC tetrachloroethylene (PCE) were present in each of the surface soil samples at concentrations well below the unrestricted use SCOs. Herbicides, PCBs, and oil and grease (TPH) were not detected in the surface soil samples collected.

3.3.2 Subsurface Soil

Sampling

Eight soil borings (denoted STP-SB-01 through STP-SB-08 as shown on Figure 2) were completed at Stewart Park on October 27, 2020 through October 30, 2020.

Soil borings were advanced using direct push techniques (i.e., MacroCore®). A split spoon was used in conjunction with the MacroCore© sampler at all locations in the 0-2 foot interval to obtain additional sample volume needed for soil sample analysis. Soil borings were advanced to a depths ranging between 15 feet to 26.5 feet below ground surface (bgs), with select boring locations advanced deeper than the target depth of 16 feet to further evaluate for the presence of groundwater conditions for monitoring well placement. Soil boring locations STP-SB-01 through STP-SB-04 were the proposed locations of monitoring wells, however, as further discussed in Section 3.4.1, only two monitoring wells were installed.

Retrieved samples were visually examined for physical characteristics and described using the Unified Soil Classification System (USCS). The samples were screened with a photoionization detector (PID) and any olfactory characteristics were noted. Headspace readings were recorded from soil retrieved. Lithology and field observations were recorded on a soil boring log which are included in Appendix C. Although small amounts of ash, coal, brick, and/or slag were observed in the top several feet of borings STP-SB-01, STP-SB-02, STP-SB-07, and STP-SB-08, glass material was not observed.

A minimum of four soil samples were obtained from each soil boring location as shown in Table 1. A sample was collected from the 0-0.5 foot, and 0.5-1.0 foot, and 1.0-2.0 foot intervals for each of the soil borings while the remaining samples were collected based on field observations such as presence of suspect fill material, elevated PID readings, staining, odors, and/or bottom of the boring. For PFAS

analysis, soil was homogenized using stainless-steel spoons and bowls. All remaining analysis were homogenized into dedicated/disposable zip lock bags, with the exception of VOCs which were collected as a discrete grab sample using TerraCore® samplers. All sampling tools were decontaminated in-between sample intervals/locations using Alconox® mixed with laboratory-provided deionized water, scrubbed with a brush, followed by a final rinse with deionized water. The soil was then placed into appropriate laboratory-provided containers and submitted for analysis as shown in Table 1.

QA/QC samples were collected during sampling for parameters listed on Table 1 at a rate of 1 QA/QC sample per 20 regular samples collected.

Results

The results of detected compounds are summarized in Table 3, and exceedances are presented on Figure 3. Soil sample results were compared against 6 NYCRR Part 375 SCOs for unrestricted and commercial use, based on potential exposure to passive recreational users of the site. In addition, soil sample results for PFAS were compared against the unrestricted use and commercial use guidance values presented in NYSDEC PFAS Guidance (NYSDEC, 2021), Results for TCLP metals analyses were compared against the applicable RCRA regulatory limits.

As previous discussed, small amounts of ash, coal, brick, and/or slag were observed in the top several feet of borings STP-SB-01, STP-SB-02, STP-SB-07, and STP-SB-08, however, glass material was not observed, and therefore, archive samples were not collected from these soil borings.

Metals were not detected above the commercial SCOs in the soil boring samples collected. Arsenic exceeded its unrestricted SCO of 13 mg/kg at STP-SB-05, lead exceeded its unrestricted SCO of 63 mg/kg at STP-SB-01 and STP-SB-07, manganese exceeded its unrestricted SCO of 1,600 mg/kg at STP-SB-05, and total chromium exceeded its unrestricted SCO of 30 mg/kg at STP-SB-08. Other metals were detected in samples collected but concentrations were below the unrestricted SCOs. TCLP metals concentrations were below the RCRA limits in the soil boring samples.

SVOCs were either not detected or below unrestricted SCOs with the exception of five compounds. Benzo(s)pyrene was detected above its commercial SCO of 1,000 ug/kg at locations STP-SB-02, STP-SB-03, and STP-SB-07 with concentrations ranging from 1,000 ug/kg to 2,000 ug/kg.

Benzo(a)anthracene was detected slightly above its unrestricted SCO of 1,000 ug/kg at STP-SB-03. Benzo(b)fluoranthene was detected above the unrestricted SCO of 1,000 ug/kg in samples collected from STP-SB-02 and STP-SB-03. Chrysene was detected above the unrestricted SCO of 1,000 ug/kg at STP-SB-03. Indeno(1,2,3-c,d)pyrene was detected above its unrestricted SCO of 500 ug/kg in samples collected from STP-SB-01, STP-SB-02, STP-SB-03, STP-SB-07, and STP-SB-08.

PFOS was detected in one sample but the concentration was below its unrestricted guidance value of 0.88 mg/kg., PFOA was detected in two samples, each at concentrations below the unrestricted NYSDEC guidance values. Other PFAS compounds were also detected, however, soil guidance values for these constituents are not listed in the current NYSDEC PFAS Guidance.

The pesticide DDT was detected at a concentration of 5.2 ug/kg in sample STP-SB-01 which exceeds the unrestricted-use SCO of 3.3 ug/kg. All other pesticides were not detected.

Five VOCs were detected in samples submitted for analysis., including acetone, methyl ethyl ketone, PCE, and toluene, but at concentration below the unrestricted SCOs. A single, low-level detection of methylcyclohexane was present in a sample collected from of STP-SB-, however, no SCO value currently exists for this compound in 6 NYCRR Part 375.

TPH concentrations ranged from ND to 607 mg/kg. No SCO value currently exists for TPH in 6 NYCRR Part 375. Herbicides and PCBs were not detected in the soil boring samples collected.

3.3.3 Test Pit Soil

Sampling

Four total test pits (denoted STP-TP-01 through STP-TP-04) were excavated at Stewart Park on October 27, 2020 through October 28, 2020 as shown on Figure 2. Test pits were completed at locations following reconnaissance and discussions with NYSDEC, and primarily in areas where potential disturbance was noted in historical aerial photographs. A min-excavator was used to advance test pits to depths ranging from six feet to eight feet bgs. Excavated test pit soils were temporarily staged on plastic poly sheeting adjacent to each test pit. Test pits soils were visually classified for soil type, grain size, texture, and moisture content using the USCS. Visible evidence of impacts were also described if they were observed, and samples were screened for the presence of VOCs using a PID. Observations were recorded on a field test pit log which are included in Appendix D. Upon completion of the test pit excavations, soils were backfilled into the excavation in the order in which they were removed.

Historical fill material was observed in location MCP-TP-01 at a depth of 0.8 to 4 feet, however, as previously discussed, the majority of glass fragments appeared to be historical glass fragments and not glass cullet with the exception of one large piece which was archived. Elevated PID readings were noted in MCP-TP-01 between 0 – 1 foot (4.1 parts per million [ppm]) and MCP-TP-02 between 4 – 7 feet (maximum reading of 185 ppm).

Two soil samples were obtained from each test pit location. For STP-TP-01, two samples were collected from each two-foot interval of the historical fill material (observed from 0.5 – 4.0 feet). For STP-TP-02, one soil sample was obtained from the interval with the highest observed PID reading, and the second sample was obtained from the bottom of the test pit. For STP-03 and STP-TP-04, one soil sample was obtained from a shallower soil interval and the second soil sample was obtained at or near the bottom of each test pit.

As shown in Table 1, VOCs were collected from one sample from each test pit location. VOCs were sampled using a discrete TerraCore® sampler and placed into the appropriate sample containers. The remainder of the analysis were homogenized using a stainless-steel bowl and spoon which was decontaminated in-between sample intervals using the same methods listed above in Section 3.3.1. Once homogenized, each sample was placed into appropriate laboratory-provided containers and was submitted for analysis as shown in Table 1.

QA/QC samples were collected during test pit soil sampling for parameters listed in Table 1 at a rate of 1 QA/QC sample set per 20 regular samples.

Results

Soil sample results were compared against 6 NYCRR Part 375 SCOs for unrestricted and commercial use, based on potential exposure to passive recreational users of the site. In addition, soil sample results for PFAS were compared against the unrestricted use and commercial use guidance values presented in NYSDEC PFAS Guidance (NYSDEC, 2021), Results for TCLP metals analyses were compared against the applicable RCRA regulatory limits. The results of detected compounds are summarized in and exceedance are presented on Figure 3.

No metals exceeded the commercial SCOs in the samples collected. Copper, lead, mercury, and zinc were detected above their unrestricted SCOs of 50 mg/kg, 63 mg/kg, 0.18 mg/kg, and 109 mg/kg, respectively. Other metals were detected in test pit soil samples but at concentrations below the unrestricted SCOs. TCLP metals concentrations were either ND or below the RCRA limits in the test pit soil samples.

Five SVOCs were detected above either the unrestricted or commercial SCOs for their respective compounds. Benzo(a)pyrene was detected above the commercial SCO of 1,000 ug/kg at a concentration of 1,500 ug/kg. Benzo(a)anthracene, benzo(b)fluoranthene, chrysene, dibenz(a,h)anthracene and indeno(1,2,3-c,d)pyrene were all above their respective unrestricted SCOs. Other SVOCs were detected in samples collected but concentrations were below the unrestricted use criteria.

PFOS and PFOA were detected in sample STP-TP-01 (0.8 – 1.2 ft), and PFOA was detected in two of the other test pit soil samples analyzed, but at concentrations below both the commercial and unrestricted NYSDEC guidance values for these compounds. Perfluoroheptanoic acid (PFHpA) was also detected in sample STP-TP-01 (0.8 – 1.2 ft), however, a soil guidance value for this constituent is not listed in the current NYSDEC PFAS Guidance.

Three pesticides exceeded the unrestricted SCOs in sample STP-TP-01 (0.8 – 1.2 ft), P,P'-DDD, P,P'-DDE, and P,P'-DDT. Pesticides were not detected in the remaining test pit soil samples. The PCB Aroclor 1260 was detected at a concentration of 49 ug/kg in sample STP-TP-01 (0.8 – 1.2 ft). This concentration is below the unrestricted use SCO of 100 ug/kg. PCBs were not detected in the remaining samples submitted for analysis.

TPH was detected in sample STP-TP-01 (0.8 – 1.2 ft) at a concentration of 1,240 mg/kg. No SCO value currently exists for TPH in 6 NYCRR Part 375. Herbicides and VOCs were not detected in the samples collected.

3.3.4 Archive Sampling

Waste glass was encountered at one location (STP-TP-01) at Stewart Park. Archive sample log for this sample is provided in Appendix E.

3.4 Groundwater Investigation

3.4.1 Groundwater Monitoring Well Installation and Development

A groundwater investigation was completed to characterize groundwater at the site and to determine if quality has potentially been affected by the presence of ABG material at the site. The Workplan

included the installation of four monitoring wells to assess groundwater quality. STP-MW-01 and STP-MW-02 were installed at soil boring locations STP-SB-02 and STP-SB-04 where the water table was observed at depths of 13.5 feet and 7.5 feet bgs, respectively. Soil borings STP-SB-01 and STP-SB-03, which were the other soil boring locations identified in the workplan for monitoring well installation, were advanced to refusal depths of 26.5 feet and 19.5 feet respectively (presumably the bedrock interface), but groundwater was not encountered at either location. No monitoring wells were installed at these locations. Water was noted to be present in borings STP-SB-05, STP-SB-07, and STP-SB-08, however, per discussions between Parsons and NYSDEC, it was determined not to install monitoring wells from locations other than those originally planned (STP-SB-01 through STP-SB-04). Although water was noted to be present in STP-SB-05 and STP-SB-08, the primary lithology in the subsurface at these locations was silt, and therefore, there were concerns of the potential for these locations to produce sufficient water should monitoring wells be installed. Although STP-SB-07 contained saturated sandy material at depth similar to STP-SB-02, well MW-01 was already installed within close proximity, and therefore, would provide redundant data. STP-MW-01 and STP-MW-02 were drilled via hollow-stem auger to 18.5 feet bgs and 16 feet bgs, respectively. Each well was constructed using 2-inch polyvinyl chloride (PVC) casing with a 10-foot-long 10-slot screen set at a screened interval resting at the bottom drilling depth of each well. The annulus around the outside of the screen was backfilled with sand to two feet above the screen, followed by a bentonite seal above the sand pack. After hydration of the bentonite seal, grout was placed above it, and each well was completed with a flush-mount protective cover. Well construction details can be found in Appendix C.

Following installation, each well was developed to remove material which may have settled in and around the well screen. Development was conducted until either a turbidity of less than 50 Nephelometric Turbidity Units (NTU) was achieved or when at least 10 well volumes was removed from the well. Development water was containerized using drums and was characterized for disposal. Well development logs are included in Appendix F.

3.4.2 Groundwater Sampling

Following well installation and development, groundwater sampling was conducted at STP-MW-01 and STP-MW-02 on November 25, 2020 and November 30, 2020, respectively, using low-flow sampling techniques. Emergent contaminant-specific equipment, materials, and procedures were utilized in accordance with the FSP and QAPP. Groundwater samples were analyzed for parameters as shown in Table 1.

Each monitoring well was purged until water quality parameters (temperature, conductivity, pH, dissolved oxygen, oxidation-reduction potential (ORP), and turbidity) stabilized within the thresholds prescribed in the FSP to ensure collection of a representative groundwater sample. Water quality parameters were recorded every five minutes and immediately prior to sample collection. Water quality parameter measurements and observations recorded during sampling are documented in the groundwater sampling records provided in Appendix F.

QA/QC samples were collected as part of the effort. One field duplicate and one matrix spike/matrix spike duplicate pair, were analyzed for the full parameter set as indicated in Table 1. One equipment blank was analyzed on each day of sampling, including the full set of field parameters (November 25, 2020) and PFAS only (November 30, 2020). One field blank was collected for each

sampling day and analyzed for PFAS, and one trip blank was collected for each sampling day and analyzed for VOCs.

3.4.3 Groundwater Sampling Results

Groundwater analytical results from STP-MW-01 and STP-MW-02 are summarized in Table 5. The results are compared against applicable regulatory groundwater quality standards and maximum contaminant levels. Since only two monitoring wells were installed at Stewart Park, it is assumed that groundwater generally flows to the south, consistent with topography.

Antimony was detected at a concentration of 4.9 micrograms per liter (µg/L) in STP-MW-01. This result is slightly above the Technical and Operational Guidance Series (TOGS) 1.1.1 Class GA Groundwater Quality Standards and Guidance Values (SGVs) of 3.0 µg/L for that metal.

The groundwater sample collected from STP-MW-02 showed four inorganic compounds in exceedance of their Class GA SVGs. Aluminum was detected at a concentration of 281 µg/L above the SVG of 100 µg/L. Iron was detected at 339 µg/L L above the SVG of 300 µg/L. Mercury was detected at 1.9 µg/L above its SVG of 0.7 µg/L. Sodium was detected at 32,700 µg/L above its SVG of 20,000 µg/L. Other metals were detected in samples submitted but results were below Class GA SVGs.

No VOCs or SVOCs were detected in samples collected from STP-MW-01. The SVOC 1,4-dioxane was detected at a concentration of 0.041 µg/L In STP-MW-02, which is below the 10 NYCRR subpart 5-1 MCL of 1 µg/L. The VOC chloroform was detected at a concentration of 1.5 µg/L in well STP-MW-02, which is below the Class GA SVG of 7 µg/L.

PFOS and PFOA were detected in the sample collected from STP-MW-02 but results were below the NYSDEC PFAS guidance and 10 NYCRR subpart 5-1 maximum concentration level of 10 ng/L. Other PFAS constituents were also present in STP-MW-02, and perfluoroheptanoic acid (PFHpA) was present in well MW-01 at concentrations below the NYSDEC Guideline of 100 ng/L.

Pesticides, PCBs, herbicides, and TPH were not detected in the groundwater samples collected.

3.5 Site Survey

After the completion of site characterization field activities, a New York State-licensed land surveyor completed a site topographical survey. The site survey included collecting as-built coordinates and elevations for newly installed groundwater monitoring wells (including top of inner casing elevations), soil borings, surface soil samples, and test pits. Horizontal survey data are based on the North American Datum (NAD) 83 New York State Plane West coordinate system (in feet). Elevations are based on the North American Vertical Datum (NAVD) 88. Site survey information from the 2020 field activities is included in Appendix G.

3.6 Investigation-Derived Waste Management

Investigation-derived waste (IDW), including excess soils, decontamination rinsates, well development water, purge water, personal protective equipment, and disposable sampling equipment were placed

in DOT-approved 55-gallon 17-H type drums. The IDW was evaluated as nonhazardous based on characterization sample results and will be disposed of in accordance with applicable NYSDEC regulations.

3.7 Data Validation and Reporting

Data validation was performed in accordance with USEPA Region 2 standard operating procedures for organic and inorganic data review (USEPA 1999 and 2010) and Parsons' NYSDEC Program Generic QAPP (Parsons 2020d). These validation guidelines are regional modifications to the National Functional Guidelines for organic and inorganic data review. The quality of the data has been assessed and is documented in the Data Usability Summary Report (DUSR) (Appendix H). Validated data have been submitted for loading into the NYSDEC database.

4.0 CONCLUSIONS

Based on the results of the Site Characterization activities documented in this report, conclusions for the investigation efforts at Stewart Park are as follows:

- Small amounts of historical fill material was noted to be present in the form of charcoal, ash, and brick at variable depths ranging from 0.0 to 5.0 feet bgs in subsurface soils at select locations.
- Historical fill material containing abundant ash, historical glass, gravel, ceramics, and brick was only observed in test pit location STP-TP-01 from 0 to 4.0 feet bgs. Although one piece of glass cullet was observed and archived, it's anomalous presence at this location was not suggestive of ABG.
- Metals were not detected above the commercial SCOs in surface, subsurface, and test pit soils samples collected. Arsenic, lead, manganese, and total chromium were detected above unrestricted SCOs in subsurface soils. Copper, lead, mercury, nickel, and zinc were detected above unrestricted SCOs in test pit soils at varying depths.
- There were no TCLP Metals exceedances in samples collected.
- SVOCs including benzo(a)anthracene, benzo(b)fluoranthene, chrysene, and indeno(1,2,3-c,d)pyrene were detected above the unrestricted SCOs in the top 1 foot of soil samples collected.
- PFAS compounds were present but not detected above current NYSDEC Guidance values in any soil or water samples collected.
- Due to lack of groundwater present in other proposed well locations, only two monitoring wells were installed. Exceedances in Class GA SVGs in groundwater were limited to inorganic compounds including aluminum in STP-MW-01 and antimony, iron, mercury, and sodium in STP-MW-02.
- Pesticides are present in soil above unrestricted use SCOs within the top two feet and primarily at locations in the northwest and southeast corners of the property.

5.0 REFERENCES

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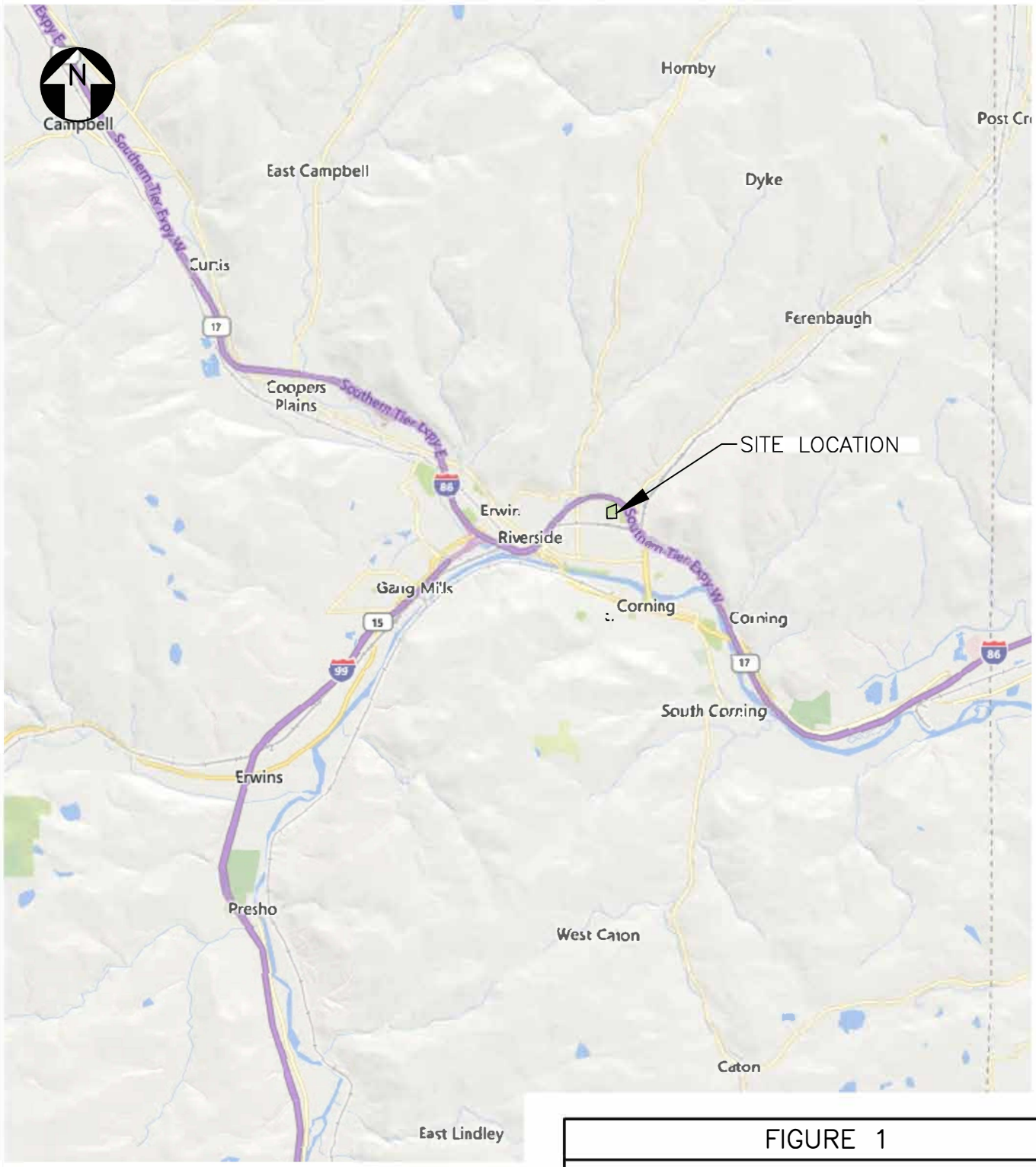
Parsons, 2020a. *Site Characterization Work Plan for Stewart Park – Corning, Steuben County, NY.* October 2020.

Parsons, 2020b. *Generic Field Activities Plan (FAP).* Prepared for the New York State Department of Environmental Conservation, Albany, NY. April 2020.

Parsons, 2020c. Generic Project Safety, Health, and Environmental Plan (PSHEP). Prepared for the New York State Department of Environmental Conservation, Albany, NY. April 2020.

Parsons, 2020d. *Generic Quality Assurance Project Plan (QAPP).* Prepared for the New York State Department of Environmental Conservation, Albany, NY. August 2020.

FIGURES





10,000 5,000 0 10,000

SCALE: 1"=10,000'

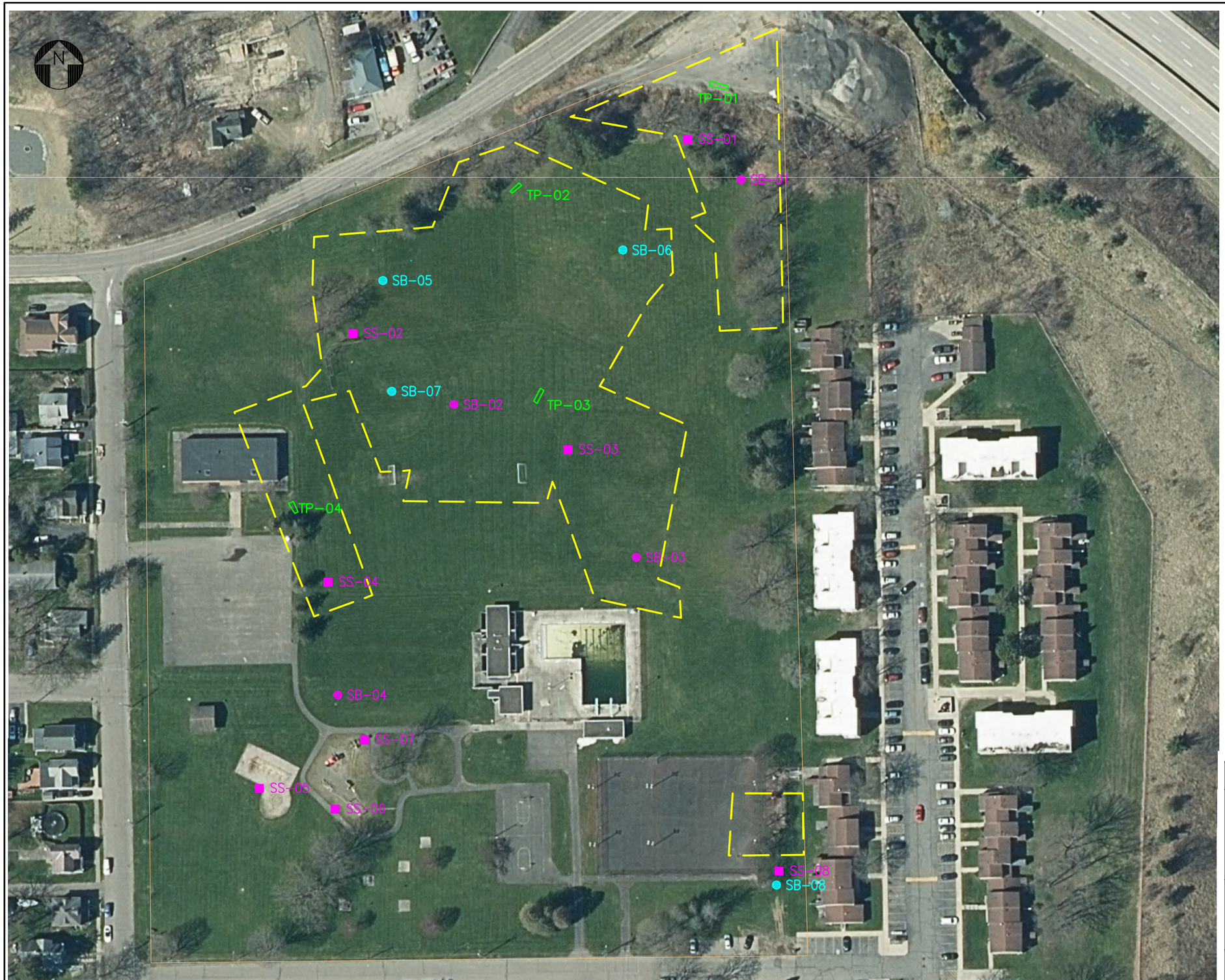
FIGURE 1

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

STEWART PARK SITE CHARACTERIZATION

SITE LOCATION MAP

PARSONS
301 PLAINFIELD ROAD, SUITE 350, SYRACUSE, NY 13212 * 315-451-9560



LEGEND

- APPROXIMATE STEWART PARK BOUNDARY
- BORING LOCATIONS
- BORING & MONITORING WELL LOCATION
- SURFACE SOIL SAMPLING LOCATIONS
- TEST PIT LOCATIONS
- HISTORIC SUSPECT DISTURBANCE OUTLINE

100 50 0 100 200

SCALE: 1"=100'

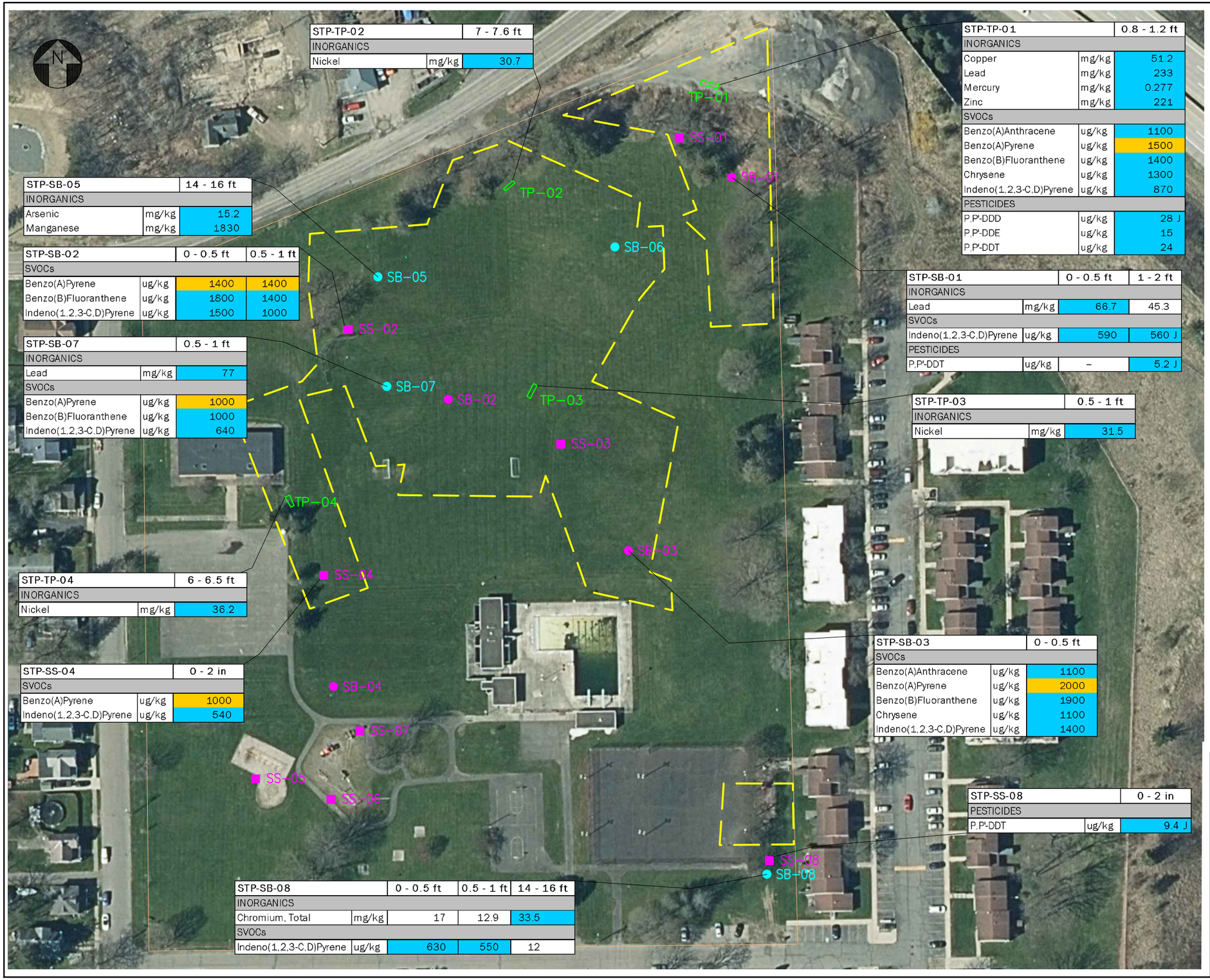
FIGURE 2

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

STEWART PARK SITE CHARACTERIZATION

SITE PLAN

PARSONS
301 PLAINFIELD ROAD, SUITE 350, SYRACUSE, NY 13212 * 315-451-9560



STP-TP-02	7 - 7.6 ft
INORGANICS	
Nickel mg/kg	30.7

STP-TP-01	0.8 - 1.2 ft
INORGANICS	
Copper mg/kg	51.2
Lead mg/kg	233
Mercury mg/kg	0.277
Zinc mg/kg	221
SVOCs	
Benzo(A)Anthracene ug/kg	1100
Benzo(A)Pyrene ug/kg	1500
Benzo(B)Fluoranthene ug/kg	1400
Chrysene ug/kg	1300
Indeno(1,2,3-C,D)Pyrene ug/kg	870
PESTICIDES	
P,P'-DDD ug/kg	28 J
P,P'-DDE ug/kg	15
P,P'-DDT ug/kg	24

STP-SB-05	14 - 16 ft
INORGANICS	
Arsenic mg/kg	15.2
Manganese mg/kg	1830

STP-SB-02	0 - 0.5 ft	0.5 - 1 ft
SVOCs		
Benzo(A)Pyrene ug/kg	1400	1400
Benzo(B)Fluoranthene ug/kg	1800	1400
Indeno(1,2,3-C,D)Pyrene ug/kg	1500	1000

STP-SB-01	0 - 0.5 ft	1 - 2 ft
INORGANICS		
Lead mg/kg	66.7	45.3
SVOCs		
Indeno(1,2,3-C,D)Pyrene ug/kg	590	560 J
PESTICIDES		
P,P'-DDT ug/kg	–	5.2 J

STP-SB-07	0.5 - 1 ft
INORGANICS	
Lead mg/kg	77
SVOCs	
Benzo(A)Pyrene ug/kg	1000
Benzo(B)Fluoranthene ug/kg	1000
Indeno(1,2,3-C,D)Pyrene ug/kg	640

STP-TP-03	0.5 - 1 ft
INORGANICS	
Nickel mg/kg	31.5

STP-TP-04	6 - 6.5 ft
INORGANICS	
Nickel mg/kg	36.2

STP-SS-04	0 - 2 in
SVOCs	
Benzo(A)Pyrene ug/kg	1000
Indeno(1,2,3-C,D)Pyrene ug/kg	540

STP-SB-03	0 - 0.5 ft
SVOCs	
Benzo(A)Anthracene ug/kg	1100
Benzo(A)Pyrene ug/kg	2000
Benzo(B)Fluoranthene ug/kg	1900
Chrysene ug/kg	1100
Indeno(1,2,3-C,D)Pyrene ug/kg	1400

STP-SS-08	0 - 2 in
PESTICIDES	
P,P'-DDT ug/kg	9.4 J

STP-SB-08	0 - 0.5 ft	0.5 - 1 ft	14 - 16 ft
INORGANICS			
Chromium, Total mg/kg	17	12.9	33.5
SVOCs			
Indeno(1,2,3-C,D)Pyrene ug/kg	630	550	12

LEGEND

- APPROXIMATE STEWART PARK BOUNDARY
- BORING LOCATIONS
- BORING & MONITORING WELL LOCATION
- SURFACE SOIL SAMPLING LOCATIONS
- TEST PIT LOCATIONS
- HISTORIC SUSPECT DISTURBANCE OUTLINE

Notes:
mg/kg = miligram per kilogram
ug/kg = micrograms per kilogram
ft=feet in=inch
- Value exceeds the Unrestricted SCOs from 6 NYCRR Part 375 Environmental Remediation Programs, Subpart 375-6, December, 2006.
- Value exceeds the Commercial SCOs from 6 NYCRR Part 375 Environmental Remediation Programs, Subpart 375-6, December, 2006.

100 50 0 100 200

SCALE: 1"=100'

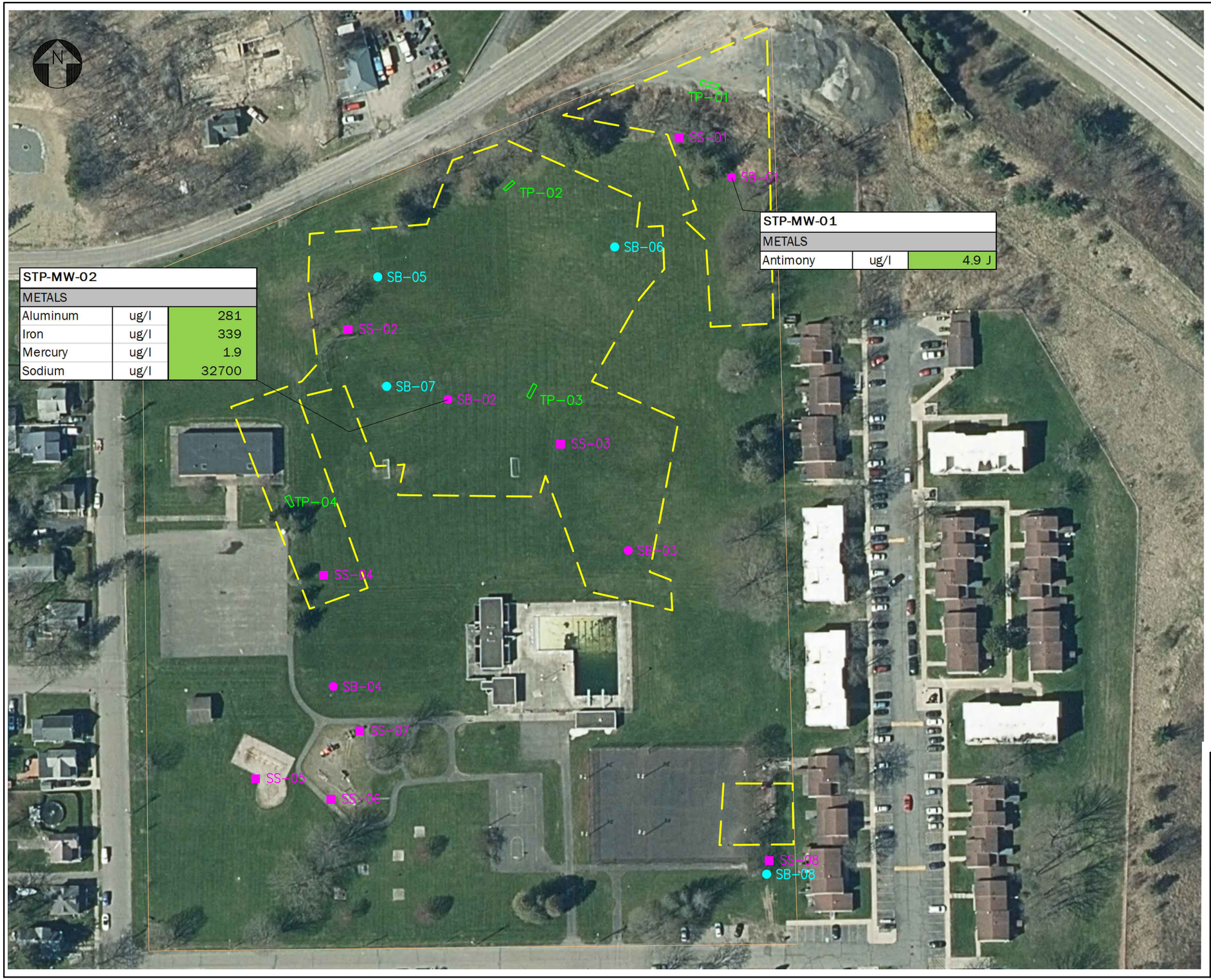
FIGURE 3

NEW YORK STATE OF OPPORTUNITY Department of Environmental Conservation

STEWART PARK SITE CHARACTERIZATION

SOIL SAMPLE EXCEEDANCES

PARSONS
301 PLAINFIELD ROAD, SUITE 350, SYRACUSE, NY 13212 * 315-451-9560



STP-MW-02		
METALS		
Aluminum	ug/l	281
Iron	ug/l	339
Mercury	ug/l	1.9
Sodium	ug/l	32700

STP-MW-01		
METALS		
Antimony	ug/l	4.9 J

LEGEND

- APPROXIMATE STEWART PARK BOUNDARY
- BORING LOCATIONS
- BORING & MONITORING WELL LOCATION
- SURFACE SOIL SAMPLING LOCATIONS
- TEST PIT LOCATIONS
- HISTORIC SUSPECT DISTURBANCE OUTLINE

Notes:	
[1]NYSDEC Groundwater Standards and Guidance Values (SGVs) obtained from the Division of Water TOGS 1.1.1. June 1998	
ug/l= micrograms per lite	
J = estimated at the value given	
- Value exceeds Class GA groundwater quality standard.	

100 50 0 100 200

SCALE: 1"=100'

FIGURE 4

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

STEWART PARK SITE CHARACTERIZATION

GROUNDWATER SAMPLE EXCEEDANCES

PARSONS
301 PLAINFIELD ROAD, SUITE 350, SYRACUSE, NY 13212 * 315-451-9560

TABLES

Table 1
Stewart Park
Site Characterization Report
Sampling Summary and Field Observations

Location or Sample ID	Total Depth	Field Observations/ Comments	Glass Archive Sample(s) Collected?	Analytical Sample Depth	Matrix	Analytical Sample Type	Sampling Date	Metals + Mercury, Boron	TCLP Metals	Cyanide	Cr 6+ and Cr3+	SVOCs + 1,4-Dioxane	VOCs	Pesticides	Herbicides	PCBs	TPH	PFAS	Solid Waste RCRA Parameters	Liquid Waste RCRA Parameters
Soil Boring																				
STP-SB-01	26.5 feet	Small amounts of ash, charcoal, and/or brick noted from 0 - 8.5 ft. No glass observed.	No	0.0-0.5 ft	Soil	Normal	10/28/2020	X	X			X								
				0.5-1.0 ft	Soil	Normal		X	X			X								
				1.0-2.0 ft	Soil	Normal		X	X	X	X	X	X	X	X	X	X	X		
				1.0-2.0 ft	Soil	Field Duplicate		X	X	X	X	X	X	X	X	X	X	X		
				5.0-7.0 ft	Soil	Normal		X	X			X								
				8.0-10.0 ft	Soil	Normal		X	X			X								
				14.0-16.0 ft	Soil	Normal		X	X			X								
STP-SB-02	25 feet	Small amounts of ash, slag, and/or brick noted from 0 - 3 ft. Groundwater observed at ~13.5 ft; monitoring well MW-01 installed.	No	0.0-0.5 ft	Soil	Normal	10/27/2020	X	X			X								
				0.5-1.0 ft	Soil	Normal		X	X			X								
				1.0-2.0 ft	Soil	Normal		X	X	X	X	X	X	X	X	X	X	X		
				5.0-7.0 ft	Soil	Normal		X	X			X								
				11.5-13.5 ft	Soil	Normal		X	X			X								
				15.0-17.0 ft	Soil	Normal		X	X			X								
STP-SB-03	19.5 feet		No	0.0-0.5 ft	Soil	Normal	10/29/2020	X	X			X								
				0.5-1.0 ft	Soil	Normal		X	X			X								
				1.0-2.0 ft	Soil	Normal		X	X	X	X	X	X	X	X	X	X	X		
				5.0-7.0 ft	Soil	Normal		X	X			X								
				9.0-11.0 ft	Soil	Normal		X	X			X								
				13.0-15.0 ft	Soil	Normal		X	X			X								
STP-SB-04	19.5 ft	Groundwater observed at ~7.5 ft; monitoring well MW-03 installed.	No	0.0-0.5 ft	Soil	Normal	10/29/2020	X	X			X								
				0.5-1.0 ft	Soil	Normal		X	X			X								
				1.0-2.0 ft	Soil	Normal		X	X	X	X	X	X	X	X	X	X	X		
				4.0-6.0 ft	Soil	Normal		X	X			X								
				9.0-11.0 ft	Soil	Normal		X	X			X								
				14.0-16.0 ft	Soil	Normal		X	X			X								
STP-SB-05	16 ft	Groundwater observed at ~13 ft.	No	0.0-0.5 ft	Soil	Normal	10/27/2020	X	X			X								
				0.5-1.0 ft	Soil	Normal		X	X			X								
				1.0-2.0 ft	Soil	Normal		X	X	X	X	X	X	X	X	X	X	X		
				6.0-8.0 ft	Soil	Normal		X	X			X								
				10.0-12.0 ft	Soil	Normal		X	X			X								
				14.0-16.0 ft	Soil	Normal		X	X			X								
STP-SB-06	17 ft		No	0.0-0.5 ft	Soil	Normal	10/28/2020	X	X			X								
				0.5-1.0 ft	Soil	Normal		X	X			X								
				1.0-2.0 ft	Soil	Normal		X	X	X	X	X	X	X	X	X	X	X		
				5.0-7.0 ft	Soil	Normal		X	X			X								
				12.0-14.0 ft	Soil	Normal		X	X			X								
				15.0-17.0 ft	Soil	Normal		X	X			X								
STP-SB-07	15 ft	Small amounts of ash, coal, brick, and slag with faint staining noted from 1.75 - 2.5 ft. Groundwater observed at ~11.5 ft	No	0.0-0.5 ft	Soil	Normal	10/28/2020	X	X			X								
				0.5-1.0 ft	Soil	Normal		X	X			X								
				1.0-2.0 ft	Soil	Normal		X	X	X	X	X	X	X	X	X	X	X		
				2.0-4.0 ft	Soil	Normal		X	X			X								
				2.0-4.0 ft	Soil	Field Duplicate		X	X			X								
				10.0-12.0 ft	Soil	Normal		X	X			X								
				13.0-15.0 ft	Soil	Normal		X	X			X								
STP-SB-08	18 ft	Small amounts of brick and ash material noted from 0.7 - 5 ft. Groundwater observed at ~7.5 ft.	No	0.0-0.5 ft	Soil	Normal	10/30/2020	X	X			X								
				0.5-1.0 ft	Soil	Normal		X	X			X								
				1.0-2.0 ft	Soil	Normal		X	X	X	X	X	X	X	X	X	X	X		
				5.5-7.5 ft	Soil	Normal		X	X			X								
				9.0-11.0 ft	Soil	Normal		X	X			X								
				14.0-16.0 ft	Soil	Normal		X	X			X								

PARSONS

Table 1
Stewart Park
Site Characterization Report
Sampling Summary and Field Observations

Location or Sample ID	Total Depth	Field Observations/ Comments	Glass Archive Sample(s) Collected?	Analytical Sample Depth	Matrix	Analytical Sample Type	Sampling Date	Metals + Mercury, Boron	TCLP Metals	Cyanide	Cr 6+ and Cr3+	SVOCs + 1,4-Dioxane	VOCs	Pesticides	Herbicides	PCBs	TPH	PFAS	Solid Waste RCRA Parameters	Liquid Waste RCRA Parameters
Surface Soil																				
STP-SS-01	2 in		No	0.0 - 2.0 in	Soil	Normal	11/10/2020	X	X	X	X	X	X	X	X	X	X	X		
STP-SS-02	2 in		No	0.0 - 2.0 in	Soil	Normal	11/10/2020	X	X	X	X	X	X	X	X	X	X	X		
						Field Duplicate	11/10/2020	X	X	X	X	X	X	X	X	X	X	X		
STP-SS-03	2 in		No	0.0 - 2.0 in	Soil	Normal	11/10/2020	X	X	X	X	X	X	X	X	X	X	X		
STP-SS-04	2 in		No	0.0 - 2.0 in	Soil	Normal	11/10/2020	X	X	X	X	X	X	X	X	X	X	X		
STP-SS-05	2 in		No	0.0 - 2.0 in	Soil	Normal	11/10/2020	X	X	X	X	X	X	X	X	X	X	X		
STP-SS-06	2 in		No	0.0 - 2.0 in	Soil	Normal	11/10/2020	X	X	X	X	X	X	X	X	X	X	X		
STP-SS-07	2 in		No	0.0 - 2.0 in	Soil	Normal	11/10/2020	X	X	X	X	X	X	X	X	X	X	X		
STP-SS-08	2 in		No	0.0 - 2.0 in	Soil	Normal	11/10/2020	X	X	X	X	X	X	X	X	X	X	X		
Test Pit Soil																				
STP-TP-01	6 ft	0.8 - 4 ft: Abundant historical fill material consisting of ash, gravel historical glass, ceramics, brick, and gravel. One piece of glass cullet observed. 0 - 1 ft: Elevated PID reading (4.1 ppm).	Yes	0.8 - 1.2 ft	Soil	Normal	10/27/2020	X	X	X	X	X	X	X	X	X	X	X		
				3.3 - 4.0 ft	Soil	Normal	10/27/2020	X	X			X								
STP-TP-02	7.6 ft	4 - 7 ft: Elevated PID readings (1.9 - 10.9 ppm). Repeat readings at 6 ft = 185 ppm / 52.5 ppm.	No	5.0 - 6.0 ft	Soil	Normal	10/27/2020	X	X	X	X	X	X	X	X	X	X	X		
				5.0 - 6.0 ft	Soil	Field Duplicate	10/27/2020	X	X			X								
				7.0 - 7.6 ft	Soil	Normal	10/27/2020	X	X			X								
STP-TP-03	8 ft		No	0.5 - 1.0 ft	Soil	Normal	10/28/2020	X	X	X	X	X	X	X	X	X	X	X		
				6.5 - 7.0 ft	Soil	Normal	10/28/2020	X	X			X								
STP-TP-04	7 ft		No	1.0 - 1.5 ft	Soil	Normal	10/28/2020	X	X			X								
				6.0 - 6.5 ft	Soil	Normal	10/28/2020	X	X	X	X	X	X	X	X	X	X	X		
Groundwater																				
STP-MW-01	18.5 ft	Monitoring well installed at boring STP-SB-02	--	--	Groundwater	Normal	11/25/2020	X				X	X	X	X	X	X	X		
					Groundwater	Field Duplicate	11/25/2020	X				X	X	X	X	X	X	X		
STP-MW-02	16 ft	Monitoring well installed at boring STP-SB-04	--	--	Groundwater	Normal	11/30/2020	X				X	X	X	X	X	X	X		
IDW																				
STP-IDW_LW-01	N/A	--	--	--	Aqueous	Normal	11/25/2020													X
STP-IDW_SW-01	N/A	--	--	--	Solid	Normal	11/25/2020												X	

ppm = parts per million

Table 2
Stewart Park
Site Characterization Report
Validated Surface Soil Data - Detected Compounds

Chemical Name	Unit	Part 375 Unrestricted SCOs[1]	Part 375 Commercial SCOs[1]	RCRA Regulatory Limits[2]	STP-SS-01 0 - 2 in STP-SS-01_0-2 N SO R2010721/722-009 11/10/2020	STP-SS-02 0 - 2 in STP-SS-02_0-2 N SO R2010721/722-006 11/10/2020	STP-SS-02 0 - 2 in STP-SS-02_0-2 DUP FD SO R2010721/722-007 11/10/2020	STP-SS-03 0 - 2 in STP-SS-03_0-2 N SO R2010721/722-008 11/10/2020	STP-SS-04 0 - 2 in STP-SS-04_0-2 N SO R2010721/722-001 11/10/2020	STP-SS-05 0 - 2 in STP-SS-05_0-2 N SO R2010721/722-002 11/10/2020	STP-SS-06 0 - 2 in STP-SS-06_0-2 N SO R2010721/722-003 11/10/2020	STP-SS-07 0 - 2 in STP-SS-07_0-2 N SO R2010721/722-004 11/10/2020	STP-SS-08 0 - 2 in STP-SS-08_0-2 N SO R2010721/722-005 11/10/2020
INORGANICS													
Aluminum	mg/kg				12300	8640	8540	11800	12200	9980	9710	4740	8480
Arsenic	mg/kg	13	16		8.6	7.7	7.8	8.2	8.1	7.5	6.3	4.9	6.8
Barium	mg/kg	350	400		133	92.3	89.8	117	137	116	58.3	43.7	94.9
Beryllium	mg/kg	7.2	590		0.545	0.518	0.52	0.494	0.547	0.6	0.379	0.226 J	0.383 J
Boron	mg/kg				17.9 J	11.8 J	11.6 J	12.8 J	14.6 J	13.2 J	12.8 J	7.9 J	14.5 J
Cadmium	mg/kg	2.5	9.3		0.355 J	ND	0.282 J	ND	0.297 J	ND	ND	ND	0.332 J
Calcium	mg/kg				3940	10700	13600	1980	2810	3140	23000	16000	16400
Chromium, Total	mg/kg	30	1500		15.2	11	11	13.7	14.5	12.6	12.2	7	10.8
Cobalt	mg/kg				9.1	12.2	11.8	8.1	9	10.2	7.5	4.8 J	6.1 J
Copper	mg/kg	50	270		26.9	17.5	17.3	18.6	20.9	17.4	25	14.4	29.2
Iron	mg/kg				24400	19300	19300	22400	23700	19900	24500	13000	17400
Lead	mg/kg	63	1000		39.1	22.5	21.2	26.9	32.3	28.6	8.7	7	24
Magnesium	mg/kg				3300	5180	6810	2860	3130	2880	4880	7010	7900
Manganese	mg/kg	1600	10000		487	722	716	469	483	548	331	326	520
Mercury	mg/kg	0.18	2.8		0.075 J	0.028 J	0.026 J	0.047	0.046	0.049	ND	ND	0.038 J
Nickel	mg/kg	30	310		20.4	22.4	21.8	18.5	19.8	20.2	18.8	10.3	14.8
Potassium	mg/kg				1650	1180	1120	1080	1240	1180	849	740	1190
Vanadium	mg/kg				19.9	13.4	13.2	18.3	19.3	14.9	14.3	9.7	13.9
Zinc	mg/kg	109	10000		88.9	92.8	92.6	69.3	78	85.8	63.4	46.7	81.8
Chromium III	mg/kg	30	1500		15.2	11	11	13.9	14.5	12.6	12.2	7	10.8
Cyanide	mg/kg	27	27		0.52	ND	ND	0.32	0.33	0.28 J	ND	ND	0.43
TCLP METALS													
Arsenic	mg/l			5	0.0088 J	0.0056 J	0.0057 J	0.0102 J	0.0097 J	0.0112 J	ND	0.0056 J	0.0081 J
Barium	mg/l			100	0.41 J	0.63 J	0.62 J	0.425 J	0.425 J	0.491 J	0.618 J	0.604 J	0.584 J
Cadmium	mg/l			1	0.0007 J	0.0011 J	0.0012 J	0.0004 J	0.0004 J	0.0008 J	0.0006 J	0.0013 J	0.0009 J
Chromium, Total	mg/l			5	0.0044 J	ND	ND	0.0092 J	0.0056 J	0.0056 J	ND	ND	0.0013 J
Lead	mg/l			0.2	0.01 J	0.0021 J	ND	0.0143 J	0.0079 J	0.01 J	ND	0.0063 J	ND
VOLATILE ORGANIC COMPOUNDS													
Tetrachloroethylene (PCE)	ug/kg	1300	150000		7 J	6.2	6.3	7.8	4.5 J	4.8 J	2.9 J	3.3 J	5.3 J
SEMI-VOLATILE ORGANIC COMPOUNDS													
2-Methylnaphthalene	ug/kg				75	8.6	5.4 J	6.8 J	180	11	ND	2.8 J	9
Acenaphthene	ug/kg	20000	500000		16	3.3 J	2 J	ND	23	ND	ND	ND	8.9 J
Acenaphthylene	ug/kg	100000	500000		320	40 J	16 J	43	670	40	6 J	7.4	94
Anthracene	ug/kg	100000	500000		170	22 J	8.9 J	16	320	19	ND	ND	51
Benzo(A)Anthracene	ug/kg	1000	5600		300	54 J	26 J	44	470	53	ND	ND	210
Benzo(A)Pyrene	ug/kg	1000	1000		550	79 J	40 J	90	1000	77	ND	4.1 J	370
Benzo(B)Fluoranthene	ug/kg	1000	5600		640	91 J	45 J	93	940	91	5.3 J	8	470
Benzo(G,H,I)Perylene	ug/kg	100000	500000		360	46 J	35 J	58	580	46	ND	ND	230
Benzo(K)Fluoranthene	ug/kg	800	56000		200	25 J	15 J	37	290	34	ND	4.4 J	180
Biphenyl (Diphenyl)	ug/kg				12 J	ND	ND	ND	28 J	ND	ND	ND	ND
Carbazole	ug/kg				31 J	ND	ND	ND	56	ND	ND	ND	23 J
Chrysene	ug/kg	1000	56000		350	58 J	32 J	46	490	63	ND	5.7 J	260
Dibenz(A,H)Anthracene	ug/kg	330	560		74	12 J	9.1 J	16	140	12	ND	ND	53
Dibenzofuran	ug/kg	7000	350000		24	ND	ND	ND	59	4.5 J	ND	ND	5.5 J
Fluoranthene	ug/kg	100000	500000		440	94 J	43 J	45	580	88	ND	8.4	370
Fluorene	ug/kg	30000	500000		36	5.7 J	ND	3 J	69	7.6 J	2.9 J	ND	10
Indeno(1,2,3-C,D)Pyrene	ug/kg	500	5600		330	44 J	31 J	61	540	33	ND	5 J	230
Naphthalene	ug/kg	12000	500000		140	16 J	8.9 J	13	420	19	3.5 J	4.1 J	22
Phenanthrene	ug/kg	100000	500000		190	48 J	21 J	18	270	40	ND	6.4 J	120
Pyrene	ug/kg	100000			480	88 J	43 J	47	640	78	4.2 J	5.9 J	300
PFAS													
N-Ethyl-N-((heptadecafluorooctyl)sulphonyl) glycine	ug/kg				ND	ND	ND	ND	ND	ND	ND	ND	0.46 J
Perfluorobutanoic Acid	ug/kg				0.59 J	ND	ND	ND	ND	ND	ND	ND	ND
Perfluorodecane Sulfonic Acid	ug/kg				ND	ND	ND	ND	ND	ND	ND	ND	1.7
Perfluorodecanoic acid (PFDA)	ug/kg				ND	ND	ND	ND	ND	ND	ND	ND	0.36 J
Perfluoroheptanoic acid (PFHpA)	ug/kg				ND	0.25 J	0.24 J	ND	0.26 J	ND	ND	ND	0.36 J
Perfluorohexanoic acid (PFHxA)	ug/kg				ND	ND	ND	ND	ND	ND	ND	ND	0.51 J
Perfluorooctanesulfonic acid (PFOS)	ug/kg	0.88[4]	440[4]		0.73 J	0.38 J	0.45 J	0.39 J	0.7 J	0.87 J	0.15 J	0.27 J	3.3
Perfluoropentanoic Acid (PFPeA)	ug/kg				ND	ND	ND	ND	ND	ND	ND	ND	0.45 J
PESTICIDES													
P,P'-DDT	ug/kg	3.3	47000		ND	ND	ND	ND	ND	ND	ND	ND	9.4 J
HERBICIDES (No Detections)													
PCBS (No Detections)													
TPH (No Detections)													

Notes:

[1]Soil Cleanup Objectives (SCOs) from 6 NYCRR Part 375 Environmental Remediation Programs Subpart 375-6, December 2006

[2]RCRA maximum concentration of contaminants for the toxicity characteristic from 40 CFR § 261.24

[3]Total chromium is compared against the NYCRR SCOs for trivalent (III) chromium

[4]PFAS Guidance Values obtained from NYSDEC Sampling, Analysis, and Assessment of PFAS, January 2021.

N = normal sample; FD = field duplicate; SO = soil

mg/kg = milligrams per kilogram; ug/kg = micrograms per kilogram

ND = not detected; UJ = Estimated and not detected at the value given; J = estimated at the value given

- Value exceeds the NYCRR Unrestricted Use SCOs

- Value exceeds the NYCRR Commercial Use SCOs

- Value exceeds RCRA regulatory limits

PARSONS

Table 3
Stewart Park
Site Characterization Report
Validated Subsurface Data - Detected Compounds

Chemical Name	Unit	Part 375 Unrestricted SCOs[1]	Part 375 Commercial SCOs[1]	RCRA Regulatory Limits[2]	STP-SB-01 0 - 0.5 ft STP-SB-01_0.0-0.5 N SO R2010183/184-007 10/28/2020	STP-SB-01 0.5 - 1 ft STP-SB-01_0.5-1.0 N SO R2010183/184-008 10/28/2020	STP-SB-01 1 - 2 ft STP-SB-01_1.0-2.0 N SO R2010183/184-009 10/28/2020	STP-SB-01 1 - 2 ft STP-SB-01_1.0-2.0 DUP FD SO R2010183/184-010 10/28/2020	STP-SB-01 5 - 7 ft STP-SB-01_5.0-7.0 N SO R2010183/184-011 10/28/2020	STP-SB-01 8 - 10 ft STP-SB-01_8.0-10 N SO R2010183/184-012 10/28/2020	STP-SB-01 14 - 16 ft STP-SB-01_14.0-16.0 N SO R2010183/184-013 10/28/2020	STP-SB-02 0 - 0.5 ft STP-SB-02_0.0-0.5 N SO R2010129/130-014 10/27/2020	STP-SB-02 0.5 - 1 ft STP-SB-02_0.5-1.0 N SO R2010129/130-015 10/27/2020	STP-SB-02 1 - 2 ft STP-SB-02_1.0-2.0 N SO R2010129/130-016 10/27/2020	STP-SB-02 5 - 7 ft STP-SB-02_5.0-7.0 N SO R2010129-021/130-017 10/27/2020	STP-SB-02 11.5 - 13.5 ft STP-SB-02_11.5-13.5 N SO R2010129/130-018 10/27/2020	STP-SB-02 15 - 17 ft STP-SB-02_15.0-17.0 N SO R2010129/130-019 10/27/2020	STP-SB-03 0 - 0.5 ft STP-SB-03_0.0-0.5 N SO R2010263/264-001 10/29/2020	STP-SB-03 0.5 - 1 ft STP-SB-03_0.5-1.0 N SO R2010263/264-002 10/29/2020
INORGANICS																			
Aluminum	mg/kg				11400	10900	9800	10100	12100	12700	10900	11700	12700	15700	11600	11400	12300	9940	12900
Arsenic	mg/kg	13	16		7.7	11	7.8	6.9	7.3	8.8	6.7	8.7	8.1	8.7	10.6	10	11.1	7	9.2
Barium	mg/kg	350	400		138	134	118	122	165	192	161	130	140	134	115	121	143	86.6	85
Beryllium	mg/kg	7.2	590		0.529	0.487	0.466	0.466	0.465	0.524	0.419	0.51	0.535	0.588	0.537	0.506	0.536	0.412	0.49
Boron	mg/kg				13.8 J	13 J	11.3 J	11.9 J	14.3 J	15.4 J	13.6 J	13.2 J	14.2 J	15.6 J	13.4 J	14.7 J	16 J	11.9 J	14.7 J
Cadmium	mg/kg	2.5	9.3		0.409 J	0.435 J	0.357 J	0.435 J	0.364 J	0.267 J	0.273 J	0.368 J	0.37 J	0.299 J	0.147 J	0.247 J	0.285 J	ND	0.292 J
Calcium	mg/kg				4020	22500	13700	15000	4650	1080	4350	2520	7410	2720	4770	519	1060	2560	1090
Chromium, Total	mg/kg	30	1500		14.4	13	11.7	12.4	18.1	16.1	15.9	14.1	15	18.9	15.3	14.6	17.5	11.9	16.6
Cobalt	mg/kg				8.5	8.3	6.9	7.8	9.5	10.5	9.3	8.8	9.2	10.3	9.8	10	10.3	7.4	10.3
Copper	mg/kg	50	270		24.5	25.5	24	23.7	27.5	31.2	27.9	20.9	21	22	24.3	25.9	28.1	15	17.7
Iron	mg/kg				23200	23900	20400	21300	26200	29900	26300	22400	25800	28900	26400	27800	30100	18600	27700
Lead	mg/kg	63	1000		66.7	62.4	45.3	42	21	14	22.1	33.9	25.8	19.2	14	13.5	13.6	21.3	12.5
Magnesium	mg/kg				3400	3590	5020	6560	4040	3920	3820	2940	4700	3830	3770	3500	3870	2640	3770
Manganese	mg/kg	1600	10000		479	443	499	496	430	397	486	469	480	446	327	292	233	287	284
Mercury	mg/kg	0.18	2.8		0.055	0.054	0.094	0.073	0.016 J	ND	ND	0.057	0.045	0.032 J	0.016 J	ND	ND	0.026 J	0.018 J
Nickel	mg/kg	30	310		20.3	18.8	16.9	17.9	22.9	25.8	22.6	19.1	21.1	23.1	23.3	24	25.9	16.7	23.1
Potassium	mg/kg				1210	954	904	889	1170	1160	993				1060			888	1090
Selenium	mg/kg	3.9	1500		ND	ND	0.545 J	ND	ND	0.709 J	ND	ND	ND	ND	ND	1.2 J	ND	0.722 J	0.792 J
Sodium	mg/kg				ND	ND	ND	ND	158	ND	ND	ND	64.2 J	76.4 J	71.1 J	ND	61.4 J	ND	ND
Vanadium	mg/kg				19.3	18.5	16.5	16.1	17.5	18.5	16.2	18.2	20.6	24.1	17.3	16.6	18.2	15.6	18.7
Zinc	mg/kg	109	10000		93.1	83.3	73.6	79.2	72.2	85	95.8	78.3	75.9	68.7	62.6	67.1	71.9	56.7	56.7
Chromium III	mg/kg	30	1500				11.2	11.6						18.8					
Chromium, Hexavalent	mg/kg	1	400				0.16 J	0.15 J						ND					
TCLP METALS																			
Arsenic	mg/l			5	0.0081 J	ND	ND	ND	ND	ND	ND	0.0061 J	ND	ND	ND	ND	0.0059 J	0.0123 J	0.0059 J
Barium	mg/l			100	0.555 J	0.907 J	0.935 J	0.989 J	1.19	0.717 J	1.11	0.445 J	0.872 J	0.373 J	0.554 J	0.547 J	0.55 J	0.551 J	0.28 J
Cadmium	mg/l			1	0.0009 J	0.0013 J	0.0014 J	0.0011 J	0.0007 J	ND	0.0008 J	0.0005 J	0.0009 J	ND	ND	ND	ND	0.0004 J	ND
Chromium, Total	mg/l			5	0.0105 J	ND	0.0008 J	0.0008 J	0.0033 J	ND	0.0045 J	0.0068 J	ND	0.0017 J	0.0011 J	ND	0.0037 J	0.0017 J	ND
Lead	mg/l			5	0.0354 J	0.01 J	0.0023 J	0.0026 J	0.0052 J	ND	0.0042 J	0.0099 J	ND	ND	ND	ND	0.0024 J	0.0026 J	ND
Mercury	mg/l			0.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Selenium	mg/l			1	ND	ND	ND	ND	0.0088 J	0.0119 J	ND	ND	ND	ND	ND	0.0071 J	ND	ND	ND
Silver	mg/l			5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
VOLATILE ORGANIC COMPOUNDS																			
Acetone	ug/kg	50	500000				11	8.6						ND					
Methyl Ethyl Ketone (2-Butanone)	ug/kg	120	500000				ND	ND						ND					
Methylcyclohexane	ug/kg						ND	0.73 J						ND					
Tetrachloroethylene (PCE)	ug/kg	1300	150000				ND	ND						ND					
Toluene	ug/kg	700	500000				0.37 J	0.25 J						ND					
SEMI-VOLATILE ORGANIC COMPOUNDS																			
2-Methylnaphthalene	ug/kg				120	64	82	64	19	ND	15	94	98	3.3 J	5.8 J	ND	ND	45	2.2 J
Acenaphthene	ug/kg	20000	500000		27 J	12	20	12	5.2 J	ND	2.1 J	29	29 J	ND	46	ND	ND	17	2 J
Acenaphthylene	ug/kg	100000	500000		540	250	320 J	160 J	36	ND	24	680	600	10	11	3.1 J	3.6 J	680	19
Anthracene	ug/kg	100000	500000		270	150	220 J	100 J	26	ND	14	330	310	5.3 J	99	ND	ND	290	7.5
Benzo(A)Anthracene	ug/kg	1000	5600		480	250	370	210	77	ND	32	820	700 J	13	190	ND	ND	1100	13
Benzo(A)Pyrene	ug/kg	1000	1000		860	460	630 J	330 J	100	ND	46	1400	1400	23	190	ND	ND	2000	29
Benzo(B)Fluoranthene	ug/kg	1000	5600		900	520	690 J	350 J	110	ND	47	1800	1400	26	210	ND	ND	1900	30
Benzo(G,H,I)Perylene	ug/kg	100000	500000		600	320	570 J	240 J	70	ND	38	1500	950	21	95	ND	ND	1200	27
Benzo(K)Fluoranthene	ug/kg	800	56000		280	170	220	120	33	ND	18	570	450	8.6	74	ND	ND	450	9.7
Biphenyl (Diphenyl)	ug/kg				ND	12 J	16 J	13 J	ND	ND	ND	18 J	ND	ND	ND	ND	ND	ND	ND
Bis(2-Ethylhexyl) Phthalate	ug/kg				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbazole	ug/kg				ND	30 J	37	24 J	ND	ND	ND	95	110 J	ND	51	ND	ND	41	ND
Chrysene	ug/kg	1000	56000		530	280	420	220	81	ND	35	920	710	16	180	ND	ND	1100	14
Dibenz(A,H)Anthracene	ug/kg	330	560		160	76	140 J	58 J	17	ND	9.1	260	250	4 J	31	ND	ND	310	ND
Dibenzofuran	ug/kg	7000	350000		36 J	21	30	21	5.7 J	ND	ND	57	75	ND	15	ND	ND	18	ND
Di-N-Butyl Phthalate	ug/kg				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	330 J	ND	ND	ND
Fluoranthene	ug/kg	100000	500000		660	410	540	310	120	ND	44	1400	1300	19	470	ND	ND	1500	19
Fluorene	ug/kg	30000	500000		70	29	35	23	9.6	ND	3 J	74	91	ND	37	ND	ND	43	ND
Indeno(1,2,3-C,D)Pyrene	ug/kg	500	5600		590	320	560 J	230 J	68	ND	32	1500	1000	21	110	ND	ND	1400	24
Naphthalene	ug/kg	12000	500000		220	98	130	120	36	ND	26	280	290	5.9 J	8.1	ND	ND	100	5.3 J
Phenanthrene	ug/kg	100000	500000		270	190	260	180	80	ND	27	420	500	9.5	350	ND	ND	160	5.8 J
Phenol	ug/kg	330	500000		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	11 J	ND
Pyrene	ug/kg	100000			760	420	510	340	130	ND	54	1300	1200	19	360	ND	ND	1500	18
PFAS																			
Perfluorooctanesulfonic acid (PFOS)	ug/kg	0.88[4]	440[4]				ND	0.2 J						ND					
Perfluorooctanoic acid (PFOA)	ug/kg	0.88[4]	440[4]				ND	ND						0.15 J					
Perfluoropentanoic Acid (PFPeA)	ug/kg						ND	ND						ND					
Perfluorotetradecanoic acid (PFTA)	ug/kg						ND	ND						ND					
PESTICIDES																			
P,P'-DDT	ug/kg	3.3	47000				5.2 J	ND						ND					
HERBICIDES (No Detections)																			
PCBS (No Detections)																			
TPH																			
Sgt Hem (Oil And Grease - Nonpolar	mg/kg						494	607						ND					

Notes:
[1]Soil Cleanup Objectives (SCOs) from 6 NYCRR Part 375 Environmental Remediation Programs Subpart 375-6, December 2006
[2]RCRA maximum concentration of contaminants for the toxicity characteristic from 40 CFR § 261.24
[3]Total chromium is compared against the NYCRR SCOs for trivalent (III) chromium
[4]PFAS Guidance Values obtained from NYSDEC Sampling, Analysis, and Assessment of PFAS, January 2021.
N = normal sample; FD = field duplicate; SO = soil; "–" = not analyzed; ND = not detected
mg/kg = milligrams per kilogram; ug/kg = micrograms per kilogram
U = Not detected above laboratory standard; UJ = Estimated and not detected at the value given; J = estimated at the value given; J+ = estimated biased high at the value given
- Value exceeds the NYCRR Unrestricted Use SCOs
- Value exceeds the NYCRR Commercial Use SCOs
- Value exceeds RCRA regulatory limits

Table 3
Stewart Park
Site Characterization Report
Validated Subsurface Data - Detected Compounds

Chemical Name	Unit	Part 375 Unrestricted SCOs[1]	Part 375 Commercial SCOs[1]	RCRA Regulatory Limits[2]	STP-SB-03 1 - 2 ft STP-SB-03_1.0-2.0 N SO R2010263/264-003 10/29/2020	STP-SB-03 5 - 7 ft STP-SB-03_5.0-7.0 N SO R2010263/264-004 10/29/2020	STP-SB-03 9 - 11 ft STP-SB-03_9.0-11.0 N SO R2010263/264-005 10/29/2020	STP-SB-03 13 - 15 ft STP-SB-03_13.0-15.0 N SO R2010263/264-006 10/29/2020	STP-SB-04 0 - 0.5 ft STP-SB-04_0.0-0.5 N SO R2010263/264-007 10/29/2020	STP-SB-04 0.5 - 1 ft STP-SB-04_0.5-1.0 N SO R2010263/264-008 10/29/2020	STP-SB-04 1 - 2 ft STP-SB-04_1.0-2.0 N SO R2010263/264-009 10/29/2020	STP-SB-04 4 - 6 ft STP-SB-04_4.0-6.0 N SO R2010263/264-010 10/29/2020	STP-SB-04 9 - 11 ft STP-SB-04_9.0-11.0 N SO R2010263/264-011 10/29/2020	STP-SB-04 14 - 16 ft STP-SB-04_14.0-16.0 N SO R2010263/264-012 10/29/2020	STP-SB-05 0 - 0.5 ft STP-SB-05_0.0-0.5 N SO R2010129/130-001 10/27/2020	STP-SB-05 0.5 - 1 ft STP-SB-05_0.5-1.0 N SO R2010129/130-002 10/27/2020	STP-SB-05 1 - 2 ft STP-SB-05_1.0-2.0 N SO R2010129/130-003 10/27/2020	STP-SB-05 6 - 8 ft STP-SB-05_6.0-8.0 N SO R2010129/130-004 10/27/2020	STP-SB-05 10 - 12 ft STP-SB-05_10.0-12.0 N SO R2010129/130-005 10/27/2020
INORGANICS																			
Aluminum	mg/kg				11900	13500	13400	14200	12400	12100	13500	13200	13800	13300	13800	13800	13300	13900	13800
Arsenic	mg/kg	13	16		10.2	11.3	10.5	10.9	7.7	8.1	8.6	12.2 J	10.4	11.2	8.8	11.8	10.4	8.7	7.4
Barium	mg/kg	350	400		168	208	184	157	156	78.4	284	226	198	164	169	179	191	199	170
Beryllium	mg/kg	7.2	590		0.519	0.82	0.624	0.657	0.58	0.491	0.553	0.574	0.635	0.607	0.508	0.529	0.521	0.509	0.554
Boron	mg/kg				14.7 J	18.2 J	16 J	17.2 J	13.5 J	13.9 J	15.2 J	16.9 J	16.2 J	16.1 J	15.4 J	16.6 J	16.3 J	16.4 J	18.3 J
Cadmium	mg/kg	2.5	9.3		0.282 J	0.335 J	0.29 J	0.269 J	ND	0.284 J	ND	0.302 J	0.279 J	ND	0.772	0.309 J	0.324 J	0.313 J	0.351 J
Calcium	mg/kg				685	1220	1380	1510	3230	1280	1260	1620	1490	1610	1590	1090	943	892	976
Chromium, Total	mg/kg	30	1500		14.8	17.9	18.9	18.9	15.4	14.8	16.5	18.2	18.2	19.7	17.3	17.3	16.8	22.5	17.6
Cobalt	mg/kg				9.9	12.2	11.9	11.5	9.5	8.2	11	11.4	12.2	12	9.7	12	11.3	12.5	11.1
Copper	mg/kg	50	270		25.4	19.1	17.6	25	18	9.4	20.3	29.5	17.6	17.7	30.8	37.8	37.9	43.7	37
Iron	mg/kg				27600	35500	30400	32900	22500	26400	27800	33100	31200	30000	28700	33100	31800	33000	37300
Lead	mg/kg	63	1000		11.4	10.9	9.9	10.9	30.3	12.1	16.8	30.6 J	9.4	26.7	23	14.6	13.7	14.4	13.3
Magnesium	mg/kg				3460	4200	4180	4770	2740	3090	3740	3780	4310	4250	3780	4220	4220	4360	4140
Manganese	mg/kg	1600	10000		366	385	417	372	516	333	418	436	266	412	418	501	412	559	620
Mercury	mg/kg	0.18	2.8		ND	ND	ND	ND	0.058	0.016 J	ND	0.015 J	ND	ND	0.029 J	0.015 J	ND	0.016 J	ND
Nickel	mg/kg	30	310		22.6	28.2	27.8	29.6	17.7	18	22.6	27.4	28.9	28.3	24.9	27.8	27.1	28.8	28.8
Potassium	mg/kg				1110	1480	1560	1630	1030	782	1050	1130	1490	1410					
Selenium	mg/kg	3.9	1500		0.936 J	1.1 J	ND	ND	0.769 J	0.633 J	0.748 J	0.585 J	ND	ND	0.673 J	ND	0.934 J	1.4	0.841 J
Sodium	mg/kg				ND	63.2 J	71.6 J	68.8 J	ND	ND	ND	65.1 J	66.7 J	67.6 J	60.7 J	ND	ND	56.6 J	117
Vanadium	mg/kg				17.6	21	19.2	20.1	20.8	23.4	22.8	20.6	19.6	18.7	19.8	19.6	19.1	19.2	20.8
Zinc	mg/kg	109	10000		62.5	67.3	63.7	69.3	76.6	57.4	57.9	72.4	69.7	64.9	92.5	92.2	93.4	98	104 J
Chromium III	mg/kg	30	1500		12						14.5						16.8		
Chromium, Hexavalent	mg/kg	1	400		0.19 J						0.15 J						ND		
TCLP METALS																			
Arsenic	mg/l			5	ND	ND	ND	ND	ND	ND	ND	0.0066 J	ND	ND	0.0074 J	ND	ND	ND	ND
Barium	mg/l			100	0.605 J	0.491 J	0.481 J	0.491 J	0.467 J	0.271 J	0.566 J	0.643 J	0.704 J	0.5 J	0.507 J	0.691 J	0.725 J	0.917 J	0.646 J
Cadmium	mg/l			1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0011 J	ND	ND	ND	0.0004 J
Chromium, Total	mg/l			5	ND	ND	0.0043 J	ND	0.0077 J	ND	ND	0.001 J	ND	0.0024 J	0.0042 J	ND	ND	0.0018 J	0.0009 J
Lead	mg/l			5	0.0021 J	ND	0.0026 J	0.0033 J	0.0104 J	ND	ND	ND	ND	0.0036 J	0.0052 J	ND	ND	0.003 J	ND
Mercury	mg/l			0.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Selenium	mg/l			1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0098 J	0.0065 J	0.0068 J	ND	0.0069 J
Silver	mg/l			5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
VOLATILE ORGANIC COMPOUNDS																			
Acetone	ug/kg	50	500000		8.4						10						5.4		
Methyl Ethyl Ketone (2-Butanone)	ug/kg	120	500000		ND						ND						ND		
Methylcyclohexane	ug/kg				ND						ND						ND		
Tetrachloroethylene (PCE)	ug/kg	1300	150000		ND						ND						ND		
Toluene	ug/kg	700	500000		ND						ND						ND		
SEMI-VOLATILE ORGANIC COMPOUNDS																			
2-Methylnaphthalene	ug/kg				ND	ND	ND	ND	98	2.9 J	ND	4 J	ND	ND	3.8 J	ND	ND	ND	ND
Acenaphthene	ug/kg	20000	500000		ND	ND	ND	ND	13	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	ug/kg	100000	500000		6.5 J	2.5 J	8.1	ND	400	15	3.8 J	14	ND	ND	30	ND	ND	ND	ND
Anthracene	ug/kg	100000	500000		ND	ND	ND	ND	200	6.7 J	ND	7.5 J	ND	ND	11	ND	ND	ND	ND
Benzo(A)Anthracene	ug/kg	1000	5600		ND	ND	6.4 J	ND	310	12	ND	11	ND	ND	31	ND	ND	ND	ND
Benzo(A)Pyrene	ug/kg	1000	1000		11	ND	11	ND	580	23	ND	20	ND	3.9 J	64	5.2 J	ND	ND	3.2 J
Benzo(B)Fluoranthene	ug/kg	1000	5600		8.4	ND	11	ND	570	21	4.5 J	19	ND	4.9 J	74	7.6	ND	4.2 J	4 J
Benzo(G,H,I)Perylene	ug/kg	100000	500000		9.2	ND	12	ND	450	17	3.7 J	21	ND	3.4 J	54	5.8 J	ND	4.4 J	3.3 J
Benzo(K)Fluoranthene	ug/kg	800	56000		ND	ND	ND	ND	180	7.5 J	ND	7.4 J	ND	ND	26	ND	ND	ND	ND
Biphenyl (Diphenyl)	ug/kg				ND	ND	ND	ND	12 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-Ethylhexyl) Phthalate	ug/kg				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbazole	ug/kg				ND	ND	ND	ND	24 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	ug/kg	1000	56000		ND	ND	4.9 J	ND	400	13	ND	10	ND	ND	35	3 J	ND	ND	ND
Dibenz(A,H)Anthracene	ug/kg	330	560		ND	ND	ND	ND	120	4.4 J	ND	4.4 J	ND	ND	12	ND	ND	ND	ND
Dibenzofuran	ug/kg	7000	350000		ND	ND	ND	ND	24	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-N-Butyl Phthalate	ug/kg				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	ug/kg	100000	500000		ND	ND	7.1 J	ND	390	20	ND	20	ND	6.9 J	42	ND	ND	ND	ND
Fluorene	ug/kg	30000	500000		ND	ND	ND	ND	49	ND	ND	ND	ND	ND	2.4 J	ND	ND	ND	ND
Indeno(1,2,3-C,D)Pyrene	ug/kg	500	5600		7.1 J	ND	12	ND	470	18	ND	19	ND	ND	56	5.5 J	ND	3.4 J	ND
Naphthalene	ug/kg	12000	500000		ND	ND	ND	ND	150	6.4 J	ND	6.1 J	ND	ND	9.2	ND	ND	ND	ND
Phenanthrene	ug/kg	100000	500000		ND	ND	ND	ND	140	6.6 J	ND	9.9	ND	6.8 J	16	ND	ND	ND	ND
Phenol	ug/kg	330	500000		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	ug/kg	100000			6.4 J	ND	8	ND	550	24	ND	22	ND	5.7 J	42	3.5 J	ND	ND	ND
PFAS																			
Perfluorooctanesulfonic acid (PFOS)	ug/kg	0.88[4]	440[4]		ND						ND						ND		
Perfluorooctanoic acid (PFOA)	ug/kg	0.88[4]	440[4]		ND						ND						ND		
Perfluoropentanoic Acid (PFPeA)	ug/kg				ND						ND						ND		
Perfluorotetradecanoic acid (PFTA)	ug/kg				ND						ND						0.2 J		
PESTICIDES																			
P,P'-DDT	ug/kg	3.3	47000		ND						ND						ND		
HERBICIDES (No Detections)																			
PCBS (No Detections)																			
TPH																			
Sgt Hem (Oil And Grease - Nonpolar	mg/kg				ND						ND						ND		

Notes:
[1]Soil Cleanup Objectives (SCOs) from 6 NYCRR Part 375 Environmental Remediation Programs Subpart 3
[2]RCRA maximum concentration of contaminants for the toxicity characteristic from 40 CFR § 261.24
[3]Total chromium is compared against the NYCRR SCOs for trivalent (III) chromium
[4]PFAS Guidance Values obtained from NYSDEC Sampling, Analysis, and Assessment of PFAS, January 20
N = normal sample; FD = field duplicate; SO = soil; "--" = not analyzed; ND = not detected
mg/kg = milligrams per kilogram; ug/kg = micrograms per kilogram
U = Not detected above laboratory standard; UJ = Estimated and not detected at the value given; J = esti
- Value exceeds the NYCRR Unrestricted Use SCOs
- Value exceeds the NYCRR Commercial Use SCOs
- Value exceeds RCRA regulatory limits

Table 3
Stewart Park
Site Characterization Report
Validated Subsurface Data - Detected Compounds

Chemical Name	Unit	Part 375 Unrestricted SCOs[1]	Part 375 Commercial SCOs[1]	RCRA Regulatory Limits[2]	Location ID	Depth	Sample ID	Sample Type	Matrix	Lab Sample ID	Sampled
					STP-SB-05	14 - 16 ft	STP-SB-05_14.0-16.0	N	SO	R2010129/130-006	10/27/2020
					STP-SB-06	0 - 0.5 ft	STP-SB-06_0.0-0.5	N	SO	R2010183/184-001	10/28/2020
					STP-SB-06	0.5 - 1 ft	STP-SB-06_0.5-1.0	N	SO	R2010183/184-002	10/28/2020
					STP-SB-06	1 - 2 ft	STP-SB-06_1.0-2.0	N	SO	R2010183/184-003	10/28/2020
					STP-SB-06	5 - 7 ft	STP-SB-06_5.0-7.0	N	SO	R2010183/184-004	10/28/2020
					STP-SB-06	12 - 14 ft	STP-SB-06_12.0-14.0	N	SO	R2010183/184-005	10/28/2020
					STP-SB-06	15 - 17 ft	STP-SB-06_15.0-17.0	N	SO	R2010183/184-006	10/28/2020
					STP-SB-07	0 - 0.5 ft	STP-SB-07_0.0-0.5	N	SO	R2010129/130-007	10/27/2020
					STP-SB-07	0.5 - 1 ft	STP-SB-07_0.5-1.0	N	SO	R2010129/130-008	10/27/2020
					STP-SB-07	1 - 2 ft	STP-SB-07_1.0-2.0	N	SO	R2010129/130-009	10/27/2020
					STP-SB-07	2 - 4 ft	STP-SB-07_2.0-4.0	N	SO	R2010129/130-010	10/27/2020
					STP-SB-07	2 - 4 ft	STP-SB-07_2.0-4.0 DUP	FD	SO	R2010129/130-011	10/27/2020
					STP-SB-07	10 - 12 ft	STP-SB-07_10.0-12.0	N	SO	R2010129/130-012	10/27/2020
					STP-SB-07	13 - 15 ft	STP-SB-07_13.0-15.0	N	SO	R2010129/130-013	10/27/2020
					STP-SB-08	0 - 0.5 ft	STP-SB-08_0.0-0.5	N	SO	R2010282/284-001	10/30/2020
INORGANICS											
Aluminum	mg/kg				11900	11900	12700	12300	11800	13400	13300	8610	11800	13000	15400	15900	11300	10300	16200
Arsenic	mg/kg	13	16		15.2	8.9	10.2 J	9.2	7.6	9.7	10	6.7	6.9	7.4	6	5.7	8	8.8	7.3
Barium	mg/kg	350	400		157	147	158	165	267	181	190	80	105	118	194	201	168	100	119
Beryllium	mg/kg	7.2	590		0.548	0.543	0.532	0.498	0.514	0.601	0.606	0.364	0.449	0.482	0.587	0.619	0.44	0.439	0.455
Boron	mg/kg				16.2 J	14.2 J	15.5 J	15.5 J	16.5 J	15.9 J	15.3 J	11.3 J	12.2 J	13.4 J	12.8 J	13.3 J	14 J	13.6 J	12.9 J
Cadmium	mg/kg	2.5	9.3		0.434 J	0.377 J	0.281 J	0.239 J	0.267 J	0.2 J	0.184 J	0.375 J	0.313 J	0.287 J	0.207 J	0.21 J	0.266 J	0.225 J	0.177 J
Calcium	mg/kg				843	3930	1850	1650	1420	1300	1440	20600	14400	6740	2590	2880	2520	902	1310
Chromium, Total	mg/kg	30	1500		12.6	14.5	16.3	15.9	16.3	17.2	17.1	10.7	13.6	15.4	17.1	18	15.4	13.7	17
Cobalt	mg/kg				12.7	8.8	10.5	10.7	9.8	12	11.9	6.7	7.6	8.5	7.5	6.9	10	8.5	9.5
Copper	mg/kg	50	270		31.5	23.2	31.3	30.8	26.7	23.5	18	17.9	18.4	20.2	13.7	15.2	30.5	22.3	18
Iron	mg/kg				32500	24500	30800	30500	33600	32200	30600	18000	21000	24700	22800	24100	26600	25000	25600
Lead	mg/kg	63	1000		22.6	38.5	18.5	12.9	16.9	11	10.2	41.9	77	17.6	15.5	15	15.1	11.1	10.8
Magnesium	mg/kg				3260	3810	3860	3980	3590	4140	4030	5600	3860	4220	2870	3250	3740	3330	3710
Manganese	mg/kg	1600	10000		1830	501	421	404	628	548	387	472	372	373	359	245	514	209	355
Mercury	mg/kg	0.18	2.8		0.028 J	0.043	0.017 J	ND	ND	ND	ND	0.05	0.031 J	0.027 J	0.028 J	0.02 J	ND	ND	0.034 J
Nickel	mg/kg	30	310		29.7	20.4	25.6	26.4	25	28.5	26.5	15.8	18.2	20.7	17.6	18.9	22.8	21.7	22.8
Potassium	mg/kg					1110	974	961	999	1240	1440								793
Selenium	mg/kg	3.9	1500		1.5	0.649 J	ND	ND	ND	0.801 J	ND	ND	ND	ND	ND	ND	0.799 J	ND	ND
Sodium	mg/kg				181	ND	ND	ND	ND	ND	ND	57.4 J	64.2 J	54.2 J	74.5 J	69.1 J	104	ND	122 J
Vanadium	mg/kg				18.5	19.1	18.8	17.6	18.5	19	18.7	13.5	17.9	20.6	23.1	23.4	16.8	15.2	20.7
Zinc	mg/kg	109	10000		90.3	80	85.5	85.6	74.3	71.9	63.8	82.4	71.2	68.8	63.5	65	84.4	61.2	71.4
Chromium III	mg/kg	30	1500					14.7						15.4					
Chromium, Hexavalent	mg/kg	1	400					ND						ND					
TCLP METALS																			
Arsenic	mg/l			5	ND	0.0068 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0065 J	ND
Barium	mg/l			100	0.59 J	0.413 J	0.535 J	0.646 J	0.997 J	0.464 J	0.5 J	0.646 J	0.703 J	0.882 J	0.492 J	0.541 J	0.932 J	0.392 J	0.605 J
Cadmium	mg/l			1	ND	0.0005 J	0.0004 J	ND	ND	ND	ND	0.001 J	0.0008 J	0.0005 J	ND	ND	ND	ND	0.0005 J
Chromium, Total	mg/l			5	0.0007 J	0.0024 J	0.001 J	ND	0.0025 J	0.0012 J	0.0026 J	0.0011 J	ND	ND	0.0008 J	0.0009 J	0.0013 J	0.0025 J	0.0006 J
Lead	mg/l			5	ND	0.0064 J	0.0021 J	ND	0.0024 J	ND	ND	0.0054 J	0.0028 J	ND	ND	ND	0.0027 J	ND	0.0035 J
Mercury	mg/l			0.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Selenium	mg/l			1	ND	0.0069 J	0.0071 J	0.0098 J	0.0067 J	0.0079 J	0.0065 J	ND	ND	ND	0.0094 J	ND	ND	ND	ND
Silver	mg/l			5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
VOLATILE ORGANIC COMPOUNDS																			
Acetone	ug/kg	50	500000					8.4						6.6					
Methyl Ethyl Ketone (2-Butanone)	ug/kg	120	500000					ND						2.6 J					
Methylcyclohexane	ug/kg							ND						ND					
Tetrachloroethylene (PCE)	ug/kg	1300	150000					ND						0.26 J					
Toluene	ug/kg	700	500000					ND						ND					
SEMI-VOLATILE ORGANIC COMPOUNDS																			
2-Methylnaphthalene	ug/kg				ND	68	16	ND	5.1 J	ND	ND	12	55	24	ND	ND	4.3 J	ND	8.7
Acenaphthene	ug/kg	20000	500000		ND	13	2.4 J	ND	ND	ND	ND	5.4 J	50	5.1 J	ND	ND	ND	ND	16
Acenaphthylene	ug/kg	100000	500000		ND	290	110	ND	3.8 J	ND	ND	88	410	110	4.9 J	13 J	18	ND	210
Anthracene	ug/kg	100000	500000		ND	150	61	ND	ND	ND	ND	46	310	56	ND	6.3 J	8.3	ND	160
Benzo(A)Anthracene	ug/kg	1000	5600		ND	190	200	ND	5.7 J	ND	ND	110	580	78	ND	20 J	16	ND	500
Benzo(A)Pyrene	ug/kg	1000	1000		ND	420	310	ND	6.9 J	ND	ND	210	1000	170	8.3 J	39 J	31	ND	800
Benzo(B)Fluoranthene	ug/kg	1000	5600		ND	460	320	ND	7.1 J	ND	ND	230	1000	170	9.1 J	40 J	33	ND	820
Benzo(G,H,I)Perylene	ug/kg	100000	500000		ND	380	260	ND	5.4 J	ND	ND	150	640	150	9.5 J	23 J	26	ND	560
Benzo(K)Fluoranthene	ug/kg	800	56000		ND	130	100	ND	ND	ND	ND	79	300	58	ND	11 J	11	ND	280
Biphenyl (Diphenyl)	ug/kg				ND	ND	ND	ND	ND	ND	ND	ND	9.3 J	ND	ND	ND	ND	ND	ND
Bis(2-Ethylhexyl) Phthalate	ug/kg				ND	ND	ND	ND	ND	ND	ND	140 J	ND	ND	ND	ND	ND	ND	ND
Carbazole	ug/kg				ND	34 J	31 J	ND	ND	ND	ND	ND	40	ND	ND	ND	ND	ND	34 J
Chrysene	ug/kg	1000	56000		ND	220	200	ND	3.7 J	ND	ND	130	620	93	ND	20 J	18	ND	530
Dibenz(A,H)Anthracene	ug/kg	330	560		ND	91	65	ND	ND	ND	ND	38	160	35	ND	6.6 J	6.2 J	ND	140
Dibenzofuran	ug/kg	7000	350000		ND	23	8.8	ND	ND	ND	ND	6.5 J	33	8.6	ND	ND	ND	ND	13
Di-N-Butyl Phthalate	ug/kg				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	40 J	ND	ND	ND	ND
Fluoranthene	ug/kg	100000	500000		ND	310	310	ND	8.6	ND	ND	170	970	130	ND	17 J	25	ND	880
Fluorene	ug/kg	30000	500000		ND	33	10	ND	ND	ND	ND	9.5	76	14	ND	ND	3.3 J	ND	29
Indeno(1,2,3-C,D)Pyrene	ug/kg	500	5600		ND	380	270	ND	4.8 J	ND	ND	160	640	140	6.5 J	24 J	22	ND	630
Naphthalene	ug/kg	12000	500000		ND	160	32	ND	5.5 J	ND	ND	22	99	41	ND	4.7 J	8.2	ND	19
Phenanthrene	ug/kg	100000	500000		ND	130	130	ND	9.5	ND	ND	65	550	69	ND	5.3 J	10	ND	430
Phenol	ug/kg	330	500000		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	ug/kg	100000			ND	360	300	ND	7.9	ND	ND	200	1200	150	4.8 J	25 J	30	ND	740
PFAS																			
Perfluorooctanesulfonic acid (PFOS)	ug/kg	0.88[4]	440[4]					ND						ND					
Perfluorooctanoic acid (PFOA)	ug/kg	0.88[4]	440[4]					ND						0.15 J					
Perfluoropentanoic Acid (PFPeA)	ug/kg							ND						ND					
Perfluorotetradecanoic acid (PFTA)	ug/kg							ND						0.21 J					
PESTICIDES																			
P,P'-DDT	ug/kg	3.3	47000					ND						ND					
HERBICIDES (No Detections)																			
PCBS (No Detections)																			
TPH																			
Sgt Hem (Oil And Grease - Nonpolar	mg/kg							ND						519					

Notes:
[1]Soil Cleanup Objectives (SCOs) from 6 NYCRR Part 375 Environmental Remediation Programs Subpart 3
[2]RCRA maximum concentration of contaminants for the toxicity characteristic from 40 CFR § 261.24
[3]Total chromium is compared against the NYCRR SCOs for trivalent (III) chromium
[4]PFAS Guidance Values obtained from NYSDEC Sampling, Analysis, and Assessment of PFAS, January 20
N = normal sample; FD = field duplicate; SO = soil; "--" = not analyzed; ND = not detected
mg/kg = milligrams per kilogram; ug/kg = micrograms per kilogram
U = Not detected above laboratory standard; UJ = Estimated and not detected at the value given; J = esti
- Value exceeds the NYCRR Unrestricted Use SCOs
- Value exceeds the NYCRR Commercial Use SCOs
- Value exceeds RCRA regulatory limits

Table 3
Stewart Park
Site Characterization Report
Validated Subsurface Data - Detected Compounds

Chemical Name	Unit	Part 375 Unrestricted SCOs[1]	Part 375 Commercial SCOs[1]	RCRA Regulatory Limits[2]	Location ID	STP-SB-08	STP-SB-08	STP-SB-08	STP-SB-08	STP-SB-08
					Depth	0.5 - 1 ft	1 - 2 ft	5.5 - 7.5 ft	9 - 11 ft	14 - 16 ft
					Sample ID	STP-SB-08_0.5-1.0	STP-SB-08_1.0-2.0	STP-SB-08_5.5-7.5	STP-SB-08_9.0-11.0	STP-SB-08_14.0-16.0
					Sample Type	N	N	N	N	N
					Matrix	SO	SO	SO	SO	SO
					Lab Sample ID	R2010282/284-002	R2010282/284-003	R2010282/284-004	R2010282/284-005	R2010282/284-006
					Sampled	10/30/2020	10/30/2020	10/30/2020	10/30/2020	10/30/2020
INORGANICS										
Aluminum	mg/kg					11500	13400	11700	12000	11900
Arsenic	mg/kg	13	16			7.8	6.1 J	10	10.2	8.4
Barium	mg/kg	350	400			154	109	165	175	149
Beryllium	mg/kg	7.2	590			0.471	0.411	0.475	0.533	0.485
Boron	mg/kg					11.5 J	11.2 J	13.8 J	14.5 J	14.3 J
Cadmium	mg/kg	2.5	9.3			0.295 J	0.158 J	0.264 J	0.239 J	0.265 J
Calcium	mg/kg					4180	1120	1400	1670	1310
Chromium, Total	mg/kg	30	1500			12.9	13.9	15.4	16.1	33.5
Cobalt	mg/kg					8.2	8.1	10.5	11	10.6
Copper	mg/kg	50	270			18.9	17.2	20.8	18.9	24.6
Iron	mg/kg					21200	22900	28200	29800	28700
Lead	mg/kg	63	1000			28.5	10.2	13.4	11.1	10.7
Magnesium	mg/kg					3070	3020	3650	3790	3540
Manganese	mg/kg	1600	10000			689	336	451	641	423
Mercury	mg/kg	0.18	2.8			0.04	0.018 J	ND	ND	ND
Nickel	mg/kg	30	310			18	18.7	24.8	25.2	28.4
Potassium	mg/kg					852	764	1010	1180	1230
Selenium	mg/kg	3.9	1500			0.722 J	ND	0.634 J	0.804 J	ND
Sodium	mg/kg					96.6 J	101 J	56.9 J	ND	87.1 J
Vanadium	mg/kg					18	18.5	16.9	17.3	17.7
Zinc	mg/kg	109	10000			81.6	59.5	61.7	63.6	62.2
Chromium III	mg/kg	30	1500				13.9			
Chromium, Hexavalent	mg/kg	1	400				0.14 J			
TCLP METALS										
Arsenic	mg/l			5		ND	ND	ND	ND	ND
Barium	mg/l			100		0.844 J	0.465 J	0.536 J	0.509 J	0.63 J
Cadmium	mg/l			1		0.0005 J	ND	ND	ND	ND
Chromium, Total	mg/l			5		ND	ND	0.0055 J	ND	0.0035 J
Lead	mg/l			5		ND	ND	0.0034 J	ND	0.0025 J
Mercury	mg/l			0.2		ND	ND	ND	ND	ND
Selenium	mg/l			1		ND	0.0078 J	0.0068 J	0.0078 J	0.0102 J
Silver	mg/l			5		ND	ND	ND	ND	ND
VOLATILE ORGANIC COMPOUNDS										
Acetone	ug/kg	50	500000				5.1 J			
Methyl Ethyl Ketone (2-Butanone)	ug/kg	120	500000				ND			
Methylcyclohexane	ug/kg						ND			
Tetrachloroethylene (PCE)	ug/kg	1300	150000				ND			
Toluene	ug/kg	700	500000				ND			
SEMI-VOLATILE ORGANIC COMPOUNDS										
2-Methylnaphthalene	ug/kg					10 J	ND	ND	ND	ND
Acenaphthene	ug/kg	20000	500000			20 J	ND	ND	ND	ND
Acenaphthylene	ug/kg	100000	500000			270	11	ND	ND	2.5 J
Anthracene	ug/kg	100000	500000			120	ND	ND	ND	ND
Benzo(A)Anthracene	ug/kg	1000	5600			250	28	ND	ND	7.3 J
Benzo(A)Pyrene	ug/kg	1000	1000			650	54	9.3	ND	13
Benzo(B)Fluoranthene	ug/kg	1000	5600			630	56	9	ND	16
Benzo(G,H,I)Perylene	ug/kg	100000	500000			480	42	8.1	ND	14
Benzo(K)Fluoranthene	ug/kg	800	56000			240	19	ND	ND	5.6 J
Biphenyl (Diphenyl)	ug/kg					ND	ND	ND	ND	ND
Bis(2-Ethylhexyl) Phthalate	ug/kg					ND	ND	ND	ND	ND
Carbazole	ug/kg					ND	ND	ND	ND	ND
Chrysene	ug/kg	1000	56000			280	31	4.6 J	ND	7.5 J
Dibenz(A,H)Anthracene	ug/kg	330	560			130	9.9	ND	ND	ND
Dibenzofuran	ug/kg	7000	350000			ND	ND	ND	ND	ND
Di-N-Butyl Phthalate	ug/kg					ND	ND	ND	ND	ND
Fluoranthene	ug/kg	100000	500000			400	40	ND	ND	11
Fluorene	ug/kg	30000	500000			20 J	ND	ND	ND	ND
Indeno(1,2,3-C,D)Pyrene	ug/kg	500	5600			550	39	6.7 J	ND	12
Naphthalene	ug/kg	12000	500000			27	ND	ND	ND	ND
Phenanthrene	ug/kg	100000	500000			95	6.4 J	4.1 J	ND	5 J
Phenol	ug/kg	330	500000			ND	ND	ND	ND	ND
Pyrene	ug/kg	100000				360	41	5.3 J	ND	9.5
PFAS										
Perfluorooctanesulfonic acid (PFOS)	ug/kg	0.88[4]	440[4]				ND			
Perfluorooctanoic acid (PFOA)	ug/kg	0.88[4]	440[4]				ND			
Perfluoropentanoic Acid (PFPeA)	ug/kg						0.23 J			
Perfluorotetradecanoic acid (PFTA)	ug/kg						ND			
PESTICIDES										
P,P'-DDT	ug/kg	3.3	47000				ND			
HERBICIDES (No Detections)										
PCBS (No Detections)										
TPH										
Sgt Hem (Oil And Grease - Nonpolar	mg/kg						ND			

Notes:
[1]Soil Cleanup Objectives (SCOs) from 6 NYCRR Part 375 Environmental Remediation Programs Subpart 3
[2]RCRA maximum concentration of contaminants for the toxicity characteristic from 40 CFR § 261.24
[3]Total chromium is compared against the NYCRR SCOs for trivalent (III) chromium
[4]PFAS Guidance Values obtained from NYSDEC Sampling, Analysis, and Assessment of PFAS, January 20
N = normal sample; FD = field duplicate; SO = soil; "--" = not analyzed; ND = not detected
mg/kg = milligrams per kilogram; ug/kg = micrograms per kilogram
U = Not detected above laboratory standard; UJ = Estimated and not detected at the value given; J = esti
- Value exceeds the NYCRR Unrestricted Use SCOs
- Value exceeds the NYCRR Commercial Use SCOs
- Value exceeds RCRA regulatory limits

Table 4
Stewart Park
Site Characterization Report
Validated Test Pit Data - Detected Compounds

Chemical Name	Unit	Part 375 Unrestricted SCOs[1]	Part 375 Commercial SCOs[1]	RCRA Regulatory Limits[2]	Location ID	STP-TP-01	STP-TP-01	STP-TP-02	STP-TP-02	STP-TP-02	STP-TP-03	STP-TP-03
					Depth	0.8 - 1.2 ft	3.3 - 4 ft	5 - 6 ft	5 - 6 ft	7 - 7.6 ft	0.5 - 1 ft	6.5 - 7 ft
					Sample ID	STP-TP-01_0.8-1.2	STP-TP-01_3.3-4.0	STP-TP-02_5.0-6.0	STP-TP-02_5.0-6.0 DUP	STP-TP-02_7.0-7.6	STP-TP-03_0.5-1.0	STP-TP-03_6.5-7.0
					Sample Type	N	N	N	FD	N	N	N
					Matrix	SO	SO	SO	SO	SO	SO	SO
					Lab Sample ID	R2010127/128-001	R2010127/128-002	R2010127/128-003	R2010127/128-006	R2010127/128-004	R2010127/128-008	R2010127/128-007
					Sampled	10/27/2020	10/27/2020	10/27/2020	10/27/2020	10/27/2020	10/28/2020	10/28/2020
INORGANICS												
Aluminum	mg/kg					7640	13800	15000	14800	14100	17000	13400
Arsenic	mg/kg	13	16			11.1	8.8	8.8 J	10.7	10.4	11.1	11.8
Barium	mg/kg	350	400			162	143	139	126	194	151	83.4
Beryllium	mg/kg	7.2	590			0.53	0.567	0.558	0.624	0.536	0.803	0.612
Boron	mg/kg					20.6 J	14.5 J	15.3 J	16.1 J	16.6 J	19.3 J	16.7 J
Cadmium	mg/kg	2.5	9.3			1.3	0.245 J	0.169 J	0.168 J	0.278 J	0.293 J	0.258 J
Calcium	mg/kg					50200	3130	868	875	877	1120	224
Chromium, Total	mg/kg	30	1500			17.1	15.7	17.4	17.6	17.6	21	16.3
Cobalt	mg/kg					6.6	8.5	12.6	13.4	13.4	13.4	11
Copper	mg/kg	50	270			51.2	16.5	37.2	38.6	43.2	27.9	31.8
Iron	mg/kg					35500	25400	32300	34400	32900	36800	32800
Lead	mg/kg	63	1000			233	37.9	19.2	20.8	15.9	21.2	15.2
Magnesium	mg/kg					3340	2600	4310	4250	4430	4710	3920
Manganese	mg/kg	1600	10000			351	386	571 J	585	575	388	349
Mercury	mg/kg	0.18	2.8			0.277	0.042	0.02 J	0.021 J	0.019 J	0.026 J	ND
Nickel	mg/kg	30	310			19.8	15.5	27.8	27.2	30.7	31.5	27.3
Potassium	mg/kg					1080	1220	1210 J	1100	1170	1280	1090
Selenium	mg/kg	3.9	1500			1.1 J	ND	0.738 J	0.634 J	0.854 J	1.1	ND
Silver	mg/kg	2	1500			0.205 J	ND	ND	ND	ND	ND	ND
Sodium	mg/kg					234	178	ND	ND	ND	ND	ND
Vanadium	mg/kg					19.9	24.8	21.3	21.5	19.6	25.6	18.8
Zinc	mg/kg	109	10000			221	78.2	98.3	101	105	88.4	77.6
Chromium III	mg/kg	30	1500			17.1		17.3			20.8	
Chromium, Hexavalent	mg/kg	1	400			ND		0.15 J			0.15 J	
Cyanide	mg/kg	27	27			0.3 J		ND			ND	
TCLP METALS												
Arsenic	ug/l			5		ND	ND	0.0067 J	ND	ND	ND	ND
Barium	ug/l			100		0.71 J	1.07	0.651 J	0.639 J	0.889 J	0.552 J	0.499 J
Cadmium	ug/l			1		0.0026 J	0.0012 J	ND	ND	ND	ND	ND
Chromium, Total	ug/l			5		0.0012 J	ND	0.0008 J	0.0009 J	0.0011 J	0.0007 J	0.0009 J
Lead	ug/l			0.2		0.0145 J	0.0169 J	0.0029 J	0.0035 J	ND	ND	0.0025 J
Selenium	ug/l			1.0		0.0106 J	0.007 J	0.0098 J	ND	0.0123 J	0.0071 J	0.01 J
VOLATILE ORGANIC COMPOUNDS (No Detections)												
SEMI-VOLATILE ORGANIC COMPOUNDS												
2-Methylnaphthalene	ug/kg					190	29	ND	ND	ND	4.1 J	ND
Acenaphthene	ug/kg	20000	500000			52 J	36	ND	ND	ND	ND	ND
Acenaphthylene	ug/kg	100000	500000			740	22	17 J	6.5 J	ND	5.8 J	ND
Anthracene	ug/kg	100000	500000			430	150	9.7 J	4.6 J	ND	ND	ND
Benzaldehyde	ug/kg					ND	19 J	ND	ND	ND	ND	ND
Benzo(A)Anthracene	ug/kg	1000	5600			1100	180	61 J	10 J	ND	5.9 J	ND
Benzo(A)Pyrene	ug/kg	1000	1000			1500	190	100 J	18 J	6 J	4.8 J	ND
Benzo(B)Fluoranthene	ug/kg	1000	5600			1400	210	110 J	23 J	6.9	4.9 J	ND
Benzo(G,H,I)Perylene	ug/kg	100000	500000			950	120	84 J	26 J	7.3	4.6 J	ND
Benzo(K)Fluoranthene	ug/kg	800	56000			540	75	41 J	7.1 J	ND	ND	ND
Carbazole	ug/kg					ND	56	ND	ND	ND	ND	ND
Chrysene	ug/kg	1000	56000			1300	200	66 J	11 J	ND	4.2 J	ND
Dibenz(A,H)Anthracene	ug/kg	330	560			260	40	20 J	4.7 J	ND	ND	ND
Dibenzofuran	ug/kg	7000	350000			61 J	49	ND	ND	ND	ND	ND
Di-N-Butyl Phthalate	ug/kg					ND	ND	ND	ND	ND	69 J	ND
Fluoranthene	ug/kg	100000	500000			1500	380	84 J	17 J	ND	9.3	ND
Fluorene	ug/kg	30000	500000			110	84	ND	ND	ND	ND	ND
Indeno(1,2,3-C,D)Pyrene	ug/kg	500	5600			870	120	85 J	23 J	6.2 J	ND	ND
Naphthalene	ug/kg	12000	500000			170	28	ND	ND	ND	ND	ND
Phenanthrene	ug/kg	100000	500000			740	470	10	7.3	ND	6 J	ND
Pyrene	ug/kg	100000				1700	340	94 J	16 J	4 J	5.3 J	ND
PFAS												
Perfluoroheptanoic acid (PFHpA)	ng/g					0.24 J		ND			ND	
Perfluorooctanesulfonic acid (PFOS)	ng/g	0.88[4]	440[4]			0.46 J		ND			ND	
Perfluorooctanoic acid (PFOA)	ng/g	0.88[4]	440[4]			0.61 J		ND			0.15 J	
PESTICIDES												
P,P'-DDD	ug/kg	3.3	92000			28 J		ND			ND	
P,P'-DDE	ug/kg	3.3	62000			15		ND			ND	
P,P'-DDT	ug/kg	3.3	47000			24		ND			ND	
HERBICIDES (No Detections)												
PCBS												
PCB-1260 (Aroclor 1260)	ug/kg	100	1000			49		ND			ND	
TPH (No Detections)												
Sgt Hem (Oil And Grease - Nonpolar	mg/kg					1240		ND			ND	

Notes:

[1]Soil Cleanup Objectives (SCOs) from 6 NYCRR Part 375 Environmental Remediation Programs Subpart 375-6, December 2006

[2]RCRA maximum concentration of contaminants for the toxicity characteristic from 40 CFR § 261.24

[3]Total chromium is compared against the NYCRR SCOs for trivalent (III) chromium

[4]PFAS Guidance Values obtained from NYSDEC Sampling, Analysis, and Assessment of PFAS, January 2021.

N = normal sample; FD = field duplicate; SO = soil; "--" = not analyzed; ND = not detected

mg/kg = milligrams per kilogram; ug/kg = micrograms per kilogram

ND = not deteceted; UJ = Estimated and not detected at the value given; J = estimated at the value given

- Value exceeds the NYCRR Unrestricted Use SCOs
- Value exceeds the NYCRR Commercial Use SCOs
- Value exceeds RCRA regulatory limits

PARSONS

Table 4
Stewart Park
Site Characterization Report
Validated Test Pit Data - Detected Compounds

Chemical Name	Unit	Part 375 Unrestricted SCOs[1]	Part 375 Commercial SCOs[1]	RCRA Regulatory Limits[2]	STP-TP-04 1 - 1.5 ft	STP-TP-04 6 - 6.5 ft
Location ID					STP-TP-04	STP-TP-04
Depth					1 - 1.5 ft	6 - 6.5 ft
Sample ID					STP-TP-04_1.0-1.5	STP-TP-04_6.0-6.5
Sample Type					N	N
Matrix					SO	SO
Lab Sample ID					R2010127/128-011	R2010127/128-010
Sampled					10/28/2020	10/28/2020
INORGANICS						
Aluminum	mg/kg				14700	16300
Arsenic	mg/kg	13	16		9.3	9.9
Barium	mg/kg	350	400		201	190
Beryllium	mg/kg	7.2	590		0.716	0.734
Boron	mg/kg				15.8 J	18.6 J
Cadmium	mg/kg	2.5	9.3		0.261 J	0.287 J
Calcium	mg/kg				1190	1440
Chromium, Total	mg/kg	30	1500		18	21.2
Cobalt	mg/kg				7.3	15.5
Copper	mg/kg	50	270		12.3	24.4
Iron	mg/kg				30900	35200
Lead	mg/kg	63	1000		17.6	15.2
Magnesium	mg/kg				2970	5140
Manganese	mg/kg	1600	10000		369	768
Mercury	mg/kg	0.18	2.8		0.026 J	ND
Nickel	mg/kg	30	310		17.7	36.2
Potassium	mg/kg				984	1650
Selenium	mg/kg	3.9	1500		1 J	0.757 J
Silver	mg/kg	2	1500		ND	ND
Sodium	mg/kg				ND	ND
Vanadium	mg/kg				25.8	24.4
Zinc	mg/kg	109	10000		61.7	81.3
Chromium III	mg/kg	30	1500			21.2
Chromium, Hexavalent	mg/kg	1	400			0.19 J
Cyanide	mg/kg	27	27			ND
TCLP METALS						
Arsenic	ug/l			5	ND	ND
Barium	ug/l			100	0.573 J	0.427 J
Cadmium	ug/l			1	ND	ND
Chromium, Total	ug/l			5	0.0007 J	0.0007 J
Lead	ug/l			0.2	ND	ND
Selenium	ug/l			1.0	0.0071 J	ND
VOLATILE ORGANIC COMPOUNDS (No Detections)						
SEMI-VOLATILE ORGANIC COMPOUNDS						
2-Methylnaphthalene	ug/kg				ND	ND
Acenaphthene	ug/kg	20000	500000		ND	ND
Acenaphthylene	ug/kg	100000	500000		7 J	4.8 J
Anthracene	ug/kg	100000	500000		ND	ND
Benzaldehyde	ug/kg				ND	ND
Benzo(A)Anthracene	ug/kg	1000	5600		7.8	ND
Benzo(A)Pyrene	ug/kg	1000	1000		12	ND
Benzo(B)Fluoranthene	ug/kg	1000	5600		15	5.5 J
Benzo(G,H,I)Perylene	ug/kg	100000	500000		8.7	ND
Benzo(K)Fluoranthene	ug/kg	800	56000		4.5 J	ND
Carbazole	ug/kg				ND	ND
Chrysene	ug/kg	1000	56000		12	3.8 J
Dibenz(A,H)Anthracene	ug/kg	330	560		ND	ND
Dibenzofuran	ug/kg	7000	350000		ND	ND
Di-N-Butyl Phthalate	ug/kg				ND	ND
Fluoranthene	ug/kg	100000	500000		14	ND
Fluorene	ug/kg	30000	500000		ND	ND
Indeno(1,2,3-C,D)Pyrene	ug/kg	500	5600		8.6	4.2 J
Naphthalene	ug/kg	12000	500000		3.8 J	ND
Phenanthrene	ug/kg	100000	500000		9	ND
Pyrene	ug/kg	100000			12	ND
PFAS						
Perfluoroheptanoic acid (PFHpA)	ng/g					ND
Perfluorooctanesulfonic acid (PFOS)	ng/g	0.88[4]	440[4]			ND
Perfluorooctanoic acid (PFOA)	ng/g	0.88[4]	440[4]			0.18 J
PESTICIDES						
P,P'-DDD	ug/kg	3.3	92000			ND
P,P'-DDE	ug/kg	3.3	62000			ND
P,P'-DDT	ug/kg	3.3	47000			ND
HERBICIDES (No Detections)						
PCBS						
PCB-1260 (Aroclor 1260)	ug/kg	100	1000			ND
TPH (No Detections)						
Sgt Hem (Oil And Grease - Nonpolar	mg/kg					ND

Notes:
[1]Soil Cleanup Objectives (SCOs) from 6 NYCRR Part 375 Environmental Remediation Programs Subpart 375-6, Dece
[2]RCRA maximum concentration of contaminants for the toxicity characteristic from 40 CFR § 261.24
[3]Total chromium is compared against the NYCRR SCOs for trivalent (III) chromium
[4]PFAS Guidance Values obtained from NYSDEC Sampling, Analysis, and Assessment of PFAS, January 2021.
N = normal sample; FD = field duplicate; SO = soil; "--" = not analyzed; ND = not detected
mg/kg = milligrams per kilogram; ug/kg = micrograms per kilogram
ND = not deteceted; UJ = Estimated and not detected at the value given; J = estimated at the value given
- Value exceeds the NYCRR Unrestricted Use SCOs
- Value exceeds the NYCRR Commercial Use SCOs
- Value exceeds RCRA regulatory limits

Table 5
Stewart Park
Site Characterization Report
Validated Groundwater Data - Detected Compounds

				Location ID	STP-MW-01	STP-MW-01	STP-MW-02
				Depth	STP-MW-01_112520	STP-MW-01_112520 DUP	STP-MW-02_113020
				Sample ID	7.5 - 18.5 ft	8.5 - 18.5 ft	6 - 16 ft
				Sample Type	WG	WG	WG
				Matrix	R2011318	R2011318	R2011387
				Lab Sample ID	R2011318-001	R2011318-002	R2011387-001
				Sampled	11/25/2020	11/25/2020	11/30/2020
				Sample Type Code	N	FD	N
Chemical Name	Unit	NYCRR Class GA SGVs[1]	NYSDEC PFAS Guidance [2]				
METALS							
Aluminum	ug/l	100		ND	ND	281	
Antimony	ug/l	3		4.9 J	ND	ND	
Barium	ug/l	1000		95.7	96.8	136	
Boron	ug/l			72.4 J	72.6 J	106 J	
Calcium	ug/l			13800	14100	80800	
Cobalt	ug/l	5		2.1 J	2.1 J	ND	
Iron	ug/l	300		ND	ND	339	
Magnesium	ug/l	35000		4470	4560	21200	
Manganese	ug/l	300		209	216	273	
Mercury	ug/l	0.7		ND	ND	1.9	
Potassium	ug/l			1480 J	1520 J	4880	
Sodium	ug/l	20000		6410	6500	32700	
VOCs							
Chloroform	ug/l	7		ND	ND	1.5	
SVOCs							
1,4-Dioxane (P-Dioxane)	ug/l		10[3]	ND	ND	0.041	
PFAS							
Perfluorobutanesulfonic acid (PFBS)	ng/l		100[2]	ND	ND	2.4 J	
Perfluorobutanoic Acid	ng/l		100[2]	ND	ND	7.1	
Perfluoroheptanoic acid (PFHpA)	ng/l		100[2]	ND	0.66 J	3 J	
Perfluorohexanesulfonic acid (PFHxS)	ng/l		100[2]	ND	ND	4.2 J	
Perfluorohexanoic acid (PFHxA)	ng/l		100[2]	ND	ND	11	
Perfluorooctanesulfonic acid (PFOS)	ng/l		10[2,3]	ND	ND	5.6	
Perfluorooctanoic acid (PFOA)	ng/l		10[2,3]	ND	ND	6.3	
Perfluoropentanoic Acid (PFPeA)	ng/l		100[2]	ND	ND	7.5	
Sodium 1H,1H,2H,2H-Perfluorodecane Sulfonate (8:2)	ng/l		100[2]	ND	ND	0.17 J	
Sodium 1H,1H,2H,2H-Perfluorooctane Sulfonate (6:2)	ng/l		100[2]	ND	ND	0.56 J	
TOTAL PFAS	ng/l		500[2]	ND	0.66	47.83	
PESTICIDES (No Detections)							
HERBICIDES (No Detections)							
PCBS (No Detections)							
TPH (No Detections)							

Notes:

[1]NYSDEC Groundwater Standards and Guidance Values (SGVs) obtained from the Division of Water TOGS 1.1.1. June 1998

[2]PFAS Guidance Values obtained from NYSDEC Sampling, Analysis, and Assessment of PFAS, January 2021.

[3]Maximum Contaminant Level, Section 5-1.52, Table 3, of Title 10 (Health) of the Official Compilation of Codes, Rules and Regulations of the State of New York.

N = normal sample; WG = groundwater; FD = field duplicate; EB = equipment blank, FB = field blank, TB = trip blank

mg/l= milligrams per liter; ug/l= micrograms per liter; ng/l = nanograms per liter

ND= Not detected above laboratory standard; UJ = Estimated and not detected at the value given

J = estimated at the value given; J+ = estimated biased high at the value given

- Value exceeds Class GA groundwater quality standard.

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APPENDIX A – AERIAL PHOTOGRAPHS

ENVIRONMENTAL RISK INFORMATION SERVICES

HISTORICAL AERIALS

Project Property: Stewart Park
Stewart Park
Corning NY 14830

Requested By: PARSONS

Order No: 20200109160

Data Completed: January 13,2020

Environmental Risk Information Services
A division of Glacier Media Inc.
1.866.517.5204 | info@erisinfo.com | erisinfo.com

Date	Source	Source Scale	Comments
2017	National Agriculture Information Program	1" to 500'	
2015	National Agriculture Information Program	1" to 500'	
2013	National Agriculture Information Program	1" to 500'	
2011	National Agriculture Information Program	1" to 500'	
2009	National Agriculture Information Program	1" to 500'	
2008	National Agriculture Information Program	1" to 500'	
2006	National Agriculture Information Program	1" to 500'	
1995	US Geological Survey	1" to 500'	
1985	National High Altitude Photography	1" to 500'	BEST COPY AVAILABLE
1968	US Geological Survey	1" to 500'	
1960	United States Air Force	1" to 500'	
1952	US Geological Survey	1" to 500'	
1942	Agriculture and Soil Conservation Service	1" to 500'	
1938	Agriculture and Soil Conservation Service	1" to 500'	



Year:2017
Source:NAIP
Scale:1" to 500'
Comment:

Address:Stewart Park,Corning,NY
Approx Center:42.16085828/-77.0615764

Order No:20200109160

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES



Year:2015
Source:NAIP
Scale:1" to 500'
Comment:

Address:Stewart Park,Corning,NY
Approx Center:42.16085828/-77.0615764

Order No:20200109160

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES



Year:2013
Source:NAIP
Scale:1" to 500'
Comment:

Address:Stewart Park,Corning,NY
Approx Center:42.16085828/-77.0615764

Order No:20200109160

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES

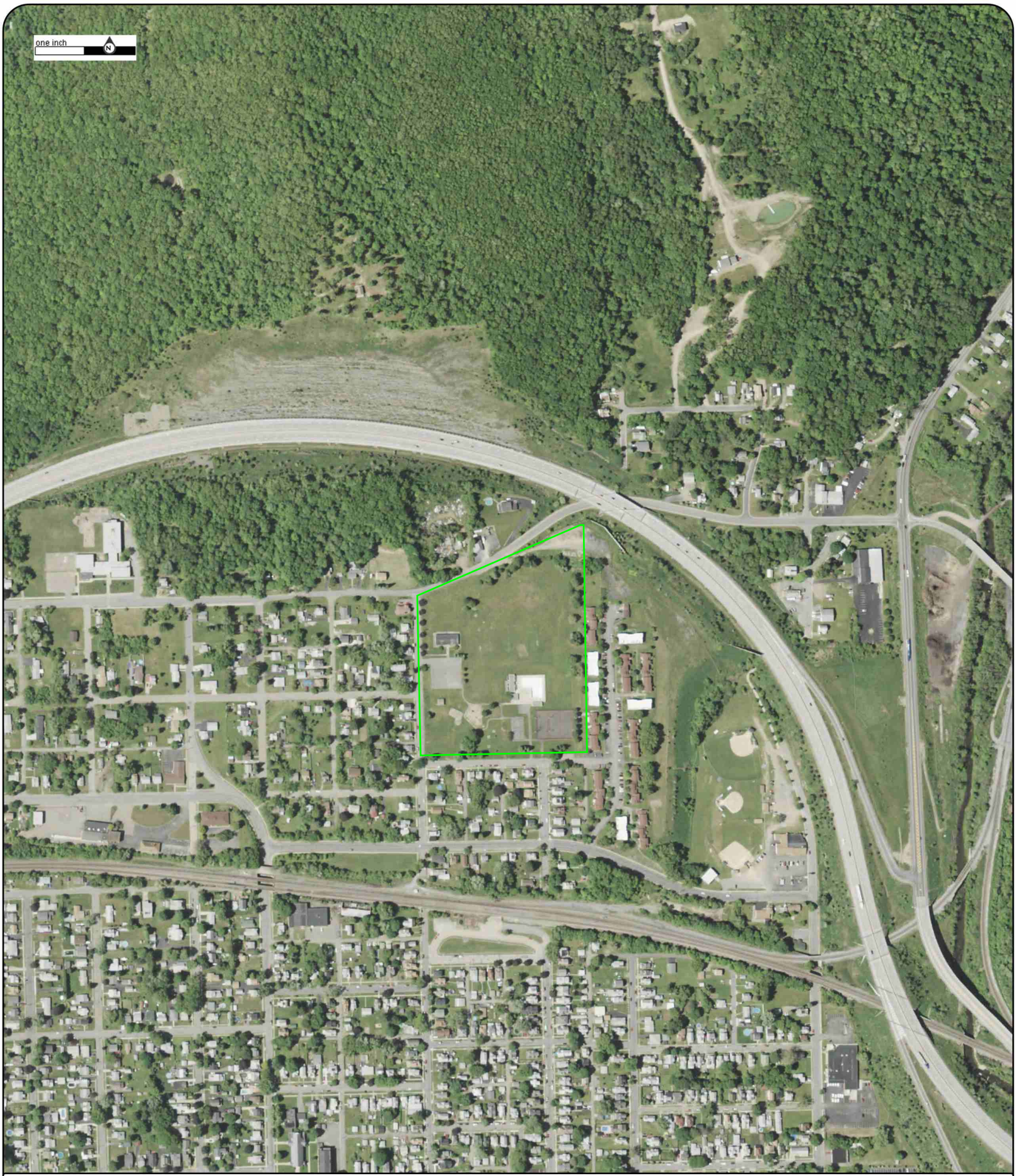


Year:2011
Source:NAIP
Scale:1" to 500'
Comment:

Address:Stewart Park,Corning,NY
Approx Center:42.16085828/-77.0615764

Order No:20200109160

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES

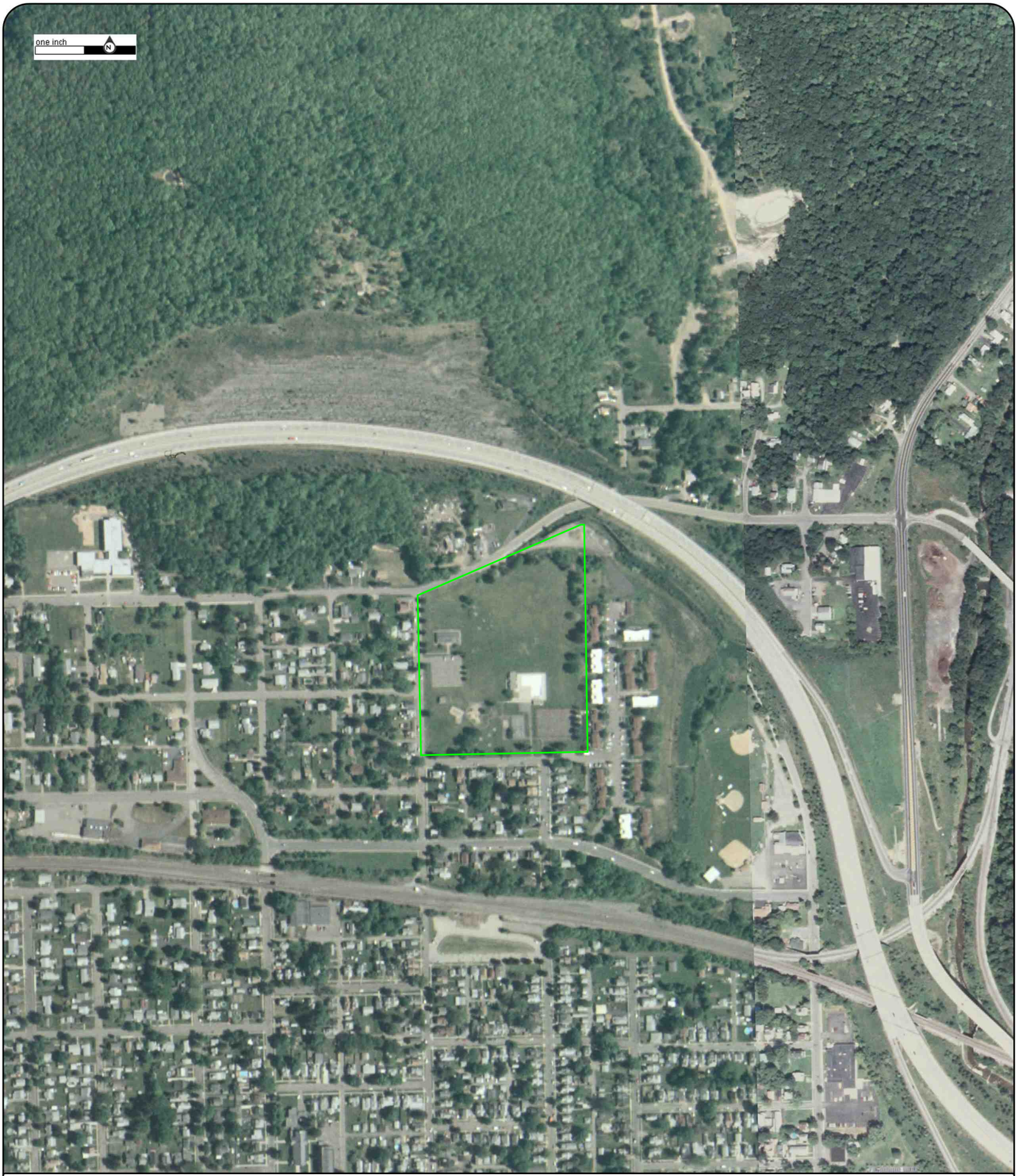


Year:2009
Source:NAIP
Scale:1" to 500'
Comment:

Address:Stewart Park,Corning,NY
Approx Center:42.16085828/-77.0615764

Order No:20200109160

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES



Year:2008
Source:NAIP
Scale:1" to 500'
Comment:

Address:Stewart Park,Corning,NY
Approx Center:42.16085828/-77.0615764

Order No:20200109160

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES



Year:2006
Source:NAIP
Scale:1" to 500'
Comment:

Address:Stewart Park,Corning,NY
Approx Center:42.16085828/-77.0615764

Order No:20200109160

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES



Year:1995
Source:USGS
Scale:1" to 500'
Comment:

Address:Stewart Park,Corning,NY
Approx Center:42.16085828/-77.0615764

Order No:20200109160

ENVIRONMENTAL RISK INFORMATION SERVICES



Year:1985
Source:NHAP
Scale:1" to 500'
Comment:BEST COPY AVAILABLE

Address:Stewart Park,Corning,NY
Approx Center:42.16085828/-77.0615764

Order No:20200109160

ENVIRONMENTAL RISK INFORMATION SERVICES



Year:1968
Source:USGS
Scale:1" to 500'
Comment:

Address:Stewart Park,Corning,NY
Approx Center:42.16085828/-77.0615764

Order No:20200109160

ENVIRONMENTAL RISK INFORMATION SERVICES



Year:1960
Source:USAF
Scale:1" to 500'
Comment:

Address:Stewart Park,Corning,NY
Approx Center:42.16085828/-77.0615764

Order No:20200109160

ENVIRONMENTAL RISK INFORMATION SERVICES



Year:1952
Source:USGS
Scale:1" to 500'
Comment:

Address:Stewart Park,Corning,NY
Approx Center:42.16085828/-77.0615764

Order No:20200109160

ENVIRONMENTAL RISK INFORMATION SERVICES



Year:1942
Source:ASCS
Scale:1" to 500'
Comment:

Address:Stewart Park,Corning,NY
Approx Center:42.16085828/-77.0615764

Order No:20200109160

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES



Year:1938
Source:ASCS
Scale:1" to 500'
Comment:

Address:Stewart Park,Corning,NY
Approx Center:42.16085828/-77.0615764

Order No:20200109160

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES

APPENDIX B – SURFACE SOIL SAMPLING LOGS

Note: The term “trace” as it appears in the soil descriptions is specific to the Burmister Soil Classification System whereas trace is indicative of a sample containing 10% or less of a given soil component.

PARSONS
SURFACE SOIL SAMPLING RECORD

SITE NAME:	NYSDEC - Stewart Park #851060
PROJECT NUMBER:	452202.02000
SAMPLING DATE / TIME:	11/10/20 -- 1620
WEATHER:	60°F; sunny
SAMPLERS:	R. Inclima of Parsons
	of
SAMPLE ID:	STP_SS-01
SAMPLING METHOD:	shovel/homogenization
DEPTH OF SAMPLE:	0-2"

DESCRIPTION OF SAMPLING POINT

LOCATION:	SS-01
PHYSICAL APPEARANCE:	damp, soft, brown SILT, trace f-m gravel
VEGETATION:	grass, weeds
DRAINAGE DIRECTION:	WNW

SAMPLE DESCRIPTION

TEXTURE:	soft
COLOR:	brown
ODOR:	earth
OTHER:	none

SAMPLE ANALYSIS / QA/QC / CHAIN OF CUSTODY

ANALYZE FOR:	full parameter set*
QA/QC SAMPLE ID:	STP_SS-01MS, STP_SS-01MSD
ANALYZE QA/QC SAMPLES FOR:	full parameter set*
DATE/TIME REFRIGERATED:	-
CHAIN OF CUSTODY NUMBER:	STP-007
SHIPPED VIA:	FedEx
LABORATORY:	ALS Group USA Environmental

COMMENTS / MISCELLANEOUS

*metals, TCLP metals, SVOCs + 1,4-Dioxane, cyanide, hexavalent & trivalent chromium, VOCs, pesticides, PCBs + total, herbicides, TPH, PFAS

Equipment blank: STP_EB-01_111020

Trace is defined in soil classification terms as containing 10% or less of a soil component.

PARSONS

PARSONS
SURFACE SOIL SAMPLING RECORD

SITE NAME:	NYSDEC - Stewart Park #851060
PROJECT NUMBER:	452202.02000
SAMPLING DATE / TIME:	11/10/20 -- 1450
WEATHER:	60°F; sunny
SAMPLERS:	R. Inclima of Parsons
	of
SAMPLE ID:	STP_SS-02
SAMPLING METHOD:	shovel/homogenization
DEPTH OF SAMPLE:	0-2"

DESCRIPTION OF SAMPLING POINT

LOCATION:	SS-02
PHYSICAL APPEARANCE:	damp, med. stiff, brown SILT, little f-sand, trace m-c gravel
VEGETATION:	grass
DRAINAGE DIRECTION:	W

SAMPLE DESCRIPTION

TEXTURE:	medium stiff
COLOR:	brown
ODOR:	earth
OTHER:	none

SAMPLE ANALYSIS / QA/QC / CHAIN OF CUSTODY

ANALYZE FOR:	full parameter set*
QA/QC SAMPLE ID:	STP_SS-02DUP
ANALYZE QA/QC SAMPLES FOR:	full parameter set*
DATE/TIME REFRIGERATED:	-
CHAIN OF CUSTODY NUMBER:	STP-007
SHIPPED VIA:	FedEx
LABORATORY:	ALS Group USA Environmental

COMMENTS / MISCELLANEOUS

*metals, TCLP metals, SVOCs + 1,4-Dioxane, cyanide, hexavalent & trivalent chromium, VOCs, pesticides, PCBs + total, herbicides, TPH, PFAS

Equipment blank: STP_EB-01_111020

Trace is defined in soil classification terms as containing 10% or less of a soil component.

PARSONS

PARSONS
SURFACE SOIL SAMPLING RECORD

SITE NAME:	NYSDEC - Stewart Park #851060
PROJECT NUMBER:	452202.02000
SAMPLING DATE / TIME:	11/10/20 -- 1545
WEATHER:	60°F; sunny
SAMPLERS:	R. Inclima of Parsons
	of
SAMPLE ID:	STP_SS-03
SAMPLING METHOD:	shovel/homogenization
DEPTH OF SAMPLE:	0-2"

DESCRIPTION OF SAMPLING POINT

LOCATION:	SS-03
PHYSICAL APPEARANCE:	damp, soft, brown SILT, little m-gravel, trace c-gravel
VEGETATION:	grass
DRAINAGE DIRECTION:	SW

SAMPLE DESCRIPTION

TEXTURE:	soft
COLOR:	brown
ODOR:	earth
OTHER:	none

SAMPLE ANALYSIS / QA/QC / CHAIN OF CUSTODY

ANALYZE FOR:	full parameter set*
QA/QC SAMPLE ID:	N/A
ANALYZE QA/QC SAMPLES FOR:	N/A
DATE/TIME REFRIGERATED:	-
CHAIN OF CUSTODY NUMBER:	STP-007
SHIPPED VIA:	FedEx
LABORATORY:	ALS Group USA Environmental

COMMENTS / MISCELLANEOUS

*metals, TCLP metals, SVOCs + 1,4-Dioxane, cyanide, hexavalent & trivalent chromium, VOCs, pesticides, PCBs + total, herbicides, TPH, PFAS

Equipment blank: STP_EB-01_111020

Trace is defined in soil classification terms as containing 10% or less of a soil component.

PARSONS

PARSONS
SURFACE SOIL SAMPLING RECORD

SITE NAME:	NYSDEC - Stewart Park #851060
PROJECT NUMBER:	452202.02000
SAMPLING DATE / TIME:	11/10/20 -- 1135
WEATHER:	60°F; sunny
SAMPLERS:	R. Inclima of Parsons
	of
SAMPLE ID:	STP_SS-04
SAMPLING METHOD:	shovel/homogenization
DEPTH OF SAMPLE:	0-2"

DESCRIPTION OF SAMPLING POINT

LOCATION:	SS-04
PHYSICAL APPEARANCE:	damp, soft, brown SILT, little m-c gravel
VEGETATION:	grass
DRAINAGE DIRECTION:	SW

SAMPLE DESCRIPTION

TEXTURE:	soft
COLOR:	brown
ODOR:	earth
OTHER:	none

SAMPLE ANALYSIS / QA/QC / CHAIN OF CUSTODY

ANALYZE FOR:	full parameter set*
QA/QC SAMPLE ID:	N/A
ANALYZE QA/QC SAMPLES FOR:	N/A
DATE/TIME REFRIGERATED:	-
CHAIN OF CUSTODY NUMBER:	STP-007
SHIPPED VIA:	FedEx
LABORATORY:	ALS Group USA Environmental

COMMENTS / MISCELLANEOUS

*metals, TCLP metals, SVOCs + 1,4-Dioxane, cyanide, hexavalent & trivalent chromium, VOCs, pesticides, PCBs + total, herbicides, TPH, PFAS

Equipment blank: STP_EB-01_111020

Trace is defined in soil classification terms as containing 10% or less of a soil component.

PARSONS

PARSONS
SURFACE SOIL SAMPLING RECORD

SITE NAME:	NYSDEC - Stewart Park #851060
PROJECT NUMBER:	452202.02000
SAMPLING DATE / TIME:	11/10/20 -- 1215
WEATHER:	60°F; sunny
SAMPLERS:	R. Inclima of Parsons
	of
SAMPLE ID:	STP_SS-05
SAMPLING METHOD:	shovel/homogenization
DEPTH OF SAMPLE:	0-2"

DESCRIPTION OF SAMPLING POINT

LOCATION:	SS-05
PHYSICAL APPEARANCE:	damp,soft, brown SILT, little m-c gravel
VEGETATION:	grass
DRAINAGE DIRECTION:	S

SAMPLE DESCRIPTION

TEXTURE:	soft
COLOR:	brown
ODOR:	earth
OTHER:	none

SAMPLE ANALYSIS / QA/QC / CHAIN OF CUSTODY

ANALYZE FOR:	full parameter set*
QA/QC SAMPLE ID:	N/A
ANALYZE QA/QC SAMPLES FOR:	N/A
DATE/TIME REFRIGERATED:	-
CHAIN OF CUSTODY NUMBER:	STP-007
SHIPPED VIA:	FedEx
LABORATORY:	ALS Group USA Environmental

COMMENTS / MISCELLANEOUS

*metals, TCLP metals, SVOCs + 1,4-Dioxane, cyanide, hexavalent & trivalent chromium, VOCs, pesticides, PCBs + total, herbicides, TPH, PFAS

Equipment blank: STP_EB-01_111020

Trace is defined in soil classification terms as containing 10% or less of a soil component.

PARSONS

PARSONS
SURFACE SOIL SAMPLING RECORD

SITE NAME:	NYSDEC - Stewart Park #851060
PROJECT NUMBER:	452202.02000
SAMPLING DATE / TIME:	11/10/20 -- 1245
WEATHER:	60°F; sunny
SAMPLERS:	R. Inclima of Parsons
	of
SAMPLE ID:	STP_SS-06
SAMPLING METHOD:	shovel/homogenization
DEPTH OF SAMPLE:	0-2"

DESCRIPTION OF SAMPLING POINT

LOCATION:	SS-06
PHYSICAL APPEARANCE:	damp, loose, brn-gray med. SAND, some f-sand, little silt
VEGETATION:	grass
DRAINAGE DIRECTION:	SW

SAMPLE DESCRIPTION

TEXTURE:	loose, sandy, trace c-gravel
COLOR:	brown-gray
ODOR:	earth
OTHER:	none

SAMPLE ANALYSIS / QA/QC / CHAIN OF CUSTODY

ANALYZE FOR:	full parameter set*
QA/QC SAMPLE ID:	N/A
ANALYZE QA/QC SAMPLES FOR:	N/A
DATE/TIME REFRIGERATED:	-
CHAIN OF CUSTODY NUMBER:	STP-007
SHIPPED VIA:	FedEx
LABORATORY:	ALS Group USA Environmental

COMMENTS / MISCELLANEOUS

*metals, TCLP metals, SVOCs + 1,4-Dioxane, cyanide, hexavalent & trivalent chromium, VOCs, pesticides, PCBs + total, herbicides, TPH, PFAS

Equipment blank: STP_EB-01_111020

Trace is defined in soil classification terms as containing 10% or less of a soil component.

PARSONS
SURFACE SOIL SAMPLING RECORD

SITE NAME:	NYSDEC - Stewart Park #851060
PROJECT NUMBER:	452202.02000
SAMPLING DATE / TIME:	11/10/20 -- 1325
WEATHER:	60°F; sunny
SAMPLERS:	R. Inclima of Parsons
	of
SAMPLE ID:	STP_SS-07
SAMPLING METHOD:	shovel/homogenization
DEPTH OF SAMPLE:	0-2"

DESCRIPTION OF SAMPLING POINT

LOCATION:	SS-07
PHYSICAL APPEARANCE:	damp, loose, brn-gray, med SAND, some f-sand & silt
VEGETATION:	grass
DRAINAGE DIRECTION:	SW

SAMPLE DESCRIPTION

TEXTURE:	loose, sandy, trace f-m gravel
COLOR:	brown-gray
ODOR:	earth
OTHER:	none

SAMPLE ANALYSIS / QA/QC / CHAIN OF CUSTODY

ANALYZE FOR:	full parameter set*
QA/QC SAMPLE ID:	N/A
ANALYZE QA/QC SAMPLES FOR:	N/A
DATE/TIME REFRIGERATED:	-
CHAIN OF CUSTODY NUMBER:	STP-007
SHIPPED VIA:	FedEx
LABORATORY:	ALS Group USA Environmental

COMMENTS / MISCELLANEOUS

*metals, TCLP metals, SVOCs + 1,4-Dioxane, cyanide, hexavalent & trivalent chromium, VOCs, pesticides, PCBs + total, herbicides, TPH, PFAS

Equipment blank: STP_EB-01_111020

Trace is defined in soil classification terms as containing 10% or less of a soil component.

PARSONS

PARSONS
SURFACE SOIL SAMPLING RECORD

SITE NAME:	NYSDEC - Stewart Park #851060
PROJECT NUMBER:	452202.02000
SAMPLING DATE / TIME:	11/10/20 -- 1415
WEATHER:	60°F; sunny
SAMPLERS:	R. Inclima of Parsons
	of
SAMPLE ID:	STP_SS-08
SAMPLING METHOD:	shovel/homogenization
DEPTH OF SAMPLE:	0-2"

DESCRIPTION OF SAMPLING POINT

LOCATION:	SS-08
PHYSICAL APPEARANCE:	damp, soft, brown SILT, trace m-gravel
VEGETATION:	grass
DRAINAGE DIRECTION:	WSW

SAMPLE DESCRIPTION

TEXTURE:	soft
COLOR:	brown
ODOR:	earth
OTHER:	none

SAMPLE ANALYSIS / QA/QC / CHAIN OF CUSTODY

ANALYZE FOR:	full parameter set*
QA/QC SAMPLE ID:	N/A
ANALYZE QA/QC SAMPLES FOR:	N/A
DATE/TIME REFRIGERATED:	-
CHAIN OF CUSTODY NUMBER:	STP-007
SHIPPED VIA:	FedEx
LABORATORY:	ALS Group USA Environmental

COMMENTS / MISCELLANEOUS

*metals, TCLP metals, SVOCs + 1,4-Dioxane, cyanide, hexavalent & trivalent chromium, VOCs, pesticides, PCBs + total, herbicides, TPH, PFAS

Equipment blank: STP_EB-01_111020

Trace is defined in soil classification terms as containing 10% or less of a soil component.

PARSONS

APPENDIX C – SOIL BORING LOGS AND WELL CONSTRUCTION LOGS

Note: The term “trace” as it appears in the soil descriptions is specific to the Burmister Soil Classification System whereas trace is indicative of a sample containing 10% or less of a given soil component.

Contractor: Aztec
Driller: B. Gannon
Oversight: R. Inclima, J. Mikochik
Rig Type: Geoprobe 3230DT Track Rig

PARSONS
DRILLING RECORD

PROJECT NAME: NYSDEC - Stewart Park #851060
PROJECT Location: Corning, NY

BORING/ WELL NO. SB-01 Page 1 of 1
Location Description:

GROUNDWATER OBSERVATIONS			
Apparent Borehole DTW:	N/A		ft bls
Measured Water Level:	N/A		ft bls
Total Depth of Well:	N/A**		ft bls
Additional Comments:			

Drill Start/Finish: 10/28/20 – 1307
Drill Start/Finish: 10/28/20 – 1355
Well Install Start/Finish: N/A

Location Plan

Sample Type	SPT	% Recovery	PID (ppm)	USCS Symbol	Depth (ft bls)	FIELD IDENTIFICATION OF MATERIAL	SCHEMATIC (Drawing Not to Scale)	SOIL SAMPLES
				ML	1	0-1': damp, soft, dark brown SILT, little subangular f-m gravel, trace subrounded c-gravel and waste (ash, embedded ash in silt chunks) and organic material (grass, roots).		STP_SB-01_0.0-0.5 STP_SB-01_0.5-1.0
				ML	2	1-2.5': dry, medium stiff, light brown-gray SILT, some waste throughout (ash, charcoal, brick) and subangular f-m gravel, trace angular c-gravel.		STP_SB-01_1.0-2.0 (full parameter set + duplicate)
				ML	3	2.5-3': dry-to-damp, stiff, yellow-brown SILT, little f-sand, trace clay, angular c-sand, subangular m-gravel and waste (brick powder).		
					4			
MC	-	60%	0.0		5			
				ML	6	5-8.5': dry-to-damp, medium stiff, light brown SILT, some angular c-sand and f-gravel, little f-sand and subangular c-gravel, red-brown clayey-silt clumps ~7.2', trace waste (brick).		STP_SB-01_5.0-7.0
					7	8.5-9.2': damp, medium stiff, brown SILT, some f-sand, little clay and angular m-gravel, trace angular c-gravel (gravel fines towards bottom).		
				ML	8			
					9			STP_SB-01_8.0-10.0
MC	-	85%	0.0		10			
				SM	11	10-11.9': damp, medium dense, brown fine SAND and silt, little m-sand and f-gravel, trace subangular m-c gravel.		
				ML	12	11.9-13': dry-to-damp, soft, light brown SILT, some f-sand, little subangular c-sand to f-gravel and platy m-gravel, trace subangular cobble.		
					13			
					14			
MC	-	60%	0.0		15			STP_SB-01_14.0-16.0
				SM	16	15-16.3': damp, medium dense, brown fine SAND and silt, little angular c-sand to f-gravel, trace clay, angular c-gravel and cobbles.		
				GW	17	16.3-16.6': dry, loose, gray platy coarse GRAVEL, pulverized rock dust, trace platy cobble.		
				ML	18	16.6-18': damp, medium stiff, brown SILT, some f-sand, little angular f-gravel to platy m-gravel, trace clay and angular c-gravel.		
					19			
MC	-	60%	0.0		20			
				ML	21	20-25': damp, medium stiff, brown SILT, some f-sand, little angular f-gravel to platy m-gravel, trace clay and angular c-gravel.		
					22			
					23			
					24			
MC	-	100%	0.0		25	Direct-push refusal at 26.5'		

SAMPLING METHOD

HC = Hand Cleared (post hole) HS = Hollow S
MC = MacroCore SS = Split Spoon

COMMENTS:

*After completing MacroCore, additional soil volume collected from 0 - 2 ft bgs by stepping out 1-2 feet from original borehole and driving a 3" diameter, 2 ft long split spoon into g

**Monitoring well not installed at this location - water was not encountered down to refusal depth (26.5 ft). Borehole grouted with cement-bentonite grout after drilling.

Soil samples collected for full parameter set homogenized with stainless steel and bowl, soil samples collected for SVOCs, metals, and TCLP metals homogenized using zip lock bags.

Trace is defined in soil classification terms as containing 10% or less of a soil component.

PARSONS

Contractor: Aztec
Driller: B. Gannon, M. Deyette
Oversight: R. Inclima, J. Mikochik
Rig Type: Geoprobe 3230DT Track Rig

PARSONS
DRILLING RECORD

PROJECT NAME: NYSDEC - Stewart Park #851060
PROJECT Location: Corning, NY

BORING/ WELL NO. SB-02/MW-01 Page 1 of 1
Location Description:

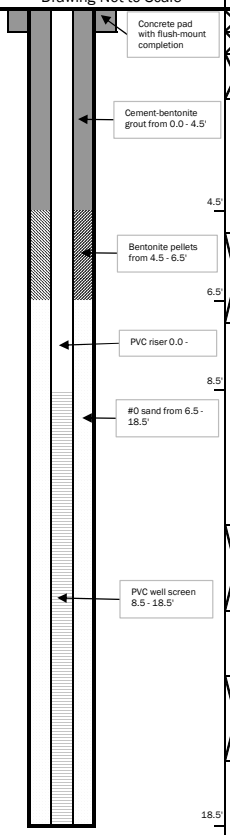
GROUNDWATER OBSERVATIONS			
Apparent Borehole DTW:	12		ft bls
Measured Water Level:	13.5		ft bls
Total Depth of Well:	18.5		ft bls
Additional Comments:			

Drill Start/Finish: 10/27/20 14:35
Drill Start/Finish: 10/27/20 15:30
Well Install Start/Finish: 10/28/2020 08:52 - 11:00

Location Plan

Sample Type	SPT	% Recovery	PID (ppm)	USCS Symbol	Depth (ft bls)	FIELD IDENTIFICATION OF MATERIAL
MC/SS*		80%	0.0	ML	1	0.0 - 1.0': Damp to dry, med. stiff, dark brown to brown SILT, some angular coarse sand, little fine sand, subangular medium-coarse gravel, trace ash, slag, brick, and organic material (grass, roots).
			0.0	ML/CL	2	1.0 - 3.0': Dry, stiff, light brown, SILT & CLAY, little fine sand and angular fine-medium gravel (lense), trace subangular coarse gravel, trace ash/slag pieces.
			0.0		3	
			0.0	ML/CL	4	3.0 - 4.0': Dry, stiff, light brown, CLAY & SILT, little angular fine-medium gravel, trace subround coarse gravel.
			0.0		5	
MC		70%	0.0	ML/CL	6	5.0 - 6.0': Damp, stiff, light brown-gray CLAY & SILT, some fine sand, trace coarse sand.
			0.0	SM	7	6.0 - 8.5': Damp to moist, med. dense, brown fine SAND, some silt, little clay.
			0.0		8	
			0.0		9	
			0.0		10	
MC		60%	0.0	SM	11	10.0 - 13.0': Wet to saturated, med. dense, brown fine SAND, some silt, little clay and medium sand (med. sand lense at ~ 12.5 ft).
			0.0		12	
			0.0		13	
			0.0		14	
			0.0		15	
MC		70%	0.0	SM	16	15.0 - 18.5': Saturated, medium dense, brown, fine SAND, some silt, little clay and medium sand.
			0.0		17	
			0.0		18	
			0.0		19	
			0.0		20	
MC		60%	0.0	SM	21	20 - 20.5': Saturated, medium dense, brown fine SAND, some silt, little clay and medium sand (demonstrates liquefaction).
			0.0	ML	22	20.5 - 21.5': Wet to saturated, medium dense, brown-orange SILT and fine SAND, some coarse sand and clay, little subround medium-coarse gravel (orange oxidation).
			0.0	SM	23	21.5 - 23.0': Wet to saturated, loose, brown to orange, fine SAND, some silt, clay, and medium sand, little subangular fine-medium gravel, trace cobbles (with orange oxidation).
			0.0		24	
			0.0		25	End of boring at 25 ft bgs. Switch to hollow stem auger to install well. HSA refusal at 18.5 feet.

SCHEMATIC
Drawing Not to Scale



SOIL SAMPLES

STP-SB-02_0.0 - 0.5
STP-SB-02_0.5 - 1.0
STP-SB-02_1.0 - 2.0 (full parameter set)
STP-SB-02_5.0-7.0
STP-SB-02_11.5-13.5
STP-SB-02_15.0-17.0

SAMPLING METHOD

HC = Hand Cleared (post hole) HS = Hollow Sten
MC = MacroCore SS = Split Spoon

COMMENTS:

*After completing MacroCore, additional soil volume collected from 0 - 2 ft bgs by stepping out 1-2 feet from original borehole and driving a 3" diameter, 2 ft long split spoon into grou

After sample collection, drilled with hollow stem auger to install monitoring well and hit refusal at 18.5 ft bgs.

Monitoring well MW-01 construction: 2" diameter (SCH 40 PVC) screen set from 8.5-18.5' bgs, and 2" diameter (SCH 40 PVC) riser to above-grade (6" sand not installed below well sc

due to reduced saturated interval). #0 filter-pack sand installed from 6.5 to 8.5' bgs, bentonite pellets installed from 4.5 - 6.5' bgs, and cement-bentonite-grout installed from 0.0 - 4.5 f

Monitoring well secured with a steel flush-mount casing set into a 2 x 2 ft concrete pad.

Soil samples collected for full parameter set homogenized with stainless steel and bowl, soil samples collected for SVOCs, metals, and TCLP metals homogenized using zip lock bags.

Trace is defined in soil classification terms as containing 10% or less of a soil component.

PARSONS

Contractor: Aztech	**PARSONS**	**BORING/**	Page 1 of 1
Driller: B. Gannon, M. Deyette	**DRILLING RECORD**	**WELL NO.** SB-03	
Oversight: J. Mikochik	**PROJECT NAME:** NYSDEC - Stewart Park #851060	**Location Description:**	
Rig Type: Geoprobe 3230DT Track Rig	**PROJECT Location:** Corning, NY		

GROUNDWATER OBSERVATIONS			
Apparent Borehole DTW:	NA		ft bls
Measured Water Level:	NA		ft bls
Total Depth of Well:	NA**		ft bls
Additional Comments:			

Drill Start/Finish: 10/29/20 8:10
Drill Start/Finish: 10/29/20 8:55
Well Install Start/Finish: Not applicable

Location Plan

Sample Type	SPT	% Recovery	PID (ppm)	USCS Symbol	Depth (ft bls)	FIELD IDENTIFICATION OF MATERIAL	SCHEMATIC Drawing Not to Scale	SOIL SAMPLES
MC/SS*		3.7 / 5.0	0.0	ML	1	0.0 - 0.7': Moist, soft, dark brown clayey SILT with roots (TOPSOIL). 0.7 - 5.0': Dry, stiff, light brown SILT, little to some angular gray to red-brown gravel and cobbles.		STP-SB-03_0.0 - 0.5 STP-SB-03_0.5 - 1.0 STP-SB-03_1.0 - 2.0 (full parameter set)
			0.0		2			
			0.0		3			
			0.0		4			
			0.0		5			
MC		5.0 / 5.0	0.0	ML	6	5.0 - 10.0': Dry, stiff, light brown SILT, little clay from 6 - 10', little to some angular light gray-brown gravel and cobbles, abundant from 8 - 8.5', 9.3 - 9.5'.		STP-SB-03_5.0-7.0
			0.0		7			
			0.0		8			
			0.0		9			
			0.0		10			STP-SB-03_9.0-11.0
MC		5.0 / 5.0	0.0	ML	11	10.0 - 15.0': Dry, stiff, light brown SILT, little to some angular light gray-brown gravel and cobbles, abundant from 12 - 13'.		
			0.0		12			
			0.0		13			
			0.0		14			STP-SB-03_13.0-15.0
			0.0		15			
MC		4.5 / 4.5	0.0	ML	16	15.0 - 19.5': Dry, stiff, light brown clayey SILT, little to some angular light gray-brown gravel and cobbles.		
			0.0		17			
			0.0		18			
			0.0		19			
			0.0					
					20	Direct-push refusal at 19.5 ft bgs.		
					21			
					22			
					23			
					24			
					25			

SAMPLING METHOD

HC = Hand Cleared (post hole) HS = Hollow Sten
MC = MacroCore SS = Split Spoon

COMMENTS:

*After completing MacroCore, additional soil volume collected from 0 - 2 ft bgs by stepping out 1-2 feet from original borehole and driving a 3" diameter, 2 ft long split spoon into groun

**Monitoring well not installed at this location - water was not encountered down to refusal depth (19.5 ft). Borehole grouted with cement-bentonite grout after drilling.

Soil samples collected for full parameter set homogenized with stainless steel and bowl, soil samples collected for SVOCs, metals, and TCLP metals homogenized using zip lock bags.

Soil samples collected for full parameter set homogenized with stainless steel and bowl, soil samples collected for SVOCs, metals, and TCLP metals homogenized using zip lock bags.

Trace is defined in soil classification terms as containing 10% or less of a soil component.

Contractor: Aztech
Driller: B. Gannon, M. Deyette
Oversight: R. Inclima, J. Mikochik
Rig Type: Geoprobe 3230DT Track Rig

PARSONS
DRILLING RECORD

PROJECT NAME: NYSDEC - Stewart Park #851060
PROJECT Location: Corning, NY

BORING/ WELL NO. SB-04/MW-02 Page 1 of 1
Location Description:

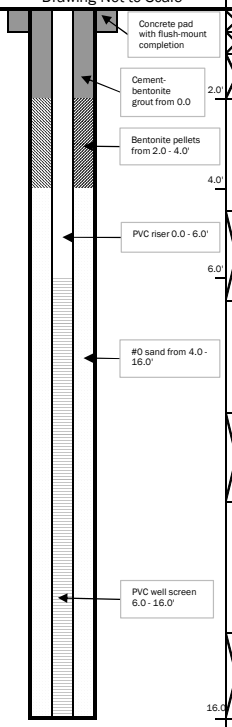
GROUNDWATER OBSERVATIONS			
Apparent Borehole DTW:	9.8		ft bls
Measured Water Level:	7.5		ft bls
Total Depth of Well:	16		ft bls
Additional Comments:			

Drill Start/Finish: 10/29/20 9:35
Drill Start/Finish: 10/29/20 10:10
Well Install Start/Finish: 10/29/20 10:10 - 12:40

Location Plan

Sample Type	SPT	% Recovery	PID (ppm)	USCS Symbol	Depth (ft bls)	FIELD IDENTIFICATION OF MATERIAL
MC/SS*		3.7 / 5.0	0.0	ML	1	0.0 - 0.6': Wet, soft, brown clayey SILT, trace sand, roots (TOPSOIL). 0.6 - 1.5': Dry, stiff, brown to orange-brown SILT, trace fine sand and fine subangular gravel.
			0.0		2	1.5 - 5.0': Dry, stiff, brown SILT, little angular gravel and clay, trace fine sand.
			0.0		3	
			0.0		4	
			0.0		5	
MC		4.0 / 5.0	0.0	ML	6	5.0 - 10.0': Dry to wet, stiff, brown SILT, little angular gravel and clay, little to trace clay, trace fine sand. Dry 5 - 7.5', moist 7.5 - 9.8', wet 9.8 - 10'.
			0.0		7	
			0.0		8	
			0.0		9	
			0.0		10	
MC		4.1 / 5.0	0.0	ML	11	10.0 - 15.0': Dry to wet, stiff, brown SILT, little angular gravel and clay, little to trace clay, trace fine sand. Saturated 10 - 12', moist to dry 13 - 15'.
			0.0		12	
			0.0		13	
			0.0		14	
			0.0		15	
MC		4.0 / 4.0	0.0	SM/GM	16	15.0 - 16.0': Wet, medium stiff, brown, silty coarse SAND & GRAVEL, little clay.
			0.0	ML	17	16.0 - 19.0': Dry, very stiff, brown SILT, some angular gravel & cobbles, little clay.
			0.0		18	
			0.0		19	
					20	Direct-push refusal at 19 ft bgs. Switch to hollow stem auger to install monitoring well. Hit refusal at 16.0 ft bgs.
					21	
					22	
					23	
					24	
					25	

SCHEMATIC
Drawing Not to Scale



SOIL SAMPLES

STP-SB-04_0.0 - 0.5
STP-SB-04_0.5 - 1.0
STP-SB-04_1.0 - 2.0 (full parameter set)
STP-SB-04_4.0-6.0
STP-SB-04_9.0-11.0
STP-SB-04_14.0-16.0

SAMPLING METHOD

HC = Hand Cleared (post hole) HS = Hollow Sten
MC = MacroCore SS = Split Spoon

COMMENTS:

*After completing MacroCore, additional soil volume collected from 0 - 2 ft bgs by stepping out 1-2 feet from original borehole and driving a 3" diameter, 2 ft long split spoon into groun

Monitoring well MW-02 construction: 2" diameter (SCH 40 PVC) screen set from 6.0 - 16.0' bgs, and 2" diameter (SCH 40 PVC) riser to above-grade (6" sand not installed below well sc

due to reduced saturated interval). #0 filter-pack sand installed from 4.0 - 6.0' bgs, bentonite pellets installed from 2.0 - 4.0' bgs, and cement-bentonite-grout installed from 0.0 - 2.0 ft

Monitoring well secured with a steel flush-mount casing set into a 2 x 2 ft concrete pad.

Soil samples collected for full parameter set homogenized with stainless steel and bowl, soil samples collected for SVOCs, metals, and TCLP metals homogenized using zip lock bags.

Trace is defined in soil classification terms as containing 10% or less of a soil component.

PARSONS

Contractor: Aztec
Driller: B. Gannon
Oversight: R. Inclima, J. Mikochik
Rig Type: Geoprobe 3230DT Track Rig

PARSONS
DRILLING RECORD

PROJECT NAME: NYSDEC - Stewart Park #851060
PROJECT Location: Corning, NY

BORING/ WELL NO. SB-05 Page 1 of 1
Location Description:

GROUNDWATER OBSERVATIONS			
Apparent Borehole DTW:	13.0		ft bls
Measured Water Level:	N/A		ft bls
Total Depth of Well:	N/A**		ft bls
Additional Comments:			

Drill Start/Finish: 10/27/20 - 08:58
Drill Start/Finish: 10/27/20 - 09:50
Well Install Start/Finish: N/A

Location Plan

Sample Type	SPT	% Recovery	PID (ppm)	USCS Symbol	Depth (ft bls)	FIELD IDENTIFICATION OF MATERIAL	SCHEMATIC (Drawing Not to Scale)	SOIL SAMPLES
			0.0	ML	1	0.0 - 0.5': Damp, soft, brown, SILT, little subangular medium-coarse sand and organic material (grass, roots), trace subangular coarse gravel and angular cobbles (TOPSOIL).		STP_SB-05_0.0-0.5 STP_SB-05_0.5-1.0
			0.0	ML	2	0.5 - 5.0': Dry, soft, light brown SILT, some fine gravel, little medium-coarse sand and angular fine gravel, trace subround medium-coarse gravel and cobbles.		STP_SB-05_1.0-2.0 (full parameter set)
			0.0		3			
			0.0		4			
MC	-	50%	0.0		5			
			0.0	ML	6	5.0 - 6.0': Dry-to-damp, medium brown to light brown SILT, some fine sand, little coarse sand and subangular fine-medium gravel, trace clay.		
			0.1	GM	7	6.0 - 7.0': Damp, loose, gray-brown angular coarse GRAVEL, some angular medium gravel and silt, little coarse sand, trace clay and cobbles.		STP_SB-05_6.0-8.0
			0.0	ML	8	7.0 - 10.0': Damp, medium stiff, brown SILT, some coarse sand and fine gravel, little subangular medium to coarse gravel, trace clay and cobbles.		
			0.0		9			
MC	-	75%	0.0		10			
			0.0	ML	11	10.0 - 11.5': Damp, soft, brown SILT, some fine sand, little subangular coarse sand, fine gravel, and subround medium gravel, trace clay and subangular coarse gravel.		STP_SB-05_10.0-12.0 + MS/MSD
			0.0	ML GM	12	11.5 - 12.5': Dry, loose, gray-brown angular medium GRAVEL, some silt and fine sand, little angular coarse gravel and fine gravel, trace clay and cobbles.		
			0.0	ML	13	12.5 - 13.0': Damp, medium stiff, brown SILT, some fine sand and angular fine gravel, little angular medium gravel, trace clay and angular coarse gravel.		
			0.0		14			
MC	-	75%	0.0		15	13.0 - 15.0': Wet, stiff, brown-red SILT, some fine sand and angular fine		STP_SB-05_14.0-16.0
MC	--	100%	0.1	ML	16	15.0 - 15.8': Moist, medium stiff, brown-gray SILT, some fine sand, little angular fine-medium gravel, trace clay, coarse sand, and cobbles. 15.8 - 16.0': Wet-to-saturated, dark brown-gray SILT and coarse SAND,		
						End of boring at 16 ft bgs.		

SAMPLING METHOD

HC = Hand Cleared (post hole) HS = Hollow S
MC = MacroCore SS = Split Spoon

COMMENTS:

*After completing MacroCore, additional soil volume collected from 0 - 2 ft bgs by stepping out 1-2 feet from original borehole and driving a 3" diameter, 2 ft long split spoon into g

**Monitoring well not installed at this location. Borehole grouted with cement-bentonite grout after drilling.

Soil samples collected for full parameter set homogenized with stainless steel and bowl, soil samples collected for SVOCs, metals, and TCLP metals homogenized using zip lock ba

Trace is defined in soil classification terms as containing 10% or less of a soil component.

PARSONS

Contractor: Aztec	**PARSONS**	**BORING/**	Page 1 of 1
Driller: B. Gannon	**DRILLING RECORD**	**WELL NO.** SB-06	
Oversight: R. Inclima, J. Mikochik	**PROJECT NAME:** NYSDEC - Stewart Park #851060	**Location Description:**	
Rig Type: Geoprobe 3230DT Track Rig	**PROJECT Location:** Corning, NY		

GROUNDWATER OBSERVATIONS			
Apparent Borehole DTW:	N/A		ft bls
Measured Water Level:	N/A		ft bls
Total Depth of Well:	N/A**		ft bls
Additional Comments:			

Drill Start/Finish: 10/28/20 – 1130
Drill Start/Finish: 10/28/20 – 1200
Well Install Start/Finish: N/A

Location Plan

Sample Type	SPT	% Recovery	PID (ppm)	USCS Symbol	Depth (ft bls)	FIELD IDENTIFICATION OF MATERIAL	SCHEMATIC (Drawing Not to Scale)	SOIL SAMPLES
				ML	1	0-0.8': damp, soft, brown SILT, little f-sand and angular f-m gravel and organic material (grass, roots), trace subrounded c-gravel.		STP_SB-06_0.0-0.5 STP_SB-06_0.5-1.0
				SM	2	0.8-1.5': damp-to-dry, loose, brown fine SAND and silt, little c-sand, trace subangular f-gravel.		STP_SB-06_1.0-2.0 (full parameter set)
				SM	3	1.5-2.3': dry-to-damp, medium dense, light brown fine SAND, some silt, little m-sand (dark brown, intermittent lenses), trace subangular m-c gravel.		
					4			
MC	-	45%	0.0		5			
				SM	6	5-5.5': damp, medium dense, light brown fine SAND, some silt, little clay (dark brown clumps) and f-gravel, trace subrounded c-gravel and cobble.		STP_SB-06_5.0-7.0
				GP	7	5.5-6': dry, loose, gray-brown angular medium GRAVEL and silt, some f-sand, little angular-platy c-gravel.		
				ML	8	6-6.8': damp, medium stiff, brown SILT, little clay, c-sand and angular f-gravel.		
				ML	9	6.8-8.5': dry-to-damp, medium stiff, gray-brown SILT, some clay and f-sand, little platy f-m gravel (lens), trace cobble.		
MC	-	70%	0.0		10			
				SM	11	10-11': damp, medium dense, brown fine SAND, some silt, little clay and c-sand, trace angular f-gravel and c-gravel, and cobble (red sandstone).		
				ML	12	11-11.5': dry, soft, light brown-gray SILT, little angular m-gravel, trace subangular c-gravel to cobbles.		
				SM	13	11.5-12': moist, medium dense, brown fine SAND, some silt, little clay, trace subrounded m-c gravel.		STP_SB-06_12.0-14.0
				ML	14	12-15': damp, stiff, brown SILT, some clay, little c-sand to f-gravel, trace angular m-c gravel (platy m-gravel lens ~14.8-15') and waste (brick ~13.2') and cobble.		
MC	-	100%	0.0		15			
				GP	16	15-16': dry, loose, gray-brown platy coarse GRAVEL and silt, some clay, little f-sand, trace subangular m-c gravel.		STP_SB-06_15.0-17.0
MC	-	100%	0.0	ML	17	16-17': damp, stiff, brown SILT, mottled clay (clumps), some f-sand, little angular m-gravel, trace subangular c-gravel.		
						Direct-push refusal at 17'		

SAMPLING METHOD

HC = Hand Cleared (post hole) HS = Hollow S
MC = MacroCore SS = Split Spoon

COMMENTS:

15-17': 3' of sluff, 2' of actual sample.

*After completing MacroCore, additional soil volume collected from 0 - 2 ft bgs by stepping out 1-2 feet from original borehole and driving a 3" diameter, 2 ft long split spoon into g

**Monitoring well not installed at this location - water was not encountered down to refusal depth (17 ft). Borehole grouted with cement-bentonite grout after drilling.

Soil samples collected for full parameter set homogenized with stainless steel and bowl, soil samples collected for SVOCs, metals, and TCLP metals homogenized using zip lock bags.

Trace is defined in soil classification terms as containing 10% or less of a soil component.

Contractor: Aztech
Driller: B. Gannon
Oversight: R. Inclima, J. Mikochik
Rig Type: Geoprobe 3230DT Track Rig

PARSONS
DRILLING RECORD

PROJECT NAME: NYSDEC - Stewart Park #851060
PROJECT Location: Corning, NY

BORING/ WELL NO. SB-07 Page 1 of 1
Location Description:

GROUNDWATER OBSERVATIONS			
Apparent Borehole DTW:	11.5		ft bls
Measured Water Level:	N/A		ft bls
Total Depth of Well:	N/A**		ft bls
Additional Comments:			

Drill Start/Finish: 10/27/20 - 12:36
Drill Start/Finish: 10/27/20 - 13:00
Well Install Start/Finish: N/A

Location Plan

Sample Type	SPT	% Recovery	PID (ppm)	USCS Symbol	Depth (ft bls)	FIELD IDENTIFICATION OF MATERIAL	SCHEMATIC (Drawing Not to Scale)	SOIL SAMPLES
			0.0	ML	1	0 - 0.75': Damp, soft, brown SILT, some fine-medium sand, little organic material (grass, roots) and angular fine gravel, trace clay and subangular medium gravel.		STP_SB-07_0.0-0.5 STP_SB-07_0.5-1.0
			0.0		2	0.75 - 1.75': Dry, soft, light brown SILT, some fine sand, little angular fine gravel and subangular medium gravel, trace clay and subround coarse gravel.		STP_SB-07_1.0-2.0 (full parameter set)
			0.0	CL/ML	3			STP_SB-07_2.0-4.0 + DUP
			0.0		4	1.75 - 5.0': Dry-to-damp, stiff, brown to light brown CLAY and SILT, little embedded subround coarse sand, trace cobbles and fill from 1.75 - 2.5' (ash, coal, brick, slag), faint black staining.		
MC	-	50%	0.0		5			
			0.0	CL/ML	6	5.0 - 7.0': Damp, stiff, brown to light brown CLAY and SILT, little embedded subround coarse sand and subangular coarse gravel.		
			0.0	CL/ML	7	7.0 - 8.5': Damp, medium stiff, gray-brown, CLAY, little silt and fine gravel.		
			0.0	SC	8			
			0.0		9	8.5 - 10.0': Moist, medium dense, brown fine SAND, some clay, little silt.		
MC	-	100%	0.0		10			
			0.0	SC	11	10.0 - 11.5': Moist, medium dense, brown fine SAND and CLAY, little angular fine-medium gravel, trace silt and angular coarse gravel.		STP_SB-07_10.0-12.0
			0.0	SC SP	12			
			0.0	SP	13	11.5 - 15.0': Saturated, loose, brown, fine SAND, little silt and clay (intermittent fines layering), trace medium sand, demonstrates liquefaction.		
			0.0		14			STP_SB-07_13.0-15.0
MC	-	80%	0.0		15			
						End of boring at 15 ft bgs.		

SAMPLING METHOD

HC = Hand Cleared (post hole) HS = Hollow S
MC = MacroCore SS = Split Spoon

COMMENTS:

15-17': 3' of sluff, 2' of actual sample.

*After completing MacroCore, additional soil volume collected from 0 - 2 ft bgs by stepping out 1-2 feet from original borehole and driving a 3" diameter, 2 ft long split spoon into g

**Monitoring well not installed at this location. Borehole grouted with cement-bentonite grout after drilling.

Soil samples collected for full parameter set homogenized with stainless steel and bowl, soil samples collected for SVOCs, metals, and TCLP metals homogenized using zip lock bags.

Trace is defined in soil classification terms as containing 10% or less of a soil component.

PARSONS
DRILLING RECORD

BORING/ WELL NO. SB-08 — Page 1 of 1

Contractor: Aztec
Driller: B. Gannon, M. Deyette
Oversight: J. Mikochik
Rig Type: Geoprobe 3230DT Track Rig

PROJECT NAME: NYSDEC - Stewart Park #851060
PROJECT Location: Corning, NY

Location Description:

GROUNDWATER OBSERVATIONS			
Apparent Borehole DTW:	13		ft bls
Measured Water Level:	7.5		ft bls
Total Depth of Well:	NA**		ft bls
Additional Comments:			

Drill Start/Finish: 10/30/20 8:27
Drill Start/Finish: 10/30/20 9:30
Well Install Start/Finish: Not applicable

Location Plan

Sample Type	SPT	% Recovery	PID (ppm)	USCS Symbol	Depth (ft bls)	FIELD IDENTIFICATION OF MATERIAL	SCHEMATIC (Drawing Not to Scale)	SOIL SAMPLES
MC/SS*		3.5 / 5.0	0.0	ML	1	0.0 - 0.7': Moist, soft, dark brown SILT, little fine sand, trace gravel (TOPSOIL).		STP-SB-08_0.0 - 0.5 STP-SB-08_0.5 - 1.0
			0.0	ML/SM	2	0.7 - 1.5': Moist, medium stiff, dark brown SILT, little fine sand and angular gravel, trace brick and ash.		STP-SB-08_1.0 - 2.0 (full parameter set + MS/MSD)
			0.0		3	1.5 - 5.0': Dry, dense, tan SILT & fine SAND, some to little coarse gravel and cobbles, trace ash-like material.		
			0.0		4			
			0.0		5			
MC		3.3 / 5.0	0.0	ML	6	5.0 - 10.0': Moist to moist-wet, very stiff, gray-brown sandy SILT, some fine-coarse reddish-gray fine-coarse gravel, moist-wet from 8 - 10'.		
			0.0		7			STP-SB-08_5.5-7.5
			0.0		8			
			0.0		9			
			0.0		10			STP-SB-08_9.0-11.0
MC		3.5 / 5.0	0.0	ML	11	10.0 - 13.0': Dry, very stiff, gray-brown sandy SILT, some fine-coarse reddish-gray fine-coarse gravel.		
			0.0		12			
			0.0		13			
			0.0		14	13.0 - 15.0': Moist to wet, very stiff, gray-brown sandy SILT, some fine-coarse reddish-gray fine-coarse gravel.		
			0.0		15			STP-SB-08_14.0-16.0
MC		3.0 / 3.0	0.0	ML	16	15.0 - 16.0': Wet, very stiff, gray-brown SILT.		
			0.0		17	16.0 - 18.0': Dry, very stiff, gray SILT, little fine sand, gravel, and cobbles, trace clay.		
			0.0		18			
					19	Direct-push refusal at 18.0 ft bgs.		
					20			
					21			
					22			
					23			
					24			
					25			

SAMPLING METHOD

HC = Hand Cleared (post hole) HS = Hollow Stem
MC = MacroCore SS = Split Spoon

COMMENTS:

*After completing MacroCore, additional soil volume collected from 0 - 2 ft bgs by stepping out 1-2 feet from original borehole and driving a 3" diameter, 2 ft long split spoon into ground.

**Monitoring well not installed at this location.

After completion, emplaced 1" PVC temporarily in borehole to obtain accurate water level measurement. Water level measured at 7.5' bgs. Removed PVC from open hole after determination made not to move forward with installing monitoring well, and borehole subsequently grouted with cement-bentonite grout.

Soil samples collected for full parameter set homogenized with stainless steel and bowl, soil samples collected for SVOCs, metals, and TCLP metals homogenized using zip lock bags.

Trace is defined in soil classification terms as containing 10% or less of a soil component.

PARSONS

APPENDIX D – TEST PIT LOGS

Note: The term “trace” as it appears in the soil descriptions is specific to the Burmister Soil Classification System whereas trace is indicative of a sample containing 10% or less of a given soil component.

PARSONS

ENVIRONMENTAL TEST PIT LOG

TEST PIT ID: STP-TP-01

Contractor: Aztech
Operator: John Stutzke
Oversight: Matt Colbert
Equipment: Kubota mini excavator
Weather: 45°F, cloudy

PROJECT NAME: NYSDEC - Stewart Park #851060
PROJECT Location: Corning, NY
PROJECT Number: 452202.02000
Date/Time Start: 10/27/20 9:05
Date/Time Finish: 10/27/20 12:45

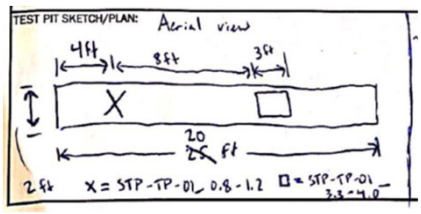
Test Pit Information:
Length: 20 ft
Width: 2 ft
Total Depth: 6 ft
Measured DTW: N/A
Groundwater not observed

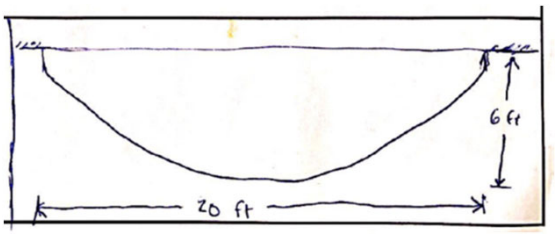
Sample Type	Sample ID	PID (ppm)	USCS Symbol	Depth (ft bls)	FIELD IDENTIFICATION OF MATERIAL	Comments
		4.1	GP	1	0.0 - 0.8': FILL: Moist, brown PEA GRAVEL, SAND, and SILT.	
Soil	STP-TP-01_0.8-1.2				0.8 - 2.0': FILL: Ash and glass (historical) fragments with abundant gravel.	
		0.0	GP	2		
		0.0	GP	3	2.0 - 4.0': FILL: Ash, gravel, glass (historical), ceramics, and red brick.	
Soil	STP-TP-01_3.3-4.0	0.0	GP	4		
		0.0	SM	5	4.0 - 6.0': Silty SAND, some clay.	
		0.0	SM	6		
				7	End of Test Pit at 6.0 ft bgs	
				8		

NOTES: green/white and

mostly opaque. Refer to COC #: Stewart-102720-01. Trace is defined in soil classification terms as containing 10% or less of a soil component.

TEST PIT SKETCH/PLAN:





PHOTOS:



PARSONS

PARSONS

ENVIRONMENTAL TEST PIT LOG

TEST PIT ID: STP-TP-02

Contractor: Aztech
Operator: John Stutzke
Oversight: Matt Colbert
Equipment: Kubota mini excavator
Weather: 52°F, cloudy, wind WSW 6 mph

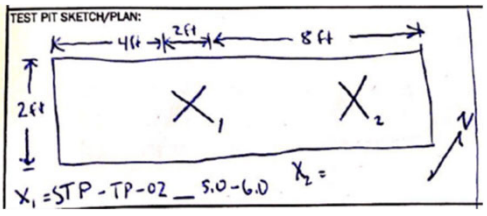
PROJECT NAME: NYSDEC - Stewart Park #851060
PROJECT Location: Corning, NY
PROJECT Number: 452202.02000
Date/Time Start: 10/27/20 13:30
Date/Time Finish: 10/27/20

Test Pit Information:
Length: 14 ft
Width: 2 ft
Total Depth: 7.6 ft
Measured DTW: N/A
Groundwater not observed

Sample Type	Sample ID	PID (ppm)	USCS Symbol	Depth (ft bls)	FIELD IDENTIFICATION OF MATERIAL	Comments
		0.0	ML	1	0.0 - 0.25': TOPSOIL 0.25 - 7.0': Light brown GRAVEL with sand.	
		0.0	GP	2		
		0.8	GP	3		
		0.0	GP	4		
		8.9	GP	5		
Soil	STP-TP-02_5.0-6.0 + MS/MSD, DUP	10.9	GP	6		
		1.9	GP	7		PID reading @ 6.0 ft = 185 ppm / 52.5 ppm
Soil	STP-TP-02_7.0-7.6		GP			
				8	End of Test Pit at ~7.6 ft bgs	

NOTES: Trace is defined in soil classification terms as containing 10% or less of a soil component.

TEST PIT SKETCH/PLAN:





PHOTOS:



PARSONS

PARSONS
ENVIRONMENTAL TEST PIT LOG

TEST PIT ID: STP-TP-03

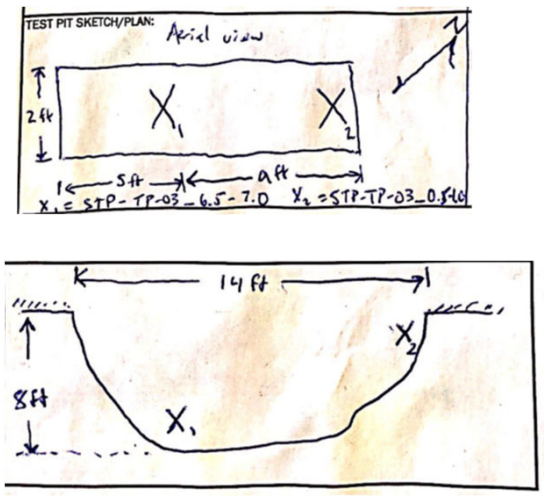
Contractor:	Aztech		
Operator:	John Stutzke	**PROJECT NAME:**	NYSDEC - Stewart Park #851060
Oversight:	Matt Colbert	**PROJECT Location:**	Corning, NY
Equipment:	Kubota mini excavator	**PROJECT Number:**	452202.02000
Weather:	45°F, cloudy, light rain, wind WSW	**Date/Time Start:**	10/28/20 8:20
		Date/Time Finish:	10/28/20 10:10

Test Pit Information:
Length: 14 ft
Width: 2 ft
Total Depth: 8 ft
Measured DTW: N/A
Groundwater not observed

Sample Type	Sample Information (Sample ID, Depth Interval, Time)	PID (ppm)	USCS Symbol	Depth (ft bls)	FIELD IDENTIFICATION OF MATERIAL	Comments
		0.0	ML		0.0 - 0.5': TOPSOIL	
Soil	STP-TP-03_0.5-1.0		GW	1	0.5 - 2.0': Light brown GRAVEL & SAND, some silt.	
		0.0	GW	2		
		0.0	ML	3	2.0 - 3.0': Light brown, sandy SILT, some gravel.	
		0.0	ML	4	3.0 - 5.0': Light brown, sandy SILT, little gravel.	
		0.0	ML	5		
		0.0	SM	6	5.0 - 8.0': Moist, brown, silty SAND.	
		0.0	SM			
Soil	STP-TP-03_6.5-7.0			7		
		0.0	SM	8		

NOTES: Trace is defined in soil classification terms as containing 10% or less of a soil component.

TEST PIT SKETCH/PLAN:



PHOTOS:



PARSONS

PARSONS

ENVIRONMENTAL TEST PIT LOG

TEST PIT ID: STP-TP-04

Contractor:	Aztech		
Operator:	John Stutzke	**PROJECT NAME:**	NYSDEC - Stewart Park #851060
Oversight:	Matt Colbert	**PROJECT Location:**	Corning, NY
Equipment:	Kubota mini excavator	**PROJECT Number:**	452202.02000
Weather:	46°F, cloudy, wind WSW 2 mph	**Date/Time Start:**	10/28/20 11:05
		Date/Time Finish:	10/28/20 13:20

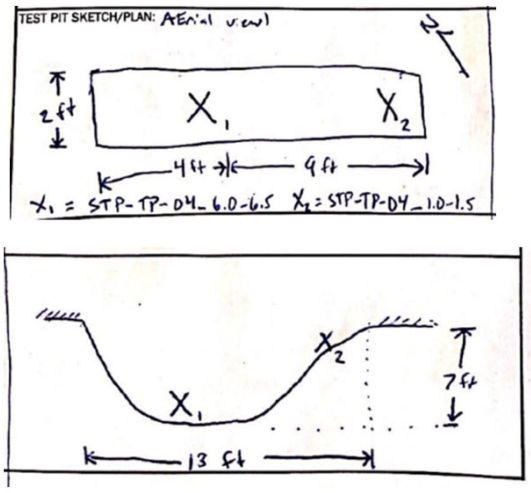
Test Pit Information:

Length:	13 ft
Width:	2 ft
Total Depth:	7 ft
Measured DTW:	N/A
	Groundwater not observed

Sample Type	Sample Information (Sample ID, Depth Interval, Time)	PID (ppm)	USCS Symbol	Depth (ft bls)	FIELD IDENTIFICATION OF MATERIAL	Comments
		0.0	ML GW	1	0.0 - 0.3': TOPSOIL 0.3 - 2.0': Light brown GRAVEL & SAND.	
Soil	STP-TP-04_1.0-1.5	0.0	GW	2		
		0.0	ML	3	2.0 - 5.0': Gray Clayey SILT with orange mottling, some gravel and cobbles.	
		0.0	ML	4		
		0.0	ML	5		
		0.0	CL	6	5.0 - 7.0': Dry, gray-blue CLAY w/ orange mottling, some silt, trace cobbles.	
Soil	STP-TP-04_6.0-6.5	0.0	CL	7		
				8	End of Test Pit at 7.0 ft bgs	

NOTES: Trace is defined in soil classification terms as containing 10% or less of a soil component.

TEST PIT SKETCH/PLAN:



PHOTOS:



APPENDIX E – ARCHIVE SAMPLE LOGS

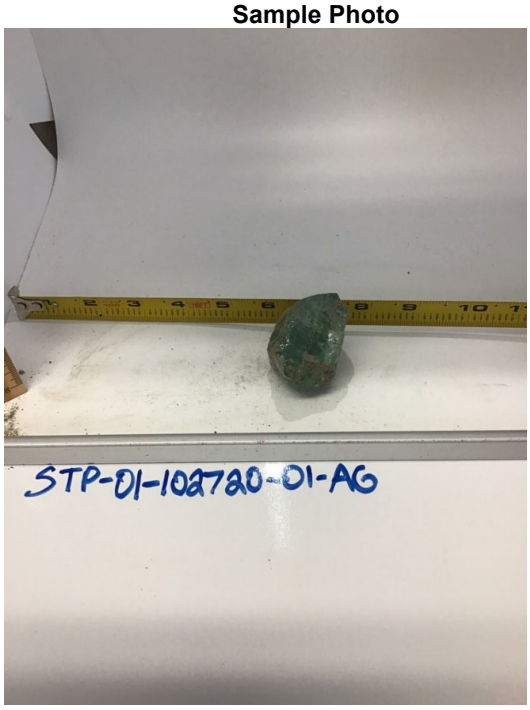
PARSONS
GLASS ARCHIVE SAMPLE RECORD

SITE NAME: Stewart Park
SAMPLE ID: STP-TP-01-102720-01-AG
SAMPLE LOCATION: TP-01
DATE COLLECTED: 10/27/2020

ARCHIVE SAMPLE DESCRIPTION

DIMENSIONS (INCHES): 2 X 2 X 1.25
SHAPE: Irregular
COLOR: Green, one end whitish
OPACITY: Mostly opaque
FRACTURE/ANGULARITY: Yes
UV/FLUORESCENCE TESTING: Does not fluoresce
OTHER:

Sample Photo



UV/Detail Photo

COMMENTS / MISCELLANEOUS

APPENDIX F – WELL DEVELOPMENT LOGS AND GROUNDWATER SAMPLING LOGS

WELL DEVELOPMENT LOG

Date	10/30/2020	Field Personnel	JM, BG, MD	Weather	37° F, cloudy
Site Name	NYSDEC - Stewart Park #851060	Contractor/Driller	Aztech	Well #	MW-01*
Site Location	Corning, NY	Evacuation Method	Waterra	Date Installed:	10/28/2020

Well information:

Depth to bottom (initial)	18.20 ft.	Measurements taken from:	TOC
Depth to bottom (final)	18.20 ft.	Well Diameter:	2 in.
Depth to water (initial)	13.1 ft.	Casing volume:	0.83 gal.
Depth to water (final)	14.68 ft.	Pump setting intake:	~17.9 ft.

Start development time: 10:30
End development time: 12:50
Total time: 140 min.

Time	Cumulative Volume Water Removed (Gal)	Temp (celsius)	pH (s.u)	Conductivity (ms/cm)	Turbidity (NTU)	Approximate Flow Rate (GPM)	Depth to Water (feet)	Appearance of Water
10:35	1.0	12.03	7.45	0.342	> 1,000	0.21	13.60	brown, turbid
10:48	3.0	11.96	7.36	0.168	700	0.16	14.00	cloudy
11:51	7.8	11.88	7.3	0.16	> 1,000	0.08	14.35	turbid
12:40	11.7	--	--	--	60.0	0.08	--	clear
12:50	12.4	13.43	6.09	0.150	55.5	0.08	14.68	clear

Development water characteristics:

Total volume of water removed: ~12.4 gal

Physical appearance at start:		Physical appearance at stop:	
Color	brown, turbid	Color	clear
Odor	none	Odor	none
Sheen/Free Product	none	Sheen/Free Product	none

Notes *Formerly MW-02 on original plan.

PARSONS

WELL DEVELOPMENT LOG

Date	11/2/2020	Field Personnel	JM, BG, MD	Weather	Sunny, 30's, windy
Site Name	NYSDEC - Stewart Park #851060	Contractor/Driller	Aztech	Well #	MW-02*
Site Location	Corning, NY	Evacuation Method	Waterra	Date Installed:	10/29/2020

Well information:

Depth to bottom (initial)	16.65 ft.	Measurements taken from:	TOC**
Depth to bottom (final)	16.65 ft.	Well Diameter:	2 in.
Depth to water (initial)	11.41 ft.	Casing volume:	0.85 gal.
Depth to water (final)	15.42 ft.	Pump setting intake:	~16.4 ft.

Start development time: 13:25
End development time: 16:30
Total time: 181 min (11/2/2020)

Time	Cumulative Volume Water Removed (Gal)	Temp (celsius)	pH (s.u)	Conductivity (ms/cm)	Turbidity (NTU)	Approximate Flow Rate (GPM)	Depth to Water (feet)	Appearance of Water
13:31	1.3	13.18	6.67	0.662	> 1,000	0.21	14.75	brown, turbid
13:45	4.2	11.94	7.21	0.521	312	0.21	16.00	cloudy
13:56	5.3	Pump ran dry. Let recharge.				0.10	16.40	cloudy
14:51	5.3	Resume purging.				0.10	15.07	cloudy
14:56	5.8	8.21	7.56	0.54	141	0.10	15.82	slightly cloudy
15:02	6.4	Pump ran dry. Let recharge. Resume at 16:30				0.10	16.40	slightly cloudy
16:30	6.5	--	--	--	--	0.10	15.42	clear

Development water characteristics:

Total volume of water removed: ~6.5 (11/2/2020)

Physical appearance at start:		Physical appearance at stop:	
Color	brown, turbid	Color	clear
Odor	none	Odor	none
Sheen/Free Product	none	Sheen/Free Product	faint

Notes

*Formerly MW-04 on original plan.
**well surface not yet completed - PVC is ~1 ft above grade. To be cut below grade and converted into flush mount.
Stopped purging at 16:30 on 11/2/2020 due to time. Resume again on 11/11/2020.

PARSONS

WELL DEVELOPMENT LOG

Date	11/11/2020	Field Personnel	JM, BG, MD	Weather	65° F, light rain
Site Name	NYSDEC - Stewart Park #851060	Contractor/Driller	Aztech	Well #	MW-02*
Site Location	Corning, NY	Evacuation Method	Waterra	Date Installed:	10/29/2020

Well information:

Depth to bottom (initial)	15.45 ft.	Measurements taken from:	TOC
Depth to bottom (final)	15.45 ft.	Well Diameter:	2 in.
Depth to water (initial)	5.34 ft.	Casing volume:	1.65 gal.
Depth to water (final)	ft.	Pump setting intake:	~15.2 ft.

Start development time: 14:44
End development time: 16:40
Total time: 297 min (11/2/2020 & 11/11/2020)

Time	Cumulative Volume Water Removed (Gal)**	Temp (celsius)	pH (s.u)	Conductivity (ms/cm)	Turbidity (NTU)	Approximate Flow Rate (GPM)	Depth to Water (feet)	Appearance of Water
14:46	6.8	--	5.51	0.674	104	0.16	5.95	slightly cloudy
15:08	10.2	--	6.59	0.609	162	0.16	9.08	slightly cloudy
15:20	12.7	11.70	Pump ran dry. Let recharge, resume at 15:42			0.21	15.20	slightly cloudy
15:42	12.7	11.25	7.27	0.576	> 1,000	0.07	12.07	cloudy to turbid
15:54	14.3	--	--	--	--	0.13	--	cloudy to turbid
16:11	15.6	11.51	6.20	0.550	129	0.08	14.85	cloudy to clear
16:22	16.4	--	Pump ran dry. Let recharge, resume at 16:36			0.08	15.20	slightly cloudy
16:36	16.4	--	--	--	--	0.08	14.95	clear
16:40	16.7	11.27	6.50	0.529	122	0.08	15.20	clear

Development water characteristics:

Total volume of water removed: 16.8 gal (11/2/2020 & 11/11/2020)

Physical appearance at start:		Physical appearance at stop:	
Color	slightly cloudy	Color	clear
Odor	none	Odor	none
Sheen/Free Product	faint	Sheen/Free Product	none

Notes

*Formerly MW-04 on original plan.
**Previously purged ~6.5 gal on 11/2/2020.
@16:36, purge momentarily to obtain final reading. Pump ran dry at 16:40 - finished development after purging ~10 gal.

PARSONS

Low Flow Ground Water Sampling Log

Date	11/25/2020	Personnel	Jim Mikochik	Weather	Cloudy, 38° F
Site Name	NYSDEC - Stewart Park #851060	Evacuation Method	peristalic pump	Well #	MW-01*
Site Location	Corning, NY	Sampling Method	low flow	Project #	452202.02000

Well information:

Depth of Well	18.2 ft.	*Measurements taken from:	
Depth to Water	13.2 ft.	x	Top of Well Casing
H_{wc}	5 ft.		Top of Protective Casing
Depth to Intake	~16.2 ft.		(Other, Specify)

Start Purge Time: 08:17

		10%	0.1	3%	10 mV	10%	10%	100 - 500 mL/min
Time	**Depth to Water (ft)**	**Temperature (celsius)**	**pH**	**Conductivity (ms/cm)**	**Oxidation Reduction Potential**	**Dissolved Oxygen (mg/L)**	**Turbidity (NTU)**	**Flow Rate (mL/min)**
8:21	13.26	--	--	--	--	--	--	125
8:40	13.28	6.98	5.16	0.161	245	8.04	0.00	100
8:41	Pump flow issues - switch to car battery and resume purging at 08:50							
8:52	--	10.68	6.03	0.149	153	6.11	0.00	160
9:00	13.31	12.03	6.03	0.139	156	6.39	0.00	200
9:05	13.32	12.28	6.04	0.138	160	6.28	0.00	200
9:15	13.33	12.45	6.06	0.136	161	6.30	0.00	200
9:20	13.34	12.47	6.06	0.135	164	6.44	0.00	200
9:25	13.34	12.47	6.05	0.134	167	6.39	0.00	200

End Purge Time: 09:25

Water Sample

Time Collected: 09:35

Total volume of purged water removed: ~3.0 (gallons)

Physical appearance at start:

Color clear
Odor none
Sheen/Free Product none

Physical appearance at start:

Color clear
Odor none
Sheen/Free Product none

Samples:

STP-MW-01_112520 Normal Sample, MS/MSD
STP-MW-01_112520DUP Duplicate sample

Comments:

*Formerly well MW-02 on original plan.
PID reading from well headspace = 0.0 ppm

Sample	Container Type	# Containers	Field Filtered	Preservative	Container pH
PFAS	Plastic 250mL	8	no	None	N/A
VOCs	VOAS - 40mL	12	no	HCL	N/A
SVOCs	Amber 250 mL	8	no	None	N/A
SVOCs + 1,4-Dioxane	Amber 1 L	8	no	None	N/A
TAL Metals + B, Hg	Plastic 125 mL	8	no	HN03	N/A
Pesticides	Amber 250 mL	8	no	None	N/A
PCBs	Amber 250 mL	8	no	None	N/A
Herbicides	Amber 1 L	8	no	None	N/A
TPH	Amber 250 mL	4	no	HCL	N/A

Low Flow Ground Water Sampling Log

Date	11/30/2020	Personnel	Jim Mikochik	Weather	Cloudy, high 40's, windy
Site Name	NYSDEC - Stewart Park #851060	Evacuation Method	peristalic pump	Well #	MW-02*
Site Location	Corning, NY	Sampling Method	low flow	Project #	452202.02000

Well information:

Depth of Well	15.45 ft.	*Measurements taken from:		
Depth to Water	4.83 ft.		x	Top of Well Casing
H_{wc}	10.62 ft.			Top of Protective Casing
Depth to Intake	~13.45 ft.			(Other, Specify)

Start Purge Time: 12:06

		10%	0.1	3%	10 mV	10%	10%	100 - 500 mL/min
Time	**Depth to Water (ft)**	**Temperature (celsius)**	**pH**	**Conductivity (ms/cm)**	**Oxidation Reduction Potential**	**Dissolved Oxygen (mg/L)**	**Turbidity (NTU)**	**Flow Rate (mL/min)**
12:20	5.49	--	--	--	--	--	--	100
12:30	5.70	11.03	6.59	0.684	182	6.55	0.00	100
12:35	6.08	11.15	6.84	0.677	174	6.44	0.00	100
12:40	6.18	11.22	6.89	0.680	172	6.39	0.00	100
12:50	6.50	11.46	6.97	0.682	168	6.45	0.00	100
12:55	6.60	11.55	7.00	0.681	167	6.40	0.00	100
13:00	6.74	11.59	7.01	0.682	166	6.36	0.00	100

End Purge Time: 13:00

Water Sample

Time Collected: 13:05

Total volume of purged water removed: ~1.5 (gallons)

Physical appearance at start:

Color clear
Odor none
Sheen/Free Product none

Physical appearance at start:

Color clear
Odor none
Sheen/Free Product none

Samples:

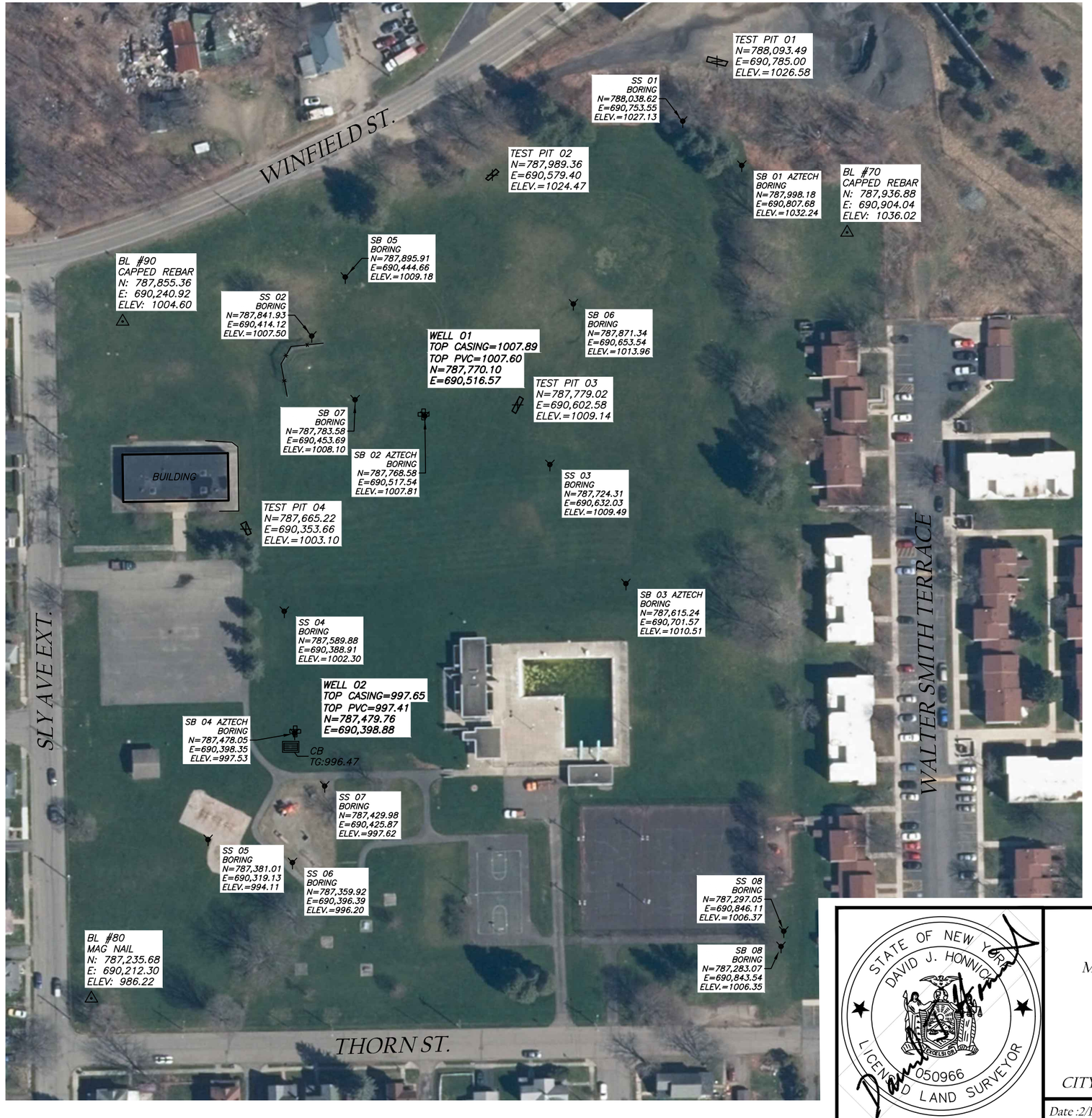
STP-MW-02_113020 Normal Sample

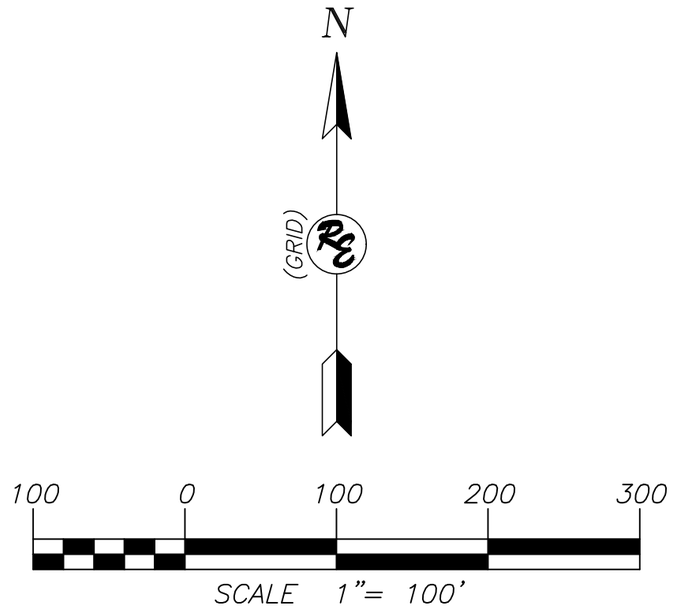
Comments:

*Formerly well MW-04 on original plan.
PID reading from well headspace = 0.0 ppm

Sample	Container Type	# Containers	Field Filtered	Preservative	Container pH
PFAS	Plastic 250mL	2	no	None	N/A
VOCs	VOAS - 40mL	3	no	HCL	N/A
SVOCs	Amber 250 mL	2	no	None	N/A
SVOCs + 1,4-Dioxane	Amber 1 L	2	no	None	N/A
TAL Metals + B, Hg	Plastic 125 mL	2	no	HN03	N/A
Pesticides	Amber 250 mL	2	no	None	N/A
PCBs	Amber 250 mL	2	no	None	N/A
Herbicides	Amber 1 L	2	no	None	N/A
TPH	Amber 250 mL	1	no	HCL	N/A

APPENDIX G – TOPOGRAPHICAL SURVEY INFORMATION





SURVEY NOTES:

1. HORIZONTAL COORDINATE SYSTEM: N.A.D. '83(2011) N.Y.S.P.C.S. CENTRAL ZONE, US FOOT.
2. VERTICAL COORDINATE SYSTEM: N.A.V.D. '88.
3. FIELD WORK COMPLETED ON NOVEMBER 23, 2020 BY RAVI ENGINEERING AND LAND SURVEYING WITH CLEAR SITE CONDITIONS.

WE, RAVI ENGINEERING AND LAND SURVEYING, HEREBY CERTIFY THAT THIS SURVEY PLAN WAS PREPARED FROM THE NOTES OF A INSTRUMENT SURVEY COMPLETED BY RAVI ENGINEERING & LAND SURVEYING, P.C. ON NOVEMBER 23, 2020 AND FROM THE REFERENCES NOTED HEREON.

David J. Honnick 2-1-2021

STATE OF NEW YORK
DAVID J. HONNICK
050966
LICENSED LAND SURVEYOR

SURVEY PLAN SHOWNING

MONITORING WELLS, SOIL BORINGS & TEST PIT LOCATIONS
LOCATED AT
Stewart Park
PREPARED FOR
PARSONS CORPORATION
CITY OF CORNING, STEUBEN COUNTY, NEW YORK

Date :2/1/2021	Drawn By: DJH	Scale : 1" =100'	Project # 23-20-082G

RAVI ENGINEERING & LAND SURVEYING, P.C.
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APPENDIX H – DATA USABILITY SUMMARY REPORT

DATA USABILITY SUMMARY REPORT

STEWART PARK

SITE NUMBER 851060

Prepared For:

New York State Department of Environmental Conservation
Division of Environmental Remediation
625 Broadway, 12th Floor
Albany, NY 12233-7012

Prepared By:

301 Plainfield Road, Suite 350
Syracuse, New York 13212

APRIL 2021

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LIST OF ATTACHMENTS

ATTACHMENT A – VALIDATED LABORATORY DATA

Attachment A-1 Validated Laboratory Data for Soil Samples

Attachment A-2 Validated Laboratory Data for Groundwater Samples

Attachment A-3 Validated Laboratory Data for Field QC Blank Samples

SECTION 1 DATA USABILITY SUMMARY

Soil and groundwater samples were collected from the Stewart Park site on October 27, 2020 through November 30, 2020. Analytical results from these samples were validated and reviewed by Parsons for usability with respect to the following requirements:

- Project Work Plan,
- USEPA analytical methodologies,
- USEPA Region II Standard Operating Procedures (SOPs) for organic and inorganic data review, and
- *Sampling, Analysis, and Assessment of Per- and Polyfluoroalkyl Substances (PFAS) Under NYSDEC's Part 375 Remedial Programs*, dated January 2021.

The analytical laboratory for this project was ALS in Rochester, New York, Middletown, Pennsylvania, and Kelso, Washington. This laboratory is certified to perform project analyses through the New York State Department of Health (NYSDOH) Environmental Laboratory Approval Program (ELAP).

1.1 Laboratory Data Packages

The laboratory data package turnaround time, defined as the time from sample receipt by the laboratory to receipt of the analytical data packages by Parsons, was 18-49 days for the project samples. The data packages received from the laboratory were paginated, complete, and overall were of good quality. Comments on specific quality control (QC) and other requirements are discussed in detail in the attached data validation report which is summarized in Section 2.

1.2 Sampling and Chain-of-Custody

The samples were collected, properly preserved, shipped under a chain-of-custody (COC) record, and received at the laboratory within one to two days of sampling. All samples were received intact and in good condition at the laboratory.

1.3 Laboratory Analytical Methods

The soil samples that were collected from the site were analyzed for volatile organic compounds (VOCs), semivolatile organic compounds (SVOCs) including 1,4-dioxane, pesticides, polychlorinated biphenyls (PCBs), herbicides, per- and polyfluoroalkyl substances (PFAS), metals including hexavalent chromium, toxicity characteristic leaching procedure (TCLP) metals, cyanide, and silica gel treated n-hexane extractable material (SGT-HEM) total petroleum hydrocarbons (TPH). The groundwater samples that were collected from the site were analyzed for VOCs, SVOCs including 1,4-dioxane, pesticides, PCBs, herbicides, PFAS, metals, and SGT-HEM TPH. Summaries of issues concerning these laboratory analyses are presented in Subsections 1.3.1 through 1.3.6. The data qualifications resulting from the data validation review and statements on the laboratory analytical precision, accuracy, representativeness, completeness, comparability, and sensitivity (PARCCS) are discussed in Section 2. The laboratory data were reviewed and may be qualified with the following validation flags:

"U" - not detected at the value given,
"UJ" - estimated and not detected at the value given,
"J" - estimated at the value given,

"J+" - estimated biased high at the value given,
"J-" - estimated biased low at the value given,
"N" - presumptive evidence at the value given, and
"R" - unusable value.

The validated laboratory data were tabulated and are presented in Attachment A.

1.3.1 Volatile Organic Analysis

The project samples were analyzed for VOCs using the USEPA SW-846 8260C analytical method. Certain reported results for these samples were qualified as estimated based upon instrument calibrations and internal standard responses; and qualified as not detected based upon blank contamination. The reported VOC analytical results were 100% complete (i.e., usable) for the project data presented by the laboratory. PARCCS requirements were met.

1.3.2 Semivolatile Organic Analysis

The project samples were analyzed for SVOCs including 1,4-dioxane using the USEPA SW-846 8270D/8270D SIM analytical method. Certain reported results for these samples were qualified as estimated based upon sample surrogate recoveries, matrix spike/matrix spike duplicate (MS/MSD) recoveries, laboratory control sample (LCS) recoveries, instrument calibrations, and field duplicate precision; and qualified as not detected based upon blank contamination. The reported SVOC analytical results were considered 100% complete (i.e., usable) for the project data presented by the laboratory. PARCCS requirements were met.

1.3.3 Pesticide, PCB, and Herbicide Organic Analysis

The project samples were analyzed for pesticides, PCBs, and herbicides using the USEPA SW-846 8081B/8082A/8151A analytical methods. Certain reported results for these samples were qualified as estimated based upon MS/MSD recoveries, LCS recoveries, instrument calibrations, and sample result identification. The reported pesticide, PCB, and herbicide analytical results were considered 100% complete (i.e., usable) for the project data presented by the laboratory. PARCCS requirements were met.

1.3.4 PFAS Organic Analysis

The project samples were analyzed for PFAS using the modified USEPA 537.1 analytical method. Certain reported results for these samples were qualified as estimated based upon MS/MSD recoveries and instrument calibrations; and qualified as not detected based upon blank contamination. The reported PFAS analytical results were considered 100% complete (i.e., usable) for the project data presented by the laboratory. PARCCS requirements were met.

1.3.5 Inorganic Analysis

Soil samples were analyzed for metals, hexavalent chromium, TCLP metals, and cyanide using the USEPA SW-846 6010C, 7470A, 7471B, 7199, and 9012B analytical methods. Groundwater samples were analyzed for metals using the USEPA SW-846 6010C and 7470A analytical methods. Certain reported results for these samples were qualified as estimated based upon sample holding times, MS/MSD recoveries, laboratory duplicate precision, and serial dilutions; and qualified as not detected based upon blank contamination. The

reported inorganic analytical results were considered 100% complete (i.e., usable) for the project data presented by the laboratory. PARCCS requirements were met.

1.3.6 TPH Analysis

The project samples were analyzed for SGT-HEM TPH using the USEPA 1664 analytical method. Certain reported results for these samples were qualified as not detected based upon blank contamination. The reported TPH analytical results were considered 100% complete (i.e., usable) for the project data presented by the laboratory. PARCCS requirements were met

SECTION 2 DATA VALIDATION REPORT

2.1 SOIL SAMPLES

Data review has been completed for data packages containing soil samples collected from the site. Analytical results from these samples were contained within sample delivery groups (SDGs) R2010127, R2010128, R2010129, R2010130, R2010183, R2010184, R2010263, R2010264, R2010282, R2010284, R2010721, and R2010722. All of these samples were properly preserved, shipped under a COC record, and received intact by the analytical laboratory.

Data validation was performed for all samples in accordance with the most current editions of the USEPA Region II SOPs for organic and inorganic data review, analytical methodologies, and the *Sampling, Analysis, and Assessment of Per- and Polyfluoroalkyl Substances (PFAS) Under NYSDEC's Part 375 Remedial Programs*, dated January 2021. The validated laboratory data are presented in Attachments A-1 and A-3. Certain samples may have required dilution prior to analysis based upon sample matrix, color of extract, or large concentrations of target or non-target analytes. This data validation and usability report is presented by analysis type.

2.1.1 Volatiles

The following items were reviewed for compliancy in the volatile analysis:

- Custody documentation
- Holding times
- Surrogate recoveries
- Matrix spike/matrix spike duplicate (MS/MSD) precision and accuracy
- Laboratory control sample (LCS) recoveries
- Laboratory method blank and field QC equipment blank contamination
- GC/MS instrument performance
- Initial and continuing calibrations
- Internal standard area counts and retention times
- Sample result verification and identification
- Field duplicate precision
- Quantitation limits
- Data completeness

These items were considered compliant and acceptable in accordance with the validation protocols with the exception of MS/MSD precision and accuracy, LCS recoveries, blank contamination, continuing calibrations, and internal standard responses as discussed below.

MS/MSD Precision and Accuracy

All MS/MSD precision (relative percent difference; RPD) and accuracy (percent recovery; %R) measurements were considered acceptable and within QC limits for designated spiked project samples with the exception of the high MS/MSD accuracy results for acetone (332%R/345%R; QC limit 11-183%R) and trichlorofluoromethane (186%R/184%R; QC limit 47-129%R) during the spiked analyses of sample STP-TP-02-5.0-6.0; the high MS/MSD accuracy results for trichlorofluoromethane (191%R/192%R; QC limit 47-129%R) and the high MS accuracy result for bromomethane (165%R; QC limit 10-150%R) during the spiked analyses of sample STP-SB-08-1.0-2.0; and the high MS/MSD accuracy results for acetone (1022%R/957%R; QC limit 11-183%R) during

the spiked analyses of sample STP-SS-01. Validation qualification was not required for the affected parent samples.

LCS Recoveries

All LCS recoveries were considered acceptable and within QC limits with the exception of the high LCS recoveries for trichlorofluoromethane (140%R; QC limit 52-127%R) associated with samples STP-TP-01-0.8-1.2, STP-TP-02-5.0-6.0, STP-SB-05-1.0-2.0, and STP-SB-02-1.0-2.0; the 1,1-dichloroethene (116%R; QC limit 65-115%R), carbon tetrachloride (127%R; QC limit 51-123%R); and trichlorofluoromethane (166%R, 141%R; QC limit 52-127%R) associated with samples STP-TP-03-0.5-1.0, STP-TP-04-6.0-6.5, STP-SB-07-1.0-2.0, and samples in SDGs R2010183, R2010263, and R2010282; 1,1,2,2-tetrachloroethane (127%R; QC limit 78-126%R) associated with sample STP-EB-01-102720; and cyclohexane (135%R; QC limit 69-120%R) and methylcyclohexane (130%R; QC limit 51-129%R) associated with sample STP-EB-01-111020. Validation qualification was not required for the affected samples.

Blank Contamination

The laboratory method blanks associated with samples STP-EB-02-102720 and STP-EB-01-102720 contained chloromethane below the reporting limit at concentrations of 0.72 and 0.60 µg/L; the QC equipment blank STP-EB-02-102720 contained chloroform and chloromethane at concentrations of 2.8 and 0.35 µg/L, respectively; the QC equipment blank STP-EB-01-102720 contained chloromethane below the reporting limit at a concentration of 0.35 µg/L; and the laboratory method blank associated with samples in SDG 2010282 contained trichloroethene below the reporting limit at a concentration of 0.22 µg/kg. Therefore, results for these compounds less than validation action concentrations were considered not detected and qualified "U" for the affected samples.

Continuing Calibrations

All continuing calibration compounds were compliant with minimum relative response factors (RRFs) of 0.05 (0.01 for poor performers) and maximum percent differences (%Ds) within ±20% (±40% for poor performers) with the exception of 1,2-dichloroethane (21.7%D) and bromomethane (24.9%D) in the continuing calibration associated with samples STP-TP-01-0.8-1.2, STP-TP-02-5.0-6.0, STP-SB-05-1.0-2.0, and STP-SB-02-1.0-2.0; bromomethane (32.5%D), carbon tetrachloride (23.7%D), and trichlorofluoromethane (50.7%D) in the continuing calibrations associated with samples STP-TP-03-0.5-1.0, STP-TP-04-6.0-6.5, STP-SB-07-1.0-2.0, and samples in SDGs R2010183 and R2010263; methyl acetate (24.1%D) in the continuing calibration associated with sample STP-EB-01-102720; bromomethane (43.1%D), tetrachloroethene (21.8%D), and trichlorofluoromethane (58.1%D) in the continuing calibration associated with samples in SDG R2010282; 1,2-dibromo-3-chloropropane (-21.4%D) in the continuing calibration associated with sample STP-EB-01-111020; carbon disulfide (38.2%D, 23.8%D) in the continuing calibrations associated with all samples in SDG R2010721 except STP-SS-01; and bromomethane (33.2%D) in the continuing calibration associated with sample STP-SS-01. Therefore, results for these compounds were considered estimated with positive results qualified "J" and nondetected results qualified "UJ" for the affected samples.

Internal Standard Responses

All internal standard (IS) responses and retention times were within specified QC ranges based on associated calibration standards (i.e., sample's area count within -50% to +100% and retention times within ±0.5 minutes of the standard) with the exception of the low response for IS 1,4-dichlorobenzene-d4 in sample STP-TP-01-0.8-1.2. This sample was reanalyzed and yielded similar IS responses confirming the presence of matrix effects. Therefore, associated results which were nondetects were considered estimated and qualified "UJ" for the affected sample.

Usability

All volatile soil sample results were considered usable following data validation.

Summary

The quality assurance objectives for measurement data included considerations for precision, accuracy, representativeness, completeness, comparability, and sensitivity. The volatile soil data presented by the laboratory were 100% complete (i.e., usable). The validated volatile laboratory data are tabulated and presented in Attachments A-1 and A-3.

2.1.2 Semivolatiles (Including 1,4-Dioxane)

The following items were reviewed for compliancy in the semivolatile analysis:

- Custody documentation
- Holding times
- Surrogate recoveries
- Matrix spike/matrix spike duplicate (MS/MSD) precision and accuracy
- Laboratory control sample (LCS) recoveries
- Laboratory method blank and field QC equipment blank contamination
- GC/MS instrument performance
- Initial and continuing calibrations
- Internal standard area counts and retention times
- Sample result verification and identification
- Field duplicate precision
- Quantitation limits
- Data completeness

These items were considered compliant and acceptable in accordance with the validation protocols with the exception of surrogate recoveries, MS/MSD precision and accuracy, LCS recoveries, blank contamination, continuing calibrations, and field duplicate precision as discussed below.

Surrogate Recoveries

All sample surrogate recoveries were considered acceptable and within QC limits with the exception of the low surrogate recoveries for 2-fluorobiphenyl (QC limit 31-118%R) and nitrobenzene-d5 (QC limit 31-110%R) in sample STP-EB-01-111020 (22%R and 17%R, respectively). Therefore, base-neutral results which were nondetects were considered estimated and qualified "UJ" for the affected sample.

MS/MSD Precision and Accuracy

All MS/MSD precision (relative percent difference; RPD) and accuracy (percent recovery; %R) measurements were considered acceptable and within QC limits for designated spiked project samples with the exception of the low MS/MSD accuracy results for 3,3'-dichlorobenzidine (6%R/2%R; QC limit 25-121%R) during the spiked analyses of sample STP-TP-02-5.0-6.0; the low MS/MSD accuracy results for 1,4-dioxane (0%R/131%R; QC limit 13-91%R), 3,3'-dichlorobenzidine (0%R/0%R; QC limit 25-121%R), 4-chloroaniline (0%R/0%R; QC limit 10-91%R), and benzo(a)anthracene (-39%R/-48%R; QC limit 10-120%R) during the spiked analyses of sample STP-SB-02-0.5-1.0; the low MS/MSD accuracy results for 3,3'-dichlorobenzidine (0%R/0%R; QC limit 25-121%R) during the spiked analyses of sample STP-SB-01-1.0-2.0; the low MS/MSD accuracy results for 3,3'-dichlorobenzidine (0%R/0%R; QC limit 25-121%R) and caprolactam (23%R/35%R; QC limit 36-111%R) during the spiked analyses of sample STP-SB-01-5.0-7.0; the low MS/MSD accuracy results for 3,3'-dichlorobenzidine (7%R/3%R; QC limit 25-121%R) and caprolactam (19%R/17%R; QC limit 36-111%R) during the spiked analyses of sample STP-SB-08-1.0-2.0; the high MS/MSD accuracy results for 1,4-dioxane (142%R/193%R; QC limit 13-

91%R) during the spiked analyses of sample STP-SB-08-5.5-7.5; and the 0% MS/MSD accuracy results for 3,3'-dichlorobenzidine, 3-nitroaniline, 4-chloroaniline, and 4-nitroaniline during the spiked analyses of sample STP-SS-01. Therefore, results for those compounds where MS/MSD accuracy results fell below the QC limit were considered estimated with positive results qualified "J" and nondetected results qualified "UJ" for the affected parent sample. Positive results for those compounds where MS/MSD accuracy results exceeded the QC limit were considered estimated and qualified "J" for the affected parent sample.

LCS Recoveries

All LCS recoveries were considered acceptable and within QC limits with the exception of the LCS recoveries for 4-chloroaniline (33%R; QC limit 44-109%R) associated with samples STP-EB-02-102720, STP-EB-01-102720, and STP-EB-04-102820; 3-nitroaniline (72%R 78%R, 70%R; QC limit 22-69%R) associated with samples with lab IDs R2010127-001 through -004, -006, R2010129-001 through -016, -018, R2010263-011, -012, and R2010282-003; acetophenone (32%R; QC limit 36-106%R), 2,2'-oxybis(1-chloropropane) (28%R; QC limit 32-112%R), bis(2-chloroethoxy)methane (35%R; QC limit 38-133%R), and isophorone (31%R; QC limit 37-145%R) associated with samples with lab IDs R2010127-007, -008, -010, -011, R2010129-019, -021, and R2010183-001 through -009; 3-nitroaniline (77%R, 81%R; QC limit 22-69%R), 4-chloroaniline (82%R; QC limit 12-78%R), and di-n-octylphthalate (196%R; QC limit 39-130%R) associated with samples with lab IDs R2010183-010 through -013 and all samples in SDG R2010263 except for samples with lab IDs R2010263-011 and -012; 1,4-dioxane (22%R; QC limit 24-101%R) and 3-nitroaniline (74%R; QC limit 22-69%R) associated with samples with lab IDs R2010282-001, -002, -005, and -007; 1,4-dioxane (185%R, 179%R; QC limit 24-101%R) and 3-nitroaniline (72%R; QC limit 22-69%R) associated with samples with lab IDs R2010282-004 and -006; 2,4-dimethylphenol (54%R, 56%R; QC limit 59-113%R), 2-chlorophenol (35%R; QC limit 42-112%R), benzaldehyde (42%R; QC limit 45-132%R), bis(2-chloroethyl)ether (43%R; QC limit 46-102%R), hexachlorocyclopentadiene (4%R; QC limit 10-99%R), and nitrobenzene (41%R; QC limit 46-108%R) associated with sample STP-EB-01-111020. Therefore, results for those compounds where LCS recoveries fell below the QC limit were considered estimated, possibly biased low, with positive results qualified "J-" and nondetected results qualified "UJ" for the affected samples. Positive results for those compounds where LCS recoveries exceeded the QC limit were considered estimated, possibly biased high, and qualified "J+" for the affected samples.

Blank Contamination

The laboratory method blank associated with samples STP-TP-03-6.5-7.0, STP-TP-03-0.5-1.0, STP-TP-04-6.0-6.5, and STP-TP-04-1.0-1.5 and samples with lab IDs R2010129-013 through -016, -018, -019, -021, R2010183-001 through -013, R2010282-003, -004, -006, and all soil samples in SDGs R2010263 and R2010721 contained bis(2-ethylhexyl)phthalate below the reporting limit at concentrations ranging 35-81 µg/kg; the QC equipment blank associated with samples in SDG R2010129 contained caprolactam below the reporting limit at a concentration of 1.7 µg/L; the QC equipment blank associated with samples in SDG R2010183 contained 1,4-dioxane at a concentration of 0.075 µg/L; and the laboratory method blank associated with samples with lab IDs R2010282-001, -002, -005, and -007 contained benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(g,h,i)perylene, benzo(k)fluoranthene, bis(2-ethylhexyl)phthalate, chrysene, dibenz(a,h)anthracene, fluoranthene, indeno(1,2,3-cd)pyrene, and pyrene at concentrations of 14, 16, 17, 12, 6.4, 43, 15, 3.0, 21, 11, and 17 µg/kg, respectively. Therefore, results for these compounds less than validation action concentrations were considered not detected and qualified "U" for the affected samples.

Continuing Calibrations

All continuing calibration compounds were compliant with minimum relative response factors (RRFs) of 0.05 (0.01 for poor performers) and maximum percent differences (%Ds) within ±20% (±40% for poor performers) with the exception of 2,4-dinitrophenol (41.1%D) in the continuing calibration associated with samples with lab IDs R2010127-001, -008, -010, -011, R2010129-019, -021, and R2010183-001; 2,4-dinitrophenol (42.1%D),

benzaldehyde (-20.9%D), and fluorene (22.5%D) associated with sample with lab ID R2010127-007; 3,3'-dichlorobenzidine (24%D), 4-nitrophenol (50.7%D), atrazine (-35.3%D), and pentachlorophenol (-23.2%D) in the continuing calibration associated with samples with lab IDs R2010129-013, -014, -016, -018, and R2010183-002 through -009; benzaldehyde (-24.9%D), hexachlorocyclopentadiene (-31.7%D), and pentachlorophenol (-39.4%D) in the continuing calibration associated with samples with lab IDs R2010129-015, R2010183-007, R2010282-001, and -002; 3,3'-dichlorobenzidine (24.2%D) and hexachlorocyclopentadiene (-24.4%D) in the continuing calibration associated with samples with lab IDs R2010183-010 through -013, and all samples in SDG R2010263 exception samples with lab IDs R2010263-011 and -012; hexachlorocyclopentadiene (-25.5%D, -32.6%D) in the continuing calibrations associated with samples with lab IDs R2010282-004, -006, and STP-EB-01-111020; and atrazine (-38.6%D, -25.6%D, -20.4%D) and hexachlorocyclopentadiene (-54.7%D, -63.6%D, -82.0%D) in the continuing calibrations associated with samples in SDG R2010721. Therefore, results for these compounds which were nondetects were considered estimated and qualified "UJ" for the affected samples.

Field Duplicate Precision

All field duplicate precision results were considered acceptable with the exception of the precision for all positive results except penanthrene associated with sample STP-TP-02-5.0-6.0 and its field duplicate sample STP-TP-02-5.0-6.0 DUP; all positive results associated with sample STP-SB-07-2.0-4.0 and its field duplicate sample STP-SB-07-2.0-4.0 DUP; acenaphthylene, anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(g,h,i)perylene, dibenz(a,h)anthracene, and indeno(1,2,3-cd)pyrene associated with sample STP-SB-01-1.0-2.0 and its field duplicate sample STP-SB-01-1.0-2.0 DUP; and all positive results associated with sample STP-SS-02 and its field duplicate sample STP-SS-02 DUP. Therefore, results for these compounds were considered estimated and qualified "J" for the affected parent sample and field duplicate.

Usability

All semivolatile soil sample results were considered usable following data validation.

Summary

The quality assurance objectives for measurement data included considerations for precision, accuracy, representativeness, completeness, comparability, and sensitivity. The semivolatile soil data presented by the laboratory were 100% complete (i.e., usable). The validated semivolatile laboratory data are tabulated and presented in Attachments A-1 and A-3.

2.1.3 Pesticide, PCB, and Herbicide

The following items were reviewed for compliancy in the pesticide, PCB, and herbicide analysis:

- Custody documentation
- Holding times
- Surrogate recoveries
- Matrix spike/matrix spike duplicate (MS/MSD) precision and accuracy
- Laboratory control sample (LCS) recoveries
- Laboratory method blank and field QC equipment blank contamination
- Initial calibrations
- Verification calibrations
- 4,4'-DDT/endrin breakdown
- Chromatogram quality
- Field duplicate precision
- Sample result verification and identification

- Quantitation limits
- Data completeness

These items were considered compliant and acceptable in accordance with the validation protocols with the exception of surrogate recoveries, MS/MSD precision and accuracy, LCS recoveries, continuing calibration verifications, and sample result identifications as discussed below.

Surrogate Recoveries

All sample surrogate recoveries were considered acceptable and within QC limits with the exception of the high surrogate recovery for decachlorobiphenyl (QC limit 10-145%R) in sample STP-TP-01-0.8-1.2 (191%R). Validation qualification was not required for the affected sample.

MS/MSD Precision and Accuracy

All MS/MSD precision (relative percent difference; RPD) and accuracy (percent recovery; %R) measurements were considered acceptable and within QC limits for designated spiked project samples with the exception of the 0% MS/MSD accuracy results for methoxychlor during the spiked analyses of sample STP-TP-02-5.0-6.0; and the many 0% MS/MSD accuracy results during the spiked analyses of sample STP-SS-01. Therefore, the results for these compounds which were nondetects were considered estimated and qualified "UJ" for the affected parent samples.

LCS Recoveries

All LCS recoveries were considered acceptable and within QC limits with the exception of the low LCS recovery for methoxychlor (52%R; QC limit 56-149%R) associated with samples STP-EB-02-102720 and STP-EB-01-102720; and the many low LCS/LCSD recoveries for all compounds except endrin aldehyde and delta-BHC associated with sample STP-EB-01-111020. Therefore, results for these compounds which were nondetects were considered estimated and qualified "UJ" for the affected samples.

Continuing Calibration Verifications

All continuing calibration verifications were analyzed at the appropriate frequency with percent differences (%Ds) within ±20% with the exception of methoxychlor (-33.8%D, -33.5%D) in the continuing calibration associated with sample STP-TP-01-0.8-1.2. Therefore, the result for this compound which was nondetect was considered estimated and qualified "UJ" for the affected sample.

Sample Result Identification

All positive pesticide, PCB, and herbicide sample results were within retention time windows and verified present using secondary column confirmation. The precision (%RPD) between the results on the quantitation and confirmation columns were less than 40% with the exception of 4,4'-DDD for sample STP-TP-01-0.8-1.2 (51%RPD). Therefore, the result for this compound was considered estimated and qualified "J" for the affected sample.

Usability

All pesticide, PCB, and herbicide soil sample results were considered usable following data validation.

Summary

The quality assurance objectives for measurement data included considerations for precision, accuracy, representativeness, completeness, comparability, and sensitivity. The pesticide, PCB, and herbicide soil data presented by the laboratories were 100% complete (i.e., usable). The validated pesticide, PCB, and herbicide laboratory data are tabulated and presented in Attachments A-1 and A-3.

2.1.4 PFAS

The following items were reviewed for compliancy in the PFAS analysis:

- Custody documentation
- Holding times
- Surrogate recoveries
- Matrix spike/matrix spike duplicate (MS/MSD) precision and accuracy
- Laboratory control sample (LCS) recoveries
- Laboratory method blank and field QC equipment/field blank contamination
- Instrument performance
- Initial and continuing calibrations
- Internal standard responses
- Sample result verification and identification
- Field duplicate precision
- Quantitation limits
- Data completeness

These items were considered compliant and acceptable in accordance with the validation protocols with the exception of surrogate recoveries, MS/MSD precision and accuracy, LCS recoveries, blank contamination, and continuing calibrations as discussed below.

Surrogate Recoveries

All surrogate recoveries were considered acceptable and within QC limits with the exception of the high surrogate recoveries for 13C4-PFOS (QC limit 25-121%R), 13C4-PFBA (QC limit 27-124%R), 13C5-PFPeA (QC limit 27-138%R), 13C2-PFHxA (QC limit 28-132%R), 13C4-PFOA (QC limit 22-130%R), 13C5-PFNA (QC limit 20-127%R), 13C2-PFDA (QC limit 24-125%R), 13C2-PFTeDA (QC limit 13-124%R), d5-EtFOSAA (QC limit 12-126%R), and 13C2-8:2 FTS (QC limit 10-202%R) in sample STP-EB-02-102720 (129%R, 130%R, 146%R, 193%R, 132%R, 170%R, 162%R, 156%R, 278%R, and 336%R, respectively); 13C5-PFNA (QC limit 27-133%R) in sample STP-SB-01-1.0-2.0 DUP (136%R); and 1802-PFHxS (QC limit 36-120%R) and 13C4-PFHpA (QC limit 36-133%R) in sample STP-SB-04-9.0-11.0 (127%R and 138%R, respectively). Validation qualification was not required for the affected samples.

MS/MSD Precision and Accuracy

All MS/MSD precision (relative percent difference; RPD) and accuracy (percent recovery; %R) measurements were considered acceptable and within QC limits for designated spiked project samples with the exception of the high MS/MSD accuracy results for PFTrDA (140%R/139%R; QC limit 63-134%R) and the high MS accuracy result for PFUnDA (149%R; QC limit 69-147%R) during the spiked analyses of sample STP-TP-02-5.0-6.0; the high MSD accuracy result for PFUnDA (151%R; QC limit 69-147%R) and the high MS accuracy result for FOSA (141%R; QC limit 63-138%R) during the spiked analyses of sample STP-SB-05-1.0-2.0; and the low MS/MSD accuracy results for PFTeDA (67%R/68%R; QC limit 70-143%R) during the spiked analyses of sample STP-SB-08-1.0-2.0. Validation qualification was not required for the affected samples where MS/MSD accuracy results exceeded the QC limit. However, the nondetected PFTeDA result for parent sample STP-SB-08-1.0-2.0 was considered estimated and qualified “UJ”.

LCS Recoveries

All LCS recoveries were considered acceptable and within QC limits with the exception of the high LCS recoveries for FOSA (144%R; QC limit 63-138%R) and PFTrDA (143%R; QC limit 63-134%R) associated with samples with lab IDs R2010127-001, -003, R2010183-003 and soil samples in SDG R2010129; and PFPeA (138%R; QC

limit 64-131%R) associated with samples with lab IDs R2010183-009, -010, and soil samples in SDG R2010263. Validation qualification was not required for the affected samples.

Blank Contamination

The laboratory method blanks associated with samples with lab IDs R2010127-001, -003, -008, -010, R2010183-003 and with soil samples in SDG R2010129 contained PFPeA below the reporting limit at concentrations ranging 0.22-0.25 ng/g; the laboratory method blanks associated with samples STP-EB-02-102720, STP-EB-03-102820, STP-EB-02-102720, STP-EB-04-102820, and STP-EB-01-111020 contained PFOA below the reporting limit at concentrations ranging 0.40-0.60 ng/L; the QC equipment blank associated with samples in SDG R2010127 contained PFDS below the reporting limit at a concentration of 0.35 ng/L; the laboratory method blanks associated with samples STP-EB-01-102920 and STP-EB-06-103020 contained PFOA below the reporting limit at a concentration ranging 0.40-0.43 ng/L; the QC equipment blank associated with samples in SDG R2010263 contained PFOA and 8:2 FTS below the reporting limit at concentrations of 0.61 and 0.53 ng/L, respectively; and the QC equipment blanks associated with samples in SDGs R2010282 and R2010721 contained PFOA below the reporting limit at concentrations of 0.43 and 0.48 ng/L, respectively. Therefore, results for these compounds less than validation action concentrations were considered not detected and qualified "U" for the affected samples.

Continuing Calibrations

All continuing calibration compounds were compliant with percent differences (%Ds) within ±30% with the exception of NEtFOSAA (34.8%D) in the continuing calibration associated with sample STP-EB-06-103020. Therefore, the result for this compound which was nondetect was considered estimated and qualified "UJ" for the affected sample.

Usability

All PFAS soil sample results were considered usable following data validation.

Summary

The quality assurance objectives for measurement data included considerations for precision, accuracy, representativeness, completeness, comparability, and sensitivity. The PFAS soil data presented by the laboratory were 100% complete (i.e., usable). The validated PFAS laboratory data are tabulated and presented in Attachments A-1 and A-3.

2.1.5 Inorganics (Including TCLP Metals)

The following items were reviewed for compliancy in the inorganics analysis:

- Custody documentation
- Holding times
- Initial and continuing calibration verifications
- Initial and continuing calibration blank, preparation blank, and field QC equipment blank contamination
- Interference check sample (ICS) recoveries
- MS/MSD recoveries
- LCS recoveries
- Laboratory duplicate precision
- Serial dilutions
- Sample result verification and identification
- Field duplicate precision
- Quantitation limits
- Data completeness

These items were considered compliant and acceptable in accordance with the validation protocols with the exception of holding times, instrument calibrations, blank contamination, MS/MSD recoveries, LCS recoveries, laboratory duplicate precision, and serial dilutions as discussed below.

Holding Times

The hexavalent chromium sample STP-EB-01-111020 exceeded the 48-hour holding time by six days. Therefore, the nondetected result for this analyte was considered estimated and qualified "UJ" for the affected sample.

Instrument Calibrations

All initial and continuing calibration verifications were analyzed at the appropriate frequency with recoveries within QC limits. All calibration standards were analyzed at the appropriate frequency with recoveries within the 70-130%R QC limit with the exception of the high recovery for TCLP selenium (141%R) associated with samples in SDG R2010722. Validation qualification was not required for the affected samples.

Blank Contamination

The QC equipment blank associated with samples in SDG R2010127 contained aluminum, iron, and sodium at concentrations of 101, 133, and 280 µg/L, respectively; the QC equipment blank associated with samples in SDG R2010129 contained aluminum, chromium, iron, and hexavalent chromium at concentrations of 32.7, 3.4, 189, and 3.4 µg/L, respectively; the QC equipment blank associated with samples in SDG R2010183 contained aluminum and sodium below the reporting limit at concentrations of 30.6 and 162 µg/L, respectively; and the QC equipment blank associated with samples in SDG R2010721 contained aluminum, iron, and sodium at concentrations of 92.3, 102, and 146 µg/L, respectively. Therefore, results for these analytes less than validation action concentrations were considered not detected and qualified "U" for the affected samples.

MS/MSD Recoveries

All MS/MSD recoveries were acceptable and within the 75-125%R QC limit (80-120%R for mercury) with the exception of the MS/MSD recoveries for antimony (58%R, 60%R), arsenic (175%R), and potassium (71%R, 69%R) associated with sample STP-TP-02-5.0-6.0; antimony (52%R, 55%R) and zinc (70%R) associated with sample STP-SB-05-10.0-12.0; antimony (58%R, 56%R) associated with sample STP-SB-06-0.5-1.0; TCLP barium (132%R, 130%R) associated with sample STP-SB-05-10.0-12.0; TCLP barium (129%R, 129%R) associated with sample STP-SB-03-1.0-2.0; antimony (50%R, 50%R), lead (65%R, 63%R), and arsenic (45%R) associated with sample STP-SB-04-4.0-6.0; antimony (56%R, 56%R) and arsenic (126%R) associated with sample STP-SB-08-1.0-2.0; and antimony (59%R, 58%R) and mercury (72%R, 70%R) associated with sample STP-SS-01. Therefore, results for those analytes where matrix spike recoveries fell below the QC limit were considered estimated with positive results qualified "J" and nondetected results qualified "UJ" for the affected samples. Positive results for those analytes where matrix spike recoveries exceeded the QC limit were considered estimated and qualified "J" for the affected samples.

LCS Recoveries

All LCS recoveries were considered acceptable and within QC limits with the exception of the high LCS recovery for hexavalent chromium (127%R; QC limit 85-115%R) associated with sample STP-EB-01-111020. Validation qualification was not required for the affected sample.

Laboratory Duplicate Precision

All laboratory duplicate precision results were considered acceptable and less than 25%RPD with the exception of the laboratory duplicate precision for arsenic (25%RPD) and manganese (31%RPD) associated with sample STP-TP-02-5.0-6.0. Therefore, results for these analytes were considered estimated with positive results qualified "J" and nondetected results qualified "UJ" for the affected sample.

Serial Dilutions

All serial dilution results were considered acceptable with percent differences (%Ds) less than 10% with the exception of the serial dilution for potassium (16%D) associated with sample STP-SB-05-10.0-12.0. Therefore, the positive result for this analyte was considered estimated and qualified "J" for the affected samples.

Usability

All inorganic soil sample results were considered usable following data validation.

Summary

The quality assurance objectives for measurement data included considerations for precision, accuracy, representativeness, completeness, comparability, and sensitivity. The inorganic soil data presented by the laboratory were 100% complete (i.e., usable). The validated inorganic laboratory data are tabulated and presented in Attachments A-1 and A-3.

2.1.6 SGT-HEM TPH

The following items were reviewed for compliancy in the TPH analysis:

- Custody documentation
- Holding times
- Initial and continuing calibration verifications
- Initial and continuing calibration blank, preparation blank, and field QC equipment blank contamination
- MS/MSD recoveries
- LCS recoveries
- Laboratory duplicate precision
- Sample result verification and identification
- Field duplicate precision
- Quantitation limits
- Data completeness

These items were considered compliant and acceptable in accordance with the validation protocols with the exception of blank contamination as discussed below.

Blank Contamination

The QC equipment blank associated with samples in SDG R2010127 contained TPH below the reporting limit at a concentration of 4 mg/L; the QC equipment blank associated with samples in SDG R2010129 contained TPH below the reporting limit at a concentration of 2 mg/L; the QC equipment blank associated with samples in SDG R2010721 contained TPH below the reporting limit at a concentration of 1.7 mg/L; and the laboratory method blank associated with soil samples in SDG R2010721 contained TPH below the reporting limit at a concentration of 130 mg/kg. Validation qualification was not required for the affected samples.

Usability

All TPH soil sample results were considered usable following data validation.

Summary

The quality assurance objectives for measurement data included considerations for precision, accuracy, representativeness, completeness, comparability, and sensitivity. The TPH soil data presented by the laboratory were 100% complete (i.e., usable). The validated TPH laboratory data are tabulated and presented in Attachments A-1 and A-3.

2.2 GROUNDWATER SAMPLES

Data review has been completed for data packages containing groundwater samples collected from the site. Analytical results from these samples were contained within sample delivery groups (SDGs) R2011318 and R2011387. All of these samples were properly preserved, shipped under a COC record, and received intact by the analytical laboratory.

Data validation was performed for all samples in accordance with the most current editions of the USEPA Region II SOPs for organic and inorganic data review, analytical methodologies, and the *Sampling, Analysis, and Assessment of Per- and Polyfluoroalkyl Substances (PFAS) Under NYSDEC's Part 375 Remedial Programs*, dated January 2021. The validated laboratory data are presented in Attachments A-2 and A-3. This data validation and usability report is presented by analysis type.

2.2.1 Volatiles

The following items were reviewed for compliancy in the volatile analysis:

- Custody documentation
- Holding times
- Surrogate recoveries
- Matrix spike/matrix spike duplicate (MS/MSD) precision and accuracy
- Laboratory control sample (LCS) recoveries
- Laboratory method blank and field QC equipment blank/trip blank contamination
- GC/MS instrument performance
- Initial and continuing calibrations
- Internal standard area counts and retention times
- Sample result verification and identification
- Field duplicate precision
- Quantitation limits
- Data completeness

These items were considered compliant and acceptable in accordance with the validation protocols with the exception of MS/MSD precision and accuracy, blank contamination, and continuing calibrations as discussed below.

MS/MSD Precision and Accuracy

All MS/MSD precision (relative percent difference; RPD) and accuracy (percent recovery; %R) measurements were considered acceptable and within QC limits for designated spiked project samples with the exception of the low MS accuracy result for 1,4-dichlorobenzene (77%R; QC limit 82-120%R) during the spiked analyses of sample STP-MW-01-112520. Validation qualification was not required for the affected parent sample.

Blank Contamination

The laboratory method blanks associated with the project samples contained chloromethane at concentrations ranging 0.43-0.45 µg/L; and the laboratory method blank associated with sample STP-EB-01-112520 contained chloroethane at a concentration of 2.7 µg/L. Validation qualification was not required for the affected samples.

Continuing Calibrations

All continuing calibration compounds were compliant with minimum relative response factors (RRFs) of 0.05 (0.01 for poor performers) and maximum percent differences (%Ds) within ±20% (±40% for poor performers) with the exception of bromomethane (-26.5%D) in the continuing calibration associated with sample STP-EB-01-

112520. Therefore, the result for this compound which was nondetect was considered estimated and qualified "UJ" for the affected sample.

Usability

All volatile groundwater sample results were considered usable following data validation.

Summary

The quality assurance objectives for measurement data included considerations for precision, accuracy, representativeness, completeness, comparability, and sensitivity. The volatile groundwater data presented by the laboratory were 100% complete (i.e., usable). The validated volatile laboratory data are tabulated and presented in Attachments A-2 and A-3.

2.2.2 Semivolatiles (Including 1,4-dioxane)

The following items were reviewed for compliancy in the semivolatile analysis:

- Custody documentation
- Holding times
- Surrogate recoveries
- Matrix spike/matrix spike duplicate (MS/MSD) precision and accuracy
- Laboratory control sample (LCS) recoveries
- Laboratory method blank and equipment blank contamination
- GC/MS instrument performance
- Initial and continuing calibrations
- Internal standard area counts and retention times
- Sample result verification and identification
- Field duplicate precision
- Quantitation limits
- Data completeness

These items were considered compliant and acceptable in accordance with the validation protocols with the exception of MS/MSD precision and accuracy, LCS recoveries, and continuing calibrations as discussed below.

MS/MSD Precision and Accuracy

All MS/MSD precision (relative percent difference; RPD) and accuracy (percent recovery; %R) measurements were considered acceptable and within QC limits for designated spiked project samples with the exception of the MS/MSD accuracy results for bis(2-ethylhexyl)phthalate (46%R/711%R; QC limit 10-162%R) during the spiked analyses of sample STP-MW-01-112520. Therefore, the nondetected result for this compound was considered estimated and qualified "UJ" for the affected parent sample.

LCS Recoveries

All LCS recoveries were considered acceptable and within QC limits with the exception of the low LCS recoveries for di-n-octylphthalate (45%R; QC limit 48-134%R) and indeno(1,2,3-cd)pyrene (53%R; QC limit 55-129%R) associated with samples in SDG R2011318; and di-n-octylphthalate (46%R; QC limit 48-134%R) associated with samples in SDG R2011387. Therefore, results for these compounds which were nondetects were considered estimated and qualified "UJ" for the affected samples.

Continuing Calibrations

All continuing calibration compounds were compliant with minimum relative response factors (RRFs) of 0.05 (0.01 for poor performers) and maximum percent differences (%Ds) within ±20% (±40% for poor performers)

with the exception of hexachlorocyclopentadiene (-43.8%D) and pentachlorophenol (-35%D) in the continuing calibration associated with samples in SDG R2011318; and atrazine (-26.2%D) and hexachlorocyclopentadiene (-54.2%D) in the continuing calibration associated with samples in SDG R2011387. Therefore, results for these compounds which were nondetects were considered estimated and qualified "UJ" for the affected samples.

Usability

All semivolatile groundwater sample results were considered usable following data validation.

Summary

The quality assurance objectives for measurement data included considerations for precision, accuracy, representativeness, completeness, comparability, and sensitivity. The semivolatile groundwater data presented by the laboratory were 100% complete (i.e., usable). The validated semivolatile laboratory data are tabulated and presented in Attachments A-2 and A-3.

2.2.3 Pesticide, PCB, and Herbicide

The following items were reviewed for compliancy in the pesticide, PCB, and herbicide analysis:

- Custody documentation
- Holding times
- Surrogate recoveries
- Matrix spike/matrix spike duplicate (MS/MSD) precision and accuracy
- Laboratory control sample (LCS) recoveries
- Laboratory method blank contamination
- Initial calibrations
- Verification calibrations
- 4,4'-DDT/endrin breakdown
- Chromatogram quality
- Field duplicate precision
- Sample result verification and identification
- Quantitation limits
- Data completeness

These items were considered compliant and acceptable in accordance with the validation protocols with the exception of MS/MSD precision and accuracy and LCS recoveries as discussed below.

MS/MSD Precision and Accuracy

All MS/MSD precision (relative percent difference; RPD) and accuracy (percent recovery; %R) measurements were considered acceptable and within QC limits for all compounds of designated spiked project samples with the exception of the many high MS/MSD precision results during the spiked analyses of sample STP-MW-01-112520. Validation qualification was not required for the affected parent sample.

LCS Recoveries

All LCS recoveries were considered acceptable and within QC limits with the exception of the 0% LCSD recoveries for 2,4,5-T, 2,4,5-TP, 2,4-D, and dicamba associated with samples in SDG R2011387. Validation qualification was not required for the affected samples since LCS recoveries were within QC limits and laboratory spiking error is suspected.

Usability

All pesticide, PCB, and herbicide groundwater sample results were considered usable following data validation.

Summary

The quality assurance objectives for measurement data included considerations for precision, accuracy, representativeness, completeness, comparability, and sensitivity. The pesticide, PCB, and herbicide groundwater data presented by the laboratory were 100% complete (i.e., usable). The validated pesticide, PCB, and herbicide laboratory data are tabulated and presented in Attachments A-2 and A-3.

2.2.4 PFAS

The following items were reviewed for compliancy in the PFAS analysis:

- Custody documentation
- Holding times
- Surrogate recoveries
- Matrix spike/matrix spike duplicate (MS/MSD) precision and accuracy
- Laboratory control sample (LCS) recoveries
- Laboratory method blank and equipment/field blank contamination
- Instrument performance
- Initial and continuing calibrations
- Internal standard responses
- Sample result verification and identification
- Field duplicate precision
- Quantitation limits
- Data completeness

These items were considered compliant and acceptable in accordance with the validation protocols with the exception of surrogate recoveries and blank contamination as discussed below.

Surrogate Recoveries

All sample surrogate recoveries were considered acceptable and within QC limits with the exception of the high surrogate recoveries for 13C2-PFTeDA (QC limit 18-109%R) in samples STP-MW-01-112520 (126%R), STP-MW-01-112520 DUP (127%R), and STP-FB-01-112520 (131%R). Validation qualification was not required for the affected samples.

Blank Contamination

The laboratory method blanks associated with the project samples contained PFOA below the reporting limit at concentrations ranging 0.37-0.52 ng/L; and the field QC equipment blanks associated with the project samples contained PFOA below the reporting limit at concentrations ranging 0.48-0.51 ng/L. Therefore, results for this compound less than validation action concentrations were considered not detected and qualified “U” for the affected samples.

Usability

All PFAS groundwater sample results were considered usable following data validation.

Summary

The quality assurance objectives for measurement data included considerations for precision, accuracy, representativeness, completeness, comparability, and sensitivity. The PFAS groundwater data presented by the

laboratory were 100% complete (i.e., usable). The validated PFAS laboratory data are tabulated and presented in Attachments A-2 and A-3.

2.2.5 Metals

The following items were reviewed for compliancy in the metals analysis:

- Custody documentation
- Holding times
- Initial and continuing calibration verifications
- Initial and continuing calibration blank, preparation blank, and equipment blank contamination
- Interference check sample (ICS) recoveries
- MS/MSD recoveries
- LCS recoveries
- Laboratory duplicate precision
- Serial dilutions
- Sample result verification and identification
- Field duplicate precision
- Quantitation limits
- Data completeness

These items were considered compliant and acceptable in accordance with the validation protocols.

Usability

All metals groundwater sample results were considered usable following data validation.

Summary

The quality assurance objectives for measurement data included considerations for precision, accuracy, representativeness, completeness, comparability, and sensitivity. The metals groundwater data presented by the laboratory were 100% complete (i.e., usable). The validated metals laboratory data are tabulated and presented in Attachments A-2 and A-3.

2.2.6 SGT-HEM TPH

The following items were reviewed for compliancy in the TPH analysis:

- Custody documentation
- Holding times
- Initial and continuing calibration verifications
- Initial and continuing calibration blank, preparation blank, and field QC equipment blank contamination
- MS/MSD recoveries
- LCS recoveries
- Laboratory duplicate precision
- Sample result verification and identification
- Field duplicate precision
- Quantitation limits
- Data completeness

These items were considered compliant and acceptable in accordance with the validation protocols with the exception of blank contamination as discussed below.

Blank Contamination

The QC equipment blank associated with samples in SDG R2011318 contained TPH below the reporting limit at a concentration of 2.6 µg/L. Therefore, results for this analyte less than validation action concentrations were considered not detected and qualified "U" for the affected samples.

Usability

All TPH groundwater sample results were considered usable following data validation.

Summary

The quality assurance objectives for measurement data included considerations for precision, accuracy, representativeness, completeness, comparability, and sensitivity. The TPH groundwater data presented by the laboratory were 100% complete (i.e., usable). The validated TPH laboratory data are tabulated and presented in Attachments A-2 and A-3.

ATTACHMENT A – VALIDATED LABORATORY DATA

ATTACHMENT A-1 VALIDATED LABORATORY DATA FOR SOIL SAMPLES

				Location ID:	STP-SB-01		STP-SB-01		STP-SB-01		STP-SB-01		STP-SB-01		STP-SB-01		STP-SB-01		STP-SB-02		STP-SB-02		STP-SB-02		STP-SB-02		STP-SB-02	
				Sample ID:	STP-SB-01_0.0-0.5		STP-SB-01_0.5-1.0		STP-SB-01_1.0-2.0		STP-SB-01_1.0-2.0 DUP		STP-SB-01_5.0-7.0		STP-SB-01_8.0-10		STP-SB-01_14.0-16.0		STP-SB-02_0.0-0.5		STP-SB-02_0.5-1.0		STP-SB-02_1.0-2.0		STP-SB-02_5.0-7.0		STP-SB-02_11.5-13.5	
				Depth:	0 - 0.5 ft		0.5 - 1 ft		1 - 2 ft		1 - 2 ft		5 - 7 ft		8 - 10 ft		14 - 16 ft		0 - 0.5 ft		0.5 - 1 ft		1 - 2 ft		5 - 7 ft		11.5 - 13.5 ft	
				Sample Type:	N		N		N		FD		N		N		N		N		N		N		N		N	
				Matrix:	SO		SO		SO		SO		SO		SO		SO		SO		SO		SO		SO		SO	
				SDG:	R2010183/R2010184		R2010183/R2010184		R2010183/R2010184		R2010183/R2010184		R2010183/R2010184		R2010183/R2010184		R2010183/R2010184		R2010129/R2010130		R2010129/R2010130		R2010129/R2010130		R2010129/R2010130		R2010129/R2010130	
				Lab Sample ID:	R2010183/184-007		R2010183/184-008		R2010183/184-009		R2010183/184-010		R2010183/184-011		R2010183/184-012		R2010183/184-013		R2010129/130-014		R2010129/130-015		R2010129/130-016		R2010129-021/130-017		R2010129/130-018	
				Sampled:	10/28/2020		10/28/2020		10/28/2020		10/28/2020		10/28/2020		10/28/2020		10/28/2020		10/27/2020		10/27/2020		10/27/2020		10/27/2020		10/27/2020	
Method	Fraction	Chemical Name	CAS RN	Unit																								
E537	T	2-(N-methyl perfluorooctanesulfonamido) acetic acid	2355-31-9	ng/g					1	U	0.98	U											1.1	U				
E537	T	N-Ethyl-N-((heptadecafluorooctyl)sulphonyl) glycine	2991-50-6	ng/g					1	U	0.98	U											1.1	U				
E537	T	Perfluorobutanesulfonic acid (PFBS)	375-73-5	ng/g					1	U	0.98	U											1.1	U				
E537	T	Perfluorobutanoic Acid	375-22-4	ng/g					1	U	0.98	U											1.1	U				
E537	T	Perfluorodecane Sulfonic Acid	335-77-3	ng/g					1	U	0.98	U											1.1	U				
E537	T	Perfluorodecanoic acid (PFDA)	335-76-2	ng/g					1	U	0.98	U											1.1	U				
E537	T	Perfluorododecanoic acid (PFDoA)	307-55-1	ng/g					1	U	0.98	U											1.1	U				
E537	T	Perfluoroheptane Sulfonate (PFHPS)	375-92-8	ng/g					1	U	0.98	U											1.1	U				
E537	T	Perfluoroheptanoic acid (PFHpA)	375-85-9	ng/g					1	U	0.98	U											1.1	U				
E537	T	Perfluorohexanesulfonic acid (PFHxS)	355-46-4	ng/g					1	U	0.98	U											1.1	U				
E537	T	Perfluorohexanoic acid (PFHxA)	307-24-4	ng/g					1	U	0.98	U											1.1	U				
E537	T	Perfluorononanoic acid (PFNA)	375-95-1	ng/g					1	U	0.98	U											1.1	U				
E537	T	Perfluorooctane Sulfonamide (FOSA)	754-91-6	ng/g					1	U	0.98	U											1.1	U				
E537	T	Perfluorooctanesulfonic acid (PFOS)	1763-23-1	ng/g					1	U	0.2	J											1.1	U				
E537	T	Perfluorooctanoic acid (PFOA)	335-67-1	ng/g					1	U	0.98	U											0.15	J				
E537	T	Perfluoropentanoic Acid (PFPeA)	2706-90-3	ng/g					1	U	0.98	U											1.1	U				
E537	T	Perfluorotetradecanoic acid (PFTA)	376-06-7	ng/g					1	U	0.98	U											1.1	U				
E537	T	Perfluorotridecanoic Acid (PFTriA)	72629-94-8	ng/g					1	U	0.98	U											1.1	U				
E537	T	Perfluoroundecanoic Acid (PFUnA)	2058-94-8	ng/g					1	U	0.98	U											1.1	U				
E537	T	Sodium 1H,1H,2H,2H-Perfluorodecane Sulfonate (8:2)	39108-34-4	ng/g					1	U	0.98	U											1.1	U				
E537	T	Sodium 1H,1H,2H,2H-Perfluorooctane Sulfonate (6:2)	27619-97-2	ng/g					1	U	0.98	U											1.1	U				
SW8260C	T	1,1,1-Trichloroethane (TCA)	71-55-6	ug/kg					7.6	U	5.6	U											5.1	U				
SW8260C	T	1,1,2,2-Tetrachloroethane	79-34-5	ug/kg					7.6	U	5.6	U											5.1	U				
SW8260C	T	1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	ug/kg					7.6	U	5.6	U											5.1	U				
SW8260C	T	1,1,2-Trichloroethane	79-00-5	ug/kg					7.6	U	5.6	U											5.1	U				
SW8260C	T	1,1-Dichloroethane	75-34-3	ug/kg					7.6	U	5.6	U											5.1	U				
SW8260C	T	1,1-Dichloroethene	75-35-4	ug/kg					7.6	U	5.6	U											5.1	U				
SW8260C	T	1,2,3-Trichlorobenzene	87-61-6	ug/kg					7.6	U	5.6	U											5.1	U				
SW8260C	T	1,2,4-Trichlorobenzene	120-82-1	ug/kg					7.6	U	5.6	U											5.1	U				
SW8260C	T	1,2,4-Trimethylbenzene	95-63-6	ug/kg					7.6	U	5.6	U											5.1	U				
SW8260C	T	1,2-Dibromo-3-Chloropropane	96-12-8	ug/kg					7.6	U	5.6	U											5.1	U				
SW8260C	T	1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	ug/kg					7.6	U	5.6	U											5.1	U				
SW8260C	T	1,2-Dichlorobenzene	95-50-1	ug/kg					7.6	U	5.6	U											5.1	U				
SW8260C	T	1,2-Dichloroethane	107-06-2	ug/kg					7.6	U	5.6	U											5.1	UJ				
SW8260C	T	1,2-Dichloropropane	78-87-5	ug/kg					7.6	U	5.6	U											5.1	U				
SW8260C	T	1,3,5-Trimethylbenzene (Mesitylene)	108-67-8	ug/kg					7.6	U	5.6	U											5.1	U				
SW8260C	T	1,3-Dichlorobenzene	541-73-1	ug/kg					7.6	U	5.6	U											5.1	U				
SW8260C	T	1,4-Dichlorobenzene	106-46-7	ug/kg					7.6	U	5.6	U											5.1	U				
SW8260C	T	2-Hexanone	591-78-6	ug/kg					7.6	U	5.6	U											5.1	U				
SW8260C	T	Acetone	67-64-1	ug/kg					11		8.6												5.1	U				
SW8260C	T	Benzene	71-43-2	ug/kg					7.6	U	5.6	U											5.1	U				
SW8260C	T	Bromochloromethane	74-97-5	ug/kg					7.6	U	5.6	U											5.1	U				
SW8260C	T	Bromodichloromethane	75-27-4	ug/kg					7.6	U	5.6	U											5.1	U				
SW8260C	T	Bromoform	75-25-2	ug/kg					7.6	U	5.6	U											5.1	U				
SW8260C	T	Bromomethane	74-83-9	ug/kg					7.6	UJ	5.6	UJ											5.1	UJ				
SW8260C	T	Carbon Disulfide	75-15-0	ug/kg					7.6	U	5.6	U											5.1	U				
SW8260C	T	Carbon Tetrachloride	56-23-5	ug/kg					7.6	UJ	5.6	UJ											5.1	U				
SW8260C	T	Chlorobenzene	108-90-7	ug/kg					7.6	U	5.6	U											5.1	U				
SW8260C	T	Chloroethane	75-00-3	ug/kg					7.6	U	5.6	U											5.1	U				
SW8260C	T	Chloroform	67-66-3	ug/kg					7.6	U	5.6	U											5.1	U				
SW8260C	T	Chloromethane	74-87-3	ug/kg					7.6	U	5.6	U											5.1	U				
SW8260C	T	Cis-1,2-Dichloroethylene	156-59-2	ug/kg					7.6	U	5.6	U											5.1	U				
SW8260C	T	Cis-1,3-Dichloropropene	10061-01-5	ug/kg					7.6	U	5.6	U											5.1	U				
SW8260C	T	Cyclohexane	110-82-7	ug/kg					7.6	U	5.6	U											5.1	U				
SW8260C	T	Dibromochloromethane	124-48-1	ug/kg					7.6	U	5.6	U											5.1	U				
SW8260C	T	Dichlorodifluoromethane	75-71-8	ug/kg					7.6	U	5.6	U											5.1	U				
SW8260C	T	Ethylbenzene	100-41-4	ug/kg					7.6	U	5.6	U											5.1	U				
SW8260C	T	Isopropylbenzene (Cumene)	98-82-8	ug/kg					7.6	U	5.6	U											5.1	U				
SW8260C	T	m,p-Xylene	179601-23-1	ug/kg					15	U	11	U											10	U				
SW8260C	T	Methyl Acetate	79-20-9	ug/kg					7.6	U	5.6	U											5.1	U				
SW8260C	T	Methyl Ethyl Ketone (2-Butanone)	78-93-3	ug/kg					7.6	U	5.6	U											5.1	U				
SW8260C	T	Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	108-10-1	ug/kg					7.6	U	5.6	U											5.1	U				
SW8260C	T	Methylcyclohexane	108-87-2	ug/kg					7.6	U	0.73	J											5.1	U				
SW8260C	T	Methylene Chloride	75-09-2	ug/kg					7.6	U	5.6	U											5.1	U				
SW8260C	T	N-Butylbenzene	104-51-8	ug/kg					7.6	U	5.6	U											5.1	U				
SW8260C	T	N-Propylbenzene	103-65-1	ug/kg					7.6	U	5.6	U											5.1	U				
SW8260C	T	O-Xylene (1,2-Dimethylbenzene)	95-47-6	ug/kg					7.6	U	5.6	U											5.1	U				
SW8260C	T	Sec-Butylbenzene	135-98-8	ug/kg					7.6	U	5.6	U											5.1	U				
SW8260C	T	Styrene	100-42-5	ug/kg					7.6	U	5.6	U											5.1	U				
SW8260C	T	T-Butylbenzene	98-06-6	ug/kg					7.6	U	5.6	U											5.1	U				
SW8260C	T	Tert-Butyl Methyl Ether	1634-04-4	ug/kg					7.6	U	5.6	U											5.1	U				
SW8260C	T	Tetrachloroethylene (PCE)	127-18-4	ug/kg					7.6	U	5.6	U											5.1	U				
SW8260C	T	Toluene	108-88-3	ug/kg					0.37	J	0.25	J											5.1	U				
SW8260C	T	Trans-1,2-Dichloroethene	156-60-5	ug/kg					7.6	U	5.6	U											5.1	U				
SW8260C	T	Trans-1,3-Dichloropropene	10061-02-6	ug/kg					7.6	U	5.6	U											5.1	U				
SW8260C	T	Trichloroethylene (TCE)	79-01-6	ug/kg					7.6	U	5.6	U											5.1	U				
SW8260C	T	Trichlorofluoromethane	75-69-4	ug/kg					7.6	UJ	5.6	UJ											5.1	U				
SW8260C	T	Vinyl Chloride	75-01-4	ug/kg					7.6	U	5.6	U											5.1	U				
SW8270D	T	1,2,4,5-Tetrachlorobenzene	95-94-3	ug/kg	200	U	36	U	34	U	36	U	34	U	35	U	35	U	41	U	180	U	37	U	37	U	42	U
SW8270D	T	1,4-Dioxane (P-Dioxane)	123-91-1	ug/kg	420	U	72	U	69	U	72	U	70	U	71	U	71	U	84	U	360	UJ	76	U	76	U	85	U
SW8270D	T	2,3,4,6-Tetrachlorophenol	58-90-2	ug/kg	200	U	36	U	34	U	36	U	34	U	35	U	35	U	41	U	180	U	37	U	37	U	42	U
SW8270D	T	2,4,5-Trichlorophenol	95-95-4	ug/kg	200	U	36	U	34	U	36	U	34	U	35	U	35	U	41	U	180	U	37	U	37	U	42	U
SW8270D	T	2,4,6-Trichlorophenol	88-06-2	ug/kg	200	U	36	U	34	U	36	U	34	U	35	U	35	U	41	U	180	U	37	U	37	U	42	U
SW8270D	T	2,4-Dichlorophenol	120-83-2	ug/kg	200	U	36	U	34	U	36	U	34	U	35	U	35	U	41	U	180	U	37	U	37	U	42	U
SW8270D	T	2,4-Dimethylphenol	105-67-9	ug/kg	200	U	36	U	34	U	36	U	34	U	35	U	35	U	41	U	180	U	37	U	37	U	42	U
SW8270D	T	2,4-Dinitrophenol	51-28-5	ug/kg	200	U	36	U	34	U	36	U	34	U	35	U	35	U	41	U	180	U	37	U	37	UJ	42	U
SW8270D	T	2,4-Dinitrotoluene	121-14-2	ug/kg	200	U	36	U	34	U	36	U	34	U	35	U	35	U	41	U	180	U	37	U	37	U	42	U
SW8270D	T	2,6-Dinitrotoluene	606-20-2	ug/kg	200	U	36	U	34	U	36	U	34	U	35	U	35	U	41	U	180	U	37	U	37	U	42	U
SW8270D	T	2-Chloronaphthalene	91-58-7	ug/kg	200	U	36	U	34	U	36	U	34	U	35	U	35	U	41	U	180	U	37	U	37	U	42	U
SW8270D	T	2-Chlorophenol	95-57-8	ug/kg	200	U	36	U	34	U	36	U	34	U	35	U	35	U	41	U	180	U	37	U	37	U	42	U
SW8270D	T	2-Methylnaphthalene	91-57-6	ug/kg	120		64		82		64		19		7	U	15		94		98		3.3	J	5.8	J	8.4	U
SW8270D	T	2-Methylphenol (O-Cresol)	95-48-7	ug/kg	200	U	36	U	34	U	36	U	34	U	35	U	35	U	41	U	180	U	37	U	37	U	42	U
SW8270D	T	2-Nitroaniline	88-74-4	ug/kg	200	U	36	U	34	U	36	U	34	U	35	U	35	U	41	U	180	U	37	U	37	U	42	U
SW8270D	T	2-Nitrophenol	88-75-5	ug/kg	200	U	36	U	34	U	36	U	34	U	35	U	35	U	41	U	180	U	37	U	37	U	42	U
SW8270D	T	3,3'-Dichlorobenzidine	91-94-1	ug/kg	200	U	36	UJ	34	UJ	36	UJ	34	UJ	35	UJ	35	UJ	41	UJ	180	UJ	37	UJ	37	U	42	UJ
SW8270D	T	3-Nitroaniline	99-09-2	ug/kg	200	U	36	U	34	U	36	U	34	U	35	U	35	U	41	U	180	U	37	U	37	U	42	U
SW8270D	T	4,6-Dinitro-2-Methylphenol	534-52-1	ug/kg	200	U	36	U	34	U	36	U	34	U	35	U	35	U	41	U	180	U	37	U	37	U	42	U

PARSONS

				Location ID:	STP-SB-01		STP-SB-01		STP-SB-01		STP-SB-01		STP-SB-01		STP-SB-01		STP-SB-02		STP-SB-02		STP-SB-02		STP-SB-02	
				Sample ID:	STP-SB-01_0.0-0.5		STP-SB-01_0.5-1.0		STP-SB-01_1.0-2.0		STP-SB-01_1.0-2.0 DUP		STP-SB-01_5.0-7.0		STP-SB-01_8.0-10		STP-SB-01_14.0-16.0		STP-SB-02_0.0-0.5		STP-SB-02_0.5-1.0		STP-SB-02_1.0-2.0		STP-SB-02_5.0-7.0		STP-SB-02_11.5-13.5	
				Depth:	0 - 0.5 ft		0.5 - 1 ft		1 - 2 ft		1 - 2 ft		5 - 7 ft		8 - 10 ft		14 - 16 ft		0 - 0.5 ft		0.5 - 1 ft		1 - 2 ft		5 - 7 ft		11.5 - 13.5 ft	
				Sample Type:	N		N		N		FD		N		N		N		N		N		N		N		N	
				Matrix:	SO		SO		SO		SO		SO		SO		SO		SO		SO		SO		SO		SO	
				SDG:	R2010183/R2010184		R2010183/R2010184		R2010183/R2010184		R2010183/R2010184		R2010183/R2010184		R2010183/R2010184		R2010183/R2010184		R2010129/R2010130		R2010129/R2010130		R2010129/R2010130		R2010129/R2010130		R2010129/R2010130	
				Lab Sample ID:	R2010183/184-007		R2010183/184-008		R2010183/184-009		R2010183/184-010		R2010183/184-011		R2010183/184-012		R2010183/184-013		R2010129/130-014		R2010129/130-015		R2010129/130-016		R2010129/130-017		R2010129/130-018	
				Sampled:	10/28/2020		10/28/2020		10/28/2020		10/28/2020		10/28/2020		10/28/2020		10/28/2020		10/27/2020		10/27/2020		10/27/2020		10/27/2020		10/27/2020	
Method	Fraction	Chemical Name	CAS RN	Unit																								
SW8270D	T	4-Bromophenyl Phenyl Ether	101-55-3	ug/kg	200	U	36	U	34	U	36	U	34	U	35	U	35	U	41	U	180	U	37	U	37	U	42	U
SW8270D	T	4-Chloro-3-Methylphenol	59-50-7	ug/kg	200	U	36	U	34	U	36	U	34	U	35	U	35	U	41	U	180	U	37	U	37	U	42	U
SW8270D	T	4-Chloroaniline	106-47-8	ug/kg	200	U	36	U	34	U	36	U	34	U	35	U	35	U	41	U	180	UJ	37	U	37	U	42	U
SW8270D	T	4-Chlorophenyl Phenyl Ether	7005-72-3	ug/kg	200	U	36	U	34	U	36	U	34	U	35	U	35	U	41	U	180	U	37	U	37	U	42	U
SW8270D	T	4-Nitroaniline	100-01-6	ug/kg	200	U	36	U	34	U	36	U	34	U	35	U	35	U	41	U	180	U	37	U	37	U	42	U
SW8270D	T	4-Nitrophenol	100-02-7	ug/kg	200	U	36	UJ	34	UJ	36	U	34	U	35	U	35	U	41	UJ	180	U	37	UJ	37	U	42	UJ
SW8270D	T	Acenaphthene	83-32-9	ug/kg	27	J	12		20		12		5.2	J	7	U	2.1	J	29		29	J	7.5	U	46		8.4	U
SW8270D	T	Acenaphthylene	208-96-8	ug/kg	540		250		320	J	160	J	36		7	U	24		680		600		10		11		3.1	J
SW8270D	T	Acetophenone	98-86-2	ug/kg	200	UJ	36	UJ	34	UJ	36	U	34	U	35	U	35	U	41	U	180	U	37	U	37	UJ	42	U
SW8270D	T	Anthracene	120-12-7	ug/kg	270		150		220	J	100	J	26		7	U	14		330		310		5.3	J	99		8.4	U
SW8270D	T	Atrazine	1912-24-9	ug/kg	200	U	36	UJ	34	UJ	36	U	34	U	35	U	35	U	41	UJ	180	U	37	UJ	37	U	42	UJ
SW8270D	T	Benzaldehyde	100-52-7	ug/kg	200	UJ	36	U	34	U	36	U	34	U	35	U	35	U	41	U	180	UJ	37	U	37	U	42	U
SW8270D	T	Benzo(A)Anthracene	56-55-3	ug/kg	480		250		370		210		77		7.1	U	32		820		700	J	13		190		8.5	U
SW8270D	T	Benzo(A)Pyrene	50-32-8	ug/kg	860		460		630	J	330	J	100		7	U	46		1400		1400		23		190		8.4	U
SW8270D	T	Benzo(B)Fluoranthene	205-99-2	ug/kg	900		520		690	J	350	J	110		7	U	47		1800		1400		26		210		8.4	U
SW8270D	T	Benzo(G,H,I)Perylene	191-24-2	ug/kg	600		320		570	J	240	J	70		7	U	38		1500		950		21		95		8.4	U
SW8270D	T	Benzo(K)Fluoranthene	207-08-9	ug/kg	280		170		220		120		33		7	U	18		570		450		8.6		74		8.4	U
SW8270D	T	Benzyl Butyl Phthalate	85-68-7	ug/kg	1100	U	180	U	180	U	180	U	180	U	180	U	180	U	210	U	920	U	190	U	190	U	220	U
SW8270D	T	Biphenyl (Diphenyl)	92-52-4	ug/kg	200	U	12	J	16	J	13	J	34	U	35	U	35	U	18	J	180	U	37	U	37	U	42	U
SW8270D	T	Bis(2-Chloroethoxy) Methane	111-91-1	ug/kg	200	UJ	36	UJ	34	UJ	36	U	34	U	35	U	35	U	41	U	180	U	37	U	37	UJ	42	U
SW8270D	T	Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	111-44-4	ug/kg	200	U	36	U	34	U	36	U	34	U	35	U	35	U	41	U	180	U	37	U	37	U	42	U
SW8270D	T	Bis(2-Chloroisopropyl) Ether	108-60-1	ug/kg	200	UJ	36	UJ	34	UJ	36	U	34	U	35	U	35	U	41	U	180	U	37	U	37	UJ	42	U
SW8270D	T	Bis(2-Ethylhexyl) Phthalate	117-81-7	ug/kg	3700	U	650	U	620	U	650	U	630	U	640	U	640	U	750	U	3300	U	680	U	680	U	760	U
SW8270D	T	Caprolactam	105-60-2	ug/kg	200	U	36	U	34	UJ	36	U	34	UJ	35	U	35	U	41	U	180	U	37	U	37	U	42	U
SW8270D	T	Carbazole	86-74-8	ug/kg	200	U	30	J	37		24	J	34	U	35	U	35	U	95		110	J	37	U	51		42	U
SW8270D	T	Chrysene	218-01-9	ug/kg	530		280		420		220		81		7	U	35		920		710		16		180		8.4	U
SW8270D	T	Cresols, M & P	MEPH1314	ug/kg	200	U	36	U	34	U	36	U	34	U	35	U	35	U	41	U	180	U	37	U	37	U	42	U
SW8270D	T	Dibenz(A,H)Anthracene	53-70-3	ug/kg	160		76		140	J	58	J	17		7	U	9.1		260		250		4	J	31		8.4	U
SW8270D	T	Dibenzofuran	132-64-9	ug/kg	36	J	21		30		21		5.7	J	7	U	7	U	57		75		7.5	U	15		8.4	U
SW8270D	T	Diethyl Phthalate	84-66-2	ug/kg	1200	U	220	U	210	U	220	U	210	U	210	U	210	U	250	U	1100	U	230	U	230	U	250	U
SW8270D	T	Dimethyl Phthalate	131-11-3	ug/kg	1100	U	180	U	180	U	180	U	180	U	180	U	180	U	210	U	920	U	190	U	190	U	220	U
SW8270D	T	Di-N-Butyl Phthalate	84-74-2	ug/kg	3100	U	540	U	510	U	540	U	520	U	530	U	530	U	630	U	2700	U	570	U	570	U	330	J
SW8270D	T	Di-N-Octylphthalate	117-84-0	ug/kg	1100	U	180	U	180	U	180	U	180	U	180	U	180	U	210	U	920	U	190	U	190	U	220	U
SW8270D	T	Fluoranthene	206-44-0	ug/kg	660		410		540		310		120		7	U	44		1400		1300		19		470		8.4	U
SW8270D	T	Fluorene	86-73-7	ug/kg	70		29		35		23		9.6		7	U	3	J	74		91		7.5	U	37		8.4	U
SW8270D	T	Hexachlorobenzene	118-74-1	ug/kg	41	U	7.2	U	6.9	U	7.2	U	7	U	7.1	U	7.1	U	8.4	U	36	U	7.6	U	7.5	U	8.5	U
SW8270D	T	Hexachlorobutadiene	87-68-3	ug/kg	200	U	36	U	34	U	36	U	34	U	35	U	35	U	41	U	180	U	37	U	37	U	42	U
SW8270D	T	Hexachlorocyclopentadiene	77-47-4	ug/kg	200	UJ	36	U	34	U	36	UJ	34	UJ	35	UJ	35	UJ	41	U	180	UJ	37	U	37	U	42	U
SW8270D	T	Hexachloroethane	67-72-1	ug/kg	200	U	36	U	34	U	36	U	34	U	35	U	35	U	41	U	180	U	37	U	37	U	42	U
SW8270D	T	Indeno(1,2,3-C,D)Pyrene	193-39-5	ug/kg	590		320		560	J	230	J	68		7	U	32		1500		1000		21		110		8.4	U
SW8270D	T	Isophorone	78-59-1	ug/kg	200	UJ	36	UJ	34	UJ	36	U	34	U	35	U	35	U	41	U	180	U	37	U	37	UJ	42	U
SW8270D	T	Naphthalene	91-20-3	ug/kg	220		98		130		120		36		7	U	26		280		290		5.9	J	8.1		8.4	U
SW8270D	T	Nitrobenzene	98-95-3	ug/kg	41	U	7.1	U	6.8	U	7.1	U	6.9	U	7	U	7	U	8.3	U	36	U	7.5	U	7.5	U	8.4	U
SW8270D	T	N-Nitrosodi-N-Propylamine	621-64-7	ug/kg	200	U	36	U	34	U	36	U	34	U	35	U	35	U	41	U	180	U	37	U	37	U	42	U
SW8270D	T	N-Nitrosodiphenylamine	86-30-6	ug/kg	200	U	36	U	34	U	36	U	34	U	35	U	35	U	41	U	180	U	37	U	37	U	42	U
SW8270D	T	Pentachlorophenol	87-86-5	ug/kg	200	UJ	36	UJ	34	UJ	36	U	34	U	35	U	35	U	41	UJ	180	UJ	37	UJ	37	U	42	UJ
SW8270D	T	Phenanthrene	85-01-8	ug/kg	270		190		260		180		80		7	U	27		420		500		9.5		350		8.4	U
SW8270D	T	Phenol	108-95-2	ug/kg	200	U	36	U	34	U	36	U	34	U	35	U	35	U	41	U	180	U	37	U	37	U	42	U
SW8270D	T	Pyrene	129-00-0	ug/kg	760		420		510		340		130		7	U	54		1300		1200		19		360		8.4	U
SW8081B	T	Aldrin	309-00-2	ug/kg					8.9	U	8.9	U											9.7	U				
SW8081B	T	Alpha Bhc (Alpha Hexachlorocyclohexane)	319-84-6	ug/kg					8.9	U	8.9	U											9.7	U				
SW8081B	T	Alpha Endosulfan	959-98-8	ug/kg					8.9	U	8.9	U											9.7	U				
SW8081B	T	Beta Bhc (Beta Hexachlorocyclohexane)	319-85-7	ug/kg					8.9	U	8.9	U											9.7	U				
SW8081B	T	Beta Endosulfan	33213-65-9	ug/kg					8.9	U	8.9	U											9.7	U				
SW8081B	T	Chlordane (Technical)	12789-03-6	ug/kg					8.9	U	8.9	U											9.7	U				
SW8081B	T	cis-Chlordane	5103-71-9	ug/kg					8.9	U	8.9	U											9.7	U				
SW8081B	T	Delta BHC (Delta Hexachlorocyclohexane)	319-86-8	ug/kg					8.9	U	8.9	U											9.7	U				
SW8081B	T	Dieldrin	60-57-1	ug/kg					8.9	U	8.9	U											9.7	U				
SW8081B	T	Endosulfan Sulfate	1031-07-8	ug/kg					8.9	U	8.9	U											9.7	U				
SW8081B	T	Endrin	72-20-8	ug/kg					8.9	U	8.9	U											9.7	U				
SW8081B	T	Endrin Aldehyde	7421-93-4	ug/kg					8.9	U	8.9	U											9.7	U				
SW8081B	T	Endrin Ketone	53494-70-5	ug/kg					8.9	U	8.9	U											9.7	U				
SW8081B	T	Gamma Bhc (Lindane)	58-89-9	ug/kg					8.9	U	8.9	U											9.7	U				
SW8081B	T	Heptachlor	76-44-8	ug/kg					8.9	U	8.9	U											9.7	U				
SW8081B	T	Heptachlor Epoxide	1024-57-3	ug/kg					8.9	U	8.9	U											9.7	U				
SW8081B	T	Methoxychlor	72-43-5	ug/kg					8.9	U	8.9	U											9.7	U				
SW8081B	T	P,P'-DDD	72-54-8	ug/kg					8.9	U	8.9	U											9.7	U				
SW8081B	T	P,P'-DDE	72-55-9	ug/kg					8.9	U	8.9	U											9.7	U				
SW8081B	T	P,P'-DDT	50-29-3	ug/kg					5.2	J	8.9	U											9.7	U				
SW8081B	T	Toxaphene	8001-35-2	ug/kg					170	U	170	U											190	U				
SW8082A	T	PCB-1016 (Aroclor 1016)	12674-11-2	ug/kg					35	U	35	U											38	U				
SW8082A	T	PCB-1221 (Aroclor 1221)	11104-28-2	ug/kg					70	U	71	U											76	U				
SW8082A	T	PCB-1232 (Aroclor 1232)	11141-16-5	ug/kg					35	U	35	U											38	U				
SW8082A	T	PCB-1242 (Aroclor 1242)	53469-21-9	ug/kg					35	U	35	U											38	U				
SW8082A	T	PCB-1248 (Aroclor 1248)	12672-29-6	ug/kg					35	U	35	U											38	U				
SW8082A	T	PCB-1254 (Aroclor 1254)	11097-69-1	ug/kg					35	U	35	U											38	U				
SW8082A	T	PCB-1260 (Aroclor 1260)	11096-82-5	ug/kg					35	U	35	U											38	U				
SW8082A	T	PCB-1262 (Aroclor 1262)	37324-23-5	ug/kg					35	U	35	U											38	U				
SW8082A	T	PCB-1268 (Aroclor 1268)	11100-14-4	ug/kg					35	U	35	U											38	U				
SW8082A	T	Polychlorinated Biphenyl (PCBs)	1336-36-3	ug/kg					33	U	33	U											34	U				
SW8151A	T	Silvex (2,4,5-TP)	93-72-1	ug/kg					11	U	11	U											11	U				
SW6010C	T	Aluminum	7429-90-5	mg/kg	11400		10900		9800		10100		12100		12700		10900		11700		12700		15700		11600		11400	
SW6010C	T	Antimony	7440-36-0	mg/kg	7.2	U	6.2	U	6	U	6.2	U	6.1	U	6.2	U	5.9	U	7.1	U	6.2	U	6.4	U	6.3	U	7.4	U
SW6010C	T	Arsenic	7440-38-2	mg/kg	7.7		11		7.8		6.9		7.3		8.8		6.7		8.7		8.1		8.7		10.6		10	
SW6010C	T	Barium	7440-39-3	mg/kg	138		134		118		122		165		192		161		130		140		134		115		121	
SW6010C	T	Beryllium	7440-41-7	mg/kg	0.529		0.487		0.466		0.466		0.465		0.524		0.419		0.51		0.535		0.588		0.537		0.506	
SW6010C	T	Boron	7440-42-8	mg/kg	13.8	J	13	J	11.3	J	11.9	J	14.3	J	15.4	J	13.6	J	13.2	J	14.2	J	15.6	J	13.4	J	14.7	J
SW6010C	T	Cadmium	7440-43-9	mg/kg	0.409	J	0.435	J	0.357	J	0.435	J	0.364	J	0.267	J	0.273	J	0.368	J	0.37	J	0.299	J	0.147	J	0.247	J
SW6010C	T	Calcium	7440-70-2	mg/kg	4020		22500		13700		15000		4650		1080		4350		2520		7410		2720		4770		519	
CALC	T	Chromium III	16065-83-1	mg/kg					11.2		11.6												18.8					
SW7199	T	Chromium, Hexavalent	18540-29-9	mg/kg					0.16	J	0.15	J											0.43	U				
SW6010C	T	Chromium, Total	7440-47-3	mg/kg	14.4		13		11.7		12.4		18.1		16.1		15.9		14.1		15		18.9		15.3		14.6	
SW6010C	T	Cobalt	7440-48-4	mg/kg	8.5		8.3		6.9		7.8		9.5		10.5		9.3		8.8		9.2		10.3		9.8		10	
SW6010C	T	Copper	7440-50-8	mg/kg	24.5		25.5		24		23.7		27.5		31.2		27.9		20.9		21		22		24.3		25.9	
SW6010C	T	Iron	7439-89-6	mg/kg	23200		23900		20400		21300		26200		29900		26300		22400		25800		28900		26400		27800	
SW6010C	T	Lead	7439-92-1	mg/kg	66.7		62.4		45.3		42		21		14		22.1		33.9		25.8		19.2		14		13.5	
SW6010C	T	Magnesium	7439-95-4	mg/kg	3400		3590		5020		6560		4040		3920		3820		2940		4700		3830		3770		3500	

PARSONS

				Location ID:	STP-SB-01		STP-SB-01		STP-SB-01		STP-SB-01		STP-SB-01		STP-SB-01		STP-SB-02		STP-SB-02		STP-SB-02		STP-SB-02		STP-SB-02	
				Sample ID:	STP-SB-01_0.0-0.5		STP-SB-01_0.5-1.0		STP-SB-01_1.0-2.0		STP-SB-01_1.0-2.0 DUP		STP-SB-01_5.0-7.0		STP-SB-01_8.0-10		STP-SB-01_14.0-16.0		STP-SB-02_0.0-0.5		STP-SB-02_0.5-1.0		STP-SB-02_1.0-2.0		STP-SB-02_5.0-7.0		STP-SB-02_11.5-13.5	
				Depth:	0 - 0.5 ft		0.5 - 1 ft		1 - 2 ft		1 - 2 ft		5 - 7 ft		8 - 10 ft		14 - 16 ft		0 - 0.5 ft		0.5 - 1 ft		1 - 2 ft		5 - 7 ft		11.5 - 13.5 ft	
				Sample Type:	N		N		N		FD		N		N		N		N		N		N		N		N	
				Matrix:	SO		SO		SO		SO		SO		SO		SO		SO		SO		SO		SO		SO	
				SDG:	R2010183/R2010184		R2010183/R2010184		R2010183/R2010184		R2010183/R2010184		R2010183/R2010184		R2010183/R2010184		R2010183/R2010184		R2010129/R2010130		R2010129/R2010130		R2010129/R2010130		R2010129/R2010130		R2010129/R2010130	
				Lab Sample ID:	R2010183/184-007		R2010183/184-008		R2010183/184-009		R2010183/184-010		R2010183/184-011		R2010183/184-012		R2010183/184-013		R2010129/130-014		R2010129/130-015		R2010129/130-016		R2010129/130-017		R2010129/130-018	
				Sampled:	10/28/2020		10/28/2020		10/28/2020		10/28/2020		10/28/2020		10/28/2020		10/28/2020		10/27/2020		10/27/2020		10/27/2020		10/27/2020		10/27/2020	
Method	Fraction	Chemical Name	CAS RN	Unit																								
SW6010C	T	Manganese	7439-96-5	mg/kg	479		443		499		496		430		397		486		469		480		446		327		292	
SW7471	T	Mercury	7439-97-6	mg/kg	0.055		0.054		0.094		0.073		0.016	J	0.035	U	0.032	U	0.057		0.045		0.032	J	0.016	J	0.04	U
SW6010C	T	Nickel	7440-02-0	mg/kg	20.3		18.8		16.9		17.9		22.9		25.8		22.6		19.1		21.1		23.1		23.3		24	
SW6010C	T	Potassium	7440-09-7	mg/kg	1210		954		904		889		1170		1160		993								1060			
SW6010C	T	Selenium	7782-49-2	mg/kg	12	U	1	U	0.545	J	1	U	1	U	0.709	J	0.975	U	1.2	U	1	U	10.7	U	1.1	U	1.2	J
SW6010C	T	Silver	7440-22-4	mg/kg	1.2	U	1	U	0.991	U	1	U	1	U	1	U	0.975	U	1.2	U	1	U	1.1	U	1.1	U	1.2	U
SW6010C	T	Sodium	7440-23-5	mg/kg	120	U	104	U	99.1	U	104	U	158		103	U	97.5	U	119	U	64.2	J	76.4	J	71.1	J	123	U
SW6010C	T	Thallium	7440-28-0	mg/kg	1.2	U	1	U	0.991	U	1	U	1	U	1	U	0.975	U	1.2	U	1	U	1.1	U	1.1	U	1.2	U
SW6010C	T	Vanadium	7440-62-2	mg/kg	19.3		18.5		16.5		16.1		17.5		18.5		16.2		18.2		20.6		24.1		17.3		16.6	
SW6010C	T	Zinc	7440-66-6	mg/kg	93.1		83.3		73.6		79.2		72.2		85		95.8		78.3		75.9		68.7		62.6		67.1	
SW6010C	TCLP	Arsenic	7440-38-2	ug/l	8.1	J	500	U	500	U	500	U	500	U	500	U	500	U	6.1	J	500	U	500	U	500	U	500	U
SW6010C	TCLP	Barium	7440-39-3	ug/l	555	J	907	J	935	J	989	J	1190		717	J	1110		445	J	872	J	373	J	554	J	547	J
SW6010C	TCLP	Cadmium	7440-43-9	ug/l	0.9	J	1.3	J	1.4	J	1.1	J	0.7	J	100	U	0.8	J	0.5	J	0.9	J	100	U	100	U	100	U
SW6010C	TCLP	Chromium, Total	7440-47-3	ug/l	10.5	J	100	U	0.8	J	0.8	J	3.3	J	100	U	4.5	J	6.8	J	100	U	1.7	J	1.1	J	100	U
SW6010C	TCLP	Lead	7439-92-1	ug/l	35.4	J	10	J	2.3	J	2.6	J	5.2	J	100	U	4.2	J	9.9	J	100	U	100	U	100	U	100	U
SW7470	TCLP	Mercury	7439-97-6	ug/l	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
SW6010C	TCLP	Selenium	7782-49-2	ug/l	500	U	500	U	500	U	500	U	8.8	J	11.9	J	500	U	500	U	500	U	500	U	500	U	7.1	J
SW6010C	TCLP	Silver	7440-22-4	ug/l	100	U	100	U	100	U	100	U	100	U	100	U	100	U	100	U	100	U	100	U	100	U	100	U
SW9012B	T	Cyanide	57-12-5	mg/kg					0.28	U	0.28	U											0.23	U				
A2540G	NA	Moisture, Percent	MOIST	%					5.8		5.3												8.5					
A2540G	NA	Total Solids	TSO	%					94.2		94.7												91.5					
E160.3	T	Total Solids	TSO	percent					94.6		94.8																	
SOLIDS	T	Total Solids	TSO	percent	78.5		91.1		95.2		94.7		93.3		91.8		95		81		93.5		89.9		86.3		79.4	
E1664	NA	Sgt Hem (Oil And Grease - Nonpolar	OILGREASENONP	mg/kg					494		607												219	U				

		Location ID:	STP-SB-02		STP-SB-03		STP-SB-03		STP-SB-03		STP-SB-03		STP-SB-03		STP-SB-03		STP-SB-04		STP-SB-04		STP-SB-04		STP-SB-04		STP-SB-04		STP-SB-04		STP-SB-05		STP-SB-05	
		Sample ID:	STP-SB-02_15.0-17.0		STP-SB-03_0.0-0.5		STP-SB-03_0.5-1.0		STP-SB-03_1.0-2.0		STP-SB-03_5.0-7.0		STP-SB-03_9.0-11.0		STP-SB-03_13.0-15.0		STP-SB-04_0.0-0.5		STP-SB-04_0.5-1.0		STP-SB-04_1.0-2.0		STP-SB-04_4.0-6.0		STP-SB-04_9.0-11.0		STP-SB-04_14.0-16.0		STP-SB-05_0.0-0.5		STP-SB-05_0.5-1.0	
		Depth:	15 - 17 ft		0 - 0.5 ft		0.5 - 1 ft		1 - 2 ft		5 - 7 ft		9 - 11 ft		13 - 15 ft		0 - 0.5 ft		0.5 - 1 ft		1 - 2 ft		4 - 6 ft		9 - 11 ft		14 - 16 ft		0 - 0.5 ft		0.5 - 1 ft	
		Sample Type:	N		N		N		N		N		N		N		N		N		N		N		N		N		N		N	
		Matrix:	SO		SO		SO		SO		SO		SO		SO		SO		SO		SO		SO		SO		SO		SO		SO	
		SDG:	R2010129/R2010130		R2010263/R2010264		R2010263/R2010264		R2010263/R2010264		R2010263/R2010264		R2010263/R2010264		R2010263/R2010264		R2010263/R2010264		R2010263/R2010264		R2010263/R2010264		R2010263/R2010264		R2010263/R2010264		R2010263/R2010264		R2010129/R2010130		R2010129/R2010130	
		Lab Sample ID:	R2010129/130-019		R2010263/264-001		R2010263/264-002		R2010263/264-003		R2010263/264-004		R2010263/264-005		R2010263/264-006		R2010263/264-007		R2010263/264-008		R2010263/264-009		R2010263/264-010		R2010263/264-011		R2010263/264-012		R2010129/130-001		R2010129/130-002	
		Sampled:	10/27/2020		10/29/2020		10/29/2020		10/29/2020		10/29/2020		10/29/2020		10/29/2020		10/29/2020		10/29/2020		10/29/2020		10/29/2020		10/29/2020		10/29/2020		10/27/2020		10/27/2020	
Method	Fraction	Chemical Name	CAS RN	Unit																												
E537	T	2-(N-methyl perfluorooctanesulfonamido) acetic acid	2355-31-9	ng/g							1.2	U									1.1	U										
E537	T	N-Ethyl-N-((heptadecafluorooctyl)sulphonyl) glycine	2991-50-6	ng/g							1.2	U									1.1	U										
E537	T	Perfluorobutanesulfonic acid (PFBS)	375-73-5	ng/g							1.2	U									1.1	U										
E537	T	Perfluorobutanoic Acid	375-22-4	ng/g							1.2	U									1.1	U										
E537	T	Perfluorodecane Sulfonic Acid	335-77-3	ng/g							1.2	U									1.1	U										
E537	T	Perfluorodecanoic acid (PFDA)	335-76-2	ng/g							1.2	U									1.1	U										
E537	T	Perfluorododecanoic acid (PFDoA)	307-55-1	ng/g							1.2	U									1.1	U										
E537	T	Perfluoroheptane Sulfonate (PFHPS)	375-92-8	ng/g							1.2	U									1.1	U										
E537	T	Perfluoroheptanoic acid (PFHpA)	375-85-9	ng/g							1.2	U									1.1	U										
E537	T	Perfluorohexanesulfonic acid (PFHxS)	355-46-4	ng/g							1.2	U									1.1	U										
E537	T	Perfluorohexanoic acid (PFHxA)	307-24-4	ng/g							1.2	U									1.1	U										
E537	T	Perfluorononanoic acid (PFNA)	375-95-1	ng/g							1.2	U									1.1	U										
E537	T	Perfluorooctane Sulfonamide (FOSA)	754-91-6	ng/g							1.2	U									1.1	U										
E537	T	Perfluorooctanesulfonic acid (PFOS)	1763-23-1	ng/g							1.2	U									1.1	U										
E537	T	Perfluorooctanoic acid (PFOA)	335-67-1	ng/g							1.2	U									1.1	U										
E537	T	Perfluoropentanoic Acid (PFPeA)	2706-90-3	ng/g							1.2	U									1.1	U										
E537	T	Perfluorotetradecanoic acid (PFTA)	376-06-7	ng/g							1.2	U									1.1	U										
E537	T	Perfluorotridecanoic Acid (PFTriA)	72629-94-8	ng/g							1.2	U									1.1	U										
E537	T	Perfluoroundecanoic Acid (PFUnA)	2058-94-8	ng/g							1.2	U									1.1	U										
E537	T	Sodium 1H,1H,2H,2H-Perfluorodecane Sulfonate (8:2)	39108-34-4	ng/g							1.2	U									1.1	U										
E537	T	Sodium 1H,1H,2H,2H-Perfluorooctane Sulfonate (6:2)	27619-97-2	ng/g							1.2	U									1.1	U										
SW8260C	T	1,1,1-Trichloroethane (TCA)	71-55-6	ug/kg							5.1	U									6	U										
SW8260C	T	1,1,2,2-Tetrachloroethane	79-34-5	ug/kg							5.1	U									6	U										
SW8260C	T	1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	ug/kg							5.1	U									6	U										
SW8260C	T	1,1,2-Trichloroethane	79-00-5	ug/kg							5.1	U									6	U										
SW8260C	T	1,1-Dichloroethane	75-34-3	ug/kg							5.1	U									6	U										
SW8260C	T	1,1-Dichloroethene	75-35-4	ug/kg							5.1	U									6	U										
SW8260C	T	1,2,3-Trichlorobenzene	87-61-6	ug/kg							5.1	U									6	U										
SW8260C	T	1,2,4-Trichlorobenzene	120-82-1	ug/kg							5.1	U									6	U										
SW8260C	T	1,2,4-Trimethylbenzene	95-63-6	ug/kg							5.1	U									6	U										
SW8260C	T	1,2-Dibromo-3-Chloropropane	96-12-8	ug/kg							5.1	U									6	U										
SW8260C	T	1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	ug/kg							5.1	U									6	U										
SW8260C	T	1,2-Dichlorobenzene	95-50-1	ug/kg							5.1	U									6	U										
SW8260C	T	1,2-Dichloroethane	107-06-2	ug/kg							5.1	U									6	U										
SW8260C	T	1,2-Dichloropropane	78-87-5	ug/kg							5.1	U									6	U										
SW8260C	T	1,3,5-Trimethylbenzene (Mesitylene)	108-67-8	ug/kg							5.1	U									6	U										
SW8260C	T	1,3-Dichlorobenzene	541-73-1	ug/kg							5.1	U									6	U										
SW8260C	T	1,4-Dichlorobenzene	106-46-7	ug/kg							5.1	U									6	U										
SW8260C	T	2-Hexanone	591-78-6	ug/kg							5.1	U									6	U										
SW8260C	T	Acetone	67-64-1	ug/kg							8.4										10											
SW8260C	T	Benzene	71-43-2	ug/kg							5.1	U									6	U										
SW8260C	T	Bromochloromethane	74-97-5	ug/kg							5.1	U									6	U										
SW8260C	T	Bromodichloromethane	75-27-4	ug/kg							5.1	U									6	U										
SW8260C	T	Bromoform	75-25-2	ug/kg							5.1	U									6	U										
SW8260C	T	Bromomethane	74-83-9	ug/kg							5.1	UJ									6	UJ										
SW8260C	T	Carbon Disulfide	75-15-0	ug/kg							5.1	U									6	U										
SW8260C	T	Carbon Tetrachloride	56-23-5	ug/kg							5.1	UJ									6	UJ										
SW8260C	T	Chlorobenzene	108-90-7	ug/kg							5.1	U									6	U										
SW8260C	T	Chloroethane	75-00-3	ug/kg							5.1	U									6	U										
SW8260C	T	Chloroform	67-66-3	ug/kg							5.1	U									6	U										
SW8260C	T	Chloromethane	74-87-3	ug/kg							5.1	U									6	U										
SW8260C	T	Cis-1,2-Dichloroethylene	156-59-2	ug/kg							5.1	U									6	U										
SW8260C	T	Cis-1,3-Dichloropropene	10061-01-5	ug/kg							5.1	U									6	U										
SW8260C	T	Cyclohexane	110-82-7	ug/kg							5.1	U									6	U										
SW8260C	T	Dibromochloromethane	124-48-1	ug/kg							5.1	U									6	U										
SW8260C	T	Dichlorodifluoromethane	75-71-8	ug/kg							5.1	U									6	U										
SW8260C	T	Ethylbenzene	100-41-4	ug/kg							5.1	U									6	U										
SW8260C	T	Isopropylbenzene (Cumene)	98-82-8	ug/kg							5.1	U									6	U										
SW8260C	T	m,p-Xylene	179601-23-1	ug/kg							10	U									12	U										
SW8260C	T	Methyl Acetate	79-20-9	ug/kg							5.1	U									6	U										
SW8260C	T	Methyl Ethyl Ketone (2-Butanone)	78-93-3	ug/kg							5.1	U									6	U										
SW8260C	T	Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	108-10-1	ug/kg							5.1	U									6	U										
SW8260C	T	Methylcyclohexane	108-87-2	ug/kg							5.1	U									6	U										
SW8260C	T	Methylene Chloride	75-09-2	ug/kg							5.1	U									6	U										
SW8260C	T	N-Butylbenzene	104-51-8	ug/kg							5.1	U									6	U										
SW8260C	T	N-Propylbenzene	103-65-1	ug/kg							5.1	U									6	U										
SW8260C	T	O-Xylene (1,2-Dimethylbenzene)	95-47-6	ug/kg							5.1	U									6	U										
SW8260C	T	Sec-Butylbenzene	135-98-8	ug/kg							5.1	U									6	U										
SW8260C	T	Styrene	100-42-5	ug/kg							5.1	U									6	U										
SW8260C	T	T-Butylbenzene	98-06-6	ug/kg							5.1	U									6	U										
SW8260C	T	Tert-Butyl Methyl Ether	1634-04-4	ug/kg							5.1	U									6	U										
SW8260C	T	Tetrachloroethylene (PCE)	127-18-4	ug/kg							5.1	U									6	U										
SW8260C	T	Toluene	108-88-3	ug/kg							5.1	U									6	U										
SW8260C	T	Trans-1,2-Dichloroethene	156-60-5	ug/kg							5.1	U									6	U										
SW8260C	T	Trans-1,3-Dichloropropene	10061-02-6	ug/kg							5.1	U									6	U										
SW8260C	T	Trichloroethylene (TCE)	79-01-6	ug/kg							5.1	U									6	U										
SW8260C	T	Trichlorofluoromethane	75-69-4	ug/kg							5.1	UJ									6	UJ										
SW8260C	T	Vinyl Chloride	75-01-4	ug/kg							5.1	U									6	U										
SW8270D	T	1,2,4,5-Tetrachlorobenzene	95-94-3	ug/kg	42	U	38	U	37	U	39	U	38	U	38	U	36	U	44	U	39	U	37	U	37	U	37	U	39	U	39	U	34	U
SW8270D	T	1,4-Dioxane (P-Dioxane)	123-91-1	ug/kg	85	U	76	U	75	U	79	U	77	U	78	U	73	U	89	U	78	U	75	U	76	U	76	U	79	U	78	U	70	U
SW8270D	T	2,3,4,6-Tetrachlorophenol	58-90-2	ug/kg	42	U	38	U	37	U	39	U	38	U	38	U	36	U	44	U	39	U	37	U	37	U	37	U	39	U	39	U	34	U
SW8270D	T	2,4,5-Trichlorophenol	95-95-4	ug/kg	42	U	38	U	37	U	39	U	38	U	38	U	36	U	44	U	39	U	37	U	37	U	37	U	39	U	39	U	34	U
SW8270D	T	2,4,6-Trichlorophenol	88-06-2	ug/kg	42	U	38	U	37	U	39	U	38	U	38	U	36	U	44	U	39	U	37	U	37	U	37	U	39	U	39	U	34	U
SW8270D	T	2,4-Dichlorophenol	120-83-2	ug/kg	42	U	38	U	37	U	39	U	38	U	38	U	36	U	44	U	39	U	37	U	37	U	37	U	39	U	39	U	34	U
SW8270D	T	2,4-Dimethylphenol	105-67-9	ug/kg	42	U	38	U	37	U	39	U	38	U	38	U	36	U	44	U	39	U	37	U	37	U	37	U	39	U	39	U	34	U
SW8270D	T	2,4-Dinitrophenol	51-28-5	ug/kg	42	UJ	38	U	37	U	39	U	38	U	38	U	36	U	44	U	39	U	37	U	37	U	37	U	39	U	39	U	34	U
SW8270D	T	2,4-Dinitrotoluene	121-14-2	ug/kg	42	U	38	U	37	U	39	U	38	U	38	U	36	U	44	U	39	U	37	U	37	U	37	U	39	U	39	U	34	U
SW8270D	T	2,6-Dinitrotoluene	606-20-2	ug/kg	42	U	38	U	37	U	39	U	38	U	38	U	36	U	44	U	39	U	37	U	37	U	37	U	39	U	39	U	34	U
SW8270D	T	2-Chloronaphthalene	91-58-7	ug/kg	42	U	38	U	37	U	39	U	38	U	38	U	36	U	44	U	39	U	37	U	37	U	37	U	39	U	39	U	34	U
SW8270D	T	2-Chlorophenol	95-57-8	ug/kg	42	U	38	U	37	U	39	U	38	U	38	U	36	U	44	U	39	U	37	U	37	U	37	U	39	U	39	U	34	U
SW8270D	T	2-Methylnaphthalene	91-57-6	ug/kg	8.4	U	45		2.2	J	7.8	U	7.5	U	7.7	U	7.2	U	98		2.9	J	7.4	U	4	J	7.5	U	7.8	U	3.8	J	6.9	U
SW8270D	T	2-Methylphenol (O-Cresol)	95-48-7	ug/kg	42	U	38	U	37	U	39	U	38	U	38	U	36	U	44	U	39	U	37	U	37	U	37	U	39	U	39	U	34	U
SW8270D	T	2-Nitroaniline	88-74-4	ug/kg	42	U	38	U	37	U	39	U	38	U	38	U	36	U	44	U	39	U	37	U	37	U	37	U	39	U	39	U	34	U
SW8270D	T	2-Nitrophenol	88-75-5	ug/kg	42	U	38	U	37	U	39	U	38	U	38	U	36	U	44	U	39	U	37	U	37	U	37	U	39	U	39	U	34	U
SW8270D	T	3,3'-Dichlorobenzidine	91-94-1	ug/kg	42	U	38	UJ	37	UJ	39	UJ	38	UJ	38	UJ	36	UJ	44	UJ	39	UJ	37	UJ	37	UJ	37	U	39	U	39	U	34	U
SW8270D	T	3-Nitroaniline	99-09-2	ug/kg	42	U	38	U	37	U	39	U	38	U	38	U	36	U	44	U	39	U	37	U	37	U	37	U	39	U	39	U	34	U
SW8270D	T	4,6-Dinitro-2-Methylphenol	534-52-1	ug/kg	42	U	38	U	37	U	39	U	38	U	38	U	36	U	44	U	39	U	37	U	37	U	37	U	39	U	39	U	34	U

				Location ID:	STP-SB-02	STP-SB-03	STP-SB-03	STP-SB-03	STP-SB-03	STP-SB-03	STP-SB-03	STP-SB-04	STP-SB-04	STP-SB-04	STP-SB-04	STP-SB-04	STP-SB-04	STP-SB-05	STP-SB-05
				Sample ID:	STP-SB-02_15.0-17.0	STP-SB-03_0.0-0.5	STP-SB-03_0.5-1.0	STP-SB-03_1.0-2.0	STP-SB-03_5.0-7.0	STP-SB-03_9.0-11.0	STP-SB-03_13.0-15.0	STP-SB-04_0.0-0.5	STP-SB-04_0.5-1.0	STP-SB-04_1.0-2.0	STP-SB-04_4.0-6.0	STP-SB-04_9.0-11.0	STP-SB-04_14.0-16.0	STP-SB-05_0.0-0.5	STP-SB-05_0.5-1.0
				Depth:	15 - 17 ft	0 - 0.5 ft	0.5 - 1 ft	1 - 2 ft	5 - 7 ft	9 - 11 ft	13 - 15 ft	0 - 0.5 ft	0.5 - 1 ft	1 - 2 ft	4 - 6 ft	9 - 11 ft	14 - 16 ft	0 - 0.5 ft	0.5 - 1 ft
				Sample Type:	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
				Matrix:	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
				SDG:	R2010129/R2010130	R2010263/R2010264	R2010263/R2010264	R2010263/R2010264	R2010263/R2010264	R2010263/R2010264	R2010263/R2010264	R2010263/R2010264	R2010263/R2010264	R2010263/R2010264	R2010263/R2010264	R2010263/R2010264	R2010263/R2010264	R2010129/R2010130	R2010129/R2010130
				Lab Sample ID:	R2010129/130-019	R2010263/264-001	R2010263/264-002	R2010263/264-003	R2010263/264-004	R2010263/264-005	R2010263/264-006	R2010263/264-007	R2010263/264-008	R2010263/264-009	R2010263/264-010	R2010263/264-011	R2010263/264-012	R2010129/130-001	R2010129/130-002
				Sampled:	10/27/2020	10/29/2020	10/29/2020	10/29/2020	10/29/2020	10/29/2020	10/29/2020	10/29/2020	10/29/2020	10/29/2020	10/29/2020	10/29/2020	10/29/2020	10/27/2020	10/27/2020
Method	Fraction	Chemical Name	CAS RN	Unit															
SW8270D	T	4-Bromophenyl Phenyl Ether	101-55-3	ug/kg	42 U	38 U	37 U	39 U	38 U	38 U	36 U	44 U	39 U	37 U	37 U	37 U	39 U	39 U	34 U
SW8270D	T	4-Chloro-3-Methylphenol	59-50-7	ug/kg	42 U	38 U	37 U	39 U	38 U	38 U	36 U	44 U	39 U	37 U	37 U	37 U	39 U	39 U	34 U
SW8270D	T	4-Chloroaniline	106-47-8	ug/kg	42 U	38 U	37 U	39 U	38 U	38 U	36 U	44 U	39 U	37 U	37 U	37 U	39 U	39 U	34 U
SW8270D	T	4-Chlorophenyl Phenyl Ether	7005-72-3	ug/kg	42 U	38 U	37 U	39 U	38 U	38 U	36 U	44 U	39 U	37 U	37 U	37 U	39 U	39 U	34 U
SW8270D	T	4-Nitroaniline	100-01-6	ug/kg	42 U	38 U	37 U	39 U	38 U	38 U	36 U	44 U	39 U	37 U	37 U	37 U	39 U	39 U	34 U
SW8270D	T	4-Nitrophenol	100-02-7	ug/kg	42 U	38 U	37 U	39 U	38 U	38 U	36 U	44 U	39 U	37 U	37 U	37 U	39 U	39 U	34 U
SW8270D	T	Acenaphthene	83-32-9	ug/kg	8.4 U	17	2 J	7.8 U	7.5 U	7.7 U	7.2 U	13	7.7 U	7.4 U	7.5 U	7.5 U	7.8 U	7.7 U	6.9 U
SW8270D	T	Acenaphthylene	208-96-8	ug/kg	3.6 J	680	19	6.5 J	2.5 J	8.1	7.2 U	400	15	3.8 J	14	7.5 U	7.8 U	30	6.9 U
SW8270D	T	Acetophenone	98-86-2	ug/kg	42 UJ	38 U	37 U	39 U	38 U	38 U	36 U	44 U	39 U	37 U	37 U	37 U	39 U	39 U	34 U
SW8270D	T	Anthracene	120-12-7	ug/kg	8.4 U	290	7.5	7.8 U	7.5 U	7.7 U	7.2 U	200	6.7 J	7.4 U	7.5 J	7.5 U	7.8 U	11	6.9 U
SW8270D	T	Atrazine	1912-24-9	ug/kg	42 U	38 U	37 U	39 U	38 U	38 U	36 U	44 U	39 U	37 U	37 U	37 U	39 U	39 U	34 U
SW8270D	T	Benzaldehyde	100-52-7	ug/kg	42 U	38 U	37 U	39 U	38 U	38 U	36 U	44 U	39 U	37 U	37 U	37 U	39 U	39 U	34 U
SW8270D	T	Benzo(A)Anthracene	56-55-3	ug/kg	8.5 U	1100	13	7.9 U	7.6 U	6.4 J	7.3 U	310	12	7.4 U	11	7.5 U	7.9 U	31	6.9 U
SW8270D	T	Benzo(A)Pyrene	50-32-8	ug/kg	8.4 U	2000	29	11	7.5 U	11	7.2 U	580	23	7.4 U	20	7.5 U	3.9 J	64	5.2 J
SW8270D	T	Benzo(B)Fluoranthene	205-99-2	ug/kg	8.4 U	1900	30	8.4	7.5 U	11	7.2 U	570	21	4.5 J	19	7.5 U	4.9 J	74	7.6
SW8270D	T	Benzo(G,H,I)Perylene	191-24-2	ug/kg	8.4 U	1200	27	9.2	7.5 U	12	7.2 U	450	17	3.7 J	21	7.5 U	3.4 J	54	5.8 J
SW8270D	T	Benzo(K)Fluoranthene	207-08-9	ug/kg	8.4 U	450	9.7	7.8 U	7.5 U	7.7 U	7.2 U	180	7.5 J	7.4 U	7.4 J	7.5 U	7.8 U	26	6.9 U
SW8270D	T	Benzyl Butyl Phthalate	85-68-7	ug/kg	220 U	190 U	190 U	200 U	190 U	200 U	190 U	230 U	200 U	190 U	190 U	190 U	200 U	200 U	180 U
SW8270D	T	Biphenyl (Diphenyl)	92-52-4	ug/kg	42 U	38 U	37 U	39 U	38 U	38 U	36 U	12 J	39 U	37 U	37 U	37 U	39 U	39 U	34 U
SW8270D	T	Bis(2-Chloroethoxy) Methane	111-91-1	ug/kg	42 UJ	38 U	37 U	39 U	38 U	38 U	36 U	44 U	39 U	37 U	37 U	37 U	39 U	39 U	34 U
SW8270D	T	Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	111-44-4	ug/kg	42 U	38 U	37 U	39 U	38 U	38 U	36 U	44 U	39 U	37 U	37 U	37 U	39 U	39 U	34 U
SW8270D	T	Bis(2-Chloroisopropyl) Ether	108-60-1	ug/kg	42 UJ	38 U	37 U	39 U	38 U	38 U	36 U	44 U	39 U	37 U	37 U	37 U	39 U	39 U	34 U
SW8270D	T	Bis(2-Ethylhexyl) Phthalate	117-81-7	ug/kg	770 U	680 U	670 U	710 U	690 U	700 U	650 U	800 U	700 U	670 U	680 U	680 U	710 U	700 U	620 U
SW8270D	T	Caprolactam	105-60-2	ug/kg	42 U	38 U	37 U	39 U	38 U	38 U	36 U	44 U	39 U	37 U	37 U	37 U	39 U	39 U	34 U
SW8270D	T	Carbazole	86-74-8	ug/kg	42 U	41	37 U	39 U	38 U	38 U	36 U	24 J	39 U	37 U	37 U	37 U	39 U	39 U	34 U
SW8270D	T	Chrysene	218-01-9	ug/kg	8.4 U	1100	14	7.8 U	7.5 U	4.9 J	7.2 U	400	13	7.4 U	10	7.5 U	7.8 U	35	3 J
SW8270D	T	Cresols, M & P	MEPH1314	ug/kg	42 U	38 U	37 U	39 U	38 U	38 U	36 U	44 U	39 U	37 U	37 U	37 U	39 U	39 U	34 U
SW8270D	T	Dibenz(A,H)Anthracene	53-70-3	ug/kg	8.4 U	310	7.3 U	7.8 U	7.5 U	7.7 U	7.2 U	120	4.4 J	7.4 U	4.4 J	7.5 U	7.8 U	12	6.9 U
SW8270D	T	Dibenzofuran	132-64-9	ug/kg	8.4 U	18	7.3 U	7.8 U	7.5 U	7.7 U	7.2 U	24	7.7 U	7.4 U	7.5 U	7.5 U	7.8 U	7.7 U	6.9 U
SW8270D	T	Diethyl Phthalate	84-66-2	ug/kg	260 U	230 U	220 U	240 U	230 U	230 U	220 U	270 U	230 U	220 U	230 U	230 U	240 U	230 U	210 U
SW8270D	T	Dimethyl Phthalate	131-11-3	ug/kg	220 U	190 U	190 U	200 U	190 U	200 U	190 U	230 U	200 U	190 U	190 U	190 U	200 U	200 U	180 U
SW8270D	T	Di-N-Butyl Phthalate	84-74-2	ug/kg	640 U	570 U	560 U	590 U	570 U	580 U	540 U	670 U	580 U	560 U	560 U	570 U	590 U	590 U	520 U
SW8270D	T	Di-N-Octylphthalate	117-84-0	ug/kg	220 U	190 U	190 U	200 U	190 U	200 U	190 U	230 U	200 U	190 U	190 U	190 U	200 U	200 U	180 U
SW8270D	T	Fluoranthene	206-44-0	ug/kg	8.4 U	1500	19	7.8 U	7.5 U	7.1 J	7.2 U	390	20	7.4 U	20	7.5 U	6.9 J	42	6.9 U
SW8270D	T	Fluorene	86-73-7	ug/kg	8.4 U	43	7.3 U	7.8 U	7.5 U	7.7 U	7.2 U	49	7.7 U	7.4 U	7.5 U	7.5 U	7.8 U	2.4 J	6.9 U
SW8270D	T	Hexachlorobenzene	118-74-1	ug/kg	8.5 U	7.6 U	7.4 U	7.9 U	7.6 U	7.7 U	7.3 U	8.9 U	7.8 U	7.4 U	7.5 U	7.5 U	7.8 U	7.8 U	6.9 U
SW8270D	T	Hexachlorobutadiene	87-68-3	ug/kg	42 U	38 U	37 U	39 U	38 U	38 U	36 U	44 U	39 U	37 U	37 U	37 U	39 U	39 U	34 U
SW8270D	T	Hexachlorocyclopentadiene	77-47-4	ug/kg	42 U	38 UJ	37 UJ	39 UJ	38 UJ	38 UJ	36 UJ	44 UJ	39 UJ	37 UJ	37 UJ	38 U	39 U	39 U	34 U
SW8270D	T	Hexachloroethane	67-72-1	ug/kg	42 U	38 U	37 U	39 U	38 U	38 U	36 U	44 U	39 U	37 U	37 U	37 U	39 U	39 U	34 U
SW8270D	T	Indeno(1,2,3-C,D)Pyrene	193-39-5	ug/kg	8.4 U	1400	24	7.1 J	7.5 U	12	7.2 U	470	18	7.4 U	19	7.5 U	7.8 U	56	5.5 J
SW8270D	T	Isophorone	78-59-1	ug/kg	42 UJ	38 U	37 U	39 U	38 U	38 U	36 U	44 U	39 U	37 U	37 U	37 U	39 U	39 U	34 U
SW8270D	T	Naphthalene	91-20-3	ug/kg	8.4 U	100	5.3 J	7.8 U	7.5 U	7.7 U	7.2 U	150	6.4 J	7.4 U	6.1 J	7.5 U	7.8 U	9.2	6.9 U
SW8270D	T	Nitrobenzene	98-95-3	ug/kg	8.4 U	7.5 U	7.3 U	7.8 U	7.5 U	7.7 U	7.2 U	8.8 U	7.7 U	7.4 U	7.5 U	7.5 U	7.8 U	7.7 U	6.9 U
SW8270D	T	N-Nitrosodi-N-Propylamine	621-64-7	ug/kg	42 U	38 U	37 U	39 U	38 U	38 U	36 U	44 U	39 U	37 U	37 U	37 U	39 U	39 U	34 U
SW8270D	T	N-Nitrosodiphenylamine	86-30-6	ug/kg	42 U	38 U	37 U	39 U	38 U	38 U	36 U	44 U	39 U	37 U	37 U	37 U	39 U	39 U	34 U
SW8270D	T	Pentachlorophenol	87-86-5	ug/kg	42 U	38 U	37 U	39 U	38 U	38 U	36 U	44 U	39 U	37 U	37 U	37 U	39 U	39 U	34 U
SW8270D	T	Phenanthrene	85-01-8	ug/kg	8.4 U	160	5.8 J	7.8 U	7.5 U	7.7 U	7.2 U	140	6.6 J	7.4 U	9.9	7.5 U	6.8 J	16	6.9 U
SW8270D	T	Phenol	108-95-2	ug/kg	42 U	11 J	37 U	39 U	38 U	38 U	36 U	44 U	39 U	37 U	37 U	37 U	39 U	39 U	34 U
SW8270D	T	Pyrene	129-00-0	ug/kg	8.4 U	1500	18	6.4 J	7.5 U	8	7.2 U	550	24	7.4 U	22	7.5 U	5.7 J	42	3.5 J
SW8081B	T	Aldrin	309-00-2	ug/kg				2.1 U						1.9 U					
SW8081B	T	Alpha Bhc (Alpha Hexachlorocyclohexane)	319-84-6	ug/kg				2.1 U						1.9 U					
SW8081B	T	Alpha Endosulfan	959-98-8	ug/kg				2.1 U						1.9 U					
SW8081B	T	Beta Bhc (Beta Hexachlorocyclohexane)	319-85-7	ug/kg				2.1 U						1.9 U					
SW8081B	T	Beta Endosulfan	33213-65-9	ug/kg				2.1 U						1.9 U					
SW8081B	T	Chlordane (Technical)	12789-03-6	ug/kg				2.1 U						1.9 U					
SW8081B	T	cis-Chlordane	5103-71-9	ug/kg				2.1 U						1.9 U					
SW8081B	T	Delta BHC (Delta Hexachlorocyclohexane)	319-86-8	ug/kg				2.1 U						1.9 U					
SW8081B	T	Dieldrin	60-57-1	ug/kg				2.1 U						1.9 U					
SW8081B	T	Endosulfan Sulfate	1031-07-8	ug/kg				2.1 U						1.9 U					
SW8081B	T	Endrin	72-20-8	ug/kg				2.1 U						1.9 U					
SW8081B	T	Endrin Aldehyde	7421-93-4	ug/kg				2.1 U						1.9 U					
SW8081B	T	Endrin Ketone	53494-70-5	ug/kg				2.1 U						1.9 U					
SW8081B	T	Gamma Bhc (Lindane)	58-89-9	ug/kg				2.1 U						1.9 U					
SW8081B	T	Heptachlor	76-44-8	ug/kg				2.1 U						1.9 U					
SW8081B	T	Heptachlor Epoxide	1024-57-3	ug/kg				2.1 U						1.9 U					
SW8081B	T	Methoxychlor	72-43-5	ug/kg				2.1 U						1.9 U					
SW8081B	T	P,P'-DDD	72-54-8	ug/kg				2.1 U						1.9 U					
SW8081B	T	P,P'-DDE	72-55-9	ug/kg				2.1 U						1.9 U					
SW8081B	T	P,P'-DDT	50-29-3	ug/kg				2.1 U						1.9 U					
SW8081B	T	Toxaphene	8001-35-2	ug/kg				41 U						37 U					
SW8082A	T	PCB-1016 (Aroclor 1016)	12674-11-2	ug/kg				41 U						37 U					
SW8082A	T	PCB-1221 (Aroclor 1221)	11104-28-2	ug/kg				83 U						75 U					
SW8082A	T	PCB-1232 (Aroclor 1232)	11141-16-5	ug/kg				41 U						37 U					
SW8082A	T	PCB-1242 (Aroclor 1242)	53469-21-9	ug/kg				41 U						37 U					
SW8082A	T	PCB-1248 (Aroclor 1248)	12672-29-6	ug/kg				41 U						37 U					
SW8082A	T	PCB-1254 (Aroclor 1254)	11097-69-1	ug/kg				41 U						37 U					
SW8082A	T	PCB-1260 (Aroclor 1260)	11096-82-5	ug/kg				41 U						37 U					
SW8082A	T	PCB-1262 (Aroclor 1262)	37324-23-5	ug/kg				41 U						37 U					
SW8082A	T	PCB-1268 (Aroclor 1268)	11100-14-4	ug/kg				41 U						37 U					
SW8082A	T	Polychlorinated Biphenyl (PCBs)	1336-36-3	ug/kg				33 U						33 U					
SW8151A	T	Silvex (2,4,5-TP)	93-72-1	ug/kg				12 U						11 U					
SW6010C	T	Aluminum	7429-90-5	mg/kg	12300	9940	12900	11900	13500	13400	14200	12400	12100	13500	13200	13800	13300	13800	13800
SW6010C	T	Antimony	7440-36-0	mg/kg	6.8 U	6.9 U	6.3 U	6.8 U	6.9 U	6.5 U	6.5 U	8.1 U	6.6 U	6.5 U	6.1 UJ	6.7 U	6.7 U	6.6 U	6 U
SW6010C	T	Arsenic	7440-38-2	mg/kg	11.1	7	9.2	10.2	11.3	10.5	10.9	7.7	8.1	8.6	12.2 J	10.4	11.2	8.8	11.8
SW6010C	T	Barium	7440-39-3	mg/kg	143	86.6	85	168	208	184	157	156	78.4	284	226	198	164	169	179
SW6010C	T	Beryllium	7440-41-7	mg/kg	0.536	0.412	0.49	0.519	0.82	0.624	0.657	0.58	0.491	0.553	0.574	0.635	0.607	0.508	0.529
SW6010C	T	Boron	7440-42-8	mg/kg	16 J	11.9 J	14.7 J	14.7 J	18.2 J	16 J	17.2 J	13.5 J	13.9 J	15.2 J	16.9 J	16.2 J	16.1 J	15.4 J	16.6 J
SW6010C	T	Cadmium	7440-43-9	mg/kg	0.285 J	0.573 U	0.292 J	0.282 J	0.335 J	0.29 J	0.269 J	0.675 U	0.284 J	0.542 U	0.302 J	0.279 J	0.562 U	0.772	0.309 J
SW6010C	T	Calcium	7440-70-2	mg/kg	1060	2560	1090	685	1220	1380	1510	3230	1280	1260	1620	1490	1610	1590	1090
CALC	T	Chromium III	16065-83-1	mg/kg				12						14.5					
SW7199	T	Chromium, Hexavalent	18540-29-9	mg/kg				0.19 J						0.15 J					
SW6010C	T	Chromium, Total	7440-47-3	mg/kg	17.5	11.9	16.6	14.8	17.9	18.9	18.9	15.4	14.8	16.5	18.2	18.2	19.7	17.3	17.3
SW6010C	T	Cobalt	7440-48-4	mg/kg	10.3	7.4	10.3	9.9	12.2	11.9	11.5	9.5	8.2	11	11.4	12.2	12	9.7	12
SW6010C	T	Copper	7440-50-8	mg/kg	28.1	15	17.7	25.4	19.1	17.6	25	18	9.4	20.3	29.5	17.6	17.7	30.8	37.8
SW6010C	T	Iron	7439-89-6	mg/kg	30100	18600	27700	27600	35500	30400	32900	22500	26400	27800	33100	31200	30000	28700	33100
SW6010C	T	Lead	7439-92-1	mg/kg	13.6	21.3	12.5	11.4	10.9	9.9	10.9	30.3	12.1	16.8	30.6 J	9.4	26.7	23	14.6
SW6010C	T	Magnesium	7439-95-4	mg/kg	3870	2640	3770	3460	4200	4180	4770	2740	3090	3740	3780	4310	4250	3780	4220

				Location ID:	STP-SB-02	STP-SB-03	STP-SB-03	STP-SB-03	STP-SB-03	STP-SB-03	STP-SB-03
				Sample ID:	STP-SB-02_15.0-17.0	STP-SB-03_0.0-0.5	STP-SB-03_0.5-1.0	STP-SB-03_1.0-2.0	STP-SB-03_5.0-7.0	STP-SB-03_9.0-11.0	STP-SB-03_13.0-15.0
				Depth:	15 - 17 ft	0 - 0.5 ft	0.5 - 1 ft	1 - 2 ft	5 - 7 ft	9 - 11 ft	13 - 15 ft
				Sample Type:	N	N	N	N	N	N	N
				Matrix:	SO	SO	SO	SO	SO	SO	SO
				SDG:	R2010129/R2010130	R2010263/R2010264	R2010263/R2010264	R2010263/R2010264	R2010263/R2010264	R2010263/R2010264	R2010263/R2010264
				Lab Sample ID:	R2010129/130-019	R2010263/264-001	R2010263/264-002	R2010263/264-003	R2010263/264-004	R2010263/264-005	R2010263/264-006
				Sampled:	10/27/2020	10/29/2020	10/29/2020	10/29/2020	10/29/2020	10/29/2020	10/29/2020
Method	Fraction	Chemical Name	CAS RN	Unit							
SW6010C	T	Manganese	7439-96-5	mg/kg	233	287	284	366	385	417	372
SW7471	T	Mercury	7439-97-6	mg/kg	0.041 U	0.026 J	0.018 J	0.041 U	0.036 U	0.037 U	0.034 U
SW6010C	T	Nickel	7440-02-0	mg/kg	25.9	16.7	23.1	22.6	28.2	27.8	29.6
SW6010C	T	Potassium	7440-09-7	mg/kg		888	1090	1110	1480	1560	1630
SW6010C	T	Selenium	7782-49-2	mg/kg	1.1 U	0.722 J	0.792 J	0.936 J	1.1 J	1.1 U	10.8 U
SW6010C	T	Silver	7440-22-4	mg/kg	1.1 U	1.2 U	1 U	1.1 U	1.2 U	1.1 U	1.1 U
SW6010C	T	Sodium	7440-23-5	mg/kg	61.4 J	115 U	104 U	113 U	63.2 J	71.6 J	68.8 J
SW6010C	T	Thallium	7440-28-0	mg/kg	1.1 U	1.2 U	1 U	1.1 U	1.2 U	1.1 U	1.1 U
SW6010C	T	Vanadium	7440-62-2	mg/kg	18.2	15.6	18.7	17.6	21	19.2	20.1
SW6010C	T	Zinc	7440-66-6	mg/kg	71.9	56.7	56.7	62.5	67.3	63.7	69.3
SW6010C	TCLP	Arsenic	7440-38-2	ug/l	5.9 J	12.3 J	5.9 J	500 U	500 U	500 U	500 U
SW6010C	TCLP	Barium	7440-39-3	ug/l	550 J	551 J	280 J	605 J	491 J	481 J	491 J
SW6010C	TCLP	Cadmium	7440-43-9	ug/l	100 U	0.4 J	100 U	100 U	100 U	100 U	100 U
SW6010C	TCLP	Chromium, Total	7440-47-3	ug/l	3.7 J	1.7 J	100 U	100 U	100 U	4.3 J	100 U
SW6010C	TCLP	Lead	7439-92-1	ug/l	2.4 J	2.6 J	100 U	2.1 J	100 U	2.6 J	3.3 J
SW7470	TCLP	Mercury	7439-97-6	ug/l	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
SW6010C	TCLP	Selenium	7782-49-2	ug/l	500 U	500 U	500 U	500 U	500 U	500 U	500 U
SW6010C	TCLP	Silver	7440-22-4	ug/l	100 U	100 U	100 U	100 U	100 U	100 U	100 U
SW9012B	T	Cyanide	57-12-5	mg/kg				0.33 U			
A2540G	NA	Moisture, Percent	MOIST	%				19.9			
A2540G	NA	Total Solids	TSO	%				80.1			
E160.3	T	Total Solids	TSO	percent							
SOLIDS	T	Total Solids	TSO	percent	79.7	85.6	88.9	82.1	86.6	86.1	91
E1664	NA	Sgt Hem (Oil And Grease - Nonpolar	OILGREASENONP	mg/kg				245 U			

				Location ID:	STP-SB-04	STP-SB-04	STP-SB-04	STP-SB-04	STP-SB-04	STP-SB-04	STP-SB-05	STP-SB-05
				Sample ID:	STP-SB-04_0.0-0.5	STP-SB-04_0.5-1.0	STP-SB-04_1.0-2.0	STP-SB-04_4.0-6.0	STP-SB-04_9.0-11.0	STP-SB-04_14.0-16.0	STP-SB-05_0.0-0.5	STP-SB-05_0.5-1.0
				Depth:	0 - 0.5 ft	0.5 - 1 ft	1 - 2 ft	4 - 6 ft	9 - 11 ft	14 - 16 ft	0 - 0.5 ft	0.5 - 1 ft
				Sample Type:	N	N	N	N	N	N	N	N
				Matrix:	SO	SO	SO	SO	SO	SO	SO	SO
				SDG:	R2010263/R2010264	R2010263/R2010264	R2010263/R2010264	R2010263/R2010264	R2010263/R2010264	R2010263/R2010264	R2010129/R2010130	R2010129/R2010130
				Lab Sample ID:	R2010263/264-007	R2010263/264-008	R2010263/264-009	R2010263/264-010	R2010263/264-011	R2010263/264-012	R2010129/130-001	R2010129/130-002
				Sampled:	10/29/2020	10/29/2020	10/29/2020	10/29/2020	10/29/2020	10/29/2020	10/27/2020	10/27/2020
Method	Fraction	Chemical Name	CAS RN	Unit								
SW6010C	T	Manganese	7439-96-5	mg/kg	516	333	418	436	266	412	418	501
SW7471	T	Mercury	7439-97-6	mg/kg	0.058	0.016 J	0.036 U	0.015 J	0.036 U	0.036 U	0.029 J	0.015 J
SW6010C	T	Nickel	7440-02-0	mg/kg	17.7	18	22.6	27.4	28.9	28.3	24.9	27.8
SW6010C	T	Potassium	7440-09-7	mg/kg	1030	782	1050	1130	1490	1410		
SW6010C	T	Selenium	7782-49-2	mg/kg	0.769 J	0.633 J	0.748 J	0.585 J	1.1 U	1.1 U	0.673 J	0.997 U
SW6010C	T	Silver	7440-22-4	mg/kg	1.4 U	1.1 U	1.1 U	1 U	1.1 U	1.1 U	1.1 U	0.997 U
SW6010C	T	Sodium	7440-23-5	mg/kg	135 U	109 U	108 U	65.1 J	66.7 J	67.6 J	60.7 J	99.7 U
SW6010C	T	Thallium	7440-28-0	mg/kg	1.4 U	1.1 U	1.1 U	1 U	1.1 U	1.1 U	1.1 U	0.997 U
SW6010C	T	Vanadium	7440-62-2	mg/kg	20.8	23.4	22.8	20.6	19.6	18.7	19.8	19.6
SW6010C	T	Zinc	7440-66-6	mg/kg	76.6	57.4	57.9	72.4	69.7	64.9	92.5	92.2
SW6010C	TCLP	Arsenic	7440-38-2	ug/l	500 U	500 U	500 U	6.6 J	500 U	500 U	7.4 J	500 U
SW6010C	TCLP	Barium	7440-39-3	ug/l	467 J	271 J	566 J	643 J	704 J	500 J	507 J	691 J
SW6010C	TCLP	Cadmium	7440-43-9	ug/l	100 U	100 U	100 U	100 U	100 U	100 U	1.1 J	100 U
SW6010C	TCLP	Chromium, Total	7440-47-3	ug/l	7.7 J	100 U	100 U	1 J	100 U	2.4 J	4.2 J	100 U
SW6010C	TCLP	Lead	7439-92-1	ug/l	10.4 J	100 U	100 U	100 U	100 U	3.6 J	5.2 J	100 U
SW7470	TCLP	Mercury	7439-97-6	ug/l	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
SW6010C	TCLP	Selenium	7782-49-2	ug/l	500 U	500 U	500 U	500 U	500 U	500 U	9.8 J	6.5 J
SW6010C	TCLP	Silver	7440-22-4	ug/l	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U
SW9012B	T	Cyanide	57-12-5	mg/kg			0.3 U					
A2540G	NA	Moisture, Percent	MOIST	%			11.2					
A2540G	NA	Total Solids	TSO	%			88.8					
E160.3	T	Total Solids	TSO	percent								
SOLIDS	T	Total Solids	TSO	percent	74.1	84.8	88.7	90.2	86.3	85.6	85.5	94.6
E1664	NA	Sgt Hem (Oil And Grease - Nonpolar	OILGREASENONP	mg/kg			223 U					

PARSONS

				Location ID:	STP-SB-05		STP-SB-05		STP-SB-05		STP-SB-05		STP-SB-06		STP-SB-06		STP-SB-06		STP-SB-06		STP-SB-06		STP-SB-07		STP-SB-07		STP-SB-07		STP-SB-07		STP-SB-07	
				Sample ID:	STP-SB-05_1.0-2.0		STP-SB-05_6.0-8.0		STP-SB-05_10.0-12.0		STP-SB-05_14.0-16.0		STP-SB-06_0.0-0.5		STP-SB-06_0.5-1.0		STP-SB-06_1.0-2.0		STP-SB-06_5.0-7.0		STP-SB-06_12.0-14.0		STP-SB-06_15.0-17.0		STP-SB-07_0.0-0.5		STP-SB-07_0.5-1.0		STP-SB-07_1.0-2.0		STP-SB-07_2.0-4.0		STP-SB-07_2.0-4.0 DUP	
				Depth:	1 - 2 ft		6 - 8 ft		10 - 12 ft		14 - 16 ft		0 - 0.5 ft		0.5 - 1 ft		1 - 2 ft		5 - 7 ft		12 - 14 ft		15 - 17 ft		0 - 0.5 ft		0.5 - 1 ft		1 - 2 ft		2 - 4 ft		2 - 4 ft	
				Sample Type:	N		N		N		N		N		N		N		N		N		N		N		N		N		N		FD	
				Matrix:	SO		SO		SO		SO		SO		SO		SO		SO		SO		SO		SO		SO		SO		SO		SO	
				SDG:	R2010129/R2010130		R2010129/R2010130		R2010129/R2010130		R2010129/R2010130		R2010183/R2010184		R2010183/R2010184		R2010183/R2010184		R2010183/R2010184		R2010183/R2010184		R2010183/R2010184		R2010129/R2010130		R2010129/R2010130		R2010129/R2010130		R2010129/R2010130		R2010129/R2010130	
				Lab Sample ID:	R2010129/130-003		R2010129/130-004		R2010129/130-005		R2010129/130-006		R2010183/184-001		R2010183/184-002		R2010183/184-003		R2010183/184-004		R2010183/184-005		R2010183/184-006		R2010129/130-007		R2010129/130-008		R2010129/130-009		R2010129/130-010		R2010129/130-011	
				Sampled:	10/27/2020		10/27/2020		10/27/2020		10/27/2020		10/28/2020		10/28/2020		10/28/2020		10/28/2020		10/28/2020		10/28/2020		10/27/2020		10/27/2020		10/27/2020		10/27/2020		10/27/2020	
Method	Fraction	Chemical Name	CAS RN	Unit																														
E537	T	2-(N-methyl perfluorooctanesulfonamido) acetic acid	2355-31-9	ng/g	1	U											1	U											1	U				
E537	T	N-Ethyl-N-((heptadecafluorooctyl)sulphonyl) glycine	2991-50-6	ng/g	1	U											1	U											1	U				
E537	T	Perfluorobutanesulfonic acid (PFBS)	375-73-5	ng/g	1	U											1	U											1	U				
E537	T	Perfluorobutanoic Acid	375-22-4	ng/g	1	U											1	U											1	U				
E537	T	Perfluorodecane Sulfonic Acid	335-77-3	ng/g	1	U											1	U											1	U				
E537	T	Perfluorodecanoic acid (PFDA)	335-76-2	ng/g	1	U											1	U											1	U				
E537	T	Perfluorododecanoic acid (PFDoA)	307-55-1	ng/g	1	U											1	U											1	U				
E537	T	Perfluoroheptane Sulfonate (PFHPS)	375-92-8	ng/g	1	U											1	U											1	U				
E537	T	Perfluoroheptanoic acid (PFHpA)	375-85-9	ng/g	1	U											1	U											1	U				
E537	T	Perfluorohexanesulfonic acid (PFHxS)	355-46-4	ng/g	1	U											1	U											1	U				
E537	T	Perfluorohexanoic acid (PFHxA)	307-24-4	ng/g	1	U											1	U											1	U				
E537	T	Perfluorononanoic acid (PFNA)	375-95-1	ng/g	1	U											1	U											1	U				
E537	T	Perfluorooctane Sulfonamide (FOSA)	754-91-6	ng/g	1	U											1	U											1	U				
E537	T	Perfluorooctanesulfonic acid (PFOS)	1763-23-1	ng/g	1	U											1	U											1	U				
E537	T	Perfluorooctanoic acid (PFOA)	335-67-1	ng/g	1	U											1	U											0.15	J				
E537	T	Perfluoropentanoic Acid (PFPeA)	2706-90-3	ng/g	1	U											1	U											1	U				
E537	T	Perfluorotetradecanoic acid (PFTA)	376-06-7	ng/g	0.2	J											1	U											0.21	J				
E537	T	Perfluorotridecanoic Acid (PFTriA)	72629-94-8	ng/g	1	U											1	U											1	U				
E537	T	Perfluoroundecanoic Acid (PFUnA)	2058-94-8	ng/g	1	U											1	U											1	U				
E537	T	Sodium 1H,1H,2H,2H-Perfluorodecane Sulfonate (8:2)	39108-34-4	ng/g	1	U											1	U											1	U				
E537	T	Sodium 1H,1H,2H,2H-Perfluorooctane Sulfonate (6:2)	27619-97-2	ng/g	1	U											1	U											1	U				
SW8260C	T	1,1,1-Trichloroethane (TCA)	71-55-6	ug/kg	4.4	U											5.5	U											5.3	U				
SW8260C	T	1,1,2,2-Tetrachloroethane	79-34-5	ug/kg	4.4	U											5.5	U											5.3	U				
SW8260C	T	1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	ug/kg	4.4	U											5.5	U											5.3	U				
SW8260C	T	1,1,2-Trichloroethane	79-00-5	ug/kg	4.4	U											5.5	U											5.3	U				
SW8260C	T	1,1-Dichloroethane	75-34-3	ug/kg	4.4	U											5.5	U											5.3	U				
SW8260C	T	1,1-Dichloroethene	75-35-4	ug/kg	4.4	U											5.5	U											5.3	U				
SW8260C	T	1,2,3-Trichlorobenzene	87-61-6	ug/kg	4.4	U											5.5	U											5.3	U				
SW8260C	T	1,2,4-Trichlorobenzene	120-82-1	ug/kg	4.4	U											5.5	U											5.3	U				
SW8260C	T	1,2,4-Trimethylbenzene	95-63-6	ug/kg	4.4	U											5.5	U											5.3	U				
SW8260C	T	1,2-Dibromo-3-Chloropropane	96-12-8	ug/kg	4.4	U											5.5	U											5.3	U				
SW8260C	T	1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	ug/kg	4.4	U											5.5	U											5.3	U				
SW8260C	T	1,2-Dichlorobenzene	95-50-1	ug/kg	4.4	U											5.5	U											5.3	U				
SW8260C	T	1,2-Dichloroethane	107-06-2	ug/kg	4.4	UJ											5.5	U											5.3	U				
SW8260C	T	1,2-Dichloropropane	78-87-5	ug/kg	4.4	U											5.5	U											5.3	U				
SW8260C	T	1,3,5-Trimethylbenzene (Mesitylene)	108-67-8	ug/kg	4.4	U											5.5	U											5.3	U				
SW8260C	T	1,3-Dichlorobenzene	541-73-1	ug/kg	4.4	U											5.5	U											5.3	U				
SW8260C	T	1,4-Dichlorobenzene	106-46-7	ug/kg	4.4	U											5.5	U											5.3	U				
SW8260C	T	2-Hexanone	591-78-6	ug/kg	4.4	U											5.5	U											5.3	U				
SW8260C	T	Acetone	67-64-1	ug/kg	5.4												8.4												6.6					
SW8260C	T	Benzene	71-43-2	ug/kg	4.4	U											5.5	U											5.3	U				
SW8260C	T	Bromochloromethane	74-97-5	ug/kg	4.4	U											5.5	U											5.3	U				
SW8260C	T	Bromodichloromethane	75-27-4	ug/kg	4.4	U											5.5	U											5.3	U				
SW8260C	T	Bromoform	75-25-2	ug/kg	4.4	U											5.5	U											5.3	U				
SW8260C	T	Bromomethane	74-83-9	ug/kg	4.4	UJ											5.5	UJ											5.3	UJ				
SW8260C	T	Carbon Disulfide	75-15-0	ug/kg	4.4	U											5.5	U											5.3	U				
SW8260C	T	Carbon Tetrachloride	56-23-5	ug/kg	4.4	U											5.5	UJ											5.3	UJ				
SW8260C	T	Chlorobenzene	108-90-7	ug/kg	4.4	U											5.5	U											5.3	U				
SW8260C	T	Chloroethane	75-00-3	ug/kg	4.4	U											5.5	U											5.3	U				
SW8260C	T	Chloroform	67-66-3	ug/kg	4.4	U											5.5	U											5.3	U				
SW8260C	T	Chloromethane	74-87-3	ug/kg	4.4	U											5.5	U											5.3	U				
SW8260C	T	Cis-1,2-Dichloroethylene	156-59-2	ug/kg	4.4	U											5.5	U											5.3	U				
SW8260C	T	Cis-1,3-Dichloropropene	10061-01-5	ug/kg	4.4	U											5.5	U											5.3	U				
SW8260C	T	Cyclohexane	110-82-7	ug/kg	4.4	U											5.5	U											5.3	U				
SW8260C	T	Dibromochloromethane	124-48-1	ug/kg	4.4	U											5.5	U											5.3	U				
SW8260C	T	Dichlorodifluoromethane	75-71-8	ug/kg	4.4	U											5.5	U											5.3	U				
SW8260C	T	Ethylbenzene	100-41-4	ug/kg	4.4	U											5.5	U											5.3	U				
SW8260C	T	Isopropylbenzene (Cumene)	98-82-8	ug/kg	4.4	U											5.5	U											5.3	U				
SW8260C	T	m,p-Xylene	179601-23-1	ug/kg	8.8	U											11	U											11	U				
SW8260C	T	Methyl Acetate	79-20-9	ug/kg	4.4	U											5.5	U											5.3	U				
SW8260C	T	Methyl Ethyl Ketone (2-Butanone)	78-93-3	ug/kg	4.4	U											5.5	U											2.6	J				
SW8260C	T	Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	108-10-1	ug/kg	4.4	U											5.5	U											5.3	U				
SW8260C	T	Methylcyclohexane	108-87-2	ug/kg	4.4	U											5.5	U											5.3	U				
SW8260C	T	Methylene Chloride	75-09-2	ug/kg	4.4	U											5.5	U											5.3	U				
SW8260C	T	N-Butylbenzene	104-51-8	ug/kg	4.4	U											5.5	U											5.3	U				
SW8260C	T	N-Propylbenzene	103-65-1	ug/kg	4.4	U											5.5	U											5.3	U				
SW8260C	T	O-Xylene (1,2-Dimethylbenzene)	95-47-6	ug/kg	4.4	U											5.5	U											5.3	U				
SW8260C	T	Sec-Butylbenzene	135-98-8	ug/kg	4.4	U											5.5	U											5.3	U				
SW8260C	T	Styrene	100-42-5	ug/kg	4.4	U											5.5	U											5.3	U				
SW8260C	T	T-Butylbenzene	98-06-6	ug/kg	4.4	U											5.5	U											5.3	U				
SW8260C	T	Tert-Butyl Methyl Ether	1634-04-4	ug/kg	4.4	U											5.5	U											5.3	U				
SW8260C	T	Tetrachloroethylene (PCE)	127-18-4	ug/kg	4.4	U											5.5	U											0.26	J				
SW8260C	T	Toluene	108-88-3	ug/kg	4.4	U											5.5	U											5.3	U				
SW8260C	T	Trans-1,2-Dichloroethene	156-60-5	ug/kg	4.4	U											5.5	U											5.3	U				
SW8260C	T	Trans-1,3-Dichloropropene	10061-02-6	ug/kg	4.4	U											5.5	U											5.3	U				
SW8260C	T	Trichloroethylene (TCE)	79-01-6	ug/kg	4.4	U											5.5	U											5.3	U				
SW8260C	T	Trichlorofluoromethane	75-69-4	ug/kg	4.4	U											5.5	UJ											5.3	UJ				
SW8260C	T	Vinyl Chloride	75-01-4	ug/kg	4.4	U											5.5	U											5.3	U				
SW8270D	T	1,2,4,5-Tetrachlorobenzene	95-94-3	ug/kg	35	U	36	U	35	U	38	U	42	U	36	U	35	U	36	U	36	U	36	U	37	U	36	U	35	U	39	U	38	U
SW8270D	T	1,4-Dioxane (P-Dioxane)	123-91-1	ug/kg	70	U	74	U	71	U	78	U	85	U	73	U	72	U	72	U	74	U	73	U	75	U	73	U	72	U	79	U	78	U
SW8270D	T	2,3,4,6-Tetrachlorophenol	58-90-2	ug/kg	35	U	36	U	35	U	38	U	42	U	36	U	35	U	36	U	36	U	36	U	37	U	36	U	35	U	39	U	38	U
SW8270D	T	2,4,5-Trichlorophenol	95-95-4	ug/kg	35	U	36	U	35	U	38	U	42	U	36	U	35	U	36	U	36	U	36	U	37	U	36	U	35	U	39	U	38	U
SW8270D	T	2,4,6-Trichlorophenol	88-06-2	ug/kg	35	U	36	U	35	U	38	U	42	U	36	U	35	U	36	U	36	U	36	U	37	U	36	U	35	U	39	U	38	U
SW8270D	T	2,4-Dichlorophenol	120-83-2	ug/kg	35	U	36	U	35	U	38	U	42	U	36	U	35	U	36	U	36	U	36	U	37	U	36	U	35	U	39	U	38	U
SW8270D	T	2,4-Dimethylphenol	105-67-9	ug/kg	35	U	36	U	35	U	38	U	42	U	36	U	35	U	36	U	36	U	36	U	37	U	36	U	35	U	39	U	38	U
SW8270D	T	2,4-Dinitrophenol	51-28-5	ug/kg	35	U	36	U	35	U	38	U	42	UJ	36	U	35	U	36	U	36	U	36	U	37	U	36	U	35	U	39	U	38	U
SW8270D	T	2,4-Dinitrotoluene	121-14-2	ug/kg	35	U	36	U	35	U	38	U	42	U	36	U	35	U	36	U	36	U	36	U	37	U	36	U	35	U	39	U	38	U
SW8270D	T	2,6-Dinitrotoluene	606-20-2	ug/kg	35	U	36	U	35	U	38	U	42	U	36	U	35	U	36	U	36	U	36	U	37	U	36	U	35	U	39	U	38	U
SW8270D	T	2-Chloronaphthalene	91-58-7	ug/kg	35	U	36	U	35	U	38	U	42	U	36	U	35	U	36	U	36	U	36	U	37	U	36	U	35	U	39	U	38	U
SW8270D	T	2-Chlorophenol	95-57-8	ug/kg	35	U	36	U	35	U	38	U	42	U	36	U	35	U	36	U	36	U	36	U	37	U	36	U	35	U	39	U	38	U
SW8270D	T	2-Methylnaphthalene	91-57-6	ug/kg	6.9	U	7.3	U	7	U	7.6	U	68		16		7.1	U	5.1	J	7.3	U	7.2	U	12		55		24		7.7	U	7.7	U
SW8270D	T	2-Methylphenol (O-Cresol)	95-48-7	ug/kg	35	U	36	U	35	U	38	U	42	U	36	U	35	U	36	U	36	U	36	U	37	U	36	U	35	U	39	U	38	U
SW8270D	T	2-Nitroaniline	88-74-4	ug/kg	35	U	36	U	35	U	38	U	42	U	36	U	35	U	36	U	36	U	36	U	37	U	36	U	35	U	39	U	38	U
SW8270D	T	2-Nitrophenol	88-75-5	ug/kg	35	U	36	U	35	U	38	U	42	U	36	U	35	U	36	U	36	U	36	U	37	U	36	U	35	U	39	U	38	U
SW8270D	T	3,3'-Dichlorobenzidine	91-94-1	ug/kg	35	U	36	U	35	U	38	U	42	U	36	UJ	35	UJ	36	UJ	36	UJ	36	UJ	37	U	36	U	35	U	39	U	38	U
SW8270D	T	3-Nitroaniline	99-09-2	ug/kg	35	U	36	U	35	U	38	U	42	U	36	U	35	U	36	U	36	U	36	U	37	U	36	U	35	U	39	U	38	U
SW8270D	T	4,6-Dinitro-2-Methylphenol	534-52-1	ug/kg	35	U	36	U	35	U	38	U	42	U	36	U	35	U	36	U	36	U	36	U	37	U	36	U	35	U	39	U	38	U

PARSONS

				Location ID:	STP-SB-05		STP-SB-05		STP-SB-05		STP-SB-05		STP-SB-06		STP-SB-06		STP-SB-06		STP-SB-06		STP-SB-06		STP-SB-06		STP-SB-07		STP-SB-07		STP-SB-07		STP-SB-07	
				Sample ID:	STP-SB-05_1.0-2.0		STP-SB-05_6.0-8.0		STP-SB-05_10.0-12.0		STP-SB-05_14.0-16.0		STP-SB-06_0.0-0.5		STP-SB-06_0.5-1.0		STP-SB-06_1.0-2.0		STP-SB-06_5.0-7.0		STP-SB-06_12.0-14.0		STP-SB-06_15.0-17.0		STP-SB-07_0.0-0.5		STP-SB-07_0.5-1.0		STP-SB-07_1.0-2.0		STP-SB-07_2.0-4.0		STP-SB-07_2.0-4.0 DUP	
				Depth:	1 - 2 ft		6 - 8 ft		10 - 12 ft		14 - 16 ft		0 - 0.5 ft		0.5 - 1 ft		1 - 2 ft		5 - 7 ft		12 - 14 ft		15 - 17 ft		0 - 0.5 ft		0.5 - 1 ft		1 - 2 ft		2 - 4 ft		2 - 4 ft	
				Sample Type:	N		N		N		N		N		N		N		N		N		N		N		N		N		N		FD	
				Matrix:	SO		SO		SO		SO		SO		SO		SO		SO		SO		SO		SO		SO		SO		SO		SO	
				SDG:	R2010129/R2010130		R2010129/R2010130		R2010129/R2010130		R2010129/R2010130		R2010183/R2010184		R2010183/R2010184		R2010183/R2010184		R2010183/R2010184		R2010183/R2010184		R2010183/R2010184		R2010129/R2010130		R2010129/R2010130		R2010129/R2010130		R2010129/R2010130		R2010129/R2010130	
				Lab Sample ID:	R2010129/130-003		R2010129/130-004		R2010129/130-005		R2010129/130-006		R2010183/184-001		R2010183/184-002		R2010183/184-003		R2010183/184-004		R2010183/184-005		R2010183/184-006		R2010129/130-007		R2010129/130-008		R2010129/130-009		R2010129/130-010		R2010129/130-011	
				Sampled:	10/27/2020		10/27/2020		10/27/2020		10/27/2020		10/28/2020		10/28/2020		10/28/2020		10/28/2020		10/28/2020		10/28/2020		10/27/2020		10/27/2020		10/27/2020		10/27/2020		10/27/2020	
Method	Fraction	Chemical Name	CAS RN	Unit																													
SW8270D	T	4-Bromophenyl Phenyl Ether	101-55-3	ug/kg	35	U	36	U	35	U	38	U	42	U	36	U	35	U	36	U	36	U	36	U	37	U	36	U	35	U	39	U	38	U
SW8270D	T	4-Chloro-3-Methylphenol	59-50-7	ug/kg	35	U	36	U	35	U	38	U	42	U	36	U	35	U	36	U	36	U	36	U	37	U	36	U	35	U	39	U	38	U
SW8270D	T	4-Chloroaniline	106-47-8	ug/kg	35	U	36	U	35	U	38	U	42	U	36	U	35	U	36	U	36	U	36	U	37	U	36	U	35	U	39	U	38	U
SW8270D	T	4-Chlorophenyl Phenyl Ether	7005-72-3	ug/kg	35	U	36	U	35	U	38	U	42	U	36	U	35	U	36	U	36	U	36	U	37	U	36	U	35	U	39	U	38	U
SW8270D	T	4-Nitroaniline	100-01-6	ug/kg	35	U	36	U	35	U	38	U	42	U	36	U	35	U	36	U	36	U	36	U	37	U	36	U	35	U	39	U	38	U
SW8270D	T	4-Nitrophenol	100-02-7	ug/kg	35	U	36	U	35	U	38	U	42	U	36	UJ	35	UJ	36	UJ	36	UJ	36	UJ	37	U	36	U	35	U	39	U	38	U
SW8270D	T	Acenaphthene	83-32-9	ug/kg	6.9	U	7.3	U	7	U	7.6	U	13		2.4	J	7.1	U	7.1	U	7.3	U	7.2	U	5.4	J	50		5.1	J	7.7	U	7.7	U
SW8270D	T	Acenaphthylene	208-96-8	ug/kg	6.9	U	7.3	U	7	U	7.6	U	290		110		7.1	U	3.8	J	7.3	U	7.2	U	88		410		110		4.9	J	13	J
SW8270D	T	Acetophenone	98-86-2	ug/kg	35	U	36	U	35	U	38	U	42	UJ	36	UJ	35	UJ	36	UJ	36	UJ	36	UJ	37	U	36	U	35	U	39	U	38	U
SW8270D	T	Anthracene	120-12-7	ug/kg	6.9	U	7.3	U	7	U	7.6	U	150		61		7.1	U	7.1	U	7.3	U	7.2	U	46		310		56		7.7	U	6.3	J
SW8270D	T	Atrazine	1912-24-9	ug/kg	35	U	36	U	35	U	38	U	42	U	36	UJ	35	UJ	36	UJ	36	UJ	36	UJ	37	U	36	U	35	U	39	U	38	U
SW8270D	T	Benzaldehyde	100-52-7	ug/kg	35	U	36	U	35	U	38	U	42	U	36	U	35	U	36	U	36	U	36	U	37	U	36	U	35	U	39	U	38	U
SW8270D	T	Benzo(A)Anthracene	56-55-3	ug/kg	7	U	7.3	U	7.1	U	7.7	U	190		200		7.2	U	5.7	J	7.4	U	7.2	U	110		580		78		7.8	UJ	20	J
SW8270D	T	Benzo(A)Pyrene	50-32-8	ug/kg	6.9	U	7.3	U	3.2	J	7.6	U	420		310		7.1	U	6.9	J	7.3	U	7.2	U	210		1000		170		8.3	J	39	J
SW8270D	T	Benzo(B)Fluoranthene	205-99-2	ug/kg	6.9	U	4.2	J	4	J	7.6	U	460		320		7.1	U	7.1	J	7.3	U	7.2	U	230		1000		170		9.1	J	40	J
SW8270D	T	Benzo(G,H,I)Perylene	191-24-2	ug/kg	6.9	U	4.4	J	3.3	J	7.6	U	380		260		7.1	U	5.4	J	7.3	U	7.2	U	150		640		150		9.5	J	23	J
SW8270D	T	Benzo(K)Fluoranthene	207-08-9	ug/kg	6.9	U	7.3	U	7	U	7.6	U	130		100		7.1	U	7.1	U	7.3	U	7.2	U	79		300		58		7.7	U	11	J
SW8270D	T	Benzyl Butyl Phthalate	85-68-7	ug/kg	180	U	190	U	180	U	200	U	220	U	190	U	180	U	180	U	190	U	180	U	190	U	190	U	180	U	200	U	200	U
SW8270D	T	Biphenyl (Diphenyl)	92-52-4	ug/kg	35	U	36	U	35	U	38	U	42	U	36	U	35	U	36	U	36	U	36	U	37	U	9.3	J	35	U	39	U	38	U
SW8270D	T	Bis(2-Chloroethoxy) Methane	111-91-1	ug/kg	35	U	36	U	35	U	38	U	42	UJ	36	UJ	35	UJ	36	UJ	36	UJ	36	UJ	37	U	36	U	35	U	39	U	38	U
SW8270D	T	Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	111-44-4	ug/kg	35	U	36	U	35	U	38	U	42	U	36	U	35	U	36	U	36	U	36	U	37	U	36	U	35	U	39	U	38	U
SW8270D	T	Bis(2-Chloroisopropyl) Ether	108-60-1	ug/kg	35	U	36	U	35	U	38	U	42	UJ	36	UJ	35	UJ	36	UJ	36	UJ	36	UJ	37	U	36	U	35	U	39	U	38	U
SW8270D	T	Bis(2-Ethylhexyl) Phthalate	117-81-7	ug/kg	630	U	660	U	640	U	690	U	760	U	650	U	650	U	650	U	660	U	650	U	140	J	660	U	640	U	700	U	700	U
SW8270D	T	Caprolactam	105-60-2	ug/kg	35	U	36	U	35	U	38	U	42	U	36	U	35	U	36	U	36	U	36	U	37	U	36	U	35	U	39	U	38	U
SW8270D	T	Carbazole	86-74-8	ug/kg	35	U	36	U	35	U	38	U	34	J	31	J	35	U	36	U	36	U	36	U	37	U	40		35	U	39	U	38	U
SW8270D	T	Chrysene	218-01-9	ug/kg	6.9	U	7.3	U	7	U	7.6	U	220		200		7.1	U	3.7	J	7.3	U	7.2	U	130		620		93		7.7	U	20	J
SW8270D	T	Cresols, M & P	MEPH1314	ug/kg	35	U	36	U	35	U	38	U	42	U	36	U	35	U	36	U	36	U	36	U	37	U	36	U	35	U	39	U	38	U
SW8270D	T	Dibenz(A,H)Anthracene	53-70-3	ug/kg	6.9	U	7.3	U	7	U	7.6	U	91		65		7.1	U	7.1	U	7.3	U	7.2	U	38		160		35		7.7	U	6.6	J
SW8270D	T	Dibenzofuran	132-64-9	ug/kg	6.9	U	7.3	U	7	U	7.6	U	23		8.8		7.1	U	7.1	U	7.3	U	7.2	U	6.5	J	33		8.6		7.7	U	7.7	U
SW8270D	T	Diethyl Phthalate	84-66-2	ug/kg	210	U	220	U	210	U	230	U	250	U	220	U	220	U	220	U	220	U	220	U	230	U	220	U	210	U	230	U	230	U
SW8270D	T	Dimethyl Phthalate	131-11-3	ug/kg	180	U	190	U	180	U	200	U	220	U	190	U	180	U	180	U	190	U	180	U	190	U	190	U	180	U	200	U	200	U
SW8270D	T	Di-N-Butyl Phthalate	84-74-2	ug/kg	530	U	550	U	530	U	580	U	640	U	540	U	540	U	540	U	550	U	540	U	560	U	550	U	530	U	40	J	580	U
SW8270D	T	Di-N-Octylphthalate	117-84-0	ug/kg	180	U	190	U	180	U	200	U	220	U	190	U	180	U	180	U	190	U	180	U	190	U	190	U	180	U	200	U	200	U
SW8270D	T	Fluoranthene	206-44-0	ug/kg	6.9	U	7.3	U	7	U	7.6	U	310		310		7.1	U	8.6		7.3	U	7.2	U	170		970		130		7.7	U	17	J
SW8270D	T	Fluorene	86-73-7	ug/kg	6.9	U	7.3	U	7	U	7.6	U	33		10		7.1	U	7.1	U	7.3	U	7.2	U	9.5		76		14		7.7	U	7.7	U
SW8270D	T	Hexachlorobenzene	118-74-1	ug/kg	7	U	7.3	U	7.1	U	7.7	U	8.5	U	7.3	U	7.2	U	7.2	U	7.4	U	7.2	U	7.5	U	7.3	U	7.1	U	7.8	U	7.7	U
SW8270D	T	Hexachlorobutadiene	87-68-3	ug/kg	35	U	36	U	35	U	38	U	42	U	36	U	35	U	36	U	36	U	36	U	37	U	36	U	35	U	39	U	38	U
SW8270D	T	Hexachlorocyclopentadiene	77-47-4	ug/kg	35	U	36	U	35	U	38	U	42	U	36	U	35	U	36	U	36	U	36	U	37	U	36	U	35	U	39	U	38	U
SW8270D	T	Hexachloroethane	67-72-1	ug/kg	35	U	36	U	35	U	38	U	42	U	36	U	35	U	36	U	36	U	36	U	37	U	36	U	35	U	39	U	38	U
SW8270D	T	Indeno(1,2,3-C,D)Pyrene	193-39-5	ug/kg	6.9	U	3.4	J	7	U	7.6	U	380		270		7.1	U	4.8	J	7.3	U	7.2	U	160		640		140		6.5	J	24	J
SW8270D	T	Isophorone	78-59-1	ug/kg	35	U	36	U	35	U	38	U	42	UJ	36	UJ	35	UJ	36	UJ	36	UJ	36	UJ	37	U	36	U	35	U	39	U	38	U
SW8270D	T	Naphthalene	91-20-3	ug/kg	6.9	U	7.3	U	7	U	7.6	U	160		32		7.1	U	5.5	J	7.3	U	7.2	U	22		99		41		7.7	U	4.7	J
SW8270D	T	Nitrobenzene	98-95-3	ug/kg	6.9	U	7.3	U	7	U	7.6	U	8.4	U	7.2	U	7.1	U	7.1	U	7.3	U	7.2	U	7.4	U	7.2	U	7.1	U	7.7	U	7.7	U
SW8270D	T	N-Nitrosodi-N-Propylamine	621-64-7	ug/kg	35	U	36	U	35	U	38	U	42	U	36	U	35	U	36	U	36	U	36	U	37	U	36	U	35	U	39	U	38	U
SW8270D	T	N-Nitrosodiphenylamine	86-30-6	ug/kg	35	U	36	U	35	U	38	U	42	U	36	U	35	U	36	U	36	U	36	U	37	U	36	U	35	U	39	U	38	U
SW8270D	T	Pentachlorophenol	87-86-5	ug/kg	35	U	36	U	35	U	38	U	42	U	36	UJ	35	UJ	36	UJ	36	UJ	36	UJ	37	U	36	U	35	U	39	U	38	U
SW8270D	T	Phenanthrene	85-01-8	ug/kg	6.9	U	7.3	U	7	U	7.6	U	130		130		7.1	U	9.5		7.3	U	7.2	U	65		550		69		7.7	U	5.3	J
SW8270D	T	Phenol	108-95-2	ug/kg	35	U	36	U	35	U	38	U	42	U	36	U	35	U	36	U	36	U	36	U	37	U	36	U	35	U	39	U	38	U
SW8270D	T	Pyrene	129-00-0	ug/kg	6.9	U	7.3	U	7	U	7.6	U	360		300		7.1	U	7.9		7.3	U	7.2	U	200		1200		150		4.8	J	25	J
SW8081B	T	Aldrin	309-00-2	ug/kg	1.8	U											2.2	U											9.1	U				
SW8081B	T	Alpha Bhc (Alpha Hexachlorocyclohexane)	319-84-6	ug/kg	1.8	U											2.2	U											9.1	U				
SW8081B	T	Alpha Endosulfan	959-98-8	ug/kg	1.8	U											2.2	U											9.1	U				
SW8081B	T	Beta Bhc (Beta Hexachlorocyclohexane)	319-85-7	ug/kg	1.8	U											2.2	U											9.1	U				
SW8081B	T	Beta Endosulfan	33213-65-9	ug/kg	1.8	U											2.2	U											9.1	U				
SW8081B	T	Chlordane (Technical)	12789-03-6	ug/kg	1.8	U											2.2	U											9.1	U				
SW8081B	T	cis-Chlordane	5103-71-9	ug/kg	1.8	U											2.2	U											9.1	U				
SW8081B	T	Delta BHC (Delta Hexachlorocyclohexane)	319-86-8	ug/kg	1.8	U											2.2	U											9.1	U				
SW8081B	T	Dieldrin	60-57-1	ug/kg	1.8	U											2.2	U											9.1	U				
SW8081B	T	Endosulfan Sulfate	1031-07-8	ug/kg	1.8	U											2.2	U											9.1	U				
SW8081B	T	Endrin	72-20-8	ug/kg	1.8	U											2.2	U											9.1	U				
SW8081B	T	Endrin Aldehyde	7421-93-4	ug/kg	1.8	U											2.2	U											9.1	U				
SW8081B	T	Endrin Ketone	53494-70-5	ug/kg	1.8	U											2.2	U											9.1	U				
SW8081B	T	Gamma Bhc (Lindane)	58-89-9	ug/kg	1.8	U											2.2	U											9.1	U				
SW8081B	T	Heptachlor	76-44-8	ug/kg	1.8	U											2.2	U											9.1	U				
SW8081B	T	Heptachlor Epoxide	1024-57-3	ug/kg	1.8	U											2.2	U											9.1	U				
SW8081B	T	Methoxychlor	72-43-5	ug/kg	1.8	U											2.2	U											9.1	U				
SW8081B	T	P,P'-DDD	72-54-8	ug/kg	1.8	U											2.2	U											9.1	U				
SW8081B	T	P,P'-DDE	72-55-9	ug/kg	1.8	U											2.2	U											9.1	U				
SW8081B	T	P,P'-DDT	50-29-3	ug/kg	1.8	U											2.2	U											9.1	U				
SW8081B	T	Toxaphene	8001-35-2	ug/kg	35	U											42	U											180	U				
SW8082A	T	PCB-1016 (Aroclor 1016)	12674-11-2	ug/kg	35	U											42	U											35	U				
SW8082A	T	PCB-1221 (Aroclor 1221)	11104-28-2	ug/kg	70	U											85	U											72	U				
SW8082A	T	PCB-1232 (Aroclor 1232)	11141-16-5	ug/kg	35	U											42	U											35	U				
SW8082A	T	PCB-1242 (Aroclor 1242)	53469-21-9	ug/kg	35	U											42	U											35	U				
SW8082A	T	PCB-1248 (Aroclor 1248)	12672-29-6	ug/kg	35	U											42	U											35	U				
SW8082A	T	PCB-1254 (Aroclor 1254)	11097-69-1	ug/kg	35	U											42	U											35	U				
SW8082A	T	PCB-1260 (Aroclor 1260)	11096-82-5	ug/kg	35	U											42	U											35	U				
SW8082A	T	PCB-1262 (Aroclor 1262)	37324-23-5	ug/kg	35	U											42	U											35	U				
SW8082A	T	PCB-1268 (Aroclor 1268)	11100-14-4	ug/kg	35	U											42	U											35	U				
SW8082A	T	Polychlorinated Biphenyl (PCBs)	1336-36-3	ug/kg	33	U											39	U											33	U				
SW8151A	T	Silvex (2,4,5-TP)	93-72-1	ug/kg	10	U											11	U											11	U				
SW6010C	T	Aluminum	7429-90-5	mg/kg	13300		13900		13800		11900		11900		12700		12300		11800		13400		13300		8610		11800		13000		15400		15900	
SW6010C	T	Antimony	7440-36-0	mg/kg	5.9	U	5.9	U	6.4	UJ	6.2	U	7.1	U	6	UJ	6.2	U	5.9	U	6	U	6.5	U	6.4	U	6.3	U	6.2	U	6.5	U	6.6	U
SW6010C	T	Arsenic	7440-38-2	mg/kg	10.4		8.7		7.4		15.2		8.9		10.2	J	9.2		7.6		9.7		10		6.7		6.9		7.4		6		5.7	
SW6010C	T	Barium	7440-39-3	mg/kg	191		199		170		157		147		158		165		267		181		190		80		105		118		194		201	
SW6010C	T	Beryllium	7440-41-7	mg/kg	0.521		0.509		0.554		0.548		0.543		0.532		0.498		0.514		0.601		0.606		0.364		0.449		0.482		0.587		0.619	
SW6010C	T	Boron	7440-42-8	mg/kg	16.3	J	16.4	J	18.3	J	16.2	J	14.2	J	15.5	J	15.5	J	16.5	J	15.9	J	15.3	J	11.3	J	12.2	J	13.4	J	12.8	J	13.3	J
SW6010C	T	Cadmium	7440-43-9	mg/kg	0.324	J	0.313	J	0.351	J	0.434	J	0.377	J	0.281	J	0.239	J	0.267	J	0.2	J	0.184	J	0.375	J	0.313	J	0.287	J	0.207	J	0.21	J
SW6010C	T	Calcium	7440-70-2	mg/kg	943		892		976		843		3930		1850		1650		1420		1300		1440		20600		14400		6740		2590		2880	
CALC	T	Chromium III	16065-83-1	mg/kg	16.8												14.7												15.4					
SW7199	T	Chromium, Hexavalent	18540-29-9	mg/kg	0.4	U											0.43	U											0.42	U				
SW6010C	T	Chromium, Total	7440-47-3	mg/kg	16.8		22.5		17.6		12.6		14.5		16.3		15.9		16.3		17.2		17.1		10.7		13.6		15.4		17.1		18	
SW6010C	T	Cobalt	7440-48-4	mg/kg	11.3		12.5		11.1		12.7		8.8		10.5		10.7		9.8		12		11.9		6.7		7.6		8.5		7.5		6.9	
SW6010C	T	Copper	7440-50-8	mg/kg	37.9		43.7		37		31.5		23.2		31.3		30.8		26.7		23.5		18		17.9		18.4		20.2		13.7		15.2	
SW6010C	T	Iron	7439-89-6	mg/kg	31800		33000		37300		32500		24500		30800		30500		33600		32200		30600		18000		21000		24700		22800		24100	
SW6010C	T	Lead	7439-92-1	mg/kg	13.7		14.4		13.3		22.6		38.5		18.5		12.9		16.9		11		10.2		41.9		77		17.6		15.5		15	
SW6010C	T	Magnesium	7439-95-4	mg/kg	4220		4360		4140		3260		3810		3860		3980		3590		4140		4030		5600		3860		4220		2870		3250	

				Location ID:	STP-SB-05		STP-SB-05		STP-SB-05		STP-SB-05		STP-SB-06		STP-SB-06		STP-SB-06		STP-SB-06		STP-SB-06		STP-SB-07		STP-SB-07		STP-SB-07		STP-SB-07	
				Sample ID:	STP-SB-05_1.0-2.0		STP-SB-05_6.0-8.0		STP-SB-05_10.0-12.0		STP-SB-05_14.0-16.0		STP-SB-06_0.0-0.5		STP-SB-06_0.5-1.0		STP-SB-06_1.0-2.0		STP-SB-06_5.0-7.0		STP-SB-06_12.0-14.0		STP-SB-06_15.0-17.0		STP-SB-07_0.0-0.5		STP-SB-07_0.5-1.0		STP-SB-07_1.0-2.0		STP-SB-07_2.0-4.0		STP-SB-07_2.0-4.0 DUP	
				Depth:	1 - 2 ft		6 - 8 ft		10 - 12 ft		14 - 16 ft		0 - 0.5 ft		0.5 - 1 ft		1 - 2 ft		5 - 7 ft		12 - 14 ft		15 - 17 ft		0 - 0.5 ft		0.5 - 1 ft		1 - 2 ft		2 - 4 ft		2 - 4 ft	
				Sample Type:	N		N		N		N		N		N		N		N		N		N		N		N		N		N		FD	
				Matrix:	SO		SO		SO		SO		SO		SO		SO		SO		SO		SO		SO		SO		SO		SO		SO	
				SDG:	R2010129/R2010130		R2010129/R2010130		R2010129/R2010130		R2010129/R2010130		R2010183/R2010184		R2010183/R2010184		R2010183/R2010184		R2010183/R2010184		R2010183/R2010184		R2010183/R2010184		R2010129/R2010130		R2010129/R2010130		R2010129/R2010130		R2010129/R2010130		R2010129/R2010130	
				Lab Sample ID:	R2010129/130-003		R2010129/130-004		R2010129/130-005		R2010129/130-006		R2010183/184-001		R2010183/184-002		R2010183/184-003		R2010183/184-004		R2010183/184-005		R2010183/184-006		R2010129/130-007		R2010129/130-008		R2010129/130-009		R2010129/130-010		R2010129/130-011	
				Sampled:	10/27/2020		10/27/2020		10/27/2020		10/27/2020		10/28/2020		10/28/2020		10/28/2020		10/28/2020		10/28/2020		10/28/2020		10/27/2020		10/27/2020		10/27/2020		10/27/2020		10/27/2020	
Method	Fraction	Chemical Name	CAS RN	Unit																														
SW6010C	T	Manganese	7439-96-5	mg/kg	412		559		620		1830		501		421		404		628		548		387		472		372		373		359		245	
SW7471	T	Mercury	7439-97-6	mg/kg	0.035	U	0.016	J	0.036	U	0.028	J	0.043		0.017	J	0.035	U	0.036	U	0.036	U	0.035	U	0.05		0.031	J	0.027	J	0.028	J	0.02	J
SW6010C	T	Nickel	7440-02-0	mg/kg	27.1		28.8		28.8		29.7		20.4		25.6		26.4		25		28.5		26.5		15.8		18.2		20.7		17.6		18.9	
SW6010C	T	Potassium	7440-09-7	mg/kg									1110		974		961		999		1240		1440											
SW6010C	T	Selenium	7782-49-2	mg/kg	0.934	J	1.4		0.841	J	1.5		0.649	J	10	U	1	U	0.988	U	0.801	J	1.1	U	1.1	U	1	U	1	U	1.1	U	1.1	U
SW6010C	T	Silver	7440-22-4	mg/kg	0.983	U	0.98	U	1.1	U	1	U	1.2	U	1	U	1	U	0.988	U	1	U	1.1	U	1.1	U	1	U	1	U	1.1	U	1.1	U
SW6010C	T	Sodium	7440-23-5	mg/kg	98.3	U	56.6	J	117		181		118	U	100	U	104	U	98.8	U	100	U	108	U	57.4	J	64.2	J	54.2	J	74.5	J	69.1	J
SW6010C	T	Thallium	7440-28-0	mg/kg	0.983	U	0.98	U	1.1	U	10.3	U	1.2	U	1	U	1	U	0.988	U	1	U	1.1	U	1.1	U	1	U	1	U	1.1	U	1.1	U
SW6010C	T	Vanadium	7440-62-2	mg/kg	19.1		19.2		20.8		18.5		19.1		18.8		17.6		18.5		19		18.7		13.5		17.9		20.6		23.1		23.4	
SW6010C	T	Zinc	7440-66-6	mg/kg	93.4		98		104	J	90.3		80		85.5		85.6		74.3		71.9		63.8		82.4		71.2		68.8		63.5		65	
SW6010C	TCLP	Arsenic	7440-38-2	ug/l	500	U	500	U	500	U	500	U	6.8	J	500	U	500	U	500	U	500	U	500	U	500	U	500	U	500	U	500	U	500	U
SW6010C	TCLP	Barium	7440-39-3	ug/l	725	J	917	J	646	J	590	J	413	J	535	J	646	J	997	J	464	J	500	J	646	J	703	J	882	J	492	J	541	J
SW6010C	TCLP	Cadmium	7440-43-9	ug/l	100	U	100	U	0.4	J	100	U	0.5	J	0.4	J	100	U	100	U	100	U	100	U	1	J	0.8	J	0.5	J	100	U	100	U
SW6010C	TCLP	Chromium, Total	7440-47-3	ug/l	100	U	1.8	J	0.9	J	0.7	J	2.4	J	1	J	100	U	2.5	J	1.2	J	2.6	J	1.1	J	100	U	100	U	0.8	J	0.9	J
SW6010C	TCLP	Lead	7439-92-1	ug/l	100	U	3	J	100	U	100	U	6.4	J	2.1	J	100	U	2.4	J	100	U	100	U	5.4	J	2.8	J	100	U	100	U	100	U
SW7470	TCLP	Mercury	7439-97-6	ug/l	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
SW6010C	TCLP	Selenium	7782-49-2	ug/l	6.8	J	500	U	6.9	J	500	U	6.9	J	7.1	J	9.8	J	6.7	J	7.9	J	6.5	J	500	U	500	U	500	U	9.4	J	500	U
SW6010C	TCLP	Silver	7440-22-4	ug/l	100	U	100	U	100	U	100	U	100	U	100	U	100	U	100	U	100	U	100	U	100	U	100	U	100	U	100	U	100	U
SW9012B	T	Cyanide	57-12-5	mg/kg	0.29	U											0.29	U											0.26	U				
A2540G	NA	Moisture, Percent	MOIST	%	4.4												7.9												7.4					
A2540G	NA	Total Solids	TSO	%	95.6												92.1												92.6					
E160.3	T	Total Solids	TSO	percent													92																	
SOLIDS	T	Total Solids	TSO	percent	96		92.8		92.1		87.9		78.5		93.9		92.6		93.7		92.5		92.4		88.1		93.9		93.7		86.8		85.4	
E1664	NA	Sgt Hem (Oil And Grease - Nonpolar	OILGREASENONP	mg/kg	205	U											213	U											519					

		Location ID:	STP-SB-07		STP-SB-07		STP-SB-08		STP-SB-08		STP-SB-08		STP-SB-08		STP-SB-08		STP-SB-08		STP-SS-01		STP-SS-02		STP-SS-02		STP-SS-03		STP-SS-04		STP-SS-05		STP-SS-06	
		Sample ID:	STP-SB-07_10.0-12.0		STP-SB-07_13.0-15.0		STP-SB-08_0.0-0.5		STP-SB-08_0.5-1.0		STP-SB-08_1.0-2.0		STP-SB-08_5.5-7.5		STP-SB-08_9.0-11.0		STP-SB-08_14.0-16.0		STP-SS-01_0-2		STP-SS-02_0-2		STP-SS-02_0-2 DUP		STP-SS-03_0-2		STP-SS-04_0-2		STP-SS-05_0-2		STP-SS-06_0-2	
		Depth:	10 - 12 ft		13 - 15 ft		0 - 0.5 ft		0.5 - 1 ft		1 - 2 ft		5.5 - 7.5 ft		9 - 11 ft		14 - 16 ft		0 - 2 in		0 - 2 in		0 - 2 in		0 - 2 in		0 - 2 in		0 - 2 in		0 - 2 in	
		Sample Type:	N		N		N		N		N		N		N		N		N		N		FD		N		N		N		N	
		Matrix:	SO		SO		SO		SO		SO		SO		SO		SO		SO		SO		SO		SO		SO		SO		SO	
		SDG:	R2010129/R2010130		R2010129/R2010130		R2010282/R2010284		R2010282/R2010284		R2010282/R2010284		R2010282/R2010284		R2010282/R2010284		R2010282/R2010284		R2010721/R2010722		R2010721/R2010722		R2010721/R2010722		R2010721/R2010722		R2010721/R2010722		R2010721/R2010722		R2010721/R2010722	
		Lab Sample ID:	R2010129/130-012		R2010129/130-013		R2010282/284-001		R2010282/284-002		R2010282/284-003		R2010282/284-004		R2010282/284-005		R2010282/284-006		R2010721/722-009		R2010721/722-006		R2010721/722-007		R2010721/722-008		R2010721/722-001		R2010721/722-002		R2010721/722-003	
		Sampled:	10/27/2020		10/27/2020		10/30/2020		10/30/2020		10/30/2020		10/30/2020		10/30/2020		10/30/2020		11/10/2020		11/10/2020		11/10/2020		11/10/2020		11/10/2020		11/10/2020		11/10/2020	
Method	Fraction	Chemical Name	CAS RN	Unit																												
E537	T	2-(N-methyl perfluorooctanesulfonamido) acetic acid	2355-31-9	ng/g							1	U							1.3	U	1.1	U	1.1	U	1.2	U	1.3	U	1.3	U	1.1	U
E537	T	N-Ethyl-N-((heptadecafluorooctyl)sulphonyl) glycine	2991-50-6	ng/g							1	U							1.3	U	1.1	U	1.1	U	1.2	U	1.3	U	1.3	U	1.1	U
E537	T	Perfluorobutanesulfonic acid (PFBS)	375-73-5	ng/g							1	U							1.3	U	1.1	U	1.1	U	1.2	U	1.3	U	1.3	U	1.1	U
E537	T	Perfluorobutanoic Acid	375-22-4	ng/g							1	U							0.59	J	1.1	U	1.1	U	1.2	U	1.3	U	1.3	U	1.1	U
E537	T	Perfluorodecane Sulfonic Acid	335-77-3	ng/g							1	U							1.3	U	1.1	U	1.1	U	1.2	U	1.3	U	1.3	U	1.1	U
E537	T	Perfluorodecanoic acid (PFDA)	335-76-2	ng/g							1	U							1.3	U	1.1	U	1.1	U	1.2	U	1.3	U	1.3	U	1.1	U
E537	T	Perfluorododecanoic acid (PFDoA)	307-55-1	ng/g							1	U							1.3	U	1.1	U	1.1	U	1.2	U	1.3	U	1.3	U	1.1	U
E537	T	Perfluoroheptane Sulfonate (PFHPS)	375-92-8	ng/g							1	U							1.3	U	1.1	U	1.1	U	1.2	U	1.3	U	1.3	U	1.1	U
E537	T	Perfluoroheptanoic acid (PFHpA)	375-85-9	ng/g							1	U							1.3	U	0.25	J	0.24	J	1.2	U	0.26	J	1.3	U	1.1	U
E537	T	Perfluorohexanesulfonic acid (PFHxS)	355-46-4	ng/g							1	U							1.3	U	1.1	U	1.1	U	1.2	U	1.3	U	1.3	U	1.1	U
E537	T	Perfluorohexanoic acid (PFHxA)	307-24-4	ng/g							1	U							1.3	U	1.1	U	1.1	U	1.2	U	1.3	U	1.3	U	1.1	U
E537	T	Perfluorononanoic acid (PFNA)	375-95-1	ng/g							1	U							1.3	U	1.1	U	1.1	U	1.2	U	1.3	U	1.3	U	1.1	U
E537	T	Perfluorooctane Sulfonamide (FOSA)	754-91-6	ng/g							1	U							1.3	U	1.1	U	1.1	U	1.2	U	1.3	U	1.3	U	1.1	U
E537	T	Perfluorooctanesulfonic acid (PFOS)	1763-23-1	ng/g							1	U							0.73	J	0.38	J	0.45	J	0.39	J	0.7	J	0.87	J	0.15	J
E537	T	Perfluorooctanoic acid (PFOA)	335-67-1	ng/g							1	U							1.3	U	1.1	U	1.1	U	1.2	U	1.3	U	1.3	U	1.1	U
E537	T	Perfluoropentanoic Acid (PFPeA)	2706-90-3	ng/g							0.23	J							1.3	U	1.1	U	1.1	U	1.2	U	1.3	U	1.3	U	1.1	U
E537	T	Perfluorotetradecanoic acid (PFTA)	376-06-7	ng/g							1	UJ							1.3	U	1.1	U	1.1	U	1.2	U	1.3	U	1.3	U	1.1	U
E537	T	Perfluorotridecanoic Acid (PFTriA)	72629-94-8	ng/g							1	U							1.3	U	1.1	U	1.1	U	1.2	U	1.3	U	1.3	U	1.1	U
E537	T	Perfluoroundecanoic Acid (PFUnA)	2058-94-8	ng/g							1	U							1.3	U	1.1	U	1.1	U	1.2	U	1.3	U	1.3	U	1.1	U
E537	T	Sodium 1H,1H,2H,2H-Perfluorodecane Sulfonate (8:2)	39108-34-4	ng/g							1	U							1.3	U	1.1	U	1.1	U	1.2	U	1.3	U	1.3	U	1.1	U
E537	T	Sodium 1H,1H,2H,2H-Perfluorooctane Sulfonate (6:2)	27619-97-2	ng/g							1	U							1.3	U	1.1	U	1.1	U	1.2	U	1.3	U	1.3	U	1.1	U
SW8260C	T	1,1,1-Trichloroethane (TCA)	71-55-6	ug/kg							5.2	U							8.3	U	6	U	5.9	U	7.7	U	7.3	U	6.9	U	5.6	U
SW8260C	T	1,1,2,2-Tetrachloroethane	79-34-5	ug/kg							5.2	U							8.3	U	6	U	5.9	U	7.7	U	7.3	U	6.9	U	5.6	U
SW8260C	T	1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	ug/kg							5.2	U							8.3	U	6	U	5.9	U	7.7	U	7.3	U	6.9	U	5.6	U
SW8260C	T	1,1,2-Trichloroethane	79-00-5	ug/kg							5.2	U							8.3	U	6	U	5.9	U	7.7	U	7.3	U	6.9	U	5.6	U
SW8260C	T	1,1-Dichloroethane	75-34-3	ug/kg							5.2	U							8.3	U	6	U	5.9	U	7.7	U	7.3	U	6.9	U	5.6	U
SW8260C	T	1,1-Dichloroethene	75-35-4	ug/kg							5.2	U							8.3	U	6	U	5.9	U	7.7	U	7.3	U	6.9	U	5.6	U
SW8260C	T	1,2,3-Trichlorobenzene	87-61-6	ug/kg							5.2	U							8.3	U	6	U	5.9	U	7.7	U	7.3	U	6.9	U	5.6	U
SW8260C	T	1,2,4-Trichlorobenzene	120-82-1	ug/kg							5.2	U							8.3	U	6	U	5.9	U	7.7	U	7.3	U	6.9	U	5.6	U
SW8260C	T	1,2,4-Trimethylbenzene	95-63-6	ug/kg							5.2	U							8.3	U	6	U	5.9	U	7.7	U	7.3	U	6.9	U	5.6	U
SW8260C	T	1,2-Dibromo-3-Chloropropane	96-12-8	ug/kg							5.2	U							8.3	U	6	U	5.9	U	7.7	U	7.3	U	6.9	U	5.6	U
SW8260C	T	1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	ug/kg							5.2	U							8.3	U	6	U	5.9	U	7.7	U	7.3	U	6.9	U	5.6	U
SW8260C	T	1,2-Dichlorobenzene	95-50-1	ug/kg							5.2	U							8.3	U	6	U	5.9	U	7.7	U	7.3	U	6.9	U	5.6	U
SW8260C	T	1,2-Dichloroethane	107-06-2	ug/kg							5.2	U							8.3	U	6	U	5.9	U	7.7	U	7.3	U	6.9	U	5.6	U
SW8260C	T	1,2-Dichloropropane	78-87-5	ug/kg							5.2	U							8.3	U	6	U	5.9	U	7.7	U	7.3	U	6.9	U	5.6	U
SW8260C	T	1,3,5-Trimethylbenzene (Mesitylene)	108-67-8	ug/kg							5.2	U							8.3	U	6	U	5.9	U	7.7	U	7.3	U	6.9	U	5.6	U
SW8260C	T	1,3-Dichlorobenzene	541-73-1	ug/kg							5.2	U							8.3	U	6	U	5.9	U	7.7	U	7.3	U	6.9	U	5.6	U
SW8260C	T	1,4-Dichlorobenzene	106-46-7	ug/kg							5.2	U							8.3	U	6	U	5.9	U	7.7	U	7.3	U	6.9	U	5.6	U
SW8260C	T	2-Hexanone	591-78-6	ug/kg							5.2	U							8.3	U	6	U	5.9	U	7.7	U	7.3	U	6.9	U	5.6	U
SW8260C	T	Acetone	67-64-1	ug/kg							5.1	J							8.3	U	6	U	5.9	U	7.7	U	7.3	U	6.9	U	5.6	U
SW8260C	T	Benzene	71-43-2	ug/kg							5.2	U							8.3	U	6	U	5.9	U	7.7	U	7.3	U	6.9	U	5.6	U
SW8260C	T	Bromochloromethane	74-97-5	ug/kg							5.2	U							8.3	U	6	U	5.9	U	7.7	U	7.3	U	6.9	U	5.6	U
SW8260C	T	Bromodichloromethane	75-27-4	ug/kg							5.2	U							8.3	U	6	U	5.9	U	7.7	U	7.3	U	6.9	U	5.6	U
SW8260C	T	Bromoform	75-25-2	ug/kg							5.2	U							8.3	U	6	U	5.9	U	7.7	U	7.3	U	6.9	U	5.6	U
SW8260C	T	Bromomethane	74-83-9	ug/kg							5.2	UJ							8.3	UJ	6	U	5.9	U	7.7	U	7.3	U	6.9	U	5.6	U
SW8260C	T	Carbon Disulfide	75-15-0	ug/kg							5.2	U							8.3	U	6	U	5.9	U	7.7	U	7.3	U	6.9	U	5.6	U
SW8260C	T	Carbon Tetrachloride	56-23-5	ug/kg							5.2	U							8.3	U	6	UJ	5.9	UJ	7.7	UJ	7.3	UJ	6.9	UJ	5.6	UJ
SW8260C	T	Chlorobenzene	108-90-7	ug/kg							5.2	U							8.3	U	6	U	5.9	U	7.7	U	7.3	U	6.9	U	5.6	U
SW8260C	T	Chloroethane	75-00-3	ug/kg							5.2	U							8.3	U	6	U	5.9	U	7.7	U	7.3	U	6.9	U	5.6	U
SW8260C	T	Chloroform	67-66-3	ug/kg							5.2	U							8.3	U	6	U	5.9	U	7.7	U	7.3	U	6.9	U	5.6	U
SW8260C	T	Chloromethane	74-87-3	ug/kg							5.2	U							8.3	U	6	U	5.9	U	7.7	U	7.3	U	6.9	U	5.6	U
SW8260C	T	Cis-1,2-Dichloroethylene	156-59-2	ug/kg							5.2	U							8.3	U	6	U	5.9	U	7.7	U	7.3	U	6.9	U	5.6	U
SW8260C	T	Cis-1,3-Dichloropropene	10061-01-5	ug/kg							5.2	U							8.3	U	6	U	5.9	U	7.7	U	7.3	U	6.9	U	5.6	U
SW8260C	T	Cyclohexane	110-82-7	ug/kg							5.2	U							8.3	U	6	U	5.9	U	7.7	U	7.3	U	6.9	U	5.6	U
SW8260C	T	Dibromochloromethane	124-48-1	ug/kg							5.2	U							8.3	U	6	U	5.9	U	7.7	U	7.3	U	6.9	U	5.6	U
SW8260C	T	Dichlorodifluoromethane	75-71-8	ug/kg							5.2	U							8.3	U	6	U	5.9	U	7.7	U	7.3	U	6.9	U	5.6	U
SW8260C	T	Ethylbenzene	100-41-4	ug/kg							5.2	U							8.3	U	6	U	5.9	U	7.7	U	7.3	U	6.9	U	5.6	U
SW8260C	T	Isopropylbenzene (Cumene)	98-82-8	ug/kg							5.2	U							8.3	U	6	U	5.9	U	7.7	U	7.3	U	6.9	U	5.6	U
SW8260C	T	m,p-Xylene	179601-23-1	ug/kg							10	U							17	U	12	U	12	U	15	U	15	U	14	U	11	U
SW8260C	T	Methyl Acetate	79-20-9	ug/kg							5.2	U							8.3	U	6	U	5.9	U	7.7	U	7.3	U	6.9	U	5.6	U
SW8260C	T	Methyl Ethyl Ketone (2-Butanone)	78-93-3	ug/kg							5.2	U							8.3	U	6	U	5.9	U	7.7	U	7.3	U	6.9	U	5.6	U
SW8260C	T	Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	108-10-1	ug/kg							5.2	U							8.3	U	6	U	5.9	U	7.7	U	7.3	U	6.9	U	5.6	U
SW8260C	T	Methylcyclohexane	108-87-2	ug/kg							5.2	U							8.3	U	6	U	5.9	U	7.7	U	7.3	U	6.9	U	5.6	U
SW8260C	T	Methylene Chloride	75-09-2	ug/kg							5.2	U							8.3	U	6	U	5.9	U	7.7	U	7.3	U	6.9	U	5.6	U
SW8260C	T	N-Butylbenzene	104-51-8	ug/kg							5.2	U							8.3	U	6	U	5.9	U	7.7	U	7.3	U	6.9	U	5.6	U
SW8260C	T	N-Propylbenzene	103-65-1	ug/kg							5.2	U							8.3	U	6	U	5.9	U	7.7	U	7.3	U	6.9	U	5.6	U
SW8260C	T	O-Xylene (1,2-Dimethylbenzene)	95-47-6	ug/kg							5.2	U							8.3	U	6	U	5.9	U	7.7	U	7.3	U	6.9	U	5.6	U
SW8260C	T	Sec-Butylbenzene	135-98-8	ug/kg							5.2	U							8.3	U	6	U	5.9	U	7.7	U	7.3	U	6.9	U	5.6	U
SW8260C	T	Styrene	100-42-5	ug/kg							5.2	U							8.3	U	6	U	5.9	U	7.7	U	7.3	U	6.9	U	5.6	U
SW8260C	T	T-Butylbenzene	98-06-6	ug/kg							5.2	U							8.3	U	6	U	5.9	U	7.7	U	7.3	U	6.9	U	5.6	U
SW8260C	T	Tert-Butyl Methyl Ether	1634-04-4	ug/kg							5.2	U							8.3	U	6	U	5.9	U	7.7	U	7.3	U	6.9	U	5.6	U
SW8260C	T	Tetrachloroethylene (PCE)	127-18-4	ug/kg							5.2	UJ							7	J	6.2		6.3		7.8		4.5	J	4.8	J	2.9	J
SW8260C	T	Toluene	108-88-3	ug/kg							5.2	U							8.3	U	6	U	5.9	U	7.7	U	7.3	U	6.9	U	5.6	U
SW8260C	T	Trans-1,2-Dichloroethene	156-60-5	ug/kg							5.2	U							8.3	U	6	U	5.9	U	7.7	U	7.3	U	6.9	U	5.6	U
SW8260C	T	Trans-1,3-Dichloropropene	10061-02-6	ug/kg							5.2	U							8.3	U	6	U	5.9	U	7.7	U	7.3	U	6.9	U	5.6	U
SW8260C	T	Trichloroethylene (TCE)	79-01-6	ug/kg							5.2	U							8.3	U	6	U	5.9	U	7.7	U	7.3	U	6.9	U	5.6	U
SW8260C	T	Trichlorofluoromethane	75-69-4	ug/kg							5.2	UJ							8.3	U	6	U	5.9	U	7.7	U	7.3	U	6.9	U	5.6	U
SW8260C	T	Vinyl Chloride	75-01-4	ug/kg							5.2	U							8.3	U	6	U	5.9	U	7.7	U	7.3	U	6.9	U	5.6	U
SW8270D	T	1,2,4,5-Tetrachlorobenzene	95-94-3	ug/kg	37	U	43	U	42	U	120	U	34	U	37	U	37	U	39	U	46	U	39	U	37	U	41	U	42	U	44	U	35	U
SW8270D	T	1,4-Dioxane (P-Dioxane)	123-91-1	ug/kg	76	U	86	U	85	UJ	230	UJ	69	U	74	U	75	UJ	78	U	94	U	79	U	75	U	84	U	86	U	89	U	71	U
SW8270D	T	2,3,4,6-Tetrachlorophenol	58-90-2	ug/kg	37	U	43	U	42	U	120	U	34	U	37	U	37	U	39	U	46	U	39	U	37	U	41	U	42	U	44	U	35	U
SW8270D	T	2,4,5-Trichlorophenol	95-95-4	ug/kg	37	U	43	U	42	U	120	U	34	U	37	U	37	U	39	U	46	U	39	U	37	U	41	U	42	U	44	U	35	U
SW8270D	T	2,4,6-Trichlorophenol	88-06-2	ug/kg	37	U	43	U	42	U	120	U	34	U	37	U	37	U	39	U	46	U	39	U	37	U	41	U	42	U	44	U	35	U
SW8270D	T	2,4-Dichlorophenol	120-83-2	ug/kg	37	U	43	U	42	U	120	U	34	U	37	U	37	U	39	U	46	U	39	U	37	U	41	U	42	U	44	U	35	U
SW8270D	T	2,4-Dimethylphenol	105-67-9	ug/kg	37	U	43	U	42	U	120	U	34	U	37	U	37	U	39	U	46	U	39	U	37	U	41	U	42	U	44	U	35	U
SW8270D	T	2,4-Dinitrophenol	51-28-5	ug/kg	37	U	43	U	42	U	120	U	34	U	37	U	37	U	39	U	47	U	39	U	38	U	42	U	43	U	44	U	35	U
SW8270D	T	2,4-Dinitrotoluene	121-14-2	ug/kg	37	U	43	U	42	U	120	U	34	U	37	U	37	U	39	U	46	U	39	U	37	U	41	U	42	U	44	U	35	U
SW8270D	T	2,6-Dinitrotoluene	606-20-2	ug/kg	37	U	43	U	42	U	120	U	34	U	37	U	37	U	39	U	46	U	39	U	37	U	41	U	42	U	44	U	35	U
SW8270D	T	2-Chloronaphthalene	91-58-7	ug/kg	37	U	43	U	42	U	120	U	34	U	37	U	37	U	39	U	46	U	39	U	37	U	41	U	42	U	44	U	35	U
SW8270D	T	2-Chlorophenol	95-57-8	ug/kg	37	U	43	U	42	U	120	U	34	U	37	U	37	U	39	U	46	U	39	U	37	U	41	U	42	U	44	U	35	U
SW8270D	T	2-Methylnaphthalene	91-57-6	ug/kg	4.3	J	8.5	U	8.7		10	J	6.8	U	7.3	U	7.3	U	7.7	U	75		8.6		5.4	J	6.8	J	180		11		6.9	U
SW8270D	T	2-Methylphenol (O-Cresol)	95-48-7	ug/kg	37	U	43	U	42	U	120	U	34	U	37	U	37	U	39	U	46	U	39	U	37	U	41	U	42	U	44	U	35	U
SW8270D	T	2-Nitroaniline	88-74-4	ug/kg	37	U	43	U	42	U	120	U	34	U	37	U	37	U	39	U	46	U	39	U	37	U	41	U	42	U	44	U	35	U
SW8270D	T	2-Nitrophenol	88-75-5	ug/kg	37	U	43	U	42	U	120	U	34	U	37	U	37	U	39	U	46	U	39	U	37	U	41	U	42	U	44	U	35	U
SW8270D	T	3,3'-Dichlorobenzidine	91-94-1	ug/kg	37	U	43	UJ	42	U	120	U	34	UJ	37	U	37	U	39	U	46	UJ	39	U	37	U	41	U	42	U	44	U	35	U
SW8270D	T	3-Nitroaniline	99-09-2	ug/kg	37	U	43	U	42	U	120	U	34	U	37	U	37	U	39	U	46	UJ	39	U	37	U	41	U	42	U	44	U	35	U
SW8270D	T	4,6-Dinitro-2-Methylphenol	534-52-1	ug/kg	37	U	43	U	42	U	120	U	34	U	37	U	37	U	39	U	46	U	39	U	37	U	41	U	42	U	44	U	35	U

PARSONS

				Location ID:	STP-SB-07	STP-SB-07	STP-SB-08	STP-SB-08	STP-SB-08	STP-SB-08	STP-SB-08	STP-SB-08	STP-SS-01	STP-SS-02	STP-SS-02	STP-SS-03	STP-SS-04	STP-SS-05	STP-SS-06
				Sample ID:	STP-SB-07_10.0-12.0	STP-SB-07_13.0-15.0	STP-SB-08_0.0-0.5	STP-SB-08_0.5-1.0	STP-SB-08_1.0-2.0	STP-SB-08_5.5-7.5	STP-SB-08_9.0-11.0	STP-SB-08_14.0-16.0	STP-SS-01_0-2	STP-SS-02_0-2	STP-SS-02_0-2 DUP	STP-SS-03_0-2	STP-SS-04_0-2	STP-SS-05_0-2	STP-SS-06_0-2
				Depth:	10 - 12 ft	13 - 15 ft	0 - 0.5 ft	0.5 - 1 ft	1 - 2 ft	5.5 - 7.5 ft	9 - 11 ft	14 - 16 ft	0 - 2 in	0 - 2 in	0 - 2 in	0 - 2 in	0 - 2 in	0 - 2 in	0 - 2 in
				Sample Type:	N	N	N	N	N	N	N	N	N	N	FD	N	N	N	N
				Matrix:	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
				SDG:	R2010129/R2010130	R2010129/R2010130	R2010282/R2010284	R2010282/R2010284	R2010282/R2010284	R2010282/R2010284	R2010282/R2010284	R2010282/R2010284	R2010721/R2010722	R2010721/R2010722	R2010721/R2010722	R2010721/R2010722	R2010721/R2010722	R2010721/R2010722	R2010721/R2010722
				Lab Sample ID:	R2010129/130-012	R2010129/130-013	R2010282/284-001	R2010282/284-002	R2010282/284-003	R2010282/284-004	R2010282/284-005	R2010282/284-006	R2010721/722-009	R2010721/722-006	R2010721/722-007	R2010721/722-008	R2010721/722-001	R2010721/722-002	R2010721/722-003
				Sampled:	10/27/2020	10/27/2020	10/30/2020	10/30/2020	10/30/2020	10/30/2020	10/30/2020	10/30/2020	11/10/2020	11/10/2020	11/10/2020	11/10/2020	11/10/2020	11/10/2020	11/10/2020
Method	Fraction	Chemical Name	CAS RN	Unit															
SW8270D	T	4-Bromophenyl Phenyl Ether	101-55-3	ug/kg	37 U	43 U	42 U	120 U	34 U	37 U	37 U	39 U	46 U	39 U	37 U	41 U	42 U	44 U	35 U
SW8270D	T	4-Chloro-3-Methylphenol	59-50-7	ug/kg	37 U	43 U	42 U	120 U	34 U	37 U	37 U	39 U	46 U	39 U	37 U	41 U	42 U	44 U	35 U
SW8270D	T	4-Chloroaniline	106-47-8	ug/kg	37 U	43 U	42 U	120 U	34 U	37 U	37 U	39 U	46 UJ	39 U	37 U	41 U	42 U	44 U	35 U
SW8270D	T	4-Chlorophenyl Phenyl Ether	7005-72-3	ug/kg	37 U	43 U	42 U	120 U	34 U	37 U	37 U	39 U	46 U	39 U	37 U	41 U	42 U	44 U	35 U
SW8270D	T	4-Nitroaniline	100-01-6	ug/kg	37 U	43 U	42 U	120 U	34 U	37 U	37 U	39 U	46 UJ	39 U	37 U	41 U	42 U	44 U	35 U
SW8270D	T	4-Nitrophenol	100-02-7	ug/kg	37 U	43 UJ	42 U	120 U	34 U	37 U	37 U	39 U	46 U	39 U	37 U	41 U	42 U	44 U	35 U
SW8270D	T	Acenaphthene	83-32-9	ug/kg	7.4 U	8.5 U	16	20 J	6.8 U	7.3 U	7.3 U	7.7 U	16	3.3 J	2 J	8.2 U	23	8.7 U	6.9 U
SW8270D	T	Acenaphthylene	208-96-8	ug/kg	18	8.5 U	210	270	11	7.3 U	7.3 U	2.5 J	320	40 J	16 J	43	670	40	6 J
SW8270D	T	Acetophenone	98-86-2	ug/kg	37 U	43 U	42 U	120 U	34 U	37 U	37 U	39 U	46 U	39 U	37 U	41 U	42 U	44 U	35 U
SW8270D	T	Anthracene	120-12-7	ug/kg	8.3	8.5 U	160	120	6.8 U	7.3 U	7.3 U	7.7 U	170	22 J	8.9 J	16	320	19	6.9 U
SW8270D	T	Atrazine	1912-24-9	ug/kg	37 U	43 UJ	42 U	120 U	34 U	37 U	37 U	39 U	46 UJ	39 UJ	37 UJ	41 UJ	42 UJ	44 UJ	35 UJ
SW8270D	T	Benzaldehyde	100-52-7	ug/kg	37 U	43 U	42 UJ	120 UJ	34 U	37 U	37 U	39 U	46 U	39 U	37 U	41 U	42 U	44 U	35 U
SW8270D	T	Benzo(A)Anthracene	56-55-3	ug/kg	16	8.6 U	500	250	28	7.3 U	7.4 U	7.3 J	300	54 J	26 J	44	470	53	7 U
SW8270D	T	Benzo(A)Pyrene	50-32-8	ug/kg	31	8.5 U	800	650	54	9.3	7.3 U	13	550	79 J	40 J	90	1000	77	6.9 U
SW8270D	T	Benzo(B)Fluoranthene	205-99-2	ug/kg	33	8.5 U	820	630	56	9	7.3 U	16	640	91 J	45 J	93	940	91	5.3 J
SW8270D	T	Benzo(G,H,I)Perylene	191-24-2	ug/kg	26	8.5 U	560	480	42	8.1	7.3 U	14	360	46 J	35 J	58	580	46	6.9 U
SW8270D	T	Benzo(K)Fluoranthene	207-08-9	ug/kg	11	8.5 U	280	240	19	7.3 U	7.3 U	5.6 J	200	25 J	15 J	37	290	34	6.9 U
SW8270D	T	Benzyl Butyl Phthalate	85-68-7	ug/kg	190 U	220 U	220 U	590 U	170 U	190 U	190 U	200 U	240 U	200 U	190 U	210 U	220 U	220 U	180 U
SW8270D	T	Biphenyl (Diphenyl)	92-52-4	ug/kg	37 U	43 U	42 U	120 U	34 U	37 U	37 U	39 U	12 J	39 U	37 U	41 U	28 J	44 U	35 U
SW8270D	T	Bis(2-Chloroethoxy) Methane	111-91-1	ug/kg	37 U	43 U	42 U	120 U	34 U	37 U	37 U	39 U	46 U	39 U	37 U	41 U	42 U	44 U	35 U
SW8270D	T	Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	111-44-4	ug/kg	37 U	43 U	42 U	120 U	34 U	37 U	37 U	39 U	46 U	39 U	37 U	41 U	42 U	44 U	35 U
SW8270D	T	Bis(2-Chloroisopropyl) Ether	108-60-1	ug/kg	37 U	43 U	42 U	120 U	34 U	37 U	37 U	39 U	46 U	39 U	37 U	41 U	42 U	44 U	35 U
SW8270D	T	Bis(2-Ethylhexyl) Phthalate	117-81-7	ug/kg	140 J	770 U	760 U	2100 U	610 U	670 U	670 U	700 U	840 U	710 U	680 U	750 U	770 U	790 U	630 U
SW8270D	T	Caprolactam	105-60-2	ug/kg	37 U	43 U	42 U	120 U	34 UJ	37 U	37 U	39 U	46 U	39 U	37 U	41 U	42 U	44 U	35 U
SW8270D	T	Carbazole	86-74-8	ug/kg	37 U	43 U	34 J	120 U	34 U	37 U	37 U	39 U	31 J	39 U	37 U	41 U	56	44 U	35 U
SW8270D	T	Chrysene	218-01-9	ug/kg	18	8.5 U	530	280	31	4.6 J	7.3 U	7.5 J	350	58 J	32 J	46	490	63	6.9 U
SW8270D	T	Cresols, M & P	MEPH1314	ug/kg	37 U	43 U	42 U	120 U	34 U	37 U	37 U	39 U	46 U	39 U	37 U	41 U	42 U	44 U	35 U
SW8270D	T	Dibenz(A,H)Anthracene	53-70-3	ug/kg	6.2 J	8.5 U	140	130	9.9	7.3 U	7.3 U	7.7 U	74	12 J	9.1 J	16	140	12	6.9 U
SW8270D	T	Dibenzofuran	132-64-9	ug/kg	7.4 U	8.5 U	13	23 U	6.8 U	7.3 U	7.3 U	7.7 U	24	7.8 U	7.4 U	8.2 U	59	4.5 J	6.9 U
SW8270D	T	Diethyl Phthalate	84-66-2	ug/kg	230 U	260 U	250 U	700 U	200 U	220 U	220 U	230 U	280 U	240 U	230 U	250 U	260 U	260 U	210 U
SW8270D	T	Dimethyl Phthalate	131-11-3	ug/kg	190 U	220 U	220 U	590 U	170 U	190 U	190 U	200 U	240 U	200 U	190 U	210 U	220 U	220 U	180 U
SW8270D	T	Di-N-Butyl Phthalate	84-74-2	ug/kg	560 U	640 U	630 U	1700 U	510 U	560 U	560 U	580 U	700 U	590 U	560 U	620 U	640 U	660 U	530 U
SW8270D	T	Di-N-Octylphthalate	117-84-0	ug/kg	190 U	220 U	220 U	590 U	170 U	190 U	190 U	200 U	240 U	200 U	190 U	210 U	220 U	220 U	180 U
SW8270D	T	Fluoranthene	206-44-0	ug/kg	25	8.5 U	880	400	40	7.3 U	7.3 U	11	440	94 J	43 J	45	580	88	6.9 U
SW8270D	T	Fluorene	86-73-7	ug/kg	3.3 J	8.5 U	29	20 J	6.8 U	7.3 U	7.3 U	7.7 U	36	5.7 J	7.4 U	3 J	69	7.6 J	2.9 J
SW8270D	T	Hexachlorobenzene	118-74-1	ug/kg	7.5 U	8.6 U	8.4 U	23 U	6.8 U	7.3 U	7.4 U	7.7 U	9.3 U	7.8 U	7.4 U	8.2 U	8.5 U	8.7 U	6.9 U
SW8270D	T	Hexachlorobutadiene	87-68-3	ug/kg	37 U	43 U	42 U	120 U	34 U	37 U	37 U	39 U	46 U	39 U	37 U	41 U	42 U	44 U	35 U
SW8270D	T	Hexachlorocyclopentadiene	77-47-4	ug/kg	37 U	43 U	42 UJ	120 UJ	34 U	37 UJ	37 U	39 UJ	47 UJ	39 UJ	38 UJ	42 UJ	43 UJ	44 UJ	35 UJ
SW8270D	T	Hexachloroethane	67-72-1	ug/kg	37 U	43 U	42 U	120 U	34 U	37 U	37 U	39 U	46 U	39 U	37 U	41 U	42 U	44 U	35 U
SW8270D	T	Indeno(1,2,3-C,D)Pyrene	193-39-5	ug/kg	22	8.5 U	630	550	39	6.7 J	7.3 U	12	330	44 J	31 J	61	540	33	6.9 U
SW8270D	T	Isophorone	78-59-1	ug/kg	37 U	43 U	42 U	120 U	34 U	37 U	37 U	39 U	46 U	39 U	37 U	41 U	42 U	44 U	35 U
SW8270D	T	Naphthalene	91-20-3	ug/kg	8.2	8.5 U	19	27	6.8 U	7.3 U	7.3 U	7.7 U	140	16 J	8.9 J	13	420	19	3.5 J
SW8270D	T	Nitrobenzene	98-95-3	ug/kg	7.4 U	8.5 U	8.4 U	23 U	6.8 U	7.3 U	7.3 U	7.7 U	9.3 U	7.8 U	7.4 U	8.2 U	8.5 U	8.7 U	6.9 U
SW8270D	T	N-Nitrosodi-N-Propylamine	621-64-7	ug/kg	37 U	43 U	42 U	120 U	34 U	37 U	37 U	39 U	46 U	39 U	37 U	41 U	42 U	44 U	35 U
SW8270D	T	N-Nitrosodiphenylamine	86-30-6	ug/kg	37 U	43 U	42 U	120 U	34 U	37 U	37 U	39 U	46 U	39 U	37 U	41 U	42 U	44 U	35 U
SW8270D	T	Pentachlorophenol	87-86-5	ug/kg	37 U	43 UJ	42 UJ	120 UJ	34 U	37 U	37 U	39 U	47 U	39 U	38 U	42 U	43 U	44 U	35 U
SW8270D	T	Phenanthrene	85-01-8	ug/kg	10	8.5 U	430	95	6.4 J	4.1 J	7.3 U	5 J	190	48 J	21 J	18	270	40	6.9 U
SW8270D	T	Phenol	108-95-2	ug/kg	37 U	43 U	42 U	120 U	34 U	37 U	37 U	39 U	46 U	39 U	37 U	41 U	42 U	44 U	35 U
SW8270D	T	Pyrene	129-00-0	ug/kg	30	8.5 U	740	360	41	5.3 J	7.3 U	9.5	480	88 J	43 J	47	640	78	4.2 J
SW8081B	T	Aldrin	309-00-2	ug/kg					1.8 U				12 UJ	2 U	2 U	21 U	22 U	11 U	1.9 U
SW8081B	T	Alpha Bhc (Alpha Hexachlorocyclohexane)	319-84-6	ug/kg					1.8 U				12 UJ	2 U	2 U	21 U	22 U	11 U	1.9 U
SW8081B	T	Alpha Endosulfan	959-98-8	ug/kg					1.8 U				12 UJ	2 U	2 U	21 U	22 U	11 U	1.9 U
SW8081B	T	Beta Bhc (Beta Hexachlorocyclohexane)	319-85-7	ug/kg					1.8 U				12 UJ	2 U	2 U	21 U	22 U	11 U	1.9 U
SW8081B	T	Beta Endosulfan	33213-65-9	ug/kg					1.8 U				12 UJ	2 U	2 U	21 U	22 U	11 U	1.9 U
SW8081B	T	Chlordane (Technical)	12789-03-6	ug/kg					1.8 U				12 UJ	2 U	2 U	21 U	22 U	11 U	1.9 U
SW8081B	T	cis-Chlordane	5103-71-9	ug/kg					1.8 U				12 UJ	2 U	2 U	21 U	22 U	11 U	1.9 U
SW8081B	T	Delta BHC (Delta Hexachlorocyclohexane)	319-86-8	ug/kg					1.8 U				12 UJ	2 U	2 U	21 U	22 U	11 U	1.9 U
SW8081B	T	Dieldrin	60-57-1	ug/kg					1.8 U				12 UJ	2 U	2 U	21 U	22 U	11 U	1.9 U
SW8081B	T	Endosulfan Sulfate	1031-07-8	ug/kg					1.8 U				12 UJ	2 U	2 U	21 U	22 U	11 U	1.9 U
SW8081B	T	Endrin	72-20-8	ug/kg					1.8 U				12 UJ	2 U	2 U	21 U	22 U	11 U	1.9 U
SW8081B	T	Endrin Aldehyde	7421-93-4	ug/kg					1.8 U				12 UJ	2 U	2 U	21 U	22 U	11 U	1.9 U
SW8081B	T	Endrin Ketone	53494-70-5	ug/kg					1.8 U				12 UJ	2 U	2 U	21 U	22 U	11 U	1.9 U
SW8081B	T	Gamma Bhc (Lindane)	58-89-9	ug/kg					1.8 U				12 UJ	2 U	2 U	21 U	22 U	11 U	1.9 U
SW8081B	T	Heptachlor	76-44-8	ug/kg					1.8 U				12 UJ	2 U	2 U	21 U	22 U	11 U	1.9 U
SW8081B	T	Heptachlor Epoxide	1024-57-3	ug/kg					1.8 U				12 UJ	2 U	2 U	21 U	22 U	11 U	1.9 U
SW8081B	T	Methoxychlor	72-43-5	ug/kg					1.8 U				12 UJ	2 U	2 U	21 U	22 U	11 U	1.9 U
SW8081B	T	P,P'-DDD	72-54-8	ug/kg					1.8 U				12 UJ	2 U	2 U	21 U	22 U	11 U	1.9 U
SW8081B	T	P,P'-DDE	72-55-9	ug/kg					1.8 U				12 UJ	2 U	2 U	21 U	22 U	11 U	1.9 U
SW8081B	T	P,P'-DDT	50-29-3	ug/kg					1.8 U				12 UJ	2 U	2 U	21 U	22 U	11 U	1.9 U
SW8081B	T	Toxaphene	8001-35-2	ug/kg					35 U				220 UJ	38 U	38 U	420 U	440 U	210 U	36 U
SW8082A	T	PCB-1016 (Aroclor 1016)	12674-11-2	ug/kg					35 U				45 U	38 U	38 U	42 U	44 U	43 U	36 U
SW8082A	T	PCB-1221 (Aroclor 1221)	11104-28-2	ug/kg					71 U				91 U	78 U	78 U	84 U	88 U	87 U	73 U
SW8082A	T	PCB-1232 (Aroclor 1232)	11141-16-5	ug/kg					35 U				45 U	38 U	38 U	42 U	44 U	43 U	36 U
SW8082A	T	PCB-1242 (Aroclor 1242)	53469-21-9	ug/kg					35 U				45 U	38 U	38 U	42 U	44 U	43 U	36 U
SW8082A	T	PCB-1248 (Aroclor 1248)	12672-29-6	ug/kg					35 U				45 U	38 U	38 U	42 U	44 U	43 U	36 U
SW8082A	T	PCB-1254 (Aroclor 1254)	11097-69-1	ug/kg					35 U				45 U	38 U	38 U	42 U	44 U	43 U	36 U
SW8082A	T	PCB-1260 (Aroclor 1260)	11096-82-5	ug/kg					35 U				45 U	38 U	38 U	42 U	44 U	43 U	36 U
SW8082A	T	PCB-1262 (Aroclor 1262)	37324-23-5	ug/kg					35 U				45 U	38 U	38 U	42 U	44 U	43 U	36 U
SW8082A	T	PCB-1268 (Aroclor 1268)	11100-14-4	ug/kg					35 U				45 U	38 U	38 U	42 U	44 U	43 U	36 U
SW8082A	T	Polychlorinated Biphenyl (PCBs)	1336-36-3	ug/kg					35 U				45 U	38 U	38 U	42 U	44 U	43 U	36 U
SW8151A	T	Silvex (2,4,5-TP)	93-72-1	ug/kg					11 U				16 U	12 U	12 U	13 U	13 U	13 U	11 U
SW6010C	T	Aluminum	7429-90-5	mg/kg	11300	10300	16200	11500	13400	11700	12000	11900	12300	8640	8540	11800	12200	9980	9710
SW6010C	T	Antimony	7440-36-0	mg/kg	6.1 U	7.1 U	7.6 U	6.6 U	6.3 UJ	6.3 U	6.5 U	6.6 U	8.2 UJ	6.9 U	6.5 U	7.4 U	7.1 U	7.8 U	6.1 U
SW6010C	T	Arsenic	7440-38-2	mg/kg	8	8.8	7.3	7.8	6.1 J	10	10.2	8.4	8.6	7.7	7.8	8.2	8.1	7.5	6.3
SW6010C	T	Barium	7440-39-3	mg/kg	168	100	119	154	109	165	175	149	133	92.3	89.8	117	137	116	58.3
SW6010C	T	Beryllium	7440-41-7	mg/kg	0.44	0.439	0.455	0.471	0.411	0.475	0.533	0.485	0.545	0.518	0.52	0.494	0.547	0.6	0.379
SW6010C	T	Boron	7440-42-8	mg/kg	14 J	13.6 J	12.9 J	11.5 J	11.2 J	13.8 J	14.5 J	14.3 J	17.9 J	11.8 J	11.6 J	12.8 J	14.6 J	13.2 J	12.8 J
SW6010C	T	Cadmium	7440-43-9	mg/kg	0.266 J	0.225 J	0.177 J	0.295 J	0.158 J	0.264 J	0.239 J	0.265 J	0.355 J	0.576 U	0.282 J	0.617 U	0.297 J	0.652 U	0.512 U
SW6010C	T	Calcium	7440-70-2	mg/kg	2520	902	1310	4180	1120	1400	1670	1310	3940	10700	13600	1980	2810	3140	23000
CALC	T	Chromium III	16065-83-1	mg/kg					13.9				15.2	11	11	13.9	14.5	12.6	12.2
SW7199	T	Chromium, Hexavalent	18540-29-9	mg/kg					0.14 J				0.55 U	0.46 U	0.46 U	0.49 U	0.51 U	0.52 U	0.43 U
SW6010C	T	Chromium, Total	7440-47-3	mg/kg	15.4	13.7	17	12.9	13.9	15.4	16.1	33.5	15.2	11	11	13.7	14.5	12.6	12.2
SW6010C	T	Cobalt	7440-48-4	mg/kg	10	8.5	9.5	8.2	8.1	10.5	11	10.6	9.1	12.2	11.8	8.1	9	10.2	7.5
SW6010C	T	Copper	7440-50-8	mg/kg	30.5	22.3	18	18.9	17.2	20.8	18.9	24.6	26.9	17.5	17.3	18.6	20.9	17.4	25
SW6010C	T	Iron	7439-89-6	mg/kg	26600	25000	25600	21200	22900	28200	29800	28700	24400	19300	19300	22400	23700	19900	24500
SW6010C	T	Lead	7439-92-1	mg/kg	15.1	11.1	10.8	28.5	10.2	13.4	11.1	10.7	39.1	22.5	21.2	26.9	32.3	28.6	8.7
SW6010C	T	Magnesium	7439-95-4	mg/kg	3740	3330	3710	3070	3020	3650	3790	3540	3300	5180	6810	2860	3130	2880	4880

				Location ID:	STP-SB-07		STP-SB-07		STP-SB-08		STP-SB-08		STP-SB-08		STP-SB-08		STP-SB-08		STP-SS-01		STP-SS-02		STP-SS-02		STP-SS-03		STP-SS-04		STP-SS-05		STP-SS-06	
				Sample ID:	STP-SB-07_10.0-12.0		STP-SB-07_13.0-15.0		STP-SB-08_0.0-0.5		STP-SB-08_0.5-1.0		STP-SB-08_1.0-2.0		STP-SB-08_5.5-7.5		STP-SB-08_9.0-11.0		STP-SB-08_14.0-16.0		STP-SS-01_0-2		STP-SS-02_0-2		STP-SS-02_0-2 DUP		STP-SS-03_0-2		STP-SS-04_0-2		STP-SS-05_0-2		STP-SS-06_0-2	
				Depth:	10 - 12 ft		13 - 15 ft		0 - 0.5 ft		0.5 - 1 ft		1 - 2 ft		5.5 - 7.5 ft		9 - 11 ft		14 - 16 ft		0 - 2 in		0 - 2 in		0 - 2 in		0 - 2 in		0 - 2 in		0 - 2 in		0 - 2 in	
				Sample Type:	N		N		N		N		N		N		N		N		N		N		FD		N		N		N		N	
				Matrix:	SO		SO		SO		SO		SO		SO		SO		SO		SO		SO		SO		SO		SO		SO		SO	
				SDG:	R2010129/R2010130		R2010129/R2010130		R2010282/R2010284		R2010282/R2010284		R2010282/R2010284		R2010282/R2010284		R2010282/R2010284		R2010282/R2010284		R2010721/R2010722		R2010721/R2010722		R2010721/R2010722		R2010721/R2010722		R2010721/R2010722		R2010721/R2010722		R2010721/R2010722	
				Lab Sample ID:	R2010129/130-012		R2010129/130-013		R2010282/284-001		R2010282/284-002		R2010282/284-003		R2010282/284-004		R2010282/284-005		R2010282/284-006		R2010721/722-009		R2010721/722-006		R2010721/722-007		R2010721/722-008		R2010721/722-001		R2010721/722-002		R2010721/722-003	
				Sampled:	10/27/2020		10/27/2020		10/30/2020		10/30/2020		10/30/2020		10/30/2020		10/30/2020		10/30/2020		11/10/2020		11/10/2020		11/10/2020		11/10/2020		11/10/2020		11/10/2020		11/10/2020	
Method	Fraction	Chemical Name	CAS RN	Unit																														
SW6010C	T	Manganese	7439-96-5	mg/kg	514		209		355		689		336		451		641		423		487		722		716		469		483		548		331	
SW7471	T	Mercury	7439-97-6	mg/kg	0.035	U	0.042	U	0.034	J	0.04		0.018	J	0.035	U	0.036	U	0.036	U	0.075	J	0.028	J	0.026	J	0.047		0.046		0.049		0.034	U
SW6010C	T	Nickel	7440-02-0	mg/kg	22.8		21.7		22.8		18		18.7		24.8		25.2		28.4		20.4		22.4		21.8		18.5		19.8		20.2		18.8	
SW6010C	T	Potassium	7440-09-7	mg/kg					793		852		764		1010		1180		1230		1650		1180		1120		1080		1240		1180		849	
SW6010C	T	Selenium	7782-49-2	mg/kg	0.799	J	1.2	U	1.3	U	0.722	J	10.5	U	0.634	J	0.804	J	1.1	U	1.4	U	1.2	U	1.1	U	1.2	U	1.2	U	1.3	U	1	U
SW6010C	T	Silver	7440-22-4	mg/kg	1	U	1.2	U	1.3	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.4	U	1.2	U	1.1	U	1.2	U	1.2	U	1.3	U	1	U
SW6010C	T	Sodium	7440-23-5	mg/kg	104		119	U	122	J	96.6	J	101	J	56.9	J	109	U	87.1	J	136	U	115	U	108	U	123	U	119	U	130	U	102	U
SW6010C	T	Thallium	7440-28-0	mg/kg	1	U	1.2	U	1.3	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.4	U	1.2	U	1.1	U	12.6	U	11.9	U	1.3	U	1	U
SW6010C	T	Vanadium	7440-62-2	mg/kg	16.8		15.2		20.7		18		18.5		16.9		17.3		17.7		19.9		13.4		13.2		18.3		19.3		14.9		14.3	
SW6010C	T	Zinc	7440-66-6	mg/kg	84.4		61.2		71.4		81.6		59.5		61.7		63.6		62.2		88.9		92.8		92.6		69.3		78		85.8		63.4	
SW6010C	TCLP	Arsenic	7440-38-2	ug/l	500	U	6.5	J	500	U	500	U	500	U	500	U	500	U	500	U	8.8	J	5.6	J	5.7	J	10.2	J	9.7	J	11.2	J	500	U
SW6010C	TCLP	Barium	7440-39-3	ug/l	932	J	392	J	605	J	844	J	465	J	536	J	509	J	630	J	410	J	630	J	620	J	425	J	425	J	491	J	618	J
SW6010C	TCLP	Cadmium	7440-43-9	ug/l	100	U	100	U	0.5	J	0.5	J	100	U	100	U	100	U	100	U	0.7	J	1.1	J	1.2	J	0.4	J	0.4	J	0.8	J	0.6	J
SW6010C	TCLP	Chromium, Total	7440-47-3	ug/l	1.3	J	2.5	J	0.6	J	100	U	100	U	5.5	J	100	U	3.5	J	4.4	J	100	U	100	U	9.2	J	5.6	J	5.6	J	100	U
SW6010C	TCLP	Lead	7439-92-1	ug/l	2.7	J	100	U	3.5	J	100	U	100	U	3.4	J	100	U	2.5	J	10	J	2.1	J	100	U	14.3	J	7.9	J	10	J	100	U
SW7470	TCLP	Mercury	7439-97-6	ug/l	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
SW6010C	TCLP	Selenium	7782-49-2	ug/l	500	U	500	U	500	U	500	U	7.8	J	6.8	J	7.8	J	10.2	J	500	U	500	U	500	U	500	U	500	U	500	U	500	U
SW6010C	TCLP	Silver	7440-22-4	ug/l	100	U	100	U	100	U	100	U	100	U	100	U	100	U	100	U	100	U	100	U	100	U	100	U	100	U	100	U	100	U
SW9012B	T	Cyanide	57-12-5	mg/kg									0.3	U							0.52		0.27	U	0.25	U	0.32		0.33		0.28	J	0.26	U
A2540G	NA	Moisture, Percent	MOIST	%									4.2								28.2		13		12.8		20		22.5		21.4		7.4	
A2540G	NA	Total Solids	TSO	%									95.8								71.8		87		87.2		80		77.5		78.6		92.6	
E160.3	T	Total Solids	TSO	percent																	73.6		87.2		87.3		80.2		76.8		77.7		92.4	
SOLIDS	T	Total Solids	TSO	percent	88.8		76.6		79.1		86.2		95		89.3		90.2		87.2		71.9		86.8		87.1		79.4		76.5		76.7		92.2	
E1664	NA	Sgt Hem (Oil And Grease - Nonpolar	OILGREASENONP	mg/kg									207	U							278	U	228	U	225	U	250	U	258	U	252	U	214	U

				Location ID:	STP-SS-07		STP-SS-08		STP-TP-01		STP-TP-01		STP-TP-02		STP-TP-02		STP-TP-02		STP-TP-03		STP-TP-03		STP-TP-04		STP-TP-04	
				Sample ID:	STP-SS-07_0-2		STP-SS-08_0-2		STP-TP-01_0.8-1.2		STP-TP-01_3.3-4.0		STP-TP-02_5.0-6.0		STP-TP-02_5.0-6.0 DUP		STP-TP-02_7.0-7.6		STP-TP-03_0.5-1.0		STP-TP-03_6.5-7.0		STP-TP-04_1.0-1.5		STP-TP-04_6.0-6.5	
				Depth:	0 - 2 in		0 - 2 in		0.8 - 1.2 ft		3.3 - 4 ft		5 - 6 ft		5 - 6 ft		7 - 7.6 ft		0.5 - 1 ft		6.5 - 7 ft		1 - 1.5 ft		6 - 6.5 ft	
				Sample Type:	N		N		N		N		N		FD		N		N		N		N		N	
				Matrix:	SO		SO		SO		SO		SO		SO		SO		SO		SO		SO		SO	
				SDG:	R2010721/R2010722		R2010721/R2010722		R2010127/R2010128		R2010127/R2010128		R2010127/R2010128		R2010127/R2010128		R2010127/R2010128		R2010127/R2010128		R2010127/R2010128		R2010127/R2010128		R2010127/R2010128	
				Lab Sample ID:	R2010721/722-004		R2010721/722-005		R2010127/128-001		R2010127/128-002		R2010127/128-003		R2010127/128-006		R2010127/128-004		R2010127/128-008		R2010127/128-007		R2010127/128-011		R2010127/128-010	
				Sampled:	11/10/2020		11/10/2020		10/27/2020		10/27/2020		10/27/2020		10/27/2020		10/27/2020		10/28/2020		10/28/2020		10/28/2020		10/28/2020	
Method	Fraction	Chemical Name	CAS RN	Unit																						
E537	T	2-(N-methyl perfluorooctanesulfonamido) acetic acid	2355-31-9	ng/g	1.1	U	1.2	U	1.1	U			1	U					1.1	U					1.2	U
E537	T	N-Ethyl-N-((heptadecafluorooctyl)sulphonyl) glycine	2991-50-6	ng/g	1.1	U	0.46	J	1.1	U			1	U					1.1	U					1.2	U
E537	T	Perfluorobutanesulfonic acid (PFBS)	375-73-5	ng/g	1.1	U	1.2	U	1.1	U			1	U					1.1	U					1.2	U
E537	T	Perfluorobutanoic Acid	375-22-4	ng/g	1.1	U	1.2	U	1.1	U			1	U					1.1	U					1.2	U
E537	T	Perfluorodecane Sulfonic Acid	335-77-3	ng/g	1.1	U	1.7		1.1	U			1	U					1.1	U					1.2	U
E537	T	Perfluorodecanoic acid (PFDA)	335-76-2	ng/g	1.1	U	0.36	J	1.1	U			1	U					1.1	U					1.2	U
E537	T	Perfluorododecanoic acid (PFDoA)	307-55-1	ng/g	1.1	U	1.2	U	1.1	U			1	U					1.1	U					1.2	U
E537	T	Perfluoroheptane Sulfonate (PFHPS)	375-92-8	ng/g	1.1	U	1.2	U	1.1	U			1	U					1.1	U					1.2	U
E537	T	Perfluoroheptanoic acid (PFHpA)	375-85-9	ng/g	1.1	U	0.36	J	0.24	J			1	U					1.1	U					1.2	U
E537	T	Perfluorohexanesulfonic acid (PFHxS)	355-46-4	ng/g	1.1	U	1.2	U	1.1	U			1	U					1.1	U					1.2	U
E537	T	Perfluorohexanoic acid (PFHxA)	307-24-4	ng/g	1.1	U	0.51	J	1.1	U			1	U					1.1	U					1.2	U
E537	T	Perfluorononanoic acid (PFNA)	375-95-1	ng/g	1.1	U	1.2	U	1.1	U			1	U					1.1	U					1.2	U
E537	T	Perfluorooctane Sulfonamide (FOSA)	754-91-6	ng/g	1.1	U	1.2	U	1.1	U			1	U					1.1	U					1.2	U
E537	T	Perfluorooctanesulfonic acid (PFOS)	1763-23-1	ng/g	0.27	J	3.3		0.46	J			1	U					1.1	U					1.2	U
E537	T	Perfluorooctanoic acid (PFOA)	335-67-1	ng/g	1.1	U	1.2	U	0.61	J			1	U					0.15	J					0.18	J
E537	T	Perfluoropentanoic Acid (PFPeA)	2706-90-3	ng/g	1.1	U	0.45	J	1.1	U			1	U					1.1	U					1.2	U
E537	T	Perfluorotetradecanoic acid (PFTA)	376-06-7	ng/g	1.1	U	1.2	U	1.1	U			1	U					1.1	U					1.2	U
E537	T	Perfluorotridecanoic Acid (PFTriA)	72629-94-8	ng/g	1.1	U	1.2	U	1.1	U			1	U					1.1	U					1.2	U
E537	T	Perfluoroundecanoic Acid (PFUnA)	2058-94-8	ng/g	1.1	U	1.2	U	1.1	U			1	U					1.1	U					1.2	U
E537	T	Sodium 1H,1H,2H,2H-Perfluorodecane Sulfonate (8:2)	39108-34-4	ng/g	1.1	U	1.2	U	1.1	U			1	U					1.1	U					1.2	U
E537	T	Sodium 1H,1H,2H,2H-Perfluorooctane Sulfonate (6:2)	27619-97-2	ng/g	1.1	U	1.2	U	1.1	U			1	U					1.1	U					1.2	U
SW8260C	T	1,1,1-Trichloroethane (TCA)	71-55-6	ug/kg	6.4	U	9.8	U	7.7	U			5.7	U					7.4	U					5.1	U
SW8260C	T	1,1,2,2-Tetrachloroethane	79-34-5	ug/kg	6.4	U	9.8	U	7.7	UJ			5.7	U					7.4	U					5.1	U
SW8260C	T	1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	ug/kg	6.4	U	9.8	U	7.7	U			5.7	U					7.4	U					5.1	U
SW8260C	T	1,1,2-Trichloroethane	79-00-5	ug/kg	6.4	U	9.8	U	7.7	U			5.7	U					7.4	U					5.1	U
SW8260C	T	1,1-Dichloroethane	75-34-3	ug/kg	6.4	U	9.8	U	7.7	U			5.7	U					7.4	U					5.1	U
SW8260C	T	1,1-Dichloroethene	75-35-4	ug/kg	6.4	U	9.8	U	7.7	U			5.7	U					7.4	U					5.1	U
SW8260C	T	1,2,3-Trichlorobenzene	87-61-6	ug/kg	6.4	U	9.8	U	7.7	UJ			5.7	U					7.4	U					5.1	U
SW8260C	T	1,2,4-Trichlorobenzene	120-82-1	ug/kg	6.4	U	9.8	U	7.7	UJ			5.7	U					7.4	U					5.1	U
SW8260C	T	1,2,4-Trimethylbenzene	95-63-6	ug/kg	6.4	U	9.8	U	7.7	UJ			5.7	U					7.4	U					5.1	U
SW8260C	T	1,2-Dibromo-3-Chloropropane	96-12-8	ug/kg	6.4	U	9.8	U	7.7	UJ			5.7	U					7.4	U					5.1	U
SW8260C	T	1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	ug/kg	6.4	U	9.8	U	7.7	U			5.7	U					7.4	U					5.1	U
SW8260C	T	1,2-Dichlorobenzene	95-50-1	ug/kg	6.4	U	9.8	U	7.7	UJ			5.7	U					7.4	U					5.1	U
SW8260C	T	1,2-Dichloroethane	107-06-2	ug/kg	6.4	U	9.8	U	7.7	UJ			5.7	UJ					7.4	U					5.1	U
SW8260C	T	1,2-Dichloropropane	78-87-5	ug/kg	6.4	U	9.8	U	7.7	U			5.7	U					7.4	U					5.1	U
SW8260C	T	1,3,5-Trimethylbenzene (Mesitylene)	108-67-8	ug/kg	6.4	U	9.8	U	7.7	UJ			5.7	U					7.4	U					5.1	U
SW8260C	T	1,3-Dichlorobenzene	541-73-1	ug/kg	6.4	U	9.8	U	7.7	UJ			5.7	U					7.4	U					5.1	U
SW8260C	T	1,4-Dichlorobenzene	106-46-7	ug/kg	6.4	U	9.8	U	7.7	UJ			5.7	U					7.4	U					5.1	U
SW8260C	T	2-Hexanone	591-78-6	ug/kg	6.4	U	9.8	U	7.7	U			5.7	U					7.4	U					5.1	U
SW8260C	T	Acetone	67-64-1	ug/kg	6.4	U	9.8	U	7.7	U			5.7	U					7.4	U					5.1	U
SW8260C	T	Benzene	71-43-2	ug/kg	6.4	U	9.8	U	7.7	U			5.7	U					7.4	U					5.1	U
SW8260C	T	Bromochloromethane	74-97-5	ug/kg	6.4	U	9.8	U	7.7	U			5.7	U					7.4	U					5.1	U
SW8260C	T	Bromodichloromethane	75-27-4	ug/kg	6.4	U	9.8	U	7.7	U			5.7	U					7.4	U					5.1	U
SW8260C	T	Bromoform	75-25-2	ug/kg	6.4	U	9.8	U	7.7	UJ			5.7	U					7.4	U					5.1	U
SW8260C	T	Bromomethane	74-83-9	ug/kg	6.4	U	9.8	U	7.7	UJ			5.7	UJ					7.4	UJ					5.1	UJ
SW8260C	T	Carbon Disulfide	75-15-0	ug/kg	6.4	U	9.8	U	7.7	U			5.7	U					7.4	U					5.1	U
SW8260C	T	Carbon Tetrachloride	56-23-5	ug/kg	6.4	UJ	9.8	UJ	7.7	U			5.7	U					7.4	UJ					5.1	UJ
SW8260C	T	Chlorobenzene	108-90-7	ug/kg	6.4	U	9.8	U	7.7	U			5.7	U					7.4	U					5.1	U
SW8260C	T	Chloroethane	75-00-3	ug/kg	6.4	U	9.8	U	7.7	U			5.7	U					7.4	U					5.1	U
SW8260C	T	Chloroform	67-66-3	ug/kg	6.4	U	9.8	U	7.7	U			5.7	U					7.4	U					5.1	U
SW8260C	T	Chloromethane	74-87-3	ug/kg	6.4	U	9.8	U	7.7	U			5.7	U					7.4	U					5.1	U
SW8260C	T	Cis-1,2-Dichloroethylene	156-59-2	ug/kg	6.4	U	9.8	U	7.7	U			5.7	U					7.4	U					5.1	U
SW8260C	T	Cis-1,3-Dichloropropene	10061-01-5	ug/kg	6.4	U	9.8	U	7.7	U			5.7	U					7.4	U					5.1	U
SW8260C	T	Cyclohexane	110-82-7	ug/kg	6.4	U	9.8	U	7.7	U			5.7	U					7.4	U					5.1	U
SW8260C	T	Dibromochloromethane	124-48-1	ug/kg	6.4	U	9.8	U	7.7	U			5.7	U					7.4	U					5.1	U
SW8260C	T	Dichlorodifluoromethane	75-71-8	ug/kg	6.4	U	9.8	U	7.7	U			5.7	U					7.4	U					5.1	U
SW8260C	T	Ethylbenzene	100-41-4	ug/kg	6.4	U	9.8	U	7.7	U			5.7	U					7.4	U					5.1	U
SW8260C	T	Isopropylbenzene (Cumene)	98-82-8	ug/kg	6.4	U	9.8	U	7.7	UJ			5.7	U					7.4	U					5.1	U
SW8260C	T	m,p-Xylene	179601-23-1	ug/kg	13	U	20	U	15	U			11	U					15	U					10	U
SW8260C	T	Methyl Acetate	79-20-9	ug/kg	6.4	U	9.8	U	7.7	U			5.7	U					7.4	U					5.1	U
SW8260C	T	Methyl Ethyl Ketone (2-Butanone)	78-93-3	ug/kg	6.4	U	9.8	U	7.7	U			5.7	U					7.4	U					5.1	U
SW8260C	T	Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	108-10-1	ug/kg	6.4	U	9.8	U	7.7	U			5.7	U					7.4	U					5.1	U
SW8260C	T	Methylcyclohexane	108-87-2	ug/kg	6.4	U	9.8	U	7.7	U			5.7	U					7.4	U					5.1	U
SW8260C	T	Methylene Chloride	75-09-2	ug/kg	6.4	U	9.8	U	7.7	U			5.7	U					7.4	U					5.1	U
SW8260C	T	N-Butylbenzene	104-51-8	ug/kg	6.4	U	9.8	U	7.7	U			5.7	U					7.4	U					5.1	U
SW8260C	T	N-Propylbenzene	103-65-1	ug/kg	6.4	U	9.8	U	7.7	UJ			5.7	U					7.4	U					5.1	U
SW8260C	T	O-Xylene (1,2-Dimethylbenzene)	95-47-6	ug/kg	6.4	U	9.8	U	7.7	U			5.7	U					7.4	U					5.1	U
SW8260C	T	Sec-Butylbenzene	135-98-8	ug/kg	6.4	U	9.8	U	7.7	UJ			5.7	U					7.4	U					5.1	U
SW8260C	T	Styrene	100-42-5	ug/kg	6.4	U	9.8	U	7.7	U			5.7	U					7.4	U					5.1	U
SW8260C	T	T-Butylbenzene	98-06-6	ug/kg	6.4	U	9.8	U	7.7	UJ			5.7	U					7.4	U					5.1	U
SW8260C	T	Tert-Butyl Methyl Ether	1634-04-4	ug/kg	6.4	U	9.8	U	7.7	U			5.7	U					7.4	U					5.1	U
SW8260C	T	Tetrachloroethylene (PCE)	127-18-4	ug/kg	3.3	J	5.3	J	7.7	U			5.7	U					7.4	U					5.1	U
SW8260C	T	Toluene	108-88-3	ug/kg	6.4	U	9.8	U	7.7	U			5.7	U					7.4	U					5.1	U
SW8260C	T	Trans-1,2-Dichloroethene	156-60-5	ug/kg	6.4	U	9.8	U	7.7	U			5.7	U					7.4	U					5.1	U
SW8260C	T	Trans-1,3-Dichloropropene	10061-02-6	ug/kg	6.4	U	9.8	U	7.7	U			5.7	U					7.4	U					5.1	U
SW8260C	T	Trichloroethylene (TCE)	79-01-6	ug/kg	6.4	U	9.8	U	7.7	U			5.7	U					7.4	U					5.1	U
SW8260C	T	Trichlorofluoromethane	75-69-4	ug/kg	6.4	U	9.8	U	7.7	U			5.7	U					7.4	UJ					5.1	UJ
SW8260C	T	Vinyl Chloride	75-01-4	ug/kg	6.4	U	9.8	U	7.7	U			5.7	U					7.4	U					5.1	U
SW8270D	T	1,2,4,5-Tetrachlorobenzene	95-94-3	ug/kg	37	U	44	U	400	U	40	U	34	U	35	U	34	U	37	U	38	U	38	U	40	U
SW8270D	T	1,4-Dioxane (P-Dioxane)	123-91-1	ug/kg	74	U	90	U	820	U	82	U	69	U	71	U	69	U	75	U	77	U	77	U	81	U
SW8270D	T	2,3,4,6-Tetrachlorophenol	58-90-2	ug/kg	37	U	44	U	400	U	40	U	34	U	35	U	34	U	37	U	38	U	38	U	40	U
SW8270D	T	2,4,5-Trichlorophenol	95-95-4	ug/kg	37	U	44	U	400	U	40	U	34	U	35	U	34	U	37	U	38	U	38	U	40	U
SW8270D	T	2,4,6-Trichlorophenol	88-06-2	ug/kg	37	U	44	U	400	U	40	U	34	U	35	U	34	U	37	U	38	U	38	U	40	U
SW8270D	T	2,4-Dichlorophenol	120-83-2	ug/kg	37	U	44	U	400	U	40	U	34	U	35	U	34	U	37	U	38	U	38	U	40	U
SW8270D	T	2,4-Dimethylphenol	105-67-9	ug/kg	37	U	44	U	400	U	40	U	34	U	35	U	34	U	37	U	38	U	38	U	40	U
SW8270D	T	2,4-Dinitrophenol	51-28-5	ug/kg	37	U	45	U	400	UJ	40	U	34	U	35	U	34	U	37	UJ	38	UJ	38	UJ	40	UJ
SW8270D	T	2,4-Dinitrotoluene	121-14-2	ug/kg	37	U	44	U	400	U	40	U	34	U	35	U	34	U	37	U	38	U	38	U	40	U
SW8270D	T	2,6-Dinitrotoluene	606-20-2	ug/kg	37	U	44	U	400	U	40	U	34	U	35	U	34	U	37	U	38	U	38	U	40	U
SW8270D	T	2-Chloronaphthalene	91-58-7	ug/kg	37	U	44	U	400	U	40	U	34	U	35	U	34	U	37	U	38	U	38	U	40	U
SW8270D	T	2-Chlorophenol	95-57-8	ug/kg	37	U	44	U	400	U	40	U	34	U	35	U	34	U	37	U	38	U	38	U	40	U
SW8270D	T	2-Methylnaphthalene	91-57-6	ug/kg	2.8	J	9		190		29		6.8	U	7	U	6.8	U	4.1	J	7.6	U	7.6	U	8	U
SW8270D	T	2-Methylphenol (O-Cresol)	95-48-7	ug/kg	37	U	44	U	400	U	40	U	34	U	35	U	34	U	37	U	38	U	38	U	40	U
SW8270D	T	2-Nitroaniline	88-74-4	ug/kg	37	U	44	U	400	U	40	U	34	U	35	U	34	U	37	U	38	U	38	U	40	U
SW8270D	T	2-Nitrophenol	88-75-5	ug/kg	37	U	44	U	400	U	40	U	34	U	35	U	34	U	37	U	38	U	38	U	40	U
SW8270D	T	3,3'-Dichlorobenzidine	91-94-1	ug/kg	37	U	44	U	400	U	40	U	34	UJ	35	U	34	U	37	U	38	U	38	U	40	U
SW8270D	T	3-Nitroaniline	99-09-2	ug/kg	37	U	44	U	400	U	40	U	34	U	35	U	34	U	37	U	38	U	38	U	40	U
SW8270D	T	4,6-Dinitro-2-Methylphenol	534-52-1	ug/kg	37	U	44	U	400	U	40	U	34	U	35	U	34	U	37	U	38	U	38	U	40	U

				Location ID:	STP-SS-07		STP-SS-08		STP-TP-01		STP-TP-01		STP-TP-02		STP-TP-02		STP-TP-02		STP-TP-03		STP-TP-03		STP-TP-04		STP-TP-04	
				Sample ID:	STP-SS-07_0-2		STP-SS-08_0-2		STP-TP-01_0.8-1.2		STP-TP-01_3.3-4.0		STP-TP-02_5.0-6.0		STP-TP-02_5.0-6.0 DUP		STP-TP-02_7.0-7.6		STP-TP-03_0.5-1.0		STP-TP-03_6.5-7.0		STP-TP-04_1.0-1.5		STP-TP-04_6.0-6.5	
				Depth:	0 - 2 in		0 - 2 in		0.8 - 1.2 ft		3.3 - 4 ft		5 - 6 ft		5 - 6 ft		7 - 7.6 ft		0.5 - 1 ft		6.5 - 7 ft		1 - 1.5 ft		6 - 6.5 ft	
				Sample Type:	N		N		N		N		N		FD		N		N		N		N		N	
				Matrix:	SO		SO		SO		SO		SO		SO		SO		SO		SO		SO		SO	
				SDG:	R2010721/R2010722		R2010721/R2010722		R2010127/R2010128		R2010127/R2010128		R2010127/R2010128		R2010127/R2010128		R2010127/R2010128		R2010127/R2010128		R2010127/R2010128		R2010127/R2010128		R2010127/R2010128	
				Lab Sample ID:	R2010721/722-004		R2010721/722-005		R2010127/128-001		R2010127/128-002		R2010127/128-003		R2010127/128-006		R2010127/128-004		R2010127/128-008		R2010127/128-007		R2010127/128-011		R2010127/128-010	
				Sampled:	11/10/2020		11/10/2020		10/27/2020		10/27/2020		10/27/2020		10/27/2020		10/27/2020		10/28/2020		10/28/2020		10/28/2020		10/28/2020	
Method	Fraction	Chemical Name	CAS RN	Unit																						
SW8270D	T	4-Bromophenyl Phenyl Ether	101-55-3	ug/kg	37	U	44	U	400	U	40	U	34	U	35	U	34	U	37	U	38	U	38	U	40	U
SW8270D	T	4-Chloro-3-Methylphenol	59-50-7	ug/kg	37	U	44	U	400	U	40	U	34	U	35	U	34	U	37	U	38	U	38	U	40	U
SW8270D	T	4-Chloroaniline	106-47-8	ug/kg	37	U	44	U	400	U	40	U	34	U	35	U	34	U	37	U	38	U	38	U	40	U
SW8270D	T	4-Chlorophenyl Phenyl Ether	7005-72-3	ug/kg	37	U	44	U	400	U	40	U	34	U	35	U	34	U	37	U	38	U	38	U	40	U
SW8270D	T	4-Nitroaniline	100-01-6	ug/kg	37	U	44	U	400	U	40	U	34	U	35	U	34	U	37	U	38	U	38	U	40	U
SW8270D	T	4-Nitrophenol	100-02-7	ug/kg	37	U	44	U	400	U	40	U	34	U	35	U	34	U	37	U	38	U	38	U	40	U
SW8270D	T	Acenaphthene	83-32-9	ug/kg	7.3	U	8.9	J	52	J	36		6.8	U	7	U	6.8	U	7.4	U	7.6	U	7.6	U	8	U
SW8270D	T	Acenaphthylene	208-96-8	ug/kg	7.4		94		740		22		17	J	6.5	J	6.8	U	5.8	J	7.6	U	7	J	4.8	J
SW8270D	T	Acetophenone	98-86-2	ug/kg	37	U	44	U	400	U	40	U	34	U	35	U	34	U	37	UJ	38	UJ	38	UJ	40	UJ
SW8270D	T	Anthracene	120-12-7	ug/kg	7.3	U	51		430		150		9.7	J	4.6	J	6.8	U	7.4	U	7.6	U	7.6	U	8	U
SW8270D	T	Atrazine	1912-24-9	ug/kg	37	UJ	44	UJ	400	U	40	U	34	U	35	U	34	U	37	U	38	U	38	U	40	U
SW8270D	T	Benzaldehyde	100-52-7	ug/kg	37	U	44	U	400	U	19	J	34	U	35	U	34	U	37	U	38	UJ	38	U	40	U
SW8270D	T	Benzo(A)Anthracene	56-55-3	ug/kg	7.4	U	210		1100		180		61	J	10	J	6.9	U	5.9	J	7.7	U	7.8		8.1	U
SW8270D	T	Benzo(A)Pyrene	50-32-8	ug/kg	4.1	J	370		1500		190		100	J	18	J	6	J	4.8	J	7.6	U	12		8	U
SW8270D	T	Benzo(B)Fluoranthene	205-99-2	ug/kg	8		470		1400		210		110	J	23	J	6.9		4.9	J	7.6	U	15		5.5	J
SW8270D	T	Benzo(G,H,I)Perylene	191-24-2	ug/kg	7.3	U	230		950		120		84	J	26	J	7.3		4.6	J	7.6	U	8.7		8	U
SW8270D	T	Benzo(K)Fluoranthene	207-08-9	ug/kg	4.4	J	180		540		75		41	J	7.1	J	6.8	U	7.4	U	7.6	U	4.5	J	8	U
SW8270D	T	Benzyl Butyl Phthalate	85-68-7	ug/kg	190	U	230	U	2100	U	210	U	170	U	180	U	180	U	190	U	200	U	200	U	210	U
SW8270D	T	Biphenyl (Diphenyl)	92-52-4	ug/kg	37	U	44	U	400	U	40	U	34	U	35	U	34	U	37	U	38	U	38	U	40	U
SW8270D	T	Bis(2-Chloroethoxy) Methane	111-91-1	ug/kg	37	U	44	U	400	U	40	U	34	U	35	U	34	U	37	UJ	38	UJ	38	UJ	40	UJ
SW8270D	T	Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	111-44-4	ug/kg	37	U	44	U	400	U	40	U	34	U	35	U	34	U	37	U	38	U	38	U	40	U
SW8270D	T	Bis(2-Chloroisopropyl) Ether	108-60-1	ug/kg	37	U	44	U	400	U	40	U	34	U	35	U	34	U	37	UJ	38	UJ	38	UJ	40	UJ
SW8270D	T	Bis(2-Ethylhexyl) Phthalate	117-81-7	ug/kg	670	U	800	U	7300	U	730	U	610	U	640	U	620	U	670	U	690	U	690	U	730	U
SW8270D	T	Caprolactam	105-60-2	ug/kg	37	U	44	U	400	U	40	U	34	U	35	U	34	U	37	U	38	U	38	U	40	U
SW8270D	T	Carbazole	86-74-8	ug/kg	37	U	23	J	400	U	56		34	U	35	U	34	U	37	U	38	U	38	U	40	U
SW8270D	T	Chrysene	218-01-9	ug/kg	5.7	J	260		1300		200		66	J	11	J	6.8	U	4.2	J	7.6	U	12		3.8	J
SW8270D	T	Cresols, M & P	MEPH1314	ug/kg	37	U	44	U	400	U	40	U	34	U	35	U	34	U	37	U	38	U	38	U	40	U
SW8270D	T	Dibenz(A,H)Anthracene	53-70-3	ug/kg	7.3	U	53		260		40		20	J	4.7	J	6.8	U	7.4	U	7.6	U	7.6	U	8	U
SW8270D	T	Dibenzofuran	132-64-9	ug/kg	7.3	U	5.5	J	61	J	49		6.8	U	7	U	6.8	U	7.4	U	7.6	U	7.6	U	8	U
SW8270D	T	Diethyl Phthalate	84-66-2	ug/kg	220	U	270	U	2400	U	240	U	200	U	210	U	210	U	220	U	230	U	230	U	240	U
SW8270D	T	Dimethyl Phthalate	131-11-3	ug/kg	190	U	230	U	2100	U	210	U	170	U	180	U	180	U	190	U	200	U	200	U	210	U
SW8270D	T	Di-N-Butyl Phthalate	84-74-2	ug/kg	550	U	670	U	6100	U	610	U	510	U	530	U	520	U	69	J	580	U	580	U	600	U
SW8270D	T	Di-N-Octylphthalate	117-84-0	ug/kg	190	U	230	U	2100	U	210	U	170	U	180	U	180	U	190	U	200	U	200	U	210	U
SW8270D	T	Fluoranthene	206-44-0	ug/kg	8.4		370		1500		380		84	J	17	J	6.8	U	9.3		7.6	U	14		8	U
SW8270D	T	Fluorene	86-73-7	ug/kg	7.3	U	10		110		84		6.8	U	7	U	6.8	U	7.4	U	7.6	UJ	7.6	U	8	U
SW8270D	T	Hexachlorobenzene	118-74-1	ug/kg	7.3	U	8.9	U	81	U	8.2	U	6.8	U	7.1	U	6.9	U	7.5	U	7.7	U	7.7	U	8.1	U
SW8270D	T	Hexachlorobutadiene	87-68-3	ug/kg	37	U	44	U	400	U	40	U	34	U	35	U	34	U	37	U	38	U	38	U	40	U
SW8270D	T	Hexachlorocyclopentadiene	77-47-4	ug/kg	37	UJ	45	UJ	400	U	40	U	34	U	35	U	34	U	37	U	38	U	38	U	40	U
SW8270D	T	Hexachloroethane	67-72-1	ug/kg	37	U	44	U	400	U	40	U	34	U	35	U	34	U	37	U	38	U	38	U	40	U
SW8270D	T	Indeno(1,2,3-C,D)Pyrene	193-39-5	ug/kg	5	J	230		870		120		85	J	23	J	6.2	J	7.4	U	7.6	U	8.6		4.2	J
SW8270D	T	Isophorone	78-59-1	ug/kg	37	U	44	U	400	U	40	U	34	U	35	U	34	U	37	UJ	38	UJ	38	UJ	40	UJ
SW8270D	T	Naphthalene	91-20-3	ug/kg	4.1	J	22		170		28		6.8	U	7	U	6.8	U	7.4	U	7.6	U	3.8	J	8	U
SW8270D	T	Nitrobenzene	98-95-3	ug/kg	7.3	U	8.9	U	80	U	8.1	U	6.8	U	7	U	6.8	U	7.4	U	7.6	U	7.6	U	8	U
SW8270D	T	N-Nitrosodi-N-Propylamine	621-64-7	ug/kg	37	U	44	U	400	U	40	U	34	U	35	U	34	U	37	U	38	U	38	U	40	U
SW8270D	T	N-Nitrosodiphenylamine	86-30-6	ug/kg	37	U	44	U	400	U	40	U	34	U	35	U	34	U	37	U	38	U	38	U	40	U
SW8270D	T	Pentachlorophenol	87-86-5	ug/kg	37	U	45	U	400	U	40	U	34	U	35	U	34	U	37	U	38	U	38	U	40	U
SW8270D	T	Phenanthrene	85-01-8	ug/kg	6.4	J	120		740		470		10		7.3		6.8	U	6	J	7.6	U	9		8	U
SW8270D	T	Phenol	108-95-2	ug/kg	37	U	44	U	400	U	40	U	34	U	35	U	34	U	37	U	38	U	38	U	40	U
SW8270D	T	Pyrene	129-00-0	ug/kg	5.9	J	300		1700		340		94	J	16	J	4	J	5.3	J	7.6	U	12		8	U
SW8081B	T	Aldrin	309-00-2	ug/kg	1.9	U	11	U	10	U			9	U					1.9	U					2	U
SW8081B	T	Alpha Bhc (Alpha Hexachlorocyclohexane)	319-84-6	ug/kg	1.9	U	11	U	10	U			9	U					1.9	U					2	U
SW8081B	T	Alpha Endosulfan	959-98-8	ug/kg	1.9	U	11	U	10	U			9	U					1.9	U					2	U
SW8081B	T	Beta Bhc (Beta Hexachlorocyclohexane)	319-85-7	ug/kg	1.9	U	11	U	10	U			9	U					1.9	U					2	U
SW8081B	T	Beta Endosulfan	33213-65-9	ug/kg	1.9	U	11	U	10	U			9	U					1.9	U					2	U
SW8081B	T	Chlordane (Technical)	12789-03-6	ug/kg	1.9	U	11	U	10	U			9	U					1.9	U					2	U
SW8081B	T	cis-Chlordane	5103-71-9	ug/kg	1.9	U	11	U	10	U			9	U					1.9	U					2	U
SW8081B	T	Delta BHC (Delta Hexachlorocyclohexane)	319-86-8	ug/kg	1.9	U	11	U	10	U			9	U					1.9	U					2	U
SW8081B	T	Dieldrin	60-57-1	ug/kg	1.9	U	11	U	10	U			9	U					1.9	U					2	U
SW8081B	T	Endosulfan Sulfate	1031-07-8	ug/kg	1.9	U	11	U	10	U			9	U					1.9	U					2	U
SW8081B	T	Endrin	72-20-8	ug/kg	1.9	U	11	U	10	U			9	U					1.9	U					2	U
SW8081B	T	Endrin Aldehyde	7421-93-4	ug/kg	1.9	U	11	U	10	U			9	U					1.9	U					2	U
SW8081B	T	Endrin Ketone	53494-70-5	ug/kg	1.9	U	11	U	10	U			9	U					1.9	U					2	U
SW8081B	T	Gamma Bhc (Lindane)	58-89-9	ug/kg	1.9	U	11	U	10	U			9	U					1.9	U					2	U
SW8081B	T	Heptachlor	76-44-8	ug/kg	1.9	U	11	U	10	U			9	U					1.9	U					2	U
SW8081B	T	Heptachlor Epoxide	1024-57-3	ug/kg	1.9	U	11	U	10	U			9	U					1.9	U					2	U
SW8081B	T	Methoxychlor	72-43-5	ug/kg	1.9	U	11	U	10	UJ			9	UJ					1.9	U					2	U
SW8081B	T	P,P'-DDD	72-54-8	ug/kg	1.9	U	11	U	28	J			9	U					1.9	U					2	U
SW8081B	T	P,P'-DDE	72-55-9	ug/kg	1.9	U	11	U	15				9	U					1.9	U					2	U
SW8081B	T	P,P'-DDT	50-29-3	ug/kg	1.9	U	9.4	J	24				9	U					1.9	U					2	U
SW8081B	T	Toxaphene	8001-35-2	ug/kg	37	U	220	U	200	U			180	U					37	U					39	U
SW8082A	T	PCB-1016 (Aroclor 1016)	12674-11-2	ug/kg	37	U	43	U	40	U			35	U					37	U					39	U
SW8082A	T	PCB-1221 (Aroclor 1221)	11104-28-2	ug/kg	74	U	88	U	81	U			71	U					74	U					79	U
SW8082A	T	PCB-1232 (Aroclor 1232)	11141-16-5	ug/kg	37	U	43	U	40	U			35	U					37	U					39	U
SW8082A	T	PCB-1242 (Aroclor 1242)	53469-21-9	ug/kg	37	U	43	U	40	U			35	U					37	U					39	U
SW8082A	T	PCB-1248 (Aroclor 1248)	12672-29-6	ug/kg	37	U	43	U	40	U			35	U					37	U					39	U
SW8082A	T	PCB-1254 (Aroclor 1254)	11097-69-1	ug/kg	37	U	43	U	40	U			35	U					37	U					39	U
SW8082A	T	PCB-1260 (Aroclor 1260)	11096-82-5	ug/kg	37	U	43	U	49				35	U					37	U					39	U
SW8082A	T	PCB-1262 (Aroclor 1262)	37324-23-5	ug/kg	37	U	43	U	40	U			35	U					37	U					39	U
SW8082A	T	PCB-1268 (Aroclor 1268)	11100-14-4	ug/kg	37	U	43	U	40	U			35	U					37	U					39	U
SW8082A	T	Polychlorinated Biphenyl (PCBs)	1336-36-3	ug/kg	37	U	43	U	49				35	U					37	U					39	U
SW8151A	T	Silvex (2,4,5-TP)	93-72-1	ug/kg	11	U	13	U	12	U			11	U					11	U					12	U
SW6010C	T	Aluminum	7429-90-5	mg/kg	4740		8480		7640		13800		15000		14800		14100		17000		13400		14700		16300	
SW6010C	T	Antimony	7440-36-0	mg/kg	6.5	U	7.7	U	7.2	U	6.7	U	6.3	UJ	5.9	U	6	U	6.5	U	6.4	U	6.8	U	6.9	U
SW6010C	T	Arsenic	7440-38-2	mg/kg	4.9		6.8		11.1		8.8		8.8	J	10.7		10.4		11.1		11.8		9.3		9.9	
SW6010C	T	Barium	7440-39-3	mg/kg	43.7		94.9		162		143		139		126		194		151		83.4		201		190	
SW6010C	T	Beryllium	7440-41-7	mg/kg	0.226	J	0.383	J	0.53		0.567		0.558		0.624		0.536		0.803		0.612		0.716		0.734	
SW6010C	T	Boron	7440-42-8	mg/kg	7.9	J	14.5	J	20.6	J	14.5	J	15.3	J	16.1	J	16.6	J	19.3	J	16.7	J	15.8	J	18.6	J
SW6010C	T	Cadmium	7440-43-9	mg/kg	0.538	U	0.332	J	1.3		0.245	J	0.169	J	0.168	J	0.278	J	0.293	J	0.258	J	0.261	J	0.287	J
SW6010C	T	Calcium	7440-70-2	mg/kg	16000		16400		50200		3130		868		875		877		1120		224		1190		1440	
CALC	T	Chromium III	16065-83-1	mg/kg	7		10.8		17.1				17.3						20.8						21.2	
SW7199	T	Chromium, Hexavalent	18540-29-9	mg/kg	0.44	U	0.52	U	0.47	U			0.15	J					0.15	J					0.19	J
SW6010C	T	Chromium, Total	7440-47-3	mg/kg	7		10.8		17.1		15.7		17.4		17.6		17.6		21		16.3		18		21.2	
SW6010C	T	Cobalt	7440-48-4	mg/kg	4.8	J	6.1	J	6.6		8.5		12.6		13.4		13.4		13.4		11		7.3		15.5	
SW6010C	T	Copper	7440-50-8	mg/kg	14.4		29.2		51.2		16.5		37.2		38.6		43.2		27.9		31.8		12.3		24.4	
SW6010C	T	Iron	7439-89-6	mg/kg	13000		17400		35500		25400		32300		34400		32900		36800		32800		30900		35200	
SW6010C	T	Lead	7439-92-1	mg/kg	7		24		233		37.9		19.2		20.8		15.9		21.2		15.2		17.6		15.2	
SW6010C	T	Magnesium	7439-95-4	mg/kg	7010		7900		3340		2600		4310		4250		4430		4710		3920		2970		5140	

				Location ID:	STP-SS-07		STP-SS-08		STP-TP-01		STP-TP-01		STP-TP-02		STP-TP-02		STP-TP-02		STP-TP-03		STP-TP-03		STP-TP-04		STP-TP-04	
				Sample ID:	STP-SS-07_0-2		STP-SS-08_0-2		STP-TP-01_0.8-1.2		STP-TP-01_3.3-4.0		STP-TP-02_5.0-6.0		STP-TP-02_5.0-6.0 DUP		STP-TP-02_7.0-7.6		STP-TP-03_0.5-1.0		STP-TP-03_6.5-7.0		STP-TP-04_1.0-1.5		STP-TP-04_6.0-6.5	
				Depth:	0 - 2 in		0 - 2 in		0.8 - 1.2 ft		3.3 - 4 ft		5 - 6 ft		5 - 6 ft		7 - 7.6 ft		0.5 - 1 ft		6.5 - 7 ft		1 - 1.5 ft		6 - 6.5 ft	
				Sample Type:	N		N		N		N		N		FD		N		N		N		N		N	
				Matrix:	SO		SO		SO		SO		SO		SO		SO		SO		SO		SO		SO	
				SDG:	R2010721/R2010722		R2010721/R2010722		R2010127/R2010128		R2010127/R2010128		R2010127/R2010128		R2010127/R2010128		R2010127/R2010128		R2010127/R2010128		R2010127/R2010128		R2010127/R2010128		R2010127/R2010128	
				Lab Sample ID:	R2010721/722-004		R2010721/722-005		R2010127/128-001		R2010127/128-002		R2010127/128-003		R2010127/128-006		R2010127/128-004		R2010127/128-008		R2010127/128-007		R2010127/128-011		R2010127/128-010	
				Sampled:	11/10/2020		11/10/2020		10/27/2020		10/27/2020		10/27/2020		10/27/2020		10/27/2020		10/28/2020		10/28/2020		10/28/2020		10/28/2020	
Method	Fraction	Chemical Name	CAS RN	Unit																						
SW6010C	T	Manganese	7439-96-5	mg/kg	326		520		351		386		571	J	585		575		388		349		369		768	
SW7471	T	Mercury	7439-97-6	mg/kg	0.035	U	0.038	J	0.277		0.042		0.02	J	0.021	J	0.019	J	0.026	J	0.035	U	0.026	J	0.038	U
SW6010C	T	Nickel	7440-02-0	mg/kg	10.3		14.8		19.8		15.5		27.8		27.2		30.7		31.5		27.3		17.7		36.2	
SW6010C	T	Potassium	7440-09-7	mg/kg	740		1190		1080		1220		1210	J	1100		1170		1280		1090		984		1650	
SW6010C	T	Selenium	7782-49-2	mg/kg	1.1	U	1.3	U	1.1	J	1.1	U	0.738	J	0.634	J	0.854	J	1.1		10.7	U	1	J	0.757	J
SW6010C	T	Silver	7440-22-4	mg/kg	1.1	U	1.3	U	0.205	J	1.1	U	1.1	U	0.99	U	0.993	U	1.1	U	1.1	U	1.1	U	1.2	U
SW6010C	T	Sodium	7440-23-5	mg/kg	108	U	128	U	234		178		105	U	99	U	99.3	U	108	U	107	U	114	U	115	U
SW6010C	T	Thallium	7440-28-0	mg/kg	1.1	U	1.3	U	1.2	U	1.1	U	1.1	U	9.9	U	0.993	U	1.1	U	1.1	U	1.1	U	1.2	U
SW6010C	T	Vanadium	7440-62-2	mg/kg	9.7		13.9		19.9		24.8		21.3		21.5		19.6		25.6		18.8		25.8		24.4	
SW6010C	T	Zinc	7440-66-6	mg/kg	46.7		81.8		221		78.2		98.3		101		105		88.4		77.6		61.7		81.3	
SW6010C	TCLP	Arsenic	7440-38-2	ug/l	5.6	J	8.1	J	500	U	500	U	6.7	J	500	U	500	U	500	U	500	U	500	U	500	U
SW6010C	TCLP	Barium	7440-39-3	ug/l	604	J	584	J	710	J	1070		651	J	639	J	889	J	552	J	499	J	573	J	427	J
SW6010C	TCLP	Cadmium	7440-43-9	ug/l	1.3	J	0.9	J	2.6	J	1.2	J	100	U	100	U	100	U	100	U	100	U	100	U	100	U
SW6010C	TCLP	Chromium, Total	7440-47-3	ug/l	100	U	1.3	J	1.2	J	100	U	0.8	J	0.9	J	1.1	J	0.7	J	0.9	J	0.7	J	0.7	J
SW6010C	TCLP	Lead	7439-92-1	ug/l	6.3	J	100	U	14.5	J	16.9	J	2.9	J	3.5	J	100	U	100	U	2.5	J	100	U	100	U
SW7470	TCLP	Mercury	7439-97-6	ug/l	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
SW6010C	TCLP	Selenium	7782-49-2	ug/l	500	U	500	U	10.6	J	7	J	9.8	J	500	U	12.3	J	7.1	J	10	J	7.1	J	500	U
SW6010C	TCLP	Silver	7440-22-4	ug/l	100	U	100	U	100	U	100	U	100	U	100	U	100	U	100	U	100	U	100	U	100	U
SW9012B	T	Cyanide	57-12-5	mg/kg	0.27	U	0.43		0.3	J			0.22	U					0.33	U					0.27	U
A2540G	NA	Moisture, Percent	MOIST	%	8.9		23.7		16.7				4.9						8.2						14.7	
A2540G	NA	Total Solids	TSO	%	91.1		76.3		83.3				95.1						91.8						85.3	
E160.3	T	Total Solids	TSO	percent	91.3		77.7																			
SOLIDS	T	Total Solids	TSO	percent	91.1		76.7		83		81.7		94.9		95.3		95		90.4		87.9		88		83.8	
E1664	NA	Sgt Hem (Oil And Grease - Nonpolar	OILGREASENONP	mg/kg	215	U	259	U	1240				208	U					213	U					230	U

ATTACHMENT A-2 VALIDATED LABORATORY DATA FOR GROUNDWATER SAMPLES

				Location ID		STP-MW-01		STP-MW-01		STP-MW-02	STP-MW-02
				Sample ID		STP-MW-01_112520		TP-MW-01_112520 DU		STP-MW-02_113020	
				Matrix		WG		WG		WG	
				Lab Sample ID		R2011318-001		R2011318-002		R2011387-001	
				Sample Date		11/25/2020		11/25/2020		11/30/2020	
				Sample Type Code		N		FD		N	
Method	Chemical Name	Cas RN	Unit								
BNASIM	1,4-Dioxane (P-Dioxane)	123-91-1	ug/l	0.04	U	0.04	U	0.041			
E537	2-(N-methyl perfluorooctanesulfonamido) acetic acid	2355-31-9	ng/l	4.6	U	4.6	U	4.5	U		
E537	N-Ethyl-N-((heptadecafluorooctyl)sulphonyl) glycine	2991-50-6	ng/l	4.6	U	4.6	U	4.5	U		
E537	Perfluorobutanesulfonic acid (PFBS)	375-73-5	ng/l	4.6	U	4.6	U	2.4	J		
E537	Perfluorobutanoic Acid	375-22-4	ng/l	4.6	U	4.6	U	7.1			
E537	Perfluorodecane Sulfonic Acid	335-77-3	ng/l	4.6	U	4.6	U	4.5	U		
E537	Perfluorodecanoic acid (PFDA)	335-76-2	ng/l	4.6	U	4.6	U	4.5	U		
E537	Perfluorododecanoic acid (PFDoA)	307-55-1	ng/l	4.6	U	4.6	U	4.5	U		
E537	Perfluoroheptane Sulfonate (PFHPS)	375-92-8	ng/l	4.6	U	4.6	U	4.5	U		
E537	Perfluoroheptanoic acid (PFHpA)	375-85-9	ng/l	4.6	U	0.66	J	3	J		
E537	Perfluorohexanesulfonic acid (PFHxS)	355-46-4	ng/l	4.6	U	4.6	U	4.2	J		
E537	Perfluorohexanoic acid (PFHxA)	307-24-4	ng/l	9.3	U	9.3	U	11			
E537	Perfluorononanoic acid (PFNA)	375-95-1	ng/l	4.6	U	4.6	U	4.5	U		
E537	Perfluorooctane Sulfonamide (FOSA)	754-91-6	ng/l	4.6	U	4.6	U	4.5	U		
E537	Perfluorooctanesulfonic acid (PFOS)	1763-23-1	ng/l	1.9	U	1.9	U	5.6			
E537	Perfluorooctanoic acid (PFOA)	335-67-1	ng/l	1.9	U	1.9	U	6.3			
E537	Perfluoropentanoic Acid (PFPeA)	2706-90-3	ng/l	4.6	U	4.6	U	7.5			
E537	Perfluorotetradecanoic acid (PFTA)	376-06-7	ng/l	4.6	U	4.6	U	4.5	U		
E537	Perfluorotridecanoic Acid (PFTriA)	72629-94-8	ng/l	4.6	U	4.6	U	4.5	U		
E537	Perfluoroundecanoic Acid (PFUnA)	2058-94-8	ng/l	4.6	U	4.6	U	4.5	U		
E537	Sodium 1H,1H,2H,2H-Perfluorodecane Sulfonate (8:2)	39108-34-4	ng/l	4.6	U	4.6	U	0.17	J		
E537	Sodium 1H,1H,2H,2H-Perfluorooctane Sulfonate (6:2)	27619-97-2	ng/l	4.6	U	4.6	U	0.56	J		
SW8260	1,1,1-Trichloroethane (TCA)	71-55-6	ug/l	1	U	1	U	1	U		
SW8260	1,1,2,2-Tetrachloroethane	79-34-5	ug/l	1	U	1	U	1	U		
SW8260	1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	ug/l	1	U	1	U	1	U		
SW8260	1,1,2-Trichloroethane	79-00-5	ug/l	1	U	1	U	1	U		
SW8260	1,1-Dichloroethane	75-34-3	ug/l	1	U	1	U	1	U		
SW8260	1,1-Dichloroethene	75-35-4	ug/l	1	U	1	U	1	U		
SW8260	1,2,3-Trichlorobenzene	87-61-6	ug/l	1	U	1	U	1	U		
SW8260	1,2,4-Trichlorobenzene	120-82-1	ug/l	1	U	1	U	1	U		
SW8260	1,2,4-Trimethylbenzene	95-63-6	ug/l	1	U	1	U	1	U		
SW8260	1,2-Dibromo-3-Chloropropane	96-12-8	ug/l	2	U	2	U	2	U		
SW8260	1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	ug/l	1	U	1	U	1	U		
SW8260	1,2-Dichlorobenzene	95-50-1	ug/l	1	U	1	U	1	U		
SW8260	1,2-Dichloroethane	107-06-2	ug/l	1	U	1	U	1	U		
SW8260	1,2-Dichloropropane	78-87-5	ug/l	1	U	1	U	1	U		
SW8260	1,3,5-Trimethylbenzene (Mesitylene)	108-67-8	ug/l	1	U	1	U	1	U		
SW8260	1,3-Dichlorobenzene	541-73-1	ug/l	1	U	1	U	1	U		
SW8260	1,4-Dichlorobenzene	106-46-7	ug/l	1	U	1	U	1	U		
SW8260	2-Hexanone	591-78-6	ug/l	5	U	5	U	5	U		
SW8260	Acetone	67-64-1	ug/l	5	U	5	U	5	U		
SW8260	Benzene	71-43-2	ug/l	1	U	1	U	1	U		
SW8260	Bromochloromethane	74-97-5	ug/l	1	U	1	U	1	U		
SW8260	Bromodichloromethane	75-27-4	ug/l	1	U	1	U	1	U		
SW8260	Bromoform	75-25-2	ug/l	1	U	1	U	1	U		
SW8260	Bromomethane	74-83-9	ug/l	1	U	1	U	1	U		
SW8260	Carbon Disulfide	75-15-0	ug/l	1	U	1	U	1	U		
SW8260	Carbon Tetrachloride	56-23-5	ug/l	1	U	1	U	1	U		
SW8260	Chlorobenzene	108-90-7	ug/l	1	U	1	U	1	U		
SW8260	Chloroethane	75-00-3	ug/l	1	U	1	U	1	U		
SW8260	Chloroform	67-66-3	ug/l	1	U	1	U	1.5			
SW8260	Chloromethane	74-87-3	ug/l	1	U	1	U	1	U		
SW8260	Cis-1,2-Dichloroethylene	156-59-2	ug/l	1	U	1	U	1	U		
SW8260	Cis-1,3-Dichloropropene	10061-01-5	ug/l	1	U	1	U	1	U		
SW8260	Cyclohexane	110-82-7	ug/l	1	U	1	U	1	U		
SW8260	Dibromochloromethane	124-48-1	ug/l	1	U	1	U	1	U		
SW8260	Dichlorodifluoromethane	75-71-8	ug/l	1	U	1	U	1	U		
SW8260	Ethylbenzene	100-41-4	ug/l	1	U	1	U	1	U		
SW8260	Isopropylbenzene (Cumene)	98-82-8	ug/l	1	U	1	U	1	U		
SW8260	m,p-Xylene	179601-23-1	ug/l	2	U	2	U	2	U		
SW8260	Methyl Acetate	79-20-9	ug/l	2	U	2	U	2	U		
SW8260	Methyl Ethyl Ketone (2-Butanone)	78-93-3	ug/l	5	U	5	U	5	U		
SW8260	Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	108-10-1	ug/l	5	U	5	U	5	U		
SW8260	Methylcyclohexane	108-87-2	ug/l	1	U	1	U	1	U		
SW8260	Methylene Chloride	75-09-2	ug/l	1	U	1	U	1	U		
SW8260	N-Butylbenzene	104-51-8	ug/l	1	U	1	U	1	U		
SW8260	N-Propylbenzene	103-65-1	ug/l	1	U	1	U	1	U		
SW8260	O-Xylene (1,2-Dimethylbenzene)	95-47-6	ug/l	1	U	1	U	1	U		
SW8260	Sec-Butylbenzene	135-98-8	ug/l	1	U	1	U	1	U		
SW8260	Styrene	100-42-5	ug/l	1	U	1	U	1	U		
SW8260	T-Butylbenzene	98-06-6	ug/l	1	U	1	U	1	U		
SW8260	Tert-Butyl Methyl Ether	1634-04-4	ug/l	1	U	1	U	1	U		
SW8260	Tetrachloroethylene (PCE)	127-18-4	ug/l	1	U	1	U	1	U		
SW8260	Toluene	108-88-3	ug/l	1	U	1	U	1	U		
SW8260	Trans-1,2-Dichloroethene	156-60-5	ug/l	1	U	1	U	1	U		
SW8260	Trans-1,3-Dichloropropene	10061-02-6	ug/l	1	U	1	U	1	U		

PARSONS

		Location ID		STP-MW-01		STP-MW-01		STP-MW-02 STP-MW-02	
		Sample ID		STP-MW-01_112520		TP-MW-01_112520 DU		STP-MW-02_113020	
		Matrix		WG		WG		WG	
		Lab Sample ID		R2011318-001		R2011318-002		R2011387-001	
		Sample Date		11/25/2020		11/25/2020		11/30/2020	
		Sample Type Code		N		FD		N	
Method	Chemical Name	Cas RN	Unit						
SW8260	Trichloroethylene (TCE)	79-01-6	ug/l	1	U	1	U	1	U
SW8260	Trichlorofluoromethane	75-69-4	ug/l	1	U	1	U	1	U
SW8260	Vinyl Chloride	75-01-4	ug/l	1	U	1	U	1	U
SW8270	1,2,4,5-Tetrachlorobenzene	95-94-3	ug/l	0.99	U	0.99	U	1	U
SW8270	2,3,4,6-Tetrachlorophenol	58-90-2	ug/l	0.99	U	0.99	U	1	U
SW8270	2,4,5-Trichlorophenol	95-95-4	ug/l	0.99	U	0.99	U	1	U
SW8270	2,4,6-Trichlorophenol	88-06-2	ug/l	0.99	U	0.99	U	1	U
SW8270	2,4-Dichlorophenol	120-83-2	ug/l	0.99	U	0.99	U	1	U
SW8270	2,4-Dimethylphenol	105-67-9	ug/l	0.99	U	0.99	U	1	U
SW8270	2,4-Dinitrophenol	51-28-5	ug/l	0.99	U	0.99	U	1	U
SW8270	2,4-Dinitrotoluene	121-14-2	ug/l	0.99	U	0.99	U	1	U
SW8270	2,6-Dinitrotoluene	606-20-2	ug/l	0.99	U	0.99	U	1	U
SW8270	2-Chloronaphthalene	91-58-7	ug/l	0.99	U	0.99	U	1	U
SW8270	2-Chlorophenol	95-57-8	ug/l	0.99	U	0.99	U	1	U
SW8270	2-Methylnaphthalene	91-57-6	ug/l	0.2	U	0.2	U	0.2	U
SW8270	2-Methylphenol (O-Cresol)	95-48-7	ug/l	0.99	U	0.99	U	1	U
SW8270	2-Nitroaniline	88-74-4	ug/l	0.99	U	0.99	U	1	U
SW8270	2-Nitrophenol	88-75-5	ug/l	0.99	U	0.99	U	1	U
SW8270	3,3'-Dichlorobenzidine	91-94-1	ug/l	0.99	U	0.99	U	1	U
SW8270	3-Nitroaniline	99-09-2	ug/l	0.99	U	0.99	U	1	U
SW8270	4,6-Dinitro-2-Methylphenol	534-52-1	ug/l	0.99	U	0.99	U	1	U
SW8270	4-Bromophenyl Phenyl Ether	101-55-3	ug/l	0.99	U	0.99	U	1	U
SW8270	4-Chloro-3-Methylphenol	59-50-7	ug/l	0.99	U	0.99	U	1	U
SW8270	4-Chloroaniline	106-47-8	ug/l	0.99	U	0.99	U	1	U
SW8270	4-Chlorophenyl Phenyl Ether	7005-72-3	ug/l	0.99	U	0.99	U	1	U
SW8270	4-Nitroaniline	100-01-6	ug/l	0.99	U	0.99	U	1	U
SW8270	4-Nitrophenol	100-02-7	ug/l	0.99	U	0.99	U	1	U
SW8270	Acenaphthene	83-32-9	ug/l	0.2	U	0.2	U	0.2	U
SW8270	Acenaphthylene	208-96-8	ug/l	0.2	U	0.2	U	0.2	U
SW8270	Acetophenone	98-86-2	ug/l	0.99	U	0.99	U	1	U
SW8270	Anthracene	120-12-7	ug/l	0.2	U	0.2	U	0.2	U
SW8270	Atrazine	1912-24-9	ug/l	0.99	U	0.99	U	1	UJ
SW8270	Benzaldehyde	100-52-7	ug/l	0.99	U	0.99	U	1	U
SW8270	Benzo(A)Anthracene	56-55-3	ug/l	0.2	U	0.2	U	0.2	U
SW8270	Benzo(A)Pyrene	50-32-8	ug/l	0.2	U	0.2	U	0.2	U
SW8270	Benzo(B)Fluoranthene	205-99-2	ug/l	0.2	U	0.2	U	0.2	U
SW8270	Benzo(G,H,I)Perylene	191-24-2	ug/l	0.2	U	0.2	U	0.2	U
SW8270	Benzo(K)Fluoranthene	207-08-9	ug/l	0.2	U	0.2	U	0.2	U
SW8270	Benzyl Butyl Phthalate	85-68-7	ug/l	5	U	5	U	5.1	U
SW8270	Biphenyl (Diphenyl)	92-52-4	ug/l	0.99	U	0.99	U	1	U
SW8270	Bis(2-Chloroethoxy) Methane	111-91-1	ug/l	0.99	U	0.99	U	1	U
SW8270	Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	111-44-4	ug/l	0.99	U	0.99	U	1	U
SW8270	Bis(2-Chloroisopropyl) Ether	108-60-1	ug/l	0.99	U	0.99	U	1	U
SW8270	Bis(2-Ethylhexyl) Phthalate	117-81-7	ug/l	5	UJ	5	U	5.1	U
SW8270	Caprolactam	105-60-2	ug/l	0.99	U	0.99	U	1	U
SW8270	Carbazole	86-74-8	ug/l	0.99	U	0.99	U	1	U
SW8270	Chrysene	218-01-9	ug/l	0.2	U	0.2	U	0.2	U
SW8270	Cresols, M & P	MEPH1314	ug/l	0.99	U	0.99	U	1	U
SW8270	Dibenz(A,H)Anthracene	53-70-3	ug/l	0.2	U	0.2	U	0.2	U
SW8270	Dibenzofuran	132-64-9	ug/l	0.2	U	0.2	U	0.2	U
SW8270	Diethyl Phthalate	84-66-2	ug/l	5	U	5	U	5.1	U
SW8270	Dimethyl Phthalate	131-11-3	ug/l	5	U	5	U	5.1	U
SW8270	Di-N-Butyl Phthalate	84-74-2	ug/l	5	U	5	U	5.1	U
SW8270	Di-N-Octylphthalate	117-84-0	ug/l	5	UJ	5	UJ	5.1	UJ
SW8270	Fluoranthene	206-44-0	ug/l	0.2	U	0.2	U	0.2	U
SW8270	Fluorene	86-73-7	ug/l	0.2	U	0.2	U	0.2	U
SW8270	Hexachlorobenzene	118-74-1	ug/l	0.2	U	0.2	U	0.2	U
SW8270	Hexachlorobutadiene	87-68-3	ug/l	0.99	U	0.99	U	1	U
SW8270	Hexachlorocyclopentadiene	77-47-4	ug/l	0.99	UJ	0.99	UJ	1	UJ
SW8270	Hexachloroethane	67-72-1	ug/l	0.99	U	0.99	U	1	U
SW8270	Indeno(1,2,3-C,D)Pyrene	193-39-5	ug/l	0.2	UJ	0.2	UJ	0.2	U
SW8270	Isophorone	78-59-1	ug/l	0.99	U	0.99	U	1	U
SW8270	Naphthalene	91-20-3	ug/l	0.2	U	0.2	U	0.2	U
SW8270	Nitrobenzene	98-95-3	ug/l	0.2	U	0.2	U	0.2	U
SW8270	N-Nitrosodi-N-Propylamine	621-64-7	ug/l	0.99	U	0.99	U	1	U
SW8270	N-Nitrosodiphenylamine	86-30-6	ug/l	0.99	U	0.99	U	1	U
SW8270	Pentachlorophenol	87-86-5	ug/l	0.99	UJ	0.99	UJ	1	U
SW8270	Phenanthrene	85-01-8	ug/l	0.2	U	0.2	U	0.2	U
SW8270	Phenol	108-95-2	ug/l	0.99	U	0.99	U	1	U
SW8270	Pyrene	129-00-0	ug/l	0.2	U	0.2	U	0.2	U
8081B	Aldrin	309-00-2	ug/l	0.05	U	0.052	U	0.05	U
8081B	Alpha Bhc (Alpha Hexachlorocyclohexane)	319-84-6	ug/l	0.05	U	0.052	U	0.05	U
8081B	Alpha Endosulfan	959-98-8	ug/l	0.05	U	0.052	U	0.05	U
8081B	Beta Bhc (Beta Hexachlorocyclohexane)	319-85-7	ug/l	0.05	U	0.052	U	0.05	U
8081B	Beta Endosulfan	33213-65-9	ug/l	0.05	U	0.052	U	0.05	U
8081B	Chlordane (Technical)	12789-03-6	ug/l	0.05	U	0.052	U	0.05	U

PARSONS

			Location ID	STP-MW-01		STP-MW-01		STP-MW-02	STP-MW-02	
			Sample ID	STP-MW-01_112520		TP-MW-01_112520 DU		STP-MW-02_113020		
			Matrix	WG		WG		WG		
			Lab Sample ID	R2011318-001		R2011318-002		R2011387-001		
			Sample Date	11/25/2020		11/25/2020		11/30/2020		
			Sample Type Code	N		FD		N		
Method	Chemical Name	Cas RN	Unit							
8081B	cis-Chlordane	5103-71-9	ug/l	0.05	U	0.052	U	0.05	U	
8081B	Delta BHC (Delta Hexachlorocyclohexane)	319-86-8	ug/l	0.05	U	0.052	U	0.05	U	
8081B	Dieldrin	60-57-1	ug/l	0.05	U	0.052	U	0.05	U	
8081B	Endosulfan Sulfate	1031-07-8	ug/l	0.05	U	0.052	U	0.05	U	
8081B	Endrin	72-20-8	ug/l	0.05	U	0.052	U	0.05	U	
8081B	Endrin Aldehyde	7421-93-4	ug/l	0.05	U	0.052	U	0.05	U	
8081B	Endrin Ketone	53494-70-5	ug/l	0.05	U	0.052	U	0.05	U	
8081B	Gamma Bhc (Lindane)	58-89-9	ug/l	0.05	U	0.052	U	0.05	U	
8081B	Heptachlor	76-44-8	ug/l	0.05	U	0.052	U	0.05	U	
8081B	Heptachlor Epoxide	1024-57-3	ug/l	0.05	U	0.052	U	0.05	U	
8081B	Methoxychlor	72-43-5	ug/l	0.05	U	0.052	U	0.05	U	
8081B	P,P'-DDD	72-54-8	ug/l	0.05	U	0.052	U	0.05	U	
8081B	P,P'-DDE	72-55-9	ug/l	0.05	U	0.052	U	0.05	U	
8081B	P,P'-DDT	50-29-3	ug/l	0.05	U	0.052	U	0.05	U	
8081B	Toxaphene	8001-35-2	ug/l	0.5	U	0.53	U	0.5	U	
8082A	PCB-1016 (Aroclor 1016)	12674-11-2	ug/l	0.051	U	0.051	U	0.05	U	
8082A	PCB-1221 (Aroclor 1221)	11104-28-2	ug/l	0.051	U	0.051	U	0.05	U	
8082A	PCB-1232 (Aroclor 1232)	11141-16-5	ug/l	0.051	U	0.051	U	0.05	U	
8082A	PCB-1242 (Aroclor 1242)	53469-21-9	ug/l	0.051	U	0.051	U	0.05	U	
8082A	PCB-1248 (Aroclor 1248)	12672-29-6	ug/l	0.051	U	0.051	U	0.05	U	
8082A	PCB-1254 (Aroclor 1254)	11097-69-1	ug/l	0.051	U	0.051	U	0.05	U	
8082A	PCB-1260 (Aroclor 1260)	11096-82-5	ug/l	0.051	U	0.051	U	0.05	U	
8082A	PCB-1262 (Aroclor 1262)	37324-23-5	ug/l	0.051	U	0.051	U	0.05	U	
8082A	PCB-1268 (Aroclor 1268)	11100-14-4	ug/l	0.051	U	0.051	U	0.05	U	
8082A	Polychlorinated Biphenyl (PCBs)	1336-36-3	ug/l	0.051	U	0.051	U	0.05	U	
SW8151A	2,4-D (Dichlorophenoxyacetic Acid)	94-75-7	ug/l	0.5	U	0.5	U	0.5	U	
SW8151A	Acetic acid, (2,4,5-trichlorophenoxy)-	93-76-5	ug/l	0.5	U	0.5	U	0.5	U	
SW8151A	Dicamba	1918-00-9	ug/l	0.5	U	0.5	U	0.5	U	
SW8151A	Dinoseb	88-85-7	ug/l	0.5	U	0.5	U	0.5	U	
SW8151A	Silvex (2,4,5-TP)	93-72-1	ug/l	0.5	U	0.5	U	0.5	U	
SW6010	Aluminum	7429-90-5	ug/l	100	U	100	U	281		
SW6010	Antimony	7440-36-0	ug/l	4.9	J	10	U	10	U	
SW6010	Arsenic	7440-38-2	ug/l	10	U	10	U	10	U	
SW6010	Barium	7440-39-3	ug/l	95.7		96.8		136		
SW6010	Beryllium	7440-41-7	ug/l	3	U	3	U	3	U	
SW6010	Boron	7440-42-8	ug/l	72.4	J	72.6	J	106	J	
SW6010	Cadmium	7440-43-9	ug/l	5	U	5	U	5	U	
SW6010	Calcium	7440-70-2	ug/l	13800		14100		80800		
SW6010	Chromium, Total	7440-47-3	ug/l	10	U	10	U	10	U	
SW6010	Cobalt	7440-48-4	ug/l	2.1	J	2.1	J	50	U	
SW6010	Copper	7440-50-8	ug/l	20	U	20	U	20	U	
SW6010	Iron	7439-89-6	ug/l	100	U	100	U	339		
SW6010	Lead	7439-92-1	ug/l	5	U	5	U	5	U	
SW6010	Magnesium	7439-95-4	ug/l	4470		4560		21200		
SW6010	Manganese	7439-96-5	ug/l	209		216		273		
SW7470	Mercury	7439-97-6	ug/l	0.2	U	0.2	U	1.9		
SW6010	Nickel	7440-02-0	ug/l	40	U	40	U	40	U	
SW6010	Potassium	7440-09-7	ug/l	1480	J	1520	J	4880		
SW6010	Selenium	7782-49-2	ug/l	10	U	10	U	10	U	
SW6010	Silver	7440-22-4	ug/l	10	U	10	U	10	U	
SW6010	Sodium	7440-23-5	ug/l	6410		6500		32700		
SW6010	Thallium	7440-28-0	ug/l	10	U	10	U	10	U	
SW6010	Vanadium	7440-62-2	ug/l	50	U	50	U	50	U	
SW6010	Zinc	7440-66-6	ug/l	20	U	20	U	20	U	
E1664	Oil & Grease, Total Rec	OILGREASE	mg/l	5.1	U	5.2	U	5.1	U	

ATTACHMENT A-3 VALIDATED LABORATORY DATA FOR FIELD QC BLANK SAMPLES

			Sample ID:	STP-EB-01_102720		STP-EB-01_102920		STP-EB-01_111020		STP-EB-01_112520		STP-EB-01_113020		STP-EB-02_102720		STP-EB-03_102820		STP-EB-04_102820		STP-EB-06_103020		STP-FB-01_112520		STP-FB-01_113020		STP-TB-01_112520		STP-TB-01_113020	
			Sample Type:	EB		EB		EB		EB		EB		EB		EB		EB		EB		FB		FB		TB		TB	
			Matrix:	WQ		WQ		WQ		WQ		WQ		WQ		WQ		WQ		WQ		WQ		WQ		WQ		WQ	
			SDG:	R2010129		R2010263		R2010721		R2011318		R2011387		R2010127		R2010127		R2010183		R2010282		R2011318		R2011387		R2011318		R2011387	
			Lab Sample ID:	R2010129-020		R2010263-013		R2010721-010		R2011318-004		R2011387-003		R2010127-005		R2010127-009		R2010183-014		R2010282-007		R2011318-005		R2011387-002		R2011318-003		R2011387-004	
			Sampled:	10/27/2020		10/29/2020		11/10/2020		11/25/2020		11/30/2020		10/27/2020		10/28/2020		10/28/2020		10/30/2020		11/25/2020		11/30/2020		11/25/2020		11/30/2020	
Method	Fraction	CAS_RN	Chemical Name	Unit																									
BNASIM	T	123-91-1	1,4-Dioxane (P-Dioxane)	ug/l	0.04	U			0.04	U				0.04	U			0.075												
E537	T	2355-31-9	2-(N-methyl perfluorooctanesulfonamido) acetic acid	ng/l	4.6	U	4.7	U	4.5	U	4.5	U	4.2	U	58	U	4.6	U	4.5	U	4.5	U	4.5	U	4	U					
E537	T	2991-50-6	N-Ethyl-N-((heptadecafluorooctyl)sulphonyl) glycine	ng/l	4.6	U	4.7	U	4.5	U	4.5	U	4.2	U	58	U	4.6	U	4.5	U	4.5	UJ	4.5	U	4	U					
E537	T	375-73-5	Perfluorobutanesulfonic acid (PFBS)	ng/l	4.6	U	4.7	U	4.5	U	4.5	U	4.2	U	58	U	4.6	U	4.5	U	4.5	U	4.5	U	4	U					
E537	T	375-22-4	Perfluorobutanoic Acid	ng/l	4.6	U	4.7	U	4.5	U	4.5	U	4.2	U	58	U	4.6	U	4.5	U	4.5	U	4.5	U	4	U					
E537	T	335-77-3	Perfluorodecane Sulfonic Acid	ng/l	4.6	U	4.7	U	4.5	U	4.5	U	4.2	U	58	U	0.35	J	4.5	U	4.5	U	4.5	U	4	U					
E537	T	335-76-2	Perfluorodecanoic acid (PFDA)	ng/l	4.6	U	4.7	U	4.5	U	4.5	U	4.2	U	58	U	4.6	U	4.5	U	4.5	U	4.5	U	4	U					
E537	T	307-55-1	Perfluorododecanoic acid (PFDoA)	ng/l	4.6	U	4.7	U	4.5	U	4.5	U	4.2	U	58	U	4.6	U	4.5	U	4.5	U	4.5	U	4	U					
E537	T	375-92-8	Perfluoroheptane Sulfonate (PFHPS)	ng/l	4.6	U	4.7	U	4.5	U	4.5	U	4.2	U	58	U	4.6	U	4.5	U	4.5	U	4.5	U	4	U					
E537	T	375-85-9	Perfluoroheptanoic acid (PFHpA)	ng/l	4.6	U	4.7	U	4.5	U	4.5	U	4.2	U	58	U	4.6	U	4.5	U	4.5	U	4.5	U	4	U					
E537	T	355-46-4	Perfluorohexanesulfonic acid (PFHxS)	ng/l	4.6	U	4.7	U	4.5	U	4.5	U	4.2	U	58	U	4.6	U	4.5	U	4.5	U	4.5	U	4	U					
E537	T	307-24-4	Perfluorohexanoic acid (PFHxA)	ng/l	9.3	U	9.4	U	9.2	U	9.2	U	9.2	U	120	U	9.3	U	9.2	U	9.2	U	9.2	U	9.2	U					
E537	T	375-95-1	Perfluorononanoic acid (PFNA)	ng/l	4.6	U	4.7	U	4.5	U	4.5	U	4.2	U	58	U	4.6	U	4.5	U	4.5	U	4.5	U	4	U					
E537	T	754-91-6	Perfluorooctane Sulfonamide (FOSA)	ng/l	4.6	U	4.7	U	4.5	U	4.5	U	4.2	U	58	U	4.6	U	4.5	U	4.5	U	4.5	U	4	U					
E537	T	1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ng/l	1.9	U	1.9	U	1.8	U	1.8	U	1.7	U	23	U	1.9	U	1.8	U	1.8	U	1.8	U	1.6	U					
E537	T	335-67-1	Perfluorooctanoic acid (PFOA)	ng/l	1.9	U	1.9	U	1.8	U	1.8	U	1.7	U	23	U	1.9	U	1.8	U	1.8	U	1.8	U	1.6	U					
E537	T	2706-90-3	Perfluoropentanoic Acid (PFPeA)	ng/l	4.6	U	4.7	U	4.5	U	4.5	U	4.2	U	58	U	4.6	U	4.5	U	4.5	U	4.5	U	4	U					
E537	T	376-06-7	Perfluorotetradecanoic acid (PFTA)	ng/l	4.6	U	4.7	U	4.5	U	4.5	U	4.2	U	58	U	4.6	U	4.5	U	4.5	U	4.5	U	4	U					
E537	T	72629-94-8	Perfluorotridecanoic Acid (PFTriA)	ng/l	4.6	U	4.7	U	4.5	U	4.5	U	4.2	U	58	U	4.6	U	4.5	U	4.5	U	4.5	U	4	U					
E537	T	2058-94-8	Perfluoroundecanoic Acid (PFUnA)	ng/l	4.6	U	4.7	U	4.5	U	4.5	U	4.2	U	58	U	4.6	U	4.5	U	4.5	U	4.5	U	4	U					
E537	T	39108-34-4	Sodium 1H,1H,2H,2H-Perfluorodecane Sulfonate (8:2)	ng/l	4.6	U	0.53	J	4.5	U	4.5	U	4.2	U	58	U	4.6	U	4.5	U	4.5	U	4.5	U	4	U					
E537	T	27619-97-2	Sodium 1H,1H,2H,2H-Perfluorooctane Sulfonate (6:2)	ng/l	4.6	U	4.7	U	4.5	U	4.5	U	4.2	U	58	U	4.6	U	4.5	U	4.5	U	4.5	U	4	U					
SW8260	T	71-55-6	1,1,1-Trichloroethane (TCA)	ug/l	1	U			1	U	1	U			1	U											1	U	1	U
SW8260	T	79-34-5	1,1,2,2-Tetrachloroethane	ug/l	1	U			1	U	1	U			1	U											1	U	1	U
SW8260	T	76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/l	1	U			1	U	1	U			1	U											1	U	1	U
SW8260	T	79-00-5	1,1,2-Trichloroethane	ug/l	1	U			1	U	1	U			1	U											1	U	1	U
SW8260	T	75-34-3	1,1-Dichloroethane	ug/l	1	U			1	U	1	U			1	U											1	U	1	U
SW8260	T	75-35-4	1,1-Dichloroethene	ug/l	1	U			1	U	1	U			1	U											1	U	1	U
SW8260	T	87-61-6	1,2,3-Trichlorobenzene	ug/l	1	U			1	U	1	U			1	U											1	U	1	U
SW8260	T	120-82-1	1,2,4-Trichlorobenzene	ug/l	1	U			1	U	1	U			1	U											1	U	1	U
SW8260	T	95-63-6	1,2,4-Trimethylbenzene	ug/l	1	U			1	U	1	U			1	U											1	U	1	U
SW8260	T	96-12-8	1,2-Dibromo-3-Chloropropane	ug/l	2	U			2	UJ	2	U			2	U											2	U	2	U
SW8260	T	106-93-4	1,2-Dibromoethane (Ethylene Dibromide)	ug/l	1	U			1	U	1	U			1	U											1	U	1	U
SW8260	T	95-50-1	1,2-Dichlorobenzene	ug/l	1	U			1	U	1	U			1	U											1	U	1	U
SW8260	T	107-06-2	1,2-Dichloroethane	ug/l	1	U			1	U	1	U			1	U											1	U	1	U
SW8260	T	78-87-5	1,2-Dichloropropane	ug/l	1	U			1	U	1	U			1	U											1	U	1	U
SW8260	T	108-67-8	1,3,5-Trimethylbenzene (Mesitylene)	ug/l	1	U			1	U	1	U			1	U											1	U	1	U
SW8260	T	541-73-1	1,3-Dichlorobenzene	ug/l	1	U			1	U	1	U			1	U											1	U	1	U
SW8260	T	106-46-7	1,4-Dichlorobenzene	ug/l	1	U			1	U	1	U			1	U											1	U	1	U
SW8260	T	591-78-6	2-Hexanone	ug/l	5	U			5	U	5	U			5	U											5	U	5	U
SW8260	T	67-64-1	Acetone	ug/l	5	U			5	U	5	U			5	U											5	U	5	U
SW8260	T	71-43-2	Benzene	ug/l	1	U			1	U	1	U			1	U											1	U	1	U
SW8260	T	74-97-5	Bromochloromethane	ug/l	1	U			1	U	1	U			1	U											1	U	1	U
SW8260	T	75-27-4	Bromodichloromethane	ug/l	1	U			1	U	1	U			1	U											1	U	1	U
SW8260	T	75-25-2	Bromoform	ug/l	1	U			1	U	1	U			1	U											1	U	1	U
SW8260	T	74-83-9	Bromomethane	ug/l	1	U			1	U	1	UJ			1	U											1	U	1	U
SW8260	T	75-15-0	Carbon Disulfide	ug/l	1	U			1	U	1	U			1	U											1	U	1	U
SW8260	T	56-23-5	Carbon Tetrachloride	ug/l	1	U			1	U	1	U			1	U											1	U	1	U
SW8260	T	108-90-7	Chlorobenzene	ug/l	1	U			1	U	1	U			1	U											1	U	1	U
SW8260	T	75-00-3	Chloroethane	ug/l	1	U			1	U	1	U			1	U											1	U	1	U
SW8260	T	67-66-3	Chloroform	ug/l	1	U			1	U	1	U			2.8												1	U	1	U
SW8260	T	74-87-3	Chloromethane	ug/l	1	U			1	U	1	U			1	U											1	U	1	U
SW8260	T	156-59-2	Cis-1,2-Dichloroethylene	ug/l	1	U			1	U	1	U			1	U											1	U	1	U
SW8260	T	10061-01-5	Cis-1,3-Dichloropropene	ug/l	1	U			1	U	1	U			1	U											1	U	1	U
SW8260	T	110-82-7	Cyclohexane	ug/l	1	U			1	U	1	U			1	U											1	U	1	U
SW8260	T	124-48-1	Dibromochloromethane	ug/l	1	U			1	U	1	U			1	U											1	U	1	U
SW8260	T	75-71-8	Dichlorodifluoromethane	ug/l	1	U			1	U	1	U			1	U											1	U	1	U
SW8260	T	100-41-4	Ethylbenzene	ug/l	1	U			1	U	1	U			1	U											1	U	1	U
SW8260	T	98-82-8	Isopropylbenzene (Cumene)	ug/l	1	U			1	U	1	U			1	U											1	U	1	U
SW8260	T	179601-23-1	m,p-Xylene	ug/l	2	U			2	U	2	U			2	U											2	U	2	U
SW8260	T	79-20-9	Methyl Acetate	ug/l	2	UJ			2	U	2	U			2	U											2	U	2	U
SW8260	T	78-93-3	Methyl Ethyl Ketone (2-Butanone)	ug/l	5	U			5	U	5	U			5	U											5	U	5	U
SW8260	T	108-10-1	Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	ug/l	5	U			5	U	5	U			5	U											5	U	5	U
SW8260	T	108-87-2	Methylcyclohexane	ug/l	1	U			1	U	1	U			1	U											1	U	1	U
SW8260	T	75-09-2	Methylene Chloride	ug/l	1	U			1	U	1	U			1	U											1	U	1	U
SW8260	T	104-51-8	N-Butylbenzene	ug/l	1	U			1	U	1	U			1	U											1	U	1	U
SW8260	T	103-65-1	N-Propylbenzene	ug/l	1	U			1	U	1	U			1	U											1	U	1	U
SW8260	T	95-47-6	O-Xylene (1,2-Dimethylbenzene)	ug/l	1	U			1	U	1	U			1	U											1	U	1	U
SW8260	T	135-98-8	Sec-Butylbenzene	ug/l	1	U			1	U	1	U			1	U											1	U	1	U
SW8260	T	100-42-5	Styrene	ug/l	1	U			1	U	1	U			1	U											1	U	1	U
SW8260	T	98-06-6	T-Butylbenzene	ug/l	1	U			1	U	1	U			1	U											1	U	1	U
SW8260	T	1634-04-4	Tert-Butyl Methyl Ether	ug/l	1	U			1	U	1	U			1	U											1	U	1	U
SW8260	T	127-18-4	Tetrachloroethylene (PCE)	ug/l	1	U			1	U	1	U			1	U											1	U	1	U
SW8260	T	108-88-3	Toluene	ug/l	1	U			1	U	1	U			1	U											1	U	1	U
SW8260	T	156-60-5	Trans-1,2-Dichloroethene	ug/l	1	U			1	U	1	U			1	U											1	U	1	U
SW8260	T	10061-02-6	Trans-1,3-Dichloropropene	ug/l	1	U			1	U	1	U			1	U											1	U	1	U
SW8260	T	79-01-6	Trichloroethylene (TCE)	ug/l	1	U			1	U	1	U			1	U											1	U	1	U
SW8260	T	75-69-4	Trichlorofluoromethane	ug/l	1	U			1	U	1	U			1	U											1	U	1	U
SW8260	T	75-01-4	Vinyl Chloride	ug/l	1	U			1	U	1	U			1	U											1	U	1	U
SW8270	T	95-94-3	1,2,4,5-Tetrachlorobenzene	ug/l	10	U			10	UJ	0.99	U			9.1	U			9.1	U										
SW8270	T	58-90-2	2,3,4,6-Tetrachlorophenol	ug/l	10	U			10	U	0.99	U			9.1	U			9.1	U										
SW8270	T	95-95-4	2,4,5-Trichlorophenol	ug/l	10	U			10	U	0.99	U			9.1	U			9.1	U										
SW8270	T	88-06-2	2,4,6-Trichlorophenol	ug/l	10	U			10	U	0.99	U			9.1	U			9.1	U										
SW8270	T	120-83-2	2,4-Dichlorophenol	ug/l	10	U			10	U	0.99	U			9.1	U			9.1	U										
SW8270	T	105-67-9	2,4-Dimethylphenol	ug/l	10	U			10	UJ	0.99	U			9.1	U			9.1	U										
SW8270	T	51-28-5	2,4-Dinitrophenol	ug/l	52	U			52	U	0.99	U			45	U			45	U										
SW8270	T	121-14-2	2,4-Dinitrotoluene	ug/l	10	U			10	UJ	0.99	U			9.1	U			9.1	U										
SW8270	T	606-20-2	2,6-Dinitrotoluene	ug/l	10	U			10	UJ	0.99	U			9.1	U			9.1	U										
SW8270	T	91-58-7	2-Chloronaphthalene	ug/l	10	U			10	UJ	0.99	U			9.1	U			9.1	U										
SW8270	T	95-57-8	2-Chlorophenol	ug/l	10	U			10	UJ	0.99	U			9.1	U			9.1	U										
SW8270	T	91-57-6	2-Methylnaphthalene	ug/l	10	U			10	UJ	0.2	U			9.1	U			9.1	U										
SW8270	T	95-48-7	2-Methylphenol (O-Cresol)	ug/l	10	U			10	U	0.99	U			9.1	U			9.1	U										
SW8270	T	88-74-4	2-Nitroaniline	ug/l	10	U			10	UJ	0.99	U			9.1	U			9.1	U										
SW8270	T	88-75-5	2-Nitrophenol	ug/l	10	U			10	U	0.99	U			9.1	U			9.1	U										
SW8270	T	91-94-1	3,3'-Dichlorobenzidine	ug/l	10	U			10	UJ	0.99	U			9.1	U			9.1	U										
SW8270	T	99-09-2	3-Nitroaniline	ug/l	10	U			10	UJ	0.99	U			9.1	U			9.1	U										
SW8270	T	534-52-1	4,6-Dinitro-2-Methylphenol	ug/l	52	U			52	U	0.99	U			45	U			45	U										
SW8270	T	101-55-3	4-Bromophenyl Phenyl Ether	ug/l	10	U			10	UJ	0.99	U			9.1	U			9.1	U										
SW8270	T	59-50-7	4-Chloro-3-Methylphenol	ug/l	10	U			10	U	0.99	U			9.1	U			9.1	U										
SW8270	T	106-47-8	4-Chloroaniline	ug/l	10	UJ			10	UJ	0.99	U			9.1	UJ			9.1	UJ										

			Sample ID:	STP-EB-01_102720		STP-EB-01_102920		STP-EB-01_111020		STP-EB-01_112520		STP-EB-01_113020		STP-EB-02_102720		STP-EB-03_102820		STP-EB-04_102820		STP-EB-06_103020		STP-FB-01_112520		STP-FB-01_113020		STP-TB-01_112520		STP-TB-01_113020	
			Sample Type:	EB		EB		EB		EB		EB		EB		EB		EB		EB		FB		FB		TB		TB	
			Matrix:	WQ		WQ		WQ		WQ		WQ		WQ		WQ		WQ		WQ		WQ		WQ		WQ		WQ	
			SDG:	R2010129		R2010263		R2010721		R2011318		R2011387		R2010127		R2010127		R2010183		R2010282		R2011318		R2011387		R2011318		R2011387	
			Lab Sample ID:	R2010129-020		R2010263-013		R2010721-010		R2011318-004		R2011387-003		R2010127-005		R2010127-009		R2010183-014		R2010282-007		R2011318-005		R2011387-002		R2011318-003		R2011387-004	
			Sampled:	10/27/2020		10/29/2020		11/10/2020		11/25/2020		11/30/2020		10/27/2020		10/28/2020		10/28/2020		10/30/2020		11/25/2020		11/30/2020		11/25/2020		11/30/2020	
Method	Fraction	CAS_RN	Chemical Name	Unit																									
SW8270	T	7005-72-3	4-Chlorophenyl Phenyl Ether	ug/l	10	U			10	UJ	0.99	U			9.1	U			9.1	U										
SW8270	T	100-01-6	4-Nitroaniline	ug/l	10	U			10	UJ	0.99	U			9.1	U			9.1	U										
SW8270	T	100-02-7	4-Nitrophenol	ug/l	52	U			52	U	0.99	U			45	U			45	U										
SW8270	T	83-32-9	Acenaphthene	ug/l	10	U			10	UJ	0.2	U			9.1	U			9.1	U										
SW8270	T	208-96-8	Acenaphthylene	ug/l	10	U			10	UJ	0.2	U			9.1	U			9.1	U										
SW8270	T	98-86-2	Acetophenone	ug/l	10	U			10	UJ	0.99	U			9.1	U			9.1	U										
SW8270	T	120-12-7	Anthracene	ug/l	10	U			10	UJ	0.2	U			9.1	U			9.1	U										
SW8270	T	1912-24-9	Atrazine	ug/l	10	U			10	UJ	0.99	U			9.1	U			9.1	U										
SW8270	T	100-52-7	Benzaldehyde	ug/l	10	U			10	UJ	0.99	U			9.1	U			9.1	U										
SW8270	T	56-55-3	Benzo(A)Anthracene	ug/l	10	U			10	UJ	0.2	U			9.1	U			9.1	U										
SW8270	T	50-32-8	Benzo(A)Pyrene	ug/l	10	U			10	UJ	0.2	U			9.1	U			9.1	U										
SW8270	T	205-99-2	Benzo(B)Fluoranthene	ug/l	10	U			10	UJ	0.2	U			9.1	U			9.1	U										
SW8270	T	191-24-2	Benzo(G,H,I)Perylene	ug/l	10	U			10	UJ	0.2	U			9.1	U			9.1	U										
SW8270	T	207-08-9	Benzo(K)Fluoranthene	ug/l	10	U			10	UJ	0.2	U			9.1	U			9.1	U										
SW8270	T	85-68-7	Benzyl Butyl Phthalate	ug/l	10	U			10	UJ	5	U			9.1	U			9.1	U										
SW8270	T	92-52-4	Biphenyl (Diphenyl)	ug/l	10	U			10	UJ	0.99	U			9.1	U			9.1	U										
SW8270	T	111-91-1	Bis(2-Chloroethoxy) Methane	ug/l	10	U			10	UJ	0.99	U			9.1	U			9.1	U										
SW8270	T	111-44-4	Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	ug/l	10	U			10	UJ	0.99	U			9.1	U			9.1	U										
SW8270	T	108-60-1	Bis(2-Chloroisopropyl) Ether	ug/l	10	U			10	UJ	0.99	U			9.1	U			9.1	U										
SW8270	T	117-81-7	Bis(2-Ethylhexyl) Phthalate	ug/l	10	U			10	UJ	5	U			9.1	U			9.1	U										
SW8270	T	105-60-2	Caprolactam	ug/l	1.7	J			10	UJ	0.99	U			9.1	U			9.1	U										
SW8270	T	86-74-8	Carbazole	ug/l	10	U			10	UJ	0.99	U			9.1	U			9.1	U										
SW8270	T	218-01-9	Chrysene	ug/l	10	U			10	UJ	0.2	U			9.1	U			9.1	U										
SW8270	T	MEPH1314	Cresols, M & P	ug/l	10	U			10	U	0.99	U			9.1	U			9.1	U										
SW8270	T	53-70-3	Dibenz(A,H)Anthracene	ug/l	10	U			10	UJ	0.2	U			9.1	U			9.1	U										
SW8270	T	132-64-9	Dibenzofuran	ug/l	10	U			10	UJ	0.2	U			9.1	U			9.1	U										
SW8270	T	84-66-2	Diethyl Phthalate	ug/l	10	U			10	UJ	5	U			9.1	U			9.1	U										
SW8270	T	131-11-3	Dimethyl Phthalate	ug/l	10	U			10	UJ	5	U			9.1	U			9.1	U										
SW8270	T	84-74-2	Di-N-Butyl Phthalate	ug/l	10	U			10	UJ	5	U			9.1	U			9.1	U										
SW8270	T	117-84-0	Di-N-Octylphthalate	ug/l	10	U			10	UJ	5	UJ			9.1	U			9.1	U										
SW8270	T	206-44-0	Fluoranthene	ug/l	10	U			10	UJ	0.2	U			9.1	U			9.1	U										
SW8270	T	86-73-7	Fluorene	ug/l	10	U			10	UJ	0.2	U			9.1	U			9.1	U										
SW8270	T	118-74-1	Hexachlorobenzene	ug/l	10	U			10	UJ	0.2	U			9.1	U			9.1	U										
SW8270	T	87-68-3	Hexachlorobutadiene	ug/l	10	U			10	UJ	0.99	U			9.1	U			9.1	U										
SW8270	T	77-47-4	Hexachlorocyclopentadiene	ug/l	10	U			10	UJ	0.99	UJ			9.1	U			9.1	U										
SW8270	T	67-72-1	Hexachloroethane	ug/l	10	U			10	UJ	0.99	U			9.1	U			9.1	U										
SW8270	T	193-39-5	Indeno(1,2,3-C,D)Pyrene	ug/l	10	U			10	UJ	0.2	UJ			9.1	U			9.1	U										
SW8270	T	78-59-1	Isophorone	ug/l	10	U			10	UJ	0.99	U			9.1	U			9.1	U										
SW8270	T	91-20-3	Naphthalene	ug/l	10	U			10	UJ	0.2	U			9.1	U			9.1	U										
SW8270	T	98-95-3	Nitrobenzene	ug/l	10	U			10	UJ	0.2	U			9.1	U			9.1	U										
SW8270	T	621-64-7	N-Nitrosodi-N-Propylamine	ug/l	10	U			10	UJ	0.99	U			9.1	U			9.1	U										
SW8270	T	86-30-6	N-Nitrosodiphenylamine	ug/l	10	U			10	UJ	0.99	U			9.1	U			9.1	U										
SW8270	T	87-86-5	Pentachlorophenol	ug/l	52	U			52	U	0.99	UJ			45	U			45	U										
SW8270	T	85-01-8	Phenanthrene	ug/l	10	U			10	UJ	0.2	U			9.1	U			9.1	U										
SW8270	T	108-95-2	Phenol	ug/l	10	U			10	U	0.99	U			9.1	U			9.1	U										
SW8270	T	129-00-0	Pyrene	ug/l	10	U			10	UJ	0.2	U			9.1	U			9.1	U										
8081B	T	309-00-2	Aldrin	ug/l	0.045	U			0.045	UJ	0.045	U			0.045	U														
8081B	T	319-84-6	Alpha Bhc (Alpha Hexachlorocyclohexane)	ug/l	0.045	U			0.045	UJ	0.045	U			0.045	U														
8081B	T	959-98-8	Alpha Endosulfan	ug/l	0.045	U			0.045	UJ	0.045	U			0.045	U														
8081B	T	319-85-7	Beta Bhc (Beta Hexachlorocyclohexane)	ug/l	0.045	U			0.045	UJ	0.045	U			0.045	U														
8081B	T	33213-65-9	Beta Endosulfan	ug/l	0.045	U			0.045	UJ	0.045	U			0.045	U														
8081B	T	12789-03-6	Chlordane (Technical)	ug/l	0.045	U			0.045	UJ	0.045	U			0.045	U														
8081B	T	5103-71-9	cis-Chlordane	ug/l	0.045	U			0.045	UJ	0.045	U			0.045	U														
8081B	T	319-86-8	Delta BHC (Delta Hexachlorocyclohexane)	ug/l	0.045	U			0.045	U	0.045	U			0.045	U														
8081B	T	60-57-1	Dieldrin	ug/l	0.045	U			0.045	UJ	0.045	U			0.045	U														
8081B	T	1031-07-8	Endosulfan Sulfate	ug/l	0.045	U			0.045	UJ	0.045	U			0.045	U														
8081B	T	72-20-8	Endrin	ug/l	0.045	U			0.045	UJ	0.045	U			0.045	U														
8081B	T	7421-93-4	Endrin Aldehyde	ug/l	0.045	U			0.045	U	0.045	U			0.045	U														
8081B	T	53494-70-5	Endrin Ketone	ug/l	0.045	U			0.045	UJ	0.045	U			0.045	U														
8081B	T	58-89-9	Gamma Bhc (Lindane)	ug/l	0.045	U			0.045	UJ	0.045	U			0.045	U														
8081B	T	76-44-8	Heptachlor	ug/l	0.045	U			0.045	UJ	0.045	U			0.045	U														
8081B	T	1024-57-3	Heptachlor Epoxide	ug/l	0.045	U			0.045	UJ	0.045	U			0.045	U														
8081B	T	72-43-5	Methoxychlor	ug/l	0.045	UJ			0.045	UJ	0.045	U			0.045	UJ														
8081B	T	72-54-8	P,P'-DDD	ug/l	0.045	U			0.045	UJ	0.045	U			0.045	U														
8081B	T	72-55-9	P,P'-DDE	ug/l	0.045	U			0.045	UJ	0.045	U			0.045	U														
8081B	T	50-29-3	P,P'-DDT	ug/l	0.045	U			0.045	UJ	0.045	U			0.045	U														
8081B	T	8001-35-2	Toxaphene	ug/l	0.46	U			0.46	UJ	0.46	U			0.46	U														
8082A	T	12674-11-2	PCB-1016 (Aroclor 1016)	ug/l	0.91	U			0.91	U	0.051	U			0.91	U														
8082A	T	11104-28-2	PCB-1221 (Aroclor 1221)	ug/l	1.8	U			1.8	U	0.051	U			1.8	U														
8082A	T	11141-16-5	PCB-1232 (Aroclor 1232)	ug/l	0.91	U			0.91	U	0.051	U			0.91	U														
8082A	T	53469-21-9	PCB-1242 (Aroclor 1242)	ug/l	0.91	U			0.91	U	0.051	U			0.91	U														
8082A	T	12672-29-6	PCB-1248 (Aroclor 1248)	ug/l	0.91	U			0.91	U	0.051	U			0.91	U														
8082A	T	11097-69-1	PCB-1254 (Aroclor 1254)	ug/l	0.91	U			0.91	U	0.051	U			0.91	U														
8082A	T	11096-82-5	PCB-1260 (Aroclor 1260)	ug/l	0.91	U			0.91	U	0.051	U			0.91	U														
8082A	T	37324-23-5	PCB-1262 (Aroclor 1262)	ug/l	0.91	U			0.91	U	0.051	U			0.91	U														
8082A	T	11100-14-4	PCB-1268 (Aroclor 1268)	ug/l	0.91	U			0.91	U	0.051	U			0.91	U														
8082A	T	1336-36-3	Polychlorinated Biphenyl (PCBs)	ug/l	0.91	U			0.91	U	0.051	U			0.91	U														
SW8151A	T	94-75-7	2,4-D (Dichlorophenoxyacetic Acid)	ug/l							0.45	U																		
SW8151A	T	93-76-5	Acetic acid, (2,4,5-trichlorophenoxy)-	ug/l							0.45	U																		
SW8151A	T	1918-00-9	Dicamba	ug/l							0.45	U																		
SW8151A	T	88-85-7	Dinoseb	ug/l							0.45	U																		
SW8151A	T	93-72-1	Silvex (2,4,5-TP)	ug/l	0.5	U			0.5	U	0.45	U			0.45	U														
SW6010	T	7429-90-5	Aluminum	ug/l	32.7	J			92.3	J	100	U			101				30.6	J										
SW6010	T	7440-36-0	Antimony	ug/l	60	U			60	U	10	U			60	U			60	U										
SW6010	T	7440-38-2	Arsenic	ug/l	10	U			10	U	10	U			10	U			10	U										
SW6010	T	7440-39-3	Barium	ug/l	20	U			20	U	20	U			20	U			20	U										
SW6010	T	7440-41-7	Beryllium	ug/l	3	U			3	U	3	U			3	U			3	U										
SW6010	T	7440-42-8	Boron	ug/l	200	U			200	U	200	U			200	U			200	U										
SW6010	T	7440-43-9	Cadmium	ug/l	5	U			5	U	5	U			5	U			5	U										
SW6010	T	7440-70-2	Calcium	ug/l	1000	U			1000	U	1000	U			1000	U			1000	U										
CALC	T	16065-83-1	Chromium III	ug/l	3.4				2	U					2	U														
SW7199	T	18540-29-9	Chromium, Hexavalent	mg/l	0.01	U			0.01	UJ					0.01	U														
SW6010	T	7440-47-3	Chromium, Total	ug/l	3.4	J			10	U	10	U			10	U			10	U										
SW6010	T	7440-48-4	Cobalt	ug/l	50	U			50	U	50	U			50	U			50	U										
SW6010	T	7440-50-8	Copper	ug/l	20	U			20	U	20	U			20	U			20	U										
SW6010	T	7439-89-6	Iron	ug/l	189				102		100	U			133				100	U										
SW6010	T	7439-92-1	Lead	ug/l	50	U			50	U	5	U			50	U			50	U										
SW6010	T	7439-95-4	Magnesium	ug/l	1000	U			1000	U	1000	U			1000	U			1000	U										
SW6010	T	7439-96-5	Manganese	ug/l	10	U			10	U	10	U			10	U			10	U										
SW7470	T	7439-97-6	Mercury	ug/l	0.2	U			0.2	U	0.2	U			0.2	U			0.2	U										
SW6010	T	7440-02-0	Nickel	ug/l	40	U			40	U	40	U			40	U			40	U										
SW6010	T	7440-09-7	Potassium	ug/l	2000	U			2000	U	2000	U			2000	U			2000	U										
SW6010	T	7782-49-2	Selenium	ug/l	10	U			10	U	10	U			10	U			10	U										
SW6010	T	7440-22-4	Silver	ug/l	10	U			10	U	10	U			10	U			10	U										
SW6010	T	7440-23-5	Sodium	ug/l	1000	U			146	J	1000	U			280	J			162	J										
SW6010	T	7440-28-0	Thallium	ug/l	10	U			10	U	10	U			10	U			10	U										
SW6010	T	7440-62-2	Vanadium	ug/l	50	U			50	U	50	U			50	U			50	U										
SW6010	T	7440-66-6	Zinc	ug/l	20	U			20	U	20	U			20	U			20	U										
SW9012B	T	57-12-5	Cyanide	mg/l	0.01	U			0.01	U					0.01	U														
E1664	T	OILGREASE	Oil & Grease, Total Rec	mg/l	2	J			1.7	J	2.6	J			4	J														

PARSONS