
REMEDIAL INVESTIGATION REPORT FOR THE TIME 1-HOUR CLEANERS SITE

SITE NUMBER 932158

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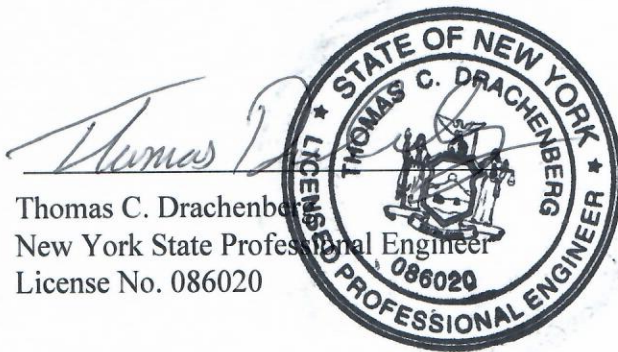


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Certification

"I, Thomas Drachenberg, certify that I am currently a New York state registered professional engineer as defined in 6 NYCRR Part 375 and that this Remedial Investigation Report was prepared in accordance with all applicable statutes and regulations and in substantial conformance with the DER Technical Guidance for Site Investigation and Remediation (DER-10) and that all activities were performed in full accordance with the DER-approved work plan and DER-approved modifications."



04/07/2022
Date

*Unauthorized alteration or addition to this engineering document is a violation of
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LIST OF ACRONYMS

ACRONYM	Definition	ACRONYM	Definition
1,1,1-TCA	1,1,1-trichloroethane	PFOA	perfluorooctanoic acid
APU	Air Purifying Unit	PFOS	perfluorooctanesulfonic acid
AWQS	Ambient Water Quality Standard	PID	photoionization detector
bgs	below ground surface	PVC	polyvinyl chloride
DCE	cis-1,2-dichloroethene	PVE	passive injection
DUSR	Data Usability Study Report	QA/QC	quality assurance/quality control
EDR	Environmental Data Resources, Inc.	RI	Remedial Investigation
ELAP	Environmental Laboratory Approval Program	RJS	RJS Environmental
ESA	Environmental Site Assessment	ROW	right-of-way
GES	Groundwater and Environmental Services, Inc.	RQD	Rock Quality Designation
HDPE	high density polyethylene	SB	soil boring
IA	indoor air	SCO	Soil Cleanup Objective
IDW	investigation-derived waste	SGV	Standards and/or Guidance Value
IRM	Interim Remedial Measures	Site	Time 1-Hour Cleaners (2526 and 2532 Pine Avenue)
mg/kg	milligrams per kilogram	SPT	Standard Penetration Test
MTBE	methyl tert butyl ether	SS	surface soil
MW	monitoring well	SSDS	sub-slab depressurization system
NAD	North American Datum	SSSV	sub-slab soil vapor samples
NAVD	North American Vertical Datum	SVE	soil vapor extraction
NTU	Nephelometric Turbidity Units	SVI	soil vapor intrusion
NYCRR	New York Codes Rules and Regulations	SVOC	semivolatile organic compound
NYSDEC	New York State Department of Environmental Conservation	SVP	soil vapor points
NYSDOH	New York State Department of Health	TAL	Target Analyte List
NYSDOT	New York State Department of Transportation	TBA	tert butyl alcohol
OBG	O'Brien and Gere, Inc.	TCE	trichloroethylene (trichloroethene)
PCBs	polychlorinated biphenyls	TCL	Target Compound List
PCE	tetrachloroethylene	ug/L	micrograms per liter
PFAS	per and polyfluoroalkyl substances	USCS	Unified Soil Classification System
		USEPA	U.S. Environmental Protection Agency
		VOC	volatile organic compound
		w.c.	water column

SECTION 1 - INTRODUCTION

This Remedial Investigation (RI) Report presents results of investigation activities conducted in relation to the Time 1-Hour Cleaners Site, Site Number 932158 (the Site). Investigation work was completed between 2014 and 2019. RI activities described in this report were performed in accordance with the New York State Department of Environmental Conservation (NYSDEC) DER-10 technical guidance (NYSDEC 2010) and written work scopes (Parsons 2013, Parsons 2018, and Parsons 2019) approved by NYSDEC prior to commencing investigation activities. A site location map is provided as **Figure 1**.

The purpose of the remedial investigation was to:

- determine the extent of perchloroethylene (also known as tetrachlorethylene or PCE) and related chlorinated volatile organic compounds (VOCs) including daughter products in soil, groundwater, and soil vapor in the vicinity of the Site.
- describe site conditions affecting transport of contaminants away from the Site.
- assess impacts associated with contamination at the Site.

1.1 Site and Surrounding Development

The Site is approximately 0.24 acres and is located at 2526 and 2532 Pine Avenue in Niagara Falls, Niagara County, New York. Both parcels are mostly covered by the footprint of two structures. The parking area occupying the north side of both properties were originally unpaved, however the 2532 Pine Avenue parking area was paved in Fall of 2021, while the 2526 Pine Avenue parking area remains gravel. The two parcels making up this Site have the following uses:

- 2526 Pine Avenue is a 4,143-square-foot structure that includes a store front for dry cleaning items and three apartment units on the second floor
- 2532 Pine Avenue, referred to as DiLaura DDS, (2,964-square-foot structure) is a two-story building with a 2,964-square-foot footprint that contains a dental office on the first floor and a residential apartment on the second floor

The Site is located in a densely populated commercial and residential area in the City of Niagara Falls. The Site is bordered to the north by a residential area, to the west by commercial and residential properties, to the east by a vacant building (at 2602 Pine Avenue) and to the south by Pine Avenue (See **Figure 2**).

The Site is situated at a ground surface elevation of approximately 575 feet above mean sea level. Slope follows the general area topography toward Gill Creek, which is located approximately 1,800 feet to the east/southeast of the Site (see **Figure 1**).

Dry cleaning operations began at the 2532 Pine Avenue property during, or prior to, 1969 and continued at that location until 1982. A depiction of the historic layout of dry cleaning operations at 2532 Pine Avenue is provided in **Figure 3**. Beginning in 1982, Time 1-Hour Cleaners relocated to the adjacent property located at 2526 Pine Avenue. Dry cleaning operations continued at 2526 Pine Avenue until 1988, at which point dry cleaning equipment was removed and on-site services were limited to garment pressing and drop off/pickup (no active dry cleaning). The 2526 Pine Avenue property was sold on June 14, 2021 to the Rahima Aziz Foundation. Currently, the building is vacant.

No water supply wells have been identified immediately downgradient of the Site. The nearest water supply well found during a records search for this remedial investigation is located at least 2 miles southeast of the Site, cross-gradient of the inferred groundwater flow direction. No wetlands exist on or adjacent to the Site based on New York state and federal wetland mapping.

1.2 Previous Site Investigations

Prior investigations completed at the Site included a Phase II Environmental Site Assessment (ESA) and a soil vapor intrusion (SVI) investigation.

The Phase II ESA was completed in August 2011 by RJS Environmental of Blasdell, New York (RJS 2011). It should be noted that at the time of the RJS ESA, the 2532 Pine Avenue Property was not considered part of the Site. The Phase II ESA included the following:

- Installation of four soil borings, denoted as SB-01 through SB-04 (**Figure 4**), in the parking lot north of the Site building
- Collection and analysis of one or more soil samples from each boring location
- Installation of two groundwater monitoring wells
- Collection of sub-slab soil vapor samples (SSSV), denoted as sub-slab 1 and sub-slab 2, from beneath the Site building and proximate to the dry cleaning machine/vapor barrier room

Indoor air samples were not collected due to the use of dry cleaning solvents in the building at the time of sampling, which likely would have influenced the sample results. Although two groundwater monitoring wells were installed, the wells did not produce sufficient groundwater to obtain water samples for analysis.

Soil and SSSV samples were analyzed for VOCs. The results of the 2011 Phase II ESA soil samples (**Table 1** and **Figure 5**) are summarized as follows:

- Solvent-odors and elevated photoionization detector (PID) readings were observed in each of the soil borings.
- PCE, a compound typically associated with dry cleaning solvents, was detected at concentrations above the NYSDEC Residential-Use Soil Cleanup Objectives (SCOs) and the Unrestricted-Use SCOs in each of the soil samples collected from each boring, and some samples exceeded more stringent SCOs.
- The compounds trichloroethene (TCE), cis-1,2-dichloroethene (DCE), and 1,1,1-trichloroethane (1,1,1-TCA) were detected in select soil samples at concentrations above the Unrestricted-Use SCOs.

Analytical results of the soil vapor samples were compared against the New York State Department of Health (NYSDOH) decision matrices presented in the “NYSDOH Guidance for Evaluating Soil Vapor Intrusion in the State of New York,” October 2006 (NYSDOH SVI Guidance). Three VOCs, including PCE, TCE, and DCE, were detected at concentrations that required mitigation, as concluded through the decision matrices presented in the NYSDOH SVI Guidance (2006). Analytical results are shown in **Table 2A**, **Table 2B**, and on **Figure 6A**.

RJS subsequently notified the NYSDEC with the results of the Phase II ESA. In March 2012, Groundwater & Environmental Services, Inc. (GES), at the request of NYSDEC, conducted further SVI sampling at the 2526 Pine Avenue building and another building located nearby at 2532 Pine Avenue (referred to as “Building #1”). SVI samples collected from each building location included:

- SSSV samples from the basement of each building
- indoor air samples collected from the basement of each building
- an outdoor air sample collected from the green space in-between the buildings

The validated results of the SVI sampling (shown in **Tables 2A** and **2B**) were provided to the NYSDOH, who subsequently determined that mitigation was required at the 2526 Pine Avenue building to reduce concentrations of PCE to acceptable concentrations, and that a mitigation system was not required for 2532 Pine Avenue (GES 2012a).

In June 2012, a sub-slab depressurization system (SSDS) was subsequently installed at the 2526 Pine Avenue building. The results of the pressure field extension test indicated that a minimum pressure differential of

0.075 inches of water column (w.c.) were observed at a distance of 28 feet from the nearest suction point, which concluded that the SSDS provided a strong influence over the basement slab.

In April 2012, GES also completed a records review at the request of NYSDOH to obtain further information regarding the history and environmental records associated with the Site and nearby properties (GES 2012b). The records were obtained from a contracted data research firm, Environmental Data Resources, Inc., (EDR). Based on the review of historical records, the following were observed by GES regarding the history of the Site and adjacent property:

- The dry cleaner associated with the Site (Time 1-Hour Cleaners) operated at 2532 Pine Avenue from at least 1964 through the time period between 1979 and 1983 and subsequently operated at 2526 Pine Avenue thereafter.

Records searches from nearby property indicated that filling stations and auto repairs shops were previously present to the east and south of the Site, and evidence of historic petroleum releases (now closed NYSDEC spill cases) were present across the street from the Site.

SECTION 2 – REMEDIAL INVESTIGATION ACTIVITIES

RI Site activities were conducted by Parsons in accordance with the following scopes approved by NYSDEC:

- Remedial Investigation/Feasibility Study (Parsons, October 2013);
- Amendment 1: Supplemental Remedial Investigation/Feasibility Study (Parsons, January 2018); and
- Amendment 2: Interim Remedial Measures/Remedial Action and Remedial Investigation/Feasibility Study (Parsons, April 2019).

The RI activities are further detailed in Sections 2.1 through 2.9, as follows:

- 2.1 RI Activities Chronology
- 2.2 Geophysical Investigation and Site Survey
- 2.3 Surface Soil Investigation
- 2.4 Subsurface Soil Investigation
- 2.5 Perched Water Investigation
- 2.6 Groundwater Investigation
- 2.7 SVI Investigation, Mitigation, and Remedial Activities
- 2.8 Waste Management
- 2.9 Data Validation and Reporting

2.1 RI Activities Chronology

The RI consisted of completing this timeline of activities:

Phase I RI (March – April 2014)

- SVI investigation and performance evaluation of the existing on-site SSDS at 2526 Pine Avenue (March 2014)
- Geophysical and initial Site survey (April 2014)
- Groundwater, surface soil, and subsurface soil investigation (April 2014)

2532 Pine Avenue (DiLaura DDS) Investigation Activities (March – July 2015)

- SVI investigation of the DiLaura DDS building, 2532 Pine Avenue (March/April 2015)
- Exterior soil vapor sampling in the Pine Avenue right-of-way (ROW) (July 2015)

2532 Pine Avenue (DiLaura DDS) Investigation Activities (September 2015)

- Additional SVI sampling

Additional SVI Mitigation Activities at 2532 Pine Avenue Completed by GES (November/December 2015)

- Sealed the sump in the basement of DiLaura DDS building
- Installation of three Air Purifying Units (APUs) in the DiLaura DDS building
- Sealing of the pit located in the room next to the garage of the DiLaura DDS building

Additional SVI Investigation/Mitigation Activities – 2532 Pine Avenue (March 2016)

- Installation of two additional APUs in the basement, one additional APU each on the first and second floors of the DiLaura DDS building
- Collection of additional SVI samples

On-site and Off-site Additional SVI Activities (March 2017)

- Collection of additional SVI samples from the 2526 Pine Avenue building (Time 1-Hour Cleaners)
- Collection of SVI samples from an additional building (referred to as Building 3)

Additional SVI Mitigation Activities – 2532 Pine Avenue Building (June 2017)

- Installation of a sump ventilation system in the 2532 Pine Avenue building basement

Off-site SVI Mitigation Activities - Building 3 (June 2018)

- Installation of an SSDS system was completed in the basement of Building 3

Supplemental RI (June 2018 – December 2018)

- Installation of three off-site bedrock monitoring wells and collection of groundwater samples (June 2018)
- Installation and collection of two off-site soil borings and soil samples on the DiLaura DDS property, including one exterior boring completed in a yard and an interior boring completed in a basement (June 2018)
- Additional exterior soil vapor sampling in the Pine Avenue ROW (July 2018)
- Additional SVI sampling was completed in the 2532 Pine Avenue building (December 2018).

Interim Remedial Measures (IRM)/Remedial Activities - 2532 Pine Avenue (June 2018 –Present)

- Continued maintenance and operation of the seven APUs installed in November/December 2015 and March 2016 (2015 to present);
- Sealing of basement slab and utility penetrations of the 2532 Pine Avenue building (August 2021);
- Inspection and rehabilitation of the sewer system associated with the 2532 Pine Avenue building (August 2021); and
- Installation of soil vapor extraction (SVE) system at the 2532 Pine Avenue building, including three extraction wells, two passive injection points, and a prefabricated SVE system (installed in August – September 2019). System start-up was conducted at the end of January 2021 and the system has been operating since then. Significant water has been observed in each of the new extraction and passive injection wells since their installation. Multiple dewatering events have been performed to date, and further testing will be performed to evaluate the nature of sub-slab water.

2.2 Geophysical Investigation and Site Surveying Activities (2014)

A non-intrusive geophysical survey was performed at the Site by a subcontractor (Thew Associates) in 2014 to locate subsurface utility lines. Identified underground Site utilities or obstructions were marked in the field. A similar non-intrusive investigation was completed by Ravi Engineering and Landscape Surveying in 2018 to locate potential utilities prior to drilling soil borings SB-10 and monitoring wells (MW) MW-07, MW-08, and MW-09. The soil boring and well locations are shown on **Figure 4**.

Following the geophysical investigation and mark out of investigation sampling locations, a topographical survey was completed for the Site and surrounding parcels by a licensed land surveyor (Fisher Associates). The Site survey included geophysical mark-outs of former structures, utilities, and obstructions. Other Site survey tasks

included collecting sample location coordinates and associated ground elevations. Horizontal survey data were based on the North American Datum (NAD) 83 New York State Plane (Western Zone) coordinate system (in feet). Elevations were based on the North American Vertical Datum (NAVD) 88 (in feet).

2.3 Surface Soil Investigation Activities (2014)

As part of the original RI scope, seven surficial soil samples were planned based on a review of historical (RJS 2011) Site information at locations where elevated concentrations of PCE were previously noted in the vicinity of borings SB-01 through SB-04. Following reconnaissance and discussions with NYSDEC, only three of the seven planned surface soil samples (denoted SS-01, SS-02, and SS-03) were collected in the gravel lot on the north end of the Site property, as shown in **Figure 4**. Soil samples were obtained from the top 6 inches of soil by Parsons personnel in April 22 through April 25, 2014 using a hand auger, which was decontaminated between sampling locations. Each soil sample was placed into appropriate laboratory-provided containers and submitted to an Environmental Laboratory Approval Program (ELAP)-certified laboratory (Con-Test Analytical Laboratory) for analysis of the following parameters:

- Target Compound List (TCL) VOCs using U.S. Environmental Protection Agency (USEPA) Method 8260C
- TCL Semivolatile Organic Compounds (SVOCs) using USEPA Method 8270D
- Polychlorinated Biphenyls (PCBs) using USEPA Method 8082A
- TCL Pesticides using USEPA Method 8081B
- TCL Herbicides using EPA Method 8151A
- Target Analyte List (TAL) metals using USEPA Method 6010C/7471B
- Cyanide using USEPA Method 9014

2.4 Subsurface Soil Investigation Activities

2.4.1 Phase I RI Subsurface Soil Investigation Activities (2014)

The purpose of the Phase I RI subsurface soils investigation was to identify the horizontal and vertical extent of soil contamination. This included the installation of three soil borings (denoted SB-06, SB-07, and SB-09), as well as four additional borings, denoted MW-02, MW-04, MW-05, and MW-06. Borings MW-02, MW-04, MW-05, and MW-06 were originally drilled with the intention of installing a monitoring well at each location; however, wells were not installed since groundwater was not observed in the boreholes. Prior to drilling, each location was cleared with a hand auger to a depth of 5 feet below ground surface (bgs).

Soil borings SB-06, SB-07, and SB-09 were drilled by GeoLogic NY, Inc (“GeoLogic”), a New York state licensed drilling company, on April 22 and April 24, 2014. These three borings were installed along the south edge of Pine Alley within the northern portions of the Site and surrounding off-site properties (**Figure 4**). Soil borings SB-06, SB-07, and SB-09 were drilled via CME-55 drill rig equipped with hollow-stem augers (HSAs) until auger refusal was encountered, the depth of which ranged from 16.3 feet to 18.7 feet bgs. Split-spoon samples were collected, and Standard Penetration Testing (SPT) was performed, continuously at each of the soil boring locations.

The work scope originally included the installation of six soil borings, however planned borings SB-05, SB-08, and SB-10 were removed due to access issues, utility conflicts, or both.

Soil borings MW-02, MW-04, MW-05, and MW-06 were drilled by GeoLogic on April 23 through April 25, 2014 using a Geoprobe® direct-push technology (DPT) drill rig equipped with Macro-Core® samplers until refusal was encountered, the depth of which ranged from 15.5 feet to 17.2 feet bgs. These soil borings were originally drilled

with the intention of installing a monitoring well at each location; however, groundwater was not observed in these boreholes, so no wells were installed.

Retrieved samples (split spoons or Macro-Core) were visually examined for physical characteristics and described using the Unified Soil Classification System (USCS). The samples were screened with a PID, and any olfactory characteristics were noted. Headspace readings were recorded from each split spoon or Macro-Core soil sample retrieved. If only a portion of the recovered sample was impacted based on the field screening, the headspace readings were collected from that specific portion of the recovered sample. Soil boring logs are provided in **Appendix A**.

The RI scope initially planned for collection of one sample from above the water table. However, groundwater was not observed in any of the soil borings (SB-06, SB-07, SB-09, MW-02, MW-04, MW-05, and MW-06) consistent with observations made in 2011 from other boreholes. Two subsurface soil samples were collected from each location — one sample collected at the vertical interval exhibiting the highest PID reading and/or visual contamination or odors, and one sample collected at or near the bottom of the soil boring — with the exception of borings MW-05 and MW-06, where only one sample was collected from near or at the bottom of each boring. Each soil sample was placed into appropriate laboratory-provided containers and was submitted to Con-Test Analytical Laboratory for analysis of the following parameters:

- TCL VOCs using USEPA Method 8260C
- TCL SVOCs using USEPA Method 8270D
- PCBs using USEPA Method 8082A
- TCL Pesticides using USEPA Method 8081B
- TCL Herbicides using EPA Method 8151A
- TAL Metals using USEPA Method 6010C/7471B
- Cyanide using USEPA Method 9014

2.4.2 Supplemental RI Subsurface Soil Investigation Activities (2018)

Based on the results of the Phase I RI field effort, and following discussions with NYSDEC, a supplemental RI field effort was completed in 2018 to help better locate and define the potential sources of PCE that were observed at the Site and nearby buildings. As part of the supplemental RI, five additional subsurface soil borings (as shown in **Figure 4**) were completed by Nothnagle Drilling, as follows:

- Boring SB-10 was advanced in the yard adjacent to the building associated with 2532 Pine Avenue to approximately 16 feet bgs via direct push technologies.
- Boring SB-11 was installed in the basement of 2532 Pine Avenue to approximately 4 feet below the basement slab via hand-auger near the suspected source area.
- Prior to installing monitoring wells at MW-07, MW-08, and MW-09, soil borings were advanced using hollow-stem augers to the top of bedrock. An HQ core barrel was then used to advance to the total boring depth using a CME-55 drill rig. Auger refusal was encountered between 15.7 to 17 feet bgs in the borings.

Following soil boring advancement, retrieved soil samples from each boring were visually examined for physical characteristics and described using the USCS. The samples were screened with a PID, and any olfactory characteristics noted. Headspace readings were recorded from each soil sample retrieved. A representative soil sample was then submitted for laboratory analysis from each boring location from the depth where highest PID readings were observed, with the following two exceptions:

- MW-08, in which soil samples were collected and shipped to the laboratory, but were lost in transit
- Boring SB-11, where a soil sample was collected from each 6-inch interval below concrete due to observed impacts and elevated PID readings

Each soil sample was placed into appropriate laboratory-provided containers and was submitted to an ELAP-certified laboratory (SGS North America, Inc.) for analysis of the following parameters:

- TCL VOCs using USEPA Method 8260C
- TCL SVOCs using USEPA Method 8270D
- PCBs using USEPA Method 8082A
- TCL Pesticides using USEPA Method 8081B
- TCL Herbicides using EPA Method 8151A
- TCL metals using USEPA Method 6010C/7471B
- Cyanide using USEPA Method 9012B/LACHAT

2.5 Perched Water Investigation Activities

2.5.1 Phase I RI Perched Water Investigation Activities (September 2015)

Two water samples were collected from the sump (“Sump Water”) located in the basement of 2532 Pine Avenue. The samples were collected using grab sampling techniques. The samples were placed into appropriate laboratory-provided containers and submitted to an ELAP-certified laboratory for analysis by USEPA Method 8260C for TCL VOCs.

2.5.2 Phase I RI Perched Water Investigation Activities (June 2016)

One perched water sample was collected from the sub-slab at 2532 Pine Avenue. The sample was collected by O’Brien and Gere, Inc. (OBG). The sample volume was limited and only one 40-ml vial (instead of three) was filled and submitted to an ELAP-certified laboratory for analysis by USEPA Method 8260C for TCL VOCs.

2.6 Groundwater Investigation Activities

2.6.1 Phase I RI Groundwater Investigation Activities (2014)

The purpose of the Phase I RI groundwater investigation was to identify the horizontal extent of groundwater contamination (if present) and local groundwater flow direction in overburden soils. The Phase I RI scope of work originally specified the installation of six groundwater monitoring wells in overburden soils, which included the collection of soil samples. Following discussions with NYSDEC, two locations (MW-01 and MW-03) were eliminated from the Phase I efforts due to proximity to underground and overhead utilities. Only locations MW-02, MW-04, MW-05, and MW-06 were drilled, as shown on **Figure 4**.

As mentioned in Section 2.4.1, soil borings were drilled at MW-02, MW-04, MW-05, and MW-06, and representative soil samples were collected from one or more depth intervals within each boring. Upon reaching refusal, the boreholes were allowed to sit open for up to one hour to allow time for groundwater to accumulate within the borehole. Groundwater was not observed to be present after one hour, therefore each location was backfilled with soil that had been removed during drilling. Monitoring wells were not constructed at any of the four drilled locations.

2.6.2 Supplemental RI Groundwater Investigation Activities (2018)

During the Phase I drilling, groundwater was not encountered in borings advanced to refusal depth (i.e., suspected top of bedrock). Therefore, an additional groundwater investigation was completed in 2018 as part of the supplemental RI to locate the presence of groundwater in the bedrock aquifer located beneath the Site, install permanent groundwater wells, and collect representative groundwater samples to characterize any potential impacts to groundwater from the PCE-impacts observed in soil. Groundwater sampling locations are shown on **Figure 4**.

2.6.2.1 Temporary Well Installation and Sampling

While installing soil boring SB-11, located in the basement of the 2532 Pine Avenue building, standing water was noted to be present within the borehole. The water encountered is believed to be a perched layer of surficial and roof-drain runoff, not groundwater. Upon completing SB-11 to a depth of 4 feet, a 2-inch schedule 40 polyvinyl chloride (PVC) 10-slot screen was installed in the borehole location. No filter pack, bentonite seal, or concrete was used in the borehole for the temporary well installation.

Groundwater in SB-11 was purged prior to sampling using a peristaltic pump and dedicated high density polyethylene (HDPE) sample tubing. Groundwater samples were collected directly from dedicated sample tubing into laboratory-supplied sample bottles. The samples were placed into appropriate laboratory-provided containers and were submitted to an ELAP-certified laboratory (SGS North America, Inc.) for analysis of the following parameters:

- TCL VOCs using USEPA Method 8260C
- TCL SVOCs using USEPA Method 8270D
- 1,4-dioxane via EPA Method SIM 8270D
- TCL per- and polyfluoroalkyl substances (PFAS) via EPA Method 537
- PCBs using USEPA Method 8082A
- TCL Pesticides using USEPA Method 8081B
- TCL Herbicides using EPA Method 8151A
- TCL total metals using USEPA Method 6010D/7470A
- Cyanide using USEPA Method EPA 335.4/LACHAT

For quality assurance/quality control (QA/QC) purposes, a field blank and equipment blank were also collected. QA/QC samples were analyzed for the following parameters:

- 1,4-dioxane via EPA Method SIM 8270D
- TCL PFAS via EPA Method 537

Following collection of the groundwater samples the 2-inch PVC 10-slot screen was removed, and the borehole was tremie grouted to the bottom of basement slab surface using a bentonite and Portland cement slurry. Once the grout had set, the basement slab was patched and restored using quick-set concrete.

2.6.2.2 Monitoring Well Installation and Sampling

As part of the 2018 groundwater investigation, three bedrock monitoring wells (MW-07, MW-08, and MW-09) were installed between June 11 and 20, 2018 by Nothnagle Drilling. Each location was first drilled via hollow-stem auger until the top of bedrock was encountered, and representative soil samples were collected.

Upon reaching the overburden-bedrock interface, a permanent 4-inch steel casing was installed approximately two feet into the top of bedrock at each location and sealed with grout. Once the casing was sealed and the grout had been allowed to cure for 24 hours, an HQ-sized core barrel was used to core approximately 10 feet into the bedrock. The recovered cores were logged, described, and photographed. Rock Quality Designation

(RQD) values for each of the core runs ranged from 51 to 75 percent, and generally indicated a rock mass quality of fair. Each well was constructed with 2-inch-diameter, 10-foot-long schedule 40 PVC 10-slot well screen and 2-inch diameter schedule 40 PVC riser rather than being left open hole.

Following installation, the annular space around the well screen was backfilled with filter sand to two feet above the top of the screened interval. A bentonite seal was placed above the filter sand. The bentonite was hydrated prior to the placement of grout above it. Each well was completed with a flush-mount protective cover. Rock and soil drill cuttings were containerized in New York State Department of Transportation (NYSDOT) 55-gallon steel drums for further characterization and disposal. A monitoring well construction log and core log for each of the monitoring wells is provided in **Appendix A**.

Following installation, each well was developed to remove material that may have settled in and around the well screen. Development consisted of the removal of ten well volumes or achieving a turbidity reading of 50 Nephelometric Turbidity Units (NTUs), or less. Development was completed using a peristaltic pump and dedicated HDPE tubing. Development water was containerized in NYSDOT 55-gallon steel drums for further characterization and disposal. The wells were allowed to recover from development prior to sampling.

MW-07, MW-08, and MW-09 were sampled on July 12, 2018. The depth to groundwater was measured to the nearest 0.01-foot in each monitoring well with an electronic water level meter prior to sampling. Monitoring wells were then sampled using low flow sampling techniques. Groundwater in each monitoring well was purged prior to sampling using a peristaltic pump and dedicated HDPE sample tubing. Water quality parameters were monitored at five-minute intervals until stabilization criteria were determined to have been met. The stabilization criteria used are as follows:

- Temperature (+/-) 1 degree Celsius
- Specific conductance (+/-) 3 percent
- pH (+/-) 0.1 pH units
- Dissolved oxygen (+/-) 10 percent
- Turbidity (+/-) 10 percent

Water quality parameter measurements and field observations during sampling are recorded on groundwater sampling forms provided in **Appendix B**. Groundwater samples were collected directly from dedicated sample tubing into laboratory-supplied sample bottles. For QA/QC purposes, a field blank, a trip blank, a field duplicate sample, and a matrix spike/matrix spike duplicate pair sample were collected. The samples were submitted to SGS North America, Inc., for analysis of TCL VOCs using EPA Method 8260C.

2.7 SVI Investigation, Mitigation, and Remedial Activities

2.7.1 SVI Investigation Procedures

SVI investigation activities were completed in accordance with the NYSDOH SVI Guidance (NYSDOH 2006) and in accordance with the NYSDEC approved work scopes. Except as noted otherwise, SVI sampling completed as part of the RI was generally consistent with the procedures outlined in this section.

2.7.1.1 SVI Sample Types

SVI was evaluated at the Site and other buildings in the vicinity through the collection of SSSV samples, indoor air samples, and outdoor (ambient) air samples. In addition, QA/QC samples including SSSV field duplicate samples, duplicate (or “co-located”) indoor air samples, and trip blank samples were collected at select locations.

2.7.1.2 SVI Survey

Prior to the collection of SVI samples, an indoor air survey form was completed for each resident or occupant of a property. Completed survey forms for each sampling event are provided in **Appendix C**.

2.7.1.3 SSSV Point Installation

In order to facilitate SSSV sample collection, one temporary SSSV point was installed beneath the basement floor or slab on grade of each building. These were in addition to the three total SSSV points within two of the buildings that had been installed during previous investigations. Prior to drilling, locations were selected to be away from cracks or openings in the floor, and away from sub-slab utilities (water and gas lines). Sub-slab utilities were located by visually tracing their entry into the building to the points of service and talking with the residents. The temporary SSSV points were then installed by drilling a hole (typically 3/8" diameter) into the building's concrete slab, inserting inert food-grade sample tubing into the hole, sealing the tubing to the slab with Permagum, and then purging the tubing of indoor air. A tracer gas test was then completed, which consisted of verifying the integrity of the seal prior to sample collection using tracer helium gas. The tracer gas test consisted of placing an enclosure (i.e., a plastic pail) over the sub-slab vapor point and enriching the atmosphere within the enclosure with helium gas. After the atmosphere within the enclosure had been enriched, a helium detector was attached to the sample tubing to verify the concentration of the tracer gas beneath the slab was less than 10 percent, indicating an adequate seal.

2.7.1.4 SVI Sampling

SVI samples were collected in pre-evacuated, certified clean, 6-liter Summa canisters equipped with laboratory-calibrated, constant-differential, low volume flow controllers. A vacuum gauge was used to check both the initial and final vacuum in the canisters. Where possible, indoor air and outdoor air samples were positioned at approximately 3 to 5 feet above the slab (breathing zone) and were collected within the same 24-hour sampling interval as corresponding SSSV samples for consistency. SVI samples were submitted to a subcontracted analytical laboratory for analysis of VOCs using modified EPA Method TO-15. Field data collected during air sampling for each sampling event is included in **Appendix C**.

2.7.2 SVI Investigation/Mitigation Activities – 2014 Phase I RI

2.7.2.1 SVI Sampling Activities

The following is a summary of SVI investigation activities completed in 2014 at the Time 1-Hour Cleaners Site and nearby properties. SVI samples, including SSSV and indoor air samples, are depicted on **Figure 4** and **Figures 6A and 6B**.

The SVI activities related to the Phase I RI included re-sampling of the 2526 Pine Avenue and the 2532 Pine Avenue building, which was completed in March 2014 during the 2013 – 2014 heating season. This was a slight deviation from the original RI work plan, which proposed the collection of SVI samples from five buildings; however, due to issues with obtaining property access, only the two properties (2526 and 2532) were sampled.

The following samples (in addition to a trip blank sample) were collected on March 27, 2014 by OBG:

May 2014 SVI Sampling Summary			
Location	Sub-Slab	Indoor Air	Outdoor (Ambient)
2526 Pine Ave	2859E-SS (first floor)	2859E-IA (first floor) IAD-032614 (duplicate)	AA-32614 (Upwind Ambient Air*)

2532 Pine Ave	286SE-SS (basement)	286SE-IA (basement)	
*Ambient air sample collected between the 2526 and 2532 Pine Avenue buildings			

Samples were collected using the procedures outlined in Section 2.7.1.

The 2532 Pine Avenue building contains a partial slab basement that is generally unoccupied, a dental business at the first floor level and living space on the second floor that was occupied at the time of sampling. The sub-slab sample and the indoor air (IA) sample were collected in the basement of the dentist's office. Water was pulled into the sample tubing during sub-slab air sampling, which plugged the tubing and prevented a complete air sample from being collected.

2.7.2.2 Mitigation Activities

On March 21, 2014, following the Phase I RI SVI sample collection activities, OBG assessed the performance of the SSDS at Time 1-Hour Cleaners to evaluate its effectiveness. The performance of the system was assessed with respect to its prior commissioned performance, as well as a visual inspection of the structure and system's installation, both indoor and outdoor. Copies of completed field forms used for the inspection are included in **Appendix C**. These forms define structure and system checks that were conducted during the inspection. In general, items inspected included:

- Structure – Checking for changes in the structure that could affect the system's performance.
- Fan and Electrical – Recording fan inlet and suction point vacuums and comparison with the prior commissioned vacuums; inspections of electrical connections, when accessible.
- Piping, Slab and Wall – Inspecting piping supports, connections, and exhaust stack; checking for visible new cracks in walls and floors.
- Crawlspace – Checking the sealing of membrane installations in crawlspaces (if applicable); measuring ventilation rates and comparing to design rates (if applicable).

It is assumed that the strength of the system (i.e., induced vacuum) would not change so long as the suction point vacuums remain the same as they were during the prior commissioning, which is either the initial commissioning or the latest re-commissioning. Therefore, system vacuums were compared to vacuums recorded during the initial commissioning. There was no difference in suction point vacuums between the installation (initial commissioning) and the inspection conducted on March 25, 2014.

In addition to the system inspection and prior to collection of indoor air samples, OBG conducted communication testing to evaluate the ability of the system to induce a vacuum under the slab. To the extent possible, due to stored items or changes in the building layout, OBG conducted communication testing at communication test points utilized during the system's initial commissioning. Five of the communication test points were located for the inspection. Communication test results from these five test points ranged from -0.038 inches w.c. to -0.189 inches w.c.. OBG, along with NYSDEC, has established -0.004 inches w.c. as an acceptable result for other vapor intrusion sites in New York.

Based upon the results of the March 25, 2014 inspection, the mitigation system at Time 1-Hour Cleaners appeared to be inducing a vacuum under the slab and operating in the same manner as it was following installation. As a result, the indoor air concentrations of PCE observed inside Time 1-Hour Cleaners from the March 2014 sampling data were attributed to the inventory of dry cleaned clothes maintained within the facility, not vapor intrusion. Sub-slab sample results for PCE from the March 2014 were observed to be lower than the previous sampling event, which was attributable to the operation of the SSDS.

2.7.3 SVI Investigation/Mitigation Activities – 2015

2.7.3.1 SVI Sampling Activities

Upon review of the 2014 SVI sample results and evaluation of the SSDS unit at 2526 Pine Avenue, NYSDEC requested that additional SVI-related activities be completed. Specifically, NYSDEC requested the following:

- **2526 Pine Avenue:** NYSDEC requested an analysis to determine if the exhaust from the SSDS units installed at 2526 Pine Avenue were affecting indoor air concentrations of neighboring properties.
- **2532 Pine Avenue:** NYSDEC requested the collection of additional sub-slab soil vapor, basement indoor air, first floor indoor air, and second floor indoor air samples.

To fulfill these requirements, sampling activities were completed in April and September, 2015.

In April 2015, OBG collected one indoor air sample in the basement and one indoor air sample on the first floor as well as one outdoor air sample at the 2532 Pine Avenue property.

April 2015 SVI Sampling Summary			
Location	Sub-Slab	Indoor Air	Outdoor (Ambient)
2532 Pine Ave	No sub-slab samples collected	2865E-IA & DUP (basement) 2865E-FF (first floor)	2865E-AA-01 (Upwind Ambient Air*)
*Ambient air sample collected from the green space between the 2526 and 2532 Pine Avenue buildings			

In September 2015, OBG collected two outdoor air samples from two exhaust outlets associated with the SSDS system installed at the 2526 Pine Avenue property, which are situated on the east side of the building. Additional SVI sample collection requested by NYSDEC for 2532 Pine Avenue was also completed in September 2015. The following SVI samples (in addition to a trip blank sample) were collected on September 11, 2015 by OBG:

September 2015 SVI Sampling Summary			
Location	Sub-Slab	Indoor Air	Outdoor (Ambient)
2526 Pine Ave	No sub-slab samples collected	No indoor air sample collected	2526-MS-01 (north system exhaust) 2526-MS-02 (south system exhaust)
2532 Pine Ave	No sub-slab samples collected	2865E-IA-02 & DUP (basement - near sump) 2865E-IA-01 (first floor – garage) 2865E-IA-03 (first floor – office) 2865E-IA-05 (first floor – garage)	2865E-AA-01 (Upwind Ambient Air*) 2865E-OA-01 (near garage) 2865E-OA-02 (second floor balcony) 2865E-OA-03 (near furnace intake)

September 2015 SVI Sampling Summary			
Location	Sub-Slab	Indoor Air	Outdoor (Ambient)
		2865E-IA-04 (second floor – landing)	
*Ambient air sample collected the green space between the 2526 and 2532 Pine Avenue buildings			

The collection of two SSSV samples were proposed to be collected during the September 2015 sample event; however, water was encountered during sample probe installation and SSSV samples could not be collected.

2.7.3.2 Exterior Soil Vapor Point Sampling

Based on the results of previous RI activities in which PCE and related VOCs were detected in soil, soil vapor, and indoor air, exterior soil vapor sampling was completed along the Pine Avenue ROW to investigate whether or not the soil vapor results observed at 2526 and 2532 Pine Avenue were related to the fill applied around the sewer lines that enter the buildings. As part of this investigation, a total of nine exterior soil vapor points (denoted SVP-1 through SVP-9) were installed July 2015 in the sidewalk along Pine Avenue. Locations are shown in Figure 4.

Prior to installation, each location was cleared with a hand auger to a depth of 5 feet bgs or until utility backfill material was encountered. Each soil vapor point was then installed using direct-push methods to depths ranging from 2.8 to 4.5 feet bgs, based on subsequent identification of utility depths. Each soil vapor point was constructed with 6-inch steel mesh implants fitted with 0.25-inch Teflon tubing, and the annulus was backfilled with glass beads or sand around the steel mesh screen, followed by bentonite backfill to just below the ground surface, which was completed with a road box protected with a flush mount cover.

Following installation, soil vapor samples were collected from each location using pre-evacuated, certified clean, 6-liter Summa canisters equipped with laboratory-calibrated, constant-differential, low volume flow controllers. A vacuum gauge was used to check both the initial and final vacuum in the canisters. Soil vapor samples were collected in four-hour durations and were submitted to a subcontracted analytical laboratory for analysis of VOCs using modified EPA Method TO-15, in addition to methyl tert butyl ether (MTBE) and tert butyl alcohol (TBA).

2.7.3.3 SVI Mitigation Activities – 2532 Pine Avenue

A draft memorandum of the 2015 SVI sampling activities and results was submitted to NYSDEC and NYSDOH on November 12, 2015. Upon review and internal discussion of the 2015 and prior results, NYSDEC utilized their call out contractor (GES) to perform the following activities:

- Seal the sump in the basement of 2532 Pine Avenue building
- Install three Air Purifying Units (APUs) in the 2532 Pine Avenue building
- Seal the pit located in the room next to the garage of the 2532 Pine Avenue building

2.7.4 SVI Investigation/Mitigation Activities – 2016 Follow-Up Activities

Follow-up SVI mitigation was completed after the installations/activities outlined above in Section 2.7.3.3. Additional APUs were installed in the basement, first floor, and second floor of the 2532 Pine Avenue building as part of this effort.

2.7.4.1 SVI Investigation/Mitigation Activities – 2532 Pine Avenue March 2016

In March 2016, OBG collected the following samples from the 2532 Pine Avenue building to further assess if the mitigation activities completed had resulted in a reduction in soil vapor and indoor air concentration:

March 2016 SVI Sampling Summary			
Location	Sub-Slab	Indoor Air	Outdoor (Ambient)
2532 Pine Ave	2865E-SS-01 (first floor – garage)	2865E-IA-01 (basement) 2865E-IA-03 (first floor – office) 2865E-IA-04 (second floor – landing)	2865E-AA-01 (Upwind Ambient Air*) 2865E-OA-03 & duplicate (near furnace intake)
*Ambient air sample collected from the green space between the 2526 and 2532 Pine Avenue buildings			

2.7.4.2 SVI Investigation/Mitigation Activities – 2532 Pine Avenue August-November 2016

Following receipt of the March 2016 SVI data completed at 2532 Pine Avenue, two additional sampling events were completed in August 2016 and November 2016, as follows:

August 2016 SVI Sampling Summary			
Location	Sub-Slab	Indoor Air	Outdoor (Ambient)
2532 Pine Ave	2865E-SS-01 (First floor – garage)	2865E-IA-01 (basement) 2865E-IA-03 (first floor – office) 2865E-IA-04 (second floor – landing)	2865E-AA-01 (Upwind Ambient Air*) 2865E-OA-03 & duplicate (near furnace intake)
*Ambient air sample collected from the green space between the 2526 and 2532 Pine Avenue buildings			

November 2016 SVI Sampling Summary			
Location	Sub-Slab	Indoor Air	Outdoor (Ambient)
2532 Pine Ave	No sub-slab samples collected	2865E-IA-01 & duplicate (basement) 2865E-IA-03 (first floor – office) 2865E-IA-04 (second floor – landing) 2865E-IA (second floor – bedroom) 2865E-IA-07 (second floor – living room)	2865E-AA-01 (Upwind Ambient Air*) 2865E-OA (near furnace intake) 2865E-OA-02 (second story balcony)

		2865E-IA-05 (second floor – third room)	
*Ambient air sample collected from the green space between the 2526 and 2532 Pine Avenue buildings			

2.7.5 SVI Investigation/Mitigation Activities – 2017 Follow-up Activities

2.7.5.1 SVI Investigation Activities – 2526 Pine Avenue and Building 3

Based on the results of the previous field investigation activities, follow-up sampling was completed at the 2526 Pine Avenue property building to further assess the effectiveness of the SSDS system. In addition, SVI sampling was deemed necessary at an additional property (Building 3) to evaluate potential vapor intrusion.

The following SVI samples were collected in March 2017 by OBG:

March 2017 SVI Sampling Summary			
Location	Sub-Slab	Indoor Air	Outdoor (Ambient)
2526 Pine Ave (Time 1-Hour Cleaners)	No sub-slab samples collected	2859E-IA-01 (first floor – Retail Area) 2859E-IA-02 & duplicate (first floor – storage area)	2935E-AA (Upwind Ambient Air*)
Building 3	2935E-SS-01 (first floor - storage room) 2935E-SS-02 (first floor – office)	2935E-IA-01 (first floor - storage room) 2935E-IA-02 (first floor - office) 2935E-IA-03 (second floor - bedroom)	
*Ambient air sample collected from the green space between the 2526 and 2532 Pine Avenue buildings			

2.7.5.2 SVI Mitigation Activities – 2532 Pine Avenue and Building 3

Based on the SVI results collected from 2532 Pine Avenue, it was determined that a sump pit ventilation system was required. The sump pit ventilation system was installed in the basement of the 2532 Pine Avenue building in June 2017.

Based on the SVI results collected from Building 3, it was determined that mitigation of PCE and related constituents was necessary. Therefore, an SSDS was installed at this property in June 2018.

2.7.6 SVI Investigation/Mitigation Activities – 2018 Follow-up Activities

In December 2018, a round of SVI sampling was completed in the 2532 Pine Avenue building. Air samples were collected from the following areas:

- Indoor air
 - Basement
 - First-floor dental office
 - Living room of upstairs apartment
 - Bedroom of upstairs apartment

- Outdoor air collected from the lawn area, near furnace intake

2.7.7 SVI Investigation/Mitigation Activities – 2020 and 2021 Follow-up Activities

2.7.7.1 2532 Pine Avenue (December 2020)

In December 2020, a round of SVI sampling was completed at 2532 Pine Avenue. Air samples were collected from the following:

- Indoor air
 - Basement
 - First-floor dental office
 - Living room of upstairs apartment
 - Bedroom of upstairs apartment
- Outdoor air collected from the lawn area adjacent to the furnace intake and SVE System shed.

2.7.7.2 2532 Pine Avenue (April 2021)

In April 2021, a round of SVI sampling was completed at 2532 Pine Avenue. These samples were collected post-SVE system start up. Air samples were collected from the following:

- Indoor air
 - Basement
 - First-floor dental office
 - Living room of upstairs apartment
 - Bedroom of upstairs apartment
- Outdoor air collected from the lawn area adjacent to the furnace intake and SVE System shed.

2.7.8 Exterior Soil Vapor Sampling - 2018 Follow-Up Activities

Based on elevated soil vapor concentrations observed in soil vapor samples collected from 2532 Pine Avenue and Building 3, five additional exterior soil vapor points (SVP-10 through SVP-14) were installed in June 2018 within the Pine Avenue ROW to further delineate the elevated soil vapor concentrations. Two of the locations were installed in the sidewalk area directly east of the previous soil vapor points, and the remaining three locations were completed in the sidewalk across the street. Locations are shown in **Figure 4**.

Prior to installation, each location was cleared with a hand auger to a depth of five feet bgs or until utility backfill material was encountered. Each soil vapor point was then installed using direct-push methods to depths ranging from 2.8 to 4.5 feet bgs, based on subsequent identification of utility depths. Each soil vapor point was constructed with 6-inch steel mesh implants fitted with 0.25-inch Teflon tubing, and the annulus was backfilled with glass beads or sand around the steel mesh screen, followed by bentonite backfill to just below the ground surface, which was completed with a road box protected with a flush mount cover.

Following installation, soil vapor samples were collected from each location using pre-evacuated, certified clean, 6-liter Summa canisters equipped with laboratory-calibrated, constant-differential, low volume flow controllers. A vacuum gauge was used to check both the initial and final vacuum in the canisters. Soil vapor samples were collected in four-hour durations and were submitted to a subcontracted analytical laboratory for analysis of VOCs using modified EPA Method TO-15, in addition to MTBE and TBA.

2.8 Waste Management

Investigation-derived waste (IDW), including excess soils, decontamination rinsate, well development water, purge water, and personal protective equipment were placed in NYSDOT-approved 55-gallon drums. The IDW was evaluated as non-hazardous based on characterization sample results and subsequently disposed of in accordance with applicable NYSDEC regulations.

In 2019, the IDW was deemed to be hazardous waste based on characterization sample results. This waste was transported from the property by Veolia on September 19, 2019 and disposed of in accordance with applicable state and federal regulations.

Waste manifests are included in **Appendix D**.

2.9 Data Validation and Reporting

All data collected as part of the RI (from 2014 on), as well as soil vapor sampling data collected during the 2012 Soil Vapor Intrusion Investigation (GES 2012a) have been validated. Data validation was performed in accordance with USEPA Region II standard operating procedures for organic and inorganic data review. These validation guidelines are regional modifications to the National Functional Guidelines for organic and inorganic data review (USEPA 1999, USEPA 2010). Validation included the following:

- Verification of 100 percent of all QC sample results (both qualitative and quantitative)
- Verification of the identification of 100 percent of all sample results (both positive hits and non-detects)
- Recalculation of 10 percent of all investigative sample results
- Preparation of a Data Usability Study Report (DUSR)

The quality of the data has been assessed and is documented in the DUSRs (**Appendix E**). Validated data have been submitted for loading into the NYSDEC Environmental Information Management System database.

SECTION 3 - REMEDIAL INVESTIGATION RESULTS

This section summarizes the results specific to the Remedial Investigation conducted between 2012 and 2021.

3.1 Geology and Physical Setting

3.1.1 Geologic Setting

The Time 1-Hour Cleaners Site, located in Niagara Falls, Niagara County, New York, is in an area where Late Silurian bedrock underlies post-Wisconsin glacial lacustrine deposits consisting of silt and clay and resides in the Erie-Ontario Lowlands physiographic province.

The City of Niagara Falls, within the Erie-Ontario Lowlands, is encompassed by the Niagara River/Lake Erie Watershed and sits at approximately 600 feet above mean sea level. The topography surrounding the City of Niagara Falls is dictated by cuesta-form landscapes, illustrated by the east-west striking Niagara and Onondaga escarpments to the north and south, respectively.

Lithology of cores collected during drilling operations in 2018 were typically vuggy and/or fossiliferous dolomite wackestone, becoming increasingly grain-supported at depth.

Bedrock encountered at the Site consisted of Lockport Group dolomite from the Goat Island and Gas Port Formations. The dolostone that primarily makes up the Lockport Group was formed in a shallow marine environment in the Silurian sea where calcareous sediments accumulated to form limestone. The Lockport Dolostone is a by-product of post-depositional alteration of this limestone by magnesium-rich groundwater. Favorable conditions for life are indicated by the abundance of marine fossils present in the rock, such as stromatoporoids and hermatypic corals. The formation is named after Lockport, New York, where it outcrops at the surface approximately 17.5 miles to the east. The Lockport dolostone is resistant to weathering and makes up the caprock of the Niagara Escarpment to the north and is at the top of the stratigraphic section of the famous Niagara Falls.

Surficial features within the region were influenced primarily by episodes of glaciation that ceased 12 thousand years before the present day. Retreat of the Wisconsin ice sheet resulted in the deposition of glacial till, glaciofluvial and glaciolacustrine sediments, and uncovered large glacial lakes. Lake Iroquois, its beaches reaching southwest into Lockport, is the precursor to what is now Lake Ontario, and Lake Tonawanda covered the land later occupied by current-day Niagara Falls, New York. The Tonawanda basin is an extensive bed of silt and clay that overlies clay deposits from glacial Lake Lundy.

3.1.2 Site Hydrogeology

Site soils are characteristic of glacial deposits and consist primarily of a boulder clay-type basal till. Across the Site, between 1.5 and 2.5 feet of fill covers the area. Beneath the fill, there is approximately 5 to 12 feet of silty clay with a few lenses of clay or silt. In the northern portion of the Site, silty sand, silt, or sand overlies bedrock whereas south of the Site, a sandy till or clay generally overlies bedrock. Soil borings installed in 2014 and 2018 indicate an average overburden thickness of 15 feet. Soils of this type are generally low permeability and lack the ability to transmit water, which is corroborated by the absence of a consistently observed saturated zone. Geologic cross sections are presented in **Figures 7, 8, and 9**.

Perched water exists locally under the 2532 Pine Avenue building, and groundwater flows through fractured intervals within the bedrock formations underlying the Site. Groundwater contours are included as **Figure 10**.

Groundwater is present between 17 and 18 feet bgs at the Site. The hydraulic gradient in the vicinity of the Site is relatively flat, and indicates flow toward the south or southwest.

3.2 Soil Investigation Results

The purpose of the 2014 Phase I RI subsurface soils investigation was to identify the horizontal and vertical extent of soil contamination. This included the installation of seven soil borings (SB-06, SB-07, SB-09, MW-02, MW-04, MW-05, and MW-06). A supplemental RI was conducted in 2018 to further locate and define PCE at the Site, during which five additional subsurface soil borings were drilled (SB-10, SB-11, MW-07, MW-08, and MW-09). The locations of the 2014 Phase I RI and 2018 supplemental RI soil borings are shown on **Figure 4**.

Representative soil samples were collected and submitted for laboratory analysis from each boring location as described in Section 2.4 with the following exceptions:

- MW-08, in which soil samples were collected and shipped to the laboratory, but were lost in transit
- Boring SB-11, where a soil sample was collected from each 6-inch interval below concrete
- Borings MW-05 and MW-06, where impacts were not observed visually or by headspace readings; only one sample was collected from near or at the bottom of each boring

Soil boring laboratory results from 2014 and 2018 are presented in **Tables 3A** and **3B**, respectively, and are presented spatially on **Figure 5**. Soil analytical results were compared to New York Codes, Rules, and Regulations (6 NYCRR Part 375) Unrestricted-Use, Residential-Use, and Protection of Groundwater SCOs (referred to collectively as “criteria”) where a criterion exists for detected analytes (NYSDEC 2006).

3.2.1 Inorganics

Metals were detected above criteria in samples collected from the site, specifically, cadmium, lead, mercury, nickel, and zinc. To the northwest of the Site, the samples from SB-06 and SB-07 exceeded the criterion for zinc from the sample depth of 17 to 19 feet (SB-06) and 15 to 17 feet (SB-07). At these locations, samples from 11 to 13 feet deep were below the criteria. On-site surface soil samples, collected from ground surface to 0.5 feet deep, SS-02 and SS-03 also exceeded the criterion for zinc. At SS-02 and SS-03, cadmium, lead, and mercury were also found to exceed criteria; nickel also exceeded criteria at SS-03. Boring location MW-04 north of the Site found zinc above the criterion in the duplicate sample from 11 to 13 feet (but not the original sample) and in the sample from the 15 to 17-foot-depth.

East of the Site, on the 2532 Pine Avenue property, two soil borings were completed. At MW-02, the sample from the 5 to 7-foot-depth was below the criterion for zinc, while the sample from the 15 to 17-foot-depth was found above the criterion. At MW-07 the sample from 11.5 to 12.0 feet bgs was above criterion for zinc. In the soil vapor samples from beneath the building at 2532 Pine Avenue, the southernmost sample (SVE-01) from 0 to 1 feet bgs did not have any exceedances. From beneath the southeast corner of the building, passive injection (PVE)-01, PVE-02 (north of PVE-01), and SVE-02 (north of SVE-01), each were sampled 2 to 3 feet bgs and found only nickel above criteria in each sample.

North of the 2532 Pine Avenue property, soil from boring SB-09 at 5 to 7-foot-depth was below criteria while the sample from 15 to 16.3-foot-depth was above the criterion for zinc.

Northeast of the Site and northeast of the 2532 Pine Avenue property, MW-05 was above criterion for zinc in the sample collected from the 11 to 13-foot-depth interval.

South of the Site, across Pine Avenue, the criterion for zinc was exceeded at MW-06 in the sample from the 15 to 17-foot-depth. Further to the south at MW-09, zinc was below criteria at the 14.5 to 15.5-foot-depth, but nickel was found above the criterion here.

3.2.2 Pesticides and PCBs

PCBs were detected in only one soil sample and the detection was an exceedance of the criteria. SS-03 is on-site north of the building on the east side of the Site, and the detection was in the 0 to 0.5-foot-depth interval.

Pesticides were identified over screening criteria in only a few locations. On-site surface (0 to 0.5 feet) soil samples SS-01, SS-02, and SS-03 each had p,p'-DDE and p,p'-DDT over the screening criteria; the duplicate sample at SS-02 did not exceed for p,p'-DDE. Additionally, p,p'-DDD exceeded criteria at SS-03.

The only other soil sample to exceed criteria was SB-11, on the 2532 Pine Avenue property beneath the building, where p,p'-DDD was found from 1.5 to 2.0 feet below the basement floor. No pesticides were detected in either the sample above (0.5 to 1.5 feet) or in the two samples below (2.0 to 2.5 feet and 3 feet to 4 feet) this depth at SB-11.

3.2.3 Semivolatiles

SVOCs were only detected above the criteria in one soil sample: the surface soil sample collected from SS-03 from 0 to 0.5 feet below the ground surface. Both benzo(b)fluoranthene and indeno(1,2,3-c,d)pyrene were found over the screening criteria. SS-03 is on the Site property, north of the building on the east side of the property.

3.2.4 Volatiles

Volatiles were detected in multiple samples collected across the Site, specifically PCE, DCE, TCE, vinyl chloride, trans-1,2-dichloroethene, and acetone. The locations and depths of where these detections exceeded the criteria are summarized herein.

While PCE was identified in on-site soils (SS-01, SS-02, and SS-03), soil samples collected northwest of the Site (SB-06 and SB-07) did not identify any VOCs above the screening criteria.

Each of the three on-site surface soils (0 to 0.5 feet) collected exceeded the criterion for PCE, however the duplicate sample for SS-02 did not exceed.

Just north of the Site, DCE and vinyl chloride were detected in the sample from MW-04 above criteria in the sample from 11 to 13 feet (but not in the duplicate sample from this depth) and the 15 to 17-foot-depth at this location did not find any volatiles over screening criteria.

On the adjacent property (2532 Pine Avenue) north of the building, PCE, TCE, and DCE were found above criteria in samples from 5 to 7 feet and 15 to 17 feet at MW-02. East of MW-02, only PCE was identified above criteria at MW-07.

Beneath the center of the building at 2532 Pine Avenue, PCE and TCE were found at SB-11 at each sample depth (0.5 to 1.5 feet, 1.5 to 2 feet, 2 to 2.5 feet, and 3 to 4 feet) and DCE exceeded criteria in each sample except for the deepest (3 to 4 feet).

Beneath the west side of the building, the sample from SVE-03 identified PCE, TCE, and DCE above criteria.

Beneath the east side of the building PCE, TCE, DCE, vinyl chloride, and trans-1,2-dichloroethene were found in PVE-02 above criteria in a sample from 2 to 3 feet below the concrete basement floor. The duplicate of this sample did not find trans-1,2-dichloroethene above criteria.

To the west and south of PVE-02, acetone and DCE were found above screening criteria in SVE-02 at the 2 to 3-foot depth.

The two southern most sample locations within the building, PVE-01 (2 to 3 feet) and SVE-01 (0 to 1 feet) did not identify any VOCs above criteria.

Outside the west side of the building at 2532 Pine Avenue, PCE was identified above criteria in the sample between 9 and 10 feet below ground surface in SB-10.

3.3 Groundwater Investigation Results

The purpose of the Phase I RI groundwater investigation was to identify the horizontal extent of groundwater contamination (if present) and groundwater flow direction in local overburden soil.

During the Phase I RI drilling, groundwater was not observed in overburden borings that were advanced to refusal depth (i.e., suspected bedrock). Therefore, an additional groundwater investigation was completed in 2018 as part of the supplemental RI to locate groundwater in the bedrock aquifer located beneath the Site, install permanent groundwater wells, and collect representative groundwater samples to characterize any potential impacts to groundwater from the PCE-impacts observed in soil.

3.3.1 Monitoring Well Installation and Sampling

Three bedrock monitoring wells (MW-07, MW-08, and MW-09) were installed during the 2018 supplemental RI groundwater investigation. As discussed in Section 2.4.1, each location was first drilled using hollow-stem augers and continuously sampled via split spoon sampler until refusal, at which point 4-inch casing was grouted two feet into the top of bedrock. Once the grout had been allowed to cure for 24-hours, HQ tooling was used to core 10 feet into bedrock. Monitoring wells were constructed with ten feet of 2-inch diameter schedule 40 PVC, .010-slot well screen, and 2-inch diameter schedule 40 PVC riser. A monitoring well construction log and core log for each of monitoring wells is provided in **Appendix A**.

Monitoring wells were installed, developed, and sampled using the methods and procedures described in **Section 2.6**. Groundwater sampling results are presented in **Table 4** and **Figure 10**. Each monitoring well was surveyed by a licensed Surveyor, Fischer Associates, in July 2018. Well location and elevation data are shown in **Table 5**, and were used to generate the cross-sections shown on **Figure 8**.

3.3.2 Groundwater Results

3.3.2.1 Inorganics

Magnesium and sodium were identified in each of the water samples exceeding criteria (NYSDEC Class GA Ambient Water Quality Standards [AWQS], NYSDEC 1998). The AWQS for magnesium is 300 micrograms per liter (ug/L) and the AWQS for sodium is 20,000 ug/L.

The highest concentration of magnesium was found at SB-11 (701,000 ug/L) beneath the building at 2532 Pine Avenue. Magnesium concentrations at the other three locations (MW-07, MW-08, and MW-09) were between 55,800 ug/L and 92,300 ug/L.

Sodium was the highest concentration at MW-07, north of 2532 Pine Avenue (186,000 ug/L). The three other locations were between 74,200 ug/L and 158,000 ug/L.

Other metals exceeding the AWQS at SB-11 included barium, beryllium, total chromium, copper, lead, nickel, silver, and zinc. Iron was above the AWQS at SB-11, MW-09, and MW-07. Manganese exceeded the AWQS at both SB-11 and MW-09.

3.3.2.2 Pesticides and Semivolatile Organics

One pesticide was detected in the groundwater samples. Endrin aldehyde was found in SB-11 below the AWQS. Several SVOCs were detected in SB-11, including 1,4-dioxane (0.215 ug/L), which was also detected in MW-07 (0.0784 ug/L), MW-08 (0.0632 ug/L), and MW-09 (0.0877 ug/L). All SVOCs were below the AWQS.

3.3.2.3 Volatile Organics

The VOCs detected in groundwater were chlorinated solvents and are focused in the area of 2532 Pine Avenue. PCE, the focus of the investigation, was found at 35,500 ug/L at SB-11 in the basement of the 2532 Pine Avenue building but was not detected to the north on the same property at MW-07 and was just over the AWQS of 5 ug/L at MW-08 (5.5 ug/L), to the southeast close to Pine Avenue.

Daughter products of PCE were also found above the AWQS at SB-11 (TCE and DCE) as well as trans-1,2-dichloroethene. To the north at MW-07 where PCE was not found, daughter products of PCE, DCE, and vinyl chloride were found greater than the AWQS. To the southeast at MW-08, PCE and daughter products of PCE (TCE, DCE, and vinyl chloride) were found at greater concentrations than the AWQS.

At MW-07 and MW-08, lower (or not detected) concentration of PCE with higher daughter product concentrations may be indicative of natural attenuation of PCE away from the presumed source area at 2532 Pine Avenue. The dominant chlorinated compound at SB-11 is PCE while at MW-07 and MW-08, the dominant chlorinated compound is DCE.

Across Pine Avenue at MW-09 PCE was 149 ug/L possibly suggesting an additional source for chlorinated solvents in groundwater. At MW-09, PCE, TCE, DCE, and vinyl chloride all exceeded the AWQS as well as 1,2-dichloroethane. At this location, PCE and daughter products appear to be relatively balanced.

3.3.2.4 PFAS

PFAS compounds were analyzed in groundwater samples from SB-11, MW-07, MW-08, and MW-09. While several compounds were detected, only perfluorooctanoic acid (PFOA) exceeded the comparison value of 10 parts per trillion (ppt) at 10.5 ppt in the sample from MW-09. None of the samples exceeded the USEPA Health Advisory Limit of 70 ppt for combined PFOA and perfluorooctanesulfonic acid (PFOS).

3.4 Perched Water Sample Investigation Results

A sample was collected from the sump inside the building at the 2532 Pine Avenue property and two sub-slab water samples were collected from beneath the basement floor. **Figure 10** shows the locations of the samples, and **Table 6** presents the sampling analytical results.

Both samples were analyzed for VOCs only. The sump sample showed PCE, TCE, and DCE above AWQS. The sub-slab water sample only exceeded the AWQS for acetone, which may be an artifact of laboratory analysis.

While installing soil boring SB-11, located in the basement of the 2532 Pine Avenue building, standing water was noted to be present within the borehole. It is not currently believed that the water encountered was groundwater, but rather a perched layer of surficial and roof-drain runoff. Upon completing SB-11 to a depth of 4 feet, a 2-inch schedule 40 PVC 10-slot screen was installed in the borehole location. Water was purged prior to sampling using a peristaltic pump and dedicated HDPE sample tubing. Water samples were collected directly from dedicated sample tubing into laboratory-supplied sample bottles. For QA/QC purposes, a field blank and equipment blank were also collected. The samples were placed into appropriate laboratory-provided containers and were submitted to an ELAP-certified laboratory (SGS North America, Inc.) for analysis. Location of the temporary well is shown on **Figure 10**. Analytical results are shown in **Table 4**.

3.5 Soil Vapor Intrusion Investigation Results

Soil vapor intrusion monitoring was conducted at three buildings over several years, as summarized in the following matrix.

Year	Month	2526 Pine Avenue	2532 Pine Avenue	Building 3
2014	March	x	X	--
2015	April	--	X	--
	September	X	X	--
2016	March	--	X	--
	August	--	X	--
	November	--	X	--
2017	March	X	--	X
2018	December	--	X	--
2020	December	-	X	-
2021	April	-	X	-

In addition, soil vapor samples were collected from points installed along the sidewalk on Pine Avenue in July 2015 and July 2018.

Analytical results of the soil vapor samples were compared against the NYSDOH decision matrices presented in the "NYSDOH Guidance for Evaluating Soil Vapor Intrusion in the State of New York," October 2006 (NYSDOH SVI Guidance) and its associated indoor air decision matrices tables which were updated in May 2017.

Soil vapor data are presented in **Tables 7A, 7B, 7C** and **Table 8**.

3.5.1 Soil Vapor Intrusion Impacts 2526 Pine Avenue

During the March 2014 soil vapor intrusion sampling event at 2526 Pine Avenue, three samples were collected:

- one from sub-slab
- one from indoor air on the first floor (with duplicate)
- one from ambient air outside of the building

Figure 4 shows the sampling locations and **Table 7A** and **Figure 6A** present the soil vapor sampling analytical results. Each of the soil vapor samples were analyzed for VOCs.

The sub-slab sample did not find any analytes exceeding criteria but did detect PCE and TCE. The sample from indoor air on the first floor exceeded the NYSDOH criteria for PCE and TCE and other compounds were below the analytical detection limits. The outdoor ambient air sample contained PCE, methylene chloride, and carbon tetrachloride at low levels suggesting that indoor air impacts were not influenced by outdoor air.

In September 2015 two samples were collected from the exhaust from the sub-slab system installed at the 2526 Pine Avenue property. Results from the exhaust are not applicable to indoor air criteria. The results indicate that the SSDS is successfully removing vapors from the building.

In March 2017 air samples were collected from:

- first floor retail area
- first floor storage area (along with a duplicate sample)
- ambient upwind outdoor air

Both of the indoor air samples (as well as the duplicate sample) found PCE and TCE exceeding criteria and identified carbon tetrachloride and methylene chloride above the analytical detection limits. The outdoor ambient air sample collected upwind had detections of carbon tetrachloride and methylene chloride at low levels.

3.5.2 Soil Vapor Intrusion Impacts 2532 Pine Avenue

3.5.2.1 March 2014 Sample Event

During the March 2014 soil vapor intrusion sampling event at 2532 Pine Avenue, three samples plus a duplicate sample were collected:

- one from sub-slab
- one from indoor air in the basement (plus a duplicate sample)
- one from ambient air outside of the building

Figure 4 shows the sampling locations and **Table 7B** and **Figure 6B** present the soil vapor sampling analytical results. Each of the soil vapor samples were analyzed for VOCs.

The sub-slab sample identified PCE and vinyl chloride exceeding the mitigate criteria and identified TCE, DCE, and methylene chloride below criteria.

The indoor air sample (and its duplicate sample) collected from the basement of the building found PCE, TCE, and DCE exceeding the mitigate criteria. Vinyl chloride and carbon tetrachloride were also detected but were below criteria.

The ambient air sample collected outside the building contained PCE, methylene chloride, and carbon tetrachloride at low levels slightly above the analytical detection limits.

3.5.2.2 April and September 2015 Sample Events

In April 2015:

- an indoor air sample was collected from the first floor in an office
- an indoor air sample was collected from the basement (along with a duplicate sample)
- an outdoor air sample was collected

The indoor air sample collected from the first-floor office found PCE and TCE above the mitigate criteria and detected DCE, vinyl chloride, methylene chloride, and carbon tetrachloride below the criteria.

The indoor air sample (and its duplicate) from the basement identified PCE, TCE, and DCE above mitigate criteria and detected vinyl chloride, methylene chloride, and carbon tetrachloride below criteria.

The outdoor air sample contained low levels of PCE, TCE, DCE, methylene chloride, and carbon tetrachloride slightly above the analytical detection limits.

In September 2015 indoor air samples were collected:

- in the basement near the utilities
- in the basement near the sump (along with a duplicate sample at this location)
- on the first floor in the garage

- in the first-floor office
- on the landing of the second floor

Additionally, four outdoor air samples were collected:

- one from near the garage
- one from the second-floor balcony
- one from near the furnace intakes
- one upwind of ambient air

Each of the indoor air samples exceeded the mitigate criteria for PCE, TCE, and DCE and the monitor criteria for carbon tetrachloride. The highest concentrations for PCE, TCE, and DCE were found in the sample from the basement near the sump while the highest carbon tetrachloride result was from the first-floor office. PCE was the dominant compound detected.

While the outdoor air samples were much lower each sample had low level detections of PCE, TCE, methylene chloride, and carbon tetrachloride. The outdoor air sample from near the furnace intake also had a detection of low levels of DCE.

3.5.2.3 March, August and November 2016 Sample Events

In March 2016:

- one sub-slab soil vapor sample was collected from below the first-floor garage
- three indoor air samples were collected (basement, first floor office, and second floor landing)
- two outdoor air samples were collected (near the furnace intake and an upwind ambient air)

A duplicate sample was collected of the outdoor air sample from near the furnace.

The sub-slab soil vapor sample from the first-floor garage did not identify any results exceeding criteria but did find PCE, TCE, and DCE above the analytical detection limits.

The three indoor air samples found vinyl chloride exceeding the criteria for identify source(s) and resample or mitigate. Additionally, the sample from the basement identified DCE exceeding the identify source(s) and resample or mitigate criteria. The three samples each found PCE and TCE greater than the mitigate criteria for PCE and TCE. Methylene chloride carbon tetrachloride were detected in the three samples below criteria and DCE was identified in the samples from the first-floor office and second-floor landing below criteria.

The three outdoor air samples contained PCE, TCE, carbon tetrachloride, and methylene chloride at low levels slightly above the analytical detection limits.

In August 2016:

- two indoor air samples (and a duplicate) were collected from the first-floor office
- one indoor air sample was collected from the second-floor landing
- outdoor air samples were collected from near the furnace intake and from an upwind location of ambient air

The indoor air samples exceeded the mitigation criteria for PCE. The two samples (and the duplicate sample) collected from the first-floor office exceeded the mitigation criteria for DCE and PCE and exceeded the monitoring criteria for carbon tetrachloride.

The indoor area from the second-floor landing exceeded the monitoring criteria for DCE. Methylene chloride was detected in each of the samples below criteria.

The outdoor air samples contained PCE, TCE, methylene chloride, and carbon tetrachloride at low levels slightly over the analytical detection limits. DCE was also detected in the sample collected near the furnace intake.

In November 2016 seven indoor air samples were collected as well as a duplicate sample. Indoor air samples were collected from:

- the second-floor landing (along with a duplicate sample)
- the second-floor third bedroom
- the second-floor spare bedroom
- the second-floor living room
- the second-floor main bedroom
- the basement
- the first floor

Outdoor air samples were collected from the second-floor balcony, and two upwind ambient air samples were collected, one from an upwind location and one from near the furnace intake.

Each of the indoor air samples exceeded the mitigation criteria for TCE, DCE, and vinyl chloride. PCE exceeded the mitigation criteria for each of the indoor air samples, except for the sample collected from the second-floor spare bedroom where PCE exceeded the monitor criteria.

Carbon tetrachloride exceeded the monitor criteria in each of the indoor air samples, while 1,1-dichloroethene exceeded the monitor criteria in the indoor air samples from the second-floor landing (duplicate sample only), second-floor main bedroom, basement, and first floor.

Methylene chloride and 1,1,1-TCA were detected below criteria in each of the samples, while 1,1-dichloroethene was detected below criteria in the sample from the second-floor landing, spare bedroom, and living room.

Each of the three outdoor air samples were below criteria except for carbon tetrachloride in the upwind ambient air sample. Otherwise, PCE, TCE, DCE, vinyl chloride, 1,1,1-TCA, 1,1-dichloroethene, carbon tetrachloride, and methylene chloride were detected in each of the samples below criteria.

3.5.2.4 December 2018 Sample Event

In December 2018 four indoor air samples (as well as a duplicate sample) were collected. Three of the samples were from the second floor (spare bedroom, living room, and third bedroom) and the fourth sample and duplicate were collected from the basement.

Vinyl chloride exceeded the mitigate criteria in each of the samples except the duplicate sample from the basement.

DCE exceeded the mitigate criteria in the samples from the second floor third bedroom and basement (but not in the duplicate sample) and exceeded the monitor criteria in the second-floor spare bedroom and living room samples.

TCE exceeded mitigate criteria in the sample from the basement (but not the duplicate) and exceeded the monitor criteria in the samples from the second floor living room and third bedroom.

PCE was detected in each of the indoor air samples but only exceeded the monitor criteria in the sample from the basement (but not the duplicate sample).

Carbon tetrachloride and methylene chloride were only detected in the duplicate of the basement sample but were below criteria.

The outdoor air sample collected near the furnace intake contained low levels of PCE and carbon tetrachloride slightly above the detection limits.

3.5.2.5 December 2020 Sample Event

In December 2020, four indoor air samples (as well as a duplicate sample) were collected. Two of the samples were collected from the second floor apartment (spare bedroom, living room), the third from the first floor dentist office, and the fourth sample and duplicate were collected from the basement.

DCE exceeded the mitigate criteria in the sample collected from the basement and it's corresponding duplicate sample.

TCE was detected above the monitor criteria in the sample collected from the basement and 2nd floor living room.

PCE was detected in all indoor air samples except the one collected from the 2nd floor bedroom. Results did not exceed criteria.

Carbon tetrachloride was not detected above the criteria in any indoor air samples collected.

The outdoor air sample collected near the furnace intake contained low levels of carbon tetrachloride and methyl chloride, but no values were above criteria.

3.5.2.6 April 2021 Sample Event

In April 2021, four indoor air samples (as well as a duplicate sample) were collected post-SVE system start-up. One sample was collected from the basement, samples were collected from the second floor apartment (spare bedroom, living room), and the fourth from the first floor dentist office.

DCE exceeded the mitigate criteria in the sample collected from the basement and it's corresponding duplicate sample.

TCE was only detected in the sample collected from the basement but not detected in its corresponding duplicate. Results were above the monitor criteria.

PCE was only detected in the sample collected from the basement and it's corresponding duplicate. Results were above the monitor criteria.

Carbon tetrachloride and methyl chloride were not detected in any samples collected.

The outdoor air sample collected near the furnace intake contained low levels of carbon tetrachloride and methyl chloride, but no values were above criteria.

3.5.3 Soil Vapor Intrusion Impacts Building 3

In March 2017 two sub-slab soil vapor samples, three indoor air, and one upwind ambient air samples were collected. **Figure 4** shows the sampling locations and **Table 7C** and **Figure 6A** present the soil vapor sampling analytical results. The two sub-slab soil vapor samples were collected from the first-floor storage room and the first-floor office. The three indoor air samples were collected from the first-floor storage room and office, and the second-floor bedroom. The ambient air sample was collected outside the building in an upwind direction.

Both of the first-floor sub-slab soil vapor samples found PCE exceeding the mitigate criteria. While TCE was detected below criteria in the storage room sub-slab sample TCE exceeded the mitigate criteria in the sub-slab soil vapor sample from the office. DCE was detected in both samples below criteria and carbon tetrachloride was detected in the sample from the storage room below criteria but was below analytical detection limits in the office.

Each of the three indoor air samples exceeded criteria for PCE: the first-floor storage and second floor bedroom exceeded the monitor criteria, and the first-floor office exceeded the mitigate criteria. The first-floor bedroom and office both exceed mitigate criteria for TCE, but the first-floor storage room sample was detected below criteria. Methylene chloride exceeded the identify source(s) and resample or mitigate criteria in the sample from the first-floor storage room and the other two indoor air samples were detected below criteria. Carbon

tetrachloride was detected in each of the indoor air samples below the criteria. The upwind ambient air outdoor sample had low level detections of carbon tetrachloride and methylene chloride.

3.5.4 Soil Vapor Intrusion Impacts Identified Near Time 1-HOUR Cleaners

In July 2015 and July 2018, fourteen (SVP-01 through SVP-14) soil vapor samples (plus two duplicate samples) were collected from points installed along the sidewalk on Pine Avenue (see **Figure 6A**). The analytical results are summarized in **Table 8**.

No samples were collected from SVP-01 and SVP-02 due to water being encountered in the soil vapor point.

PCE was the dominant compound detected in the other samples and ranged from 17 ug/m³ to 4,500 ug/m³ at SVP-05, which is south of the green area west of the building at 2532 Pine Avenue.

Vinyl chloride ranged from below the detection limits to 1.2 ug/m³ and DCE ranged from below the detection limits to 98 ug/m³ (100 ug/m³ in the duplicate sample) in SVP-08.

TCE ranged from 2.6 ug/m³ to 530 ug/m³ and methylene chloride ranged from 0.78 ug/m³ to 35.4 ug/m³ in SVP-13.

Carbon tetrachloride ranged from below the detection limits to 0.82 ug/m³ and 1,1-dichlorethene ranged from below the detection limits to 0.53 ug/m³ in SVP-14, which is the farthest east sample point on the south side of Pine Avenue.

1,1,1-TCA ranged from below the detection limits to 6.7 ug/m³ in SVP-03, which is on the sidewalk just south of the green space between 2526 and 2532 Pine Avenue.

SECTION 4 - NATURE AND EXTENT OF CONTAMINATION

4.1 Surface Soil

Surface soils were collected from three locations in the gravel lot north of the building on 2526 Pine Avenue (SS-01, SS-02, and SS-03). Surface soil analytical data is provided in **Table 3A** and **Figure 5**. Analytical results were compared to 6 NYCRR Part 375 Unrestricted-Use SCOs, as well as the Residential-Use and Protection of Groundwater (collectively “criteria”) where a criterion exists for the particular compound.

Each of the three surface soil samples collected north of 2526 Pine Avenue exceeded criteria for PCE; however, the duplicate sample from SS-02 did not. PCE is associated with the dry cleaning processes and can break down into TCE, DCE, and vinyl chloride under the proper conditions.

The highest concentration of PCE was observed in soil samples collected from SS-01 (200 mg/kg), with criteria exceedances also observed in SS-03 (38 mg/kg).

SVOC analyses at SS-01 and SS-02 did not exceed criteria; however, at SS-03 both benzo(b)fluoranthene and indeno(1,2,3-c,d)pyrene exceeded criteria. The highest concentration of SVOCs, benzo(b)fluoranthene, was observed in soil samples collected from SS-03 (1.3 mg/kg).

Four pesticides, Dieldrin, p,p'-DDD, p,p'-DDE, and p,p'-DDT each exceeded criteria in one or more of the samples. The highest concentration of pesticides, p,p'-DDT, was observed in soil samples collected from SS-03 (0.028 mg/kg).

One PCB, Aroclor 1260, was found above the criteria at SS-03 (0.16 mg/kg).

SS-01 did not have any inorganics exceed criteria, however cadmium exceeded criteria in the duplicate sample from SS-02 (2.7 mg/kg) and the normal sample from SS-03 (70 mg/kg). Lead exceeded criteria at both SS-02 (150 mg/kg) and SS-03 (300 mg/kg). Mercury exceeded criteria at SS-02 (0.34 mg/kg), but not the duplicate from this location, and in SS-03 (0.59 mg/kg). Nickel exceeded criteria at SS-03 (35 mg/kg). Zinc exceeded criteria at SS-02 (300 mg/kg) and SS-03 (350 mg/kg).

Based on the results discussed above, chlorinated solvents surface soils north of the building at 2526 Pine Avenue exceed unrestricted use criteria.

Sample Location	Exceeded Unrestricted Use SCO			
	VOC	SVOC	Pesticides/PCBs	Inorganic
SS-01	PCE	--	p,p'-DDE p,p'-DDT	--
SS-02	PCE	--	Dieldrin p,p'-DDE p,p'-DDT	Lead Mercury Zinc
SS-02 Dup	--	--	p,p'-DDT	Cadmium Lead Zinc
SS-03	PCE	Benzo(b)fluoranthene Indeno(1,2,3-c,d)pyrene	p,p'-DDD p,p'-DDE p,p'-DDT Aroclor 1260	Cadmium Lead Mercury Nickel Zinc

4.2 Subsurface Soil

Validated laboratory analytical results for subsurface soils are shown in **Tables 3A and 3B**. Note that concentrations presented in **Table 3A** were reported by the laboratory in milligrams per kilogram (mg/kg), whereas concentrations presented in **Table 3B** were reported in micrograms per kilogram (ug/kg). All concentrations discussed in the following sections are shown in mg/kg to facilitate comparison between samples.

4.2.1 Organics

Organic contamination of site soils is characterized by criteria exceedances for PCE and its daughter compounds DCE and vinyl chloride. Historic soil samples collected from 2526 Pine Avenue in 2011 showed elevated PCE in all soil borings with the highest concentration of 373 milligrams per kilogram (mg/kg) in SB-1 (8-10' bgs) and 114 mg/kg at SB-4 (6-8' bgs). These concentrations are consistent with PCE concentrations detected in RI sample locations in that vicinity.

The source of the chlorinated solvent contamination appears to be concentrated below the 2532 Pine Avenue building. The highest concentration of PCE is observed in soils collected from SVE-03 (1,080 mg/kg), with criteria exceedances also observed in SB-11 (75.5 – 237 mg/kg) and PVE-02 (41.5 – 53.1 mg/kg). Additional exceedances were observed to the northwest of the DiLaura DDS building in soil samples collected from MW-02 (75 – 140 mg/kg).

The highest concentration of TCE was observed in soil samples collected from SVE-03 (25 mg/kg), with criteria exceedances also observed in PVE-02 (9.82 mg/kg), SB-11 (2.19 – 6.91 mg/kg), and MW-02 (0.78 – 1.5 mg/kg).

The highest concentration of DCE was observed in soil samples collected from SB-11 (2.07 mg/kg), with criteria exceedances also observed in SVE-02 (1.28 mg/kg), SVE-03 (3.72 mg/kg), MW-02 (0.31 – 0.45 mg/kg), and MW-04 (0.71 mg/kg).

The highest concentration of vinyl chloride was observed in soil samples collected PVE-02 (0.161 - 0.306 mg/kg), with criteria exceedances also observed in soil samples collected from MW-04 (0.042 mg/kg).

The contamination of site soils with PCE likely occurred during historical Time 1-Hour One Cleaners operations at 2532 Pine Avenue. Spent chlorinated solvents appear to have been introduced to the subsurface, presumably through spillage/dumping into basement floor drains, such as the floor drain adjacent to SVE-03. The basement floor drains, and potentially the sewer lateral, may be considered a source of PCE contamination.

Daughter compounds such as TCE, DCE, and vinyl chloride are present in site soils due to reductive dichlorination of PCE via anaerobic degradation pathways and have likely been propagated through the sub-slab environment, and potentially off-site through periodic fluctuations in water perched around and below the building foundation and basement slab. Due to this fluctuation, the extent of contamination in the subsurface is not yet defined. Additional soil sampling, as well as and hydrologic testing, may be required to support the design and implementation of a remedy.

4.2.2 Inorganics/Metals

Inorganics contamination of site soils is characterized by criteria exceedances of zinc and nickel. Zinc exceedances tended to be concentrated in soil samples collected from SB-06 (310 mg/kg), SB-07 (130 mg/kg), SB-09 (42-170 mg/kg), MW-04 (160-510 mg/kg), and MW-05 (200 mg/kg) the north of both the 2526 and 2532 properties, with the exception of the soil sample collected from MW-06 (530 mg/kg), across Pine Avenue

to the south. Nickel exceedances tended to be clustered along the southeastern edge of the 2532 Pine Avenue property in SB-10 (31.8 mg/kg), SVE-02 (30.4 mg/kg), PVE-01 (30.5 mg/kg), and PVE-02 (31.8 mg/kg) with the exception of soil samples collected from MW-09 (36.5 mg/kg) located across Pine Avenue to the south. Additional exceedances were observed for lead in soil samples collected from SB-11 (143 mg/kg).

It is likely that the inorganics/metals criteria exceedances observed in site soils are anthropogenic in nature and are typical of the fill materials used at this site and in the surrounding areas. Any attempt to further identify and describe the nature and extent of inorganic/metal impacts to site soils would require delineation and sampling beyond the current scope of this report.

4.3 Perched Water

The highest chlorinated solvent concentrations were identified beneath the building at 2532 Pine Avenue at SB-11 where a perched water sample was collected from a temporary well screened between 1.5 and 4 feet beneath the basement floor. PCE (35,500 ug/L), TCE (8,000 ug/L), DCE (6,310 ug/L), and trans-1,2-dichloroethene (58.4 ug/L) each exceeded Standards and/or Guidance Value (SGVs) in the volatile organics analysis. Several metals also exceeded SGVs at this location: barium, iron, magnesium, manganese, nickel, sodium, and zinc.

Water from the sub-slab was collected at SSW-2 where only acetone was found to exceed AWQS. It is suspected that the source of perched water in SB-11 and SSW-2 is likely from surface runoff and downspouts. Similarly, samples from the building sump (2865E-SW) are considered to be from the perched water zone. Samples were collected from the sump and found PCE (1,900 and 1,700 ug/L), TCE (110 and 100 ug/L), and DCE (38 and 36 ug/L) exceeding SGVs.

The perched water zone is likely localized to the 2532 Pine Avenue building. Perched water was encountered in all borings located within the 2532 Pine Avenue basement, but was not observed at the other boring and well locations. The laboratory results from perched water samples are presented in **Table 6**. Hydrologic testing may be warranted to determine the nature and extent of perched water below the 2532 Pine Avenue building slab.

4.4 Groundwater

Groundwater quality analytical results from the Site (**Table 4** and **Figure 10**) show impacts from PCE and its daughter products (TCE, DCE, cis-1,2-dichloroethylene, and vinyl chloride) at concentrations above Class GA SGVs. The Class GA Standard for PCE is 5 micrograms per liter (ug/L). Each of the groundwater, temporary well, and perched water samples had either PCE or daughter products exceeding SGVs.

The highest concentrations of PCE and TCE were observed in groundwater samples collected from SB-11 (35,500 ug/L and 8,000 ug/L, respectively). The highest concentration of cis-1,2-dichloroethylene, was also observed in groundwater samples collected from SB-11 (6,310 ug/L). DCE was only detected above criteria in one sample collected from MW-09 (1.3 ug/L).

The highest concentration of vinyl chloride was observed in groundwater samples collected from MW-09 (8.8 ug/L).

After determining that the overburden soils in the area of the Site did not contain adequate groundwater for the installation and sampling of groundwater monitoring wells, deeper wells were installed into the top 10 feet of bedrock. Similar to the distribution of the analytes in soil, the groundwater in the area of the Site has a focus on chlorinated solvents (PCE and daughter products) in the area beneath the building at 2532 Pine Avenue.

North of the building at 2532 Pine Avenue, upgradient well MW-07 found DCE and vinyl chloride exceeding SGVs in the volatile organic analysis and iron, magnesium, and sodium exceeding in the inorganics analysis. East of the Site downgradient well MW-08 identified PCE, TCE, DCE, and vinyl chloride all exceeded SGVs in the volatile organics analysis, and magnesium and sodium both exceeded the inorganics analysis. Across Pine Avenue to the south, downgradient MW-09 found PCE, TCE, DCE, vinyl chloride, as well as 1,2-dichloroethane over SGVs. Chlorinated solvent concentrations at this location are greater than those at MW-08.

One PFAS compound also was above SGVs (10 ppt) in MW-09: PFOA was identified at 10.5 ppt. Additionally, inorganics iron, magnesium, manganese, and sodium exceeded SGVs.

As mentioned in Section 3.3.3, elevated PCE relative to TCE, DCE, and vinyl chloride in the source area near SB-11 and increased TCE, DCE, and vinyl chloride with lesser PCE away from the source area (MW-07, MW-08 and MW-09) are an indication that at least some natural attenuation of PCE is taking place in groundwater.

It appears the plume is traveling off-site to the south, but the limits of the plume have not been defined.

4.5 Soil Vapor and Indoor Air

4.5.1 Soil Vapor Intrusion - 2526 Pine Avenue

Several phases of soil vapor samples have been completed at the 2526 Pine Avenue property:

- July 2011
- March 2012
- March 2014
- September 2015
- March 2017

Analytical data for each event has been summarized in **Table 2A**, **Table 7A** and **Figure 6A**. Historical sampling (July 2011 and March 2012) results showed elevated PCE, TCE, and DCE above NYSDOH criteria.

Prior to the start of the Remedial Investigation in 2014, a sub-slab depressurization system was installed by GES with authorization by the NYSDEC in June 2012 in an effort to mitigate soil vapor impacts within the building based on the sampling conducted by RJS Environmental in June 2011 and GES in March 2012. The sub-slab depressurization system continues to operate at this time. Sampling during the Remedial Investigation identified chlorinated solvents related to dry cleaning operations in air samples collected from below and inside the building consistent with historical sampling results.

Based on the samples collected during the RI from the sub-slab system exhaust it appears the system is effective at drawing impacted vapors from below the slab. However, the indoor air results remain above the mitigate criteria. As discussed in Section 5.1, it is unclear whether this is due to sub-slab vapor intrusion or from off gassing from clothing in the building. It should be noted that until recently, the clothes were only processed in this building and there was no cleaning operation. Since the sale of this property, Time 1-Hour Cleaners no longer is operational. Further indoor air sampling is required to assess potential exposure prior to future occupancy.

4.5.2 Soil Vapor Intrusion – 2532 Pine Avenue

As detailed in Section 1.2 and 3.5.2, several phases of soil vapor samples have been completed at the 2532 Pine Avenue property:

- March 2012
- March 2014
- April 2015
- September 2015
- March 2016
- August 2016
- November 2016
- December 2018
- December 2020
- April 2021

Analytical data for each event has been summarized in **Table 2B**, **Table 7B** and **Figure 6B**. Mitigation measures have been taken at the 2532 Pine Avenue property to reduce chlorinated solvent impacts to the air within the building, as outlined below.

In 2015, the sump in the basement of the building was sealed, three portable IQ Air GCX Air Purifying Units (APUs) were installed in the building at the request NYSDOH, and the pit located in the room next to the garage was sealed.

In March 2016, four additional portable APUs (Sylvane AirPura C600DLX) were installed in the basement, first floor, and second floor of the building.

In June 2017, a sump depressurization system was installed in the building basement. It should be noted that the sump discharges to the sewer system.

In July - August 2019, an SVE system (see **Figure 11**) was installed that includes three extraction wells and two passive injection points. Extraction wells were installed beneath the basement floor on the western side of the building, adjacent to the sanitary sewer utility. Passive injection points were installed beneath the basement floor along the eastern wall of the building. A prefabricated SVE system was installed outside of the building consisting of a regenerative blower, a moisture separator with level switch and sight glass, and a granular activated carbon off-gas treatment system. The system also includes an instrument control package including system vacuum, pressure, and temperature gauges as well as high level (moisture separator), high temperature (blower), and low-vacuum (blower) shutoff switches. A remote telemetry system was installed to communicate system status and transmit any alarms that may occur, including system low vacuum, moisture separator high level, high temperature, blower motor fault, and system shutdown to the system operator. The system is housed in an insulated and sound-attenuated enclosure.

In January 2021 the legacy below-slab sewer utility in the 2532 Pine Avenue basement was abandoned and replaced with a new PVC sewer line, which was run along the basement wall and tied into the sewer main lateral. Additionally, the SVE system was brought online, and start-up optimization was performed.

In August 2021, it was identified that a second-story roof-mounted downspout was discharging rainwater into the sub-slab environment, which recharged the contaminated perched water zone. The downspout aperture was sealed and rerouted to the existing gutter system. Additionally, the 2532 Pine Avenue basement floor slab and utility penetrations were sealed to mitigate intrusion of soil vapors into the building.

Currently the seven APUs, sump ventilation system, and SVE system continue to operate. Following SVE system start-up, periodic system inspections and dewatering of the SVE wells have been performed. Evaluation of system performance is currently underway. Indoor air sampling should be continued on an ongoing basis from all portions of the building to verify the various mitigation efforts are effective at reducing or eliminating VOC concentrations in indoor air.

4.5.3 Soil Vapor Intrusion – Building 3

As described in Section 3.5.3, soil vapor samples were collected from Building 3 in March 2017. Methylene chloride was detected to be within the range for “Identify Source(s) and Resample or Mitigate” Matrix B criteria in one indoor air sample. PCE exceeded the mitigate criteria in both sub-slab samples and one indoor air sample and exceeded the monitor criteria in two indoor air samples. TCE exceeded the mitigate criteria in one sub-slab sample and two indoor air samples.

In June 2018, a sub-slab depressurization system was installed inside Building 3 in an effort to reduce the impacts of dry cleaning related chlorinated solvents identified in the indoor air samples. Indoor air sampling should be continued on an ongoing basis from all portions of the building to verify the various mitigation efforts are effective at reducing or eliminating VOC concentrations in indoor air.

SECTION 5 - EXPOSURE ASSESSMENT

Information collected as part of this remedial investigation has been used to qualitatively assess potential exposure pathways for the various detected compounds in site soils, groundwater, and soil vapors associated with the former dry cleaner at the 2526 and 2532 Pine Avenue.

5.1 Soil Vapor

Soil vapor appears to be the most prevalent pathway of potential exposure to site contamination, specifically chlorinated VOCs. Results from the chemical analysis of several sub-slab soil, perched water, groundwater, and sub-slab soil vapor samples indicate the presence of chlorinated VOCs at concentrations exceeding the New York state SGVs. In particular, sub-slab soil vapor intrusion impacts have been observed at three properties (2526 Pine Avenue, 2532 Pine Avenue, and Building 3, for which addresses and SBL numbers are provided in **Table 9**) located at or nearby the Site. The soil vapor data from the soil vapor probes suggest groundwater and soil vapor may be impacted off-site as well. It is not clear if these impacts are related to the Site or other off-site sources.

Vapor mitigation systems have been installed at the affected buildings and monitoring and optimization of these systems is ongoing. It should be noted that the 2526 building was used as a drop off and pickup dry cleaner with no active dry cleaning operation until the property was sold on June 14, 2021 to Rahima Aziz Foundation. Currently, the building is vacant. Chlorinated VOC levels have remained elevated in indoor air at this location despite the installation of a sub-slab depressurization system. It is likely that the off gassing from the stored dry-cleaned clothing is contributing to the impacts in indoor air. Since the sale of this property, Time 1-Hour Cleaners no longer is operational. Given the change in use of the 2526 Pine Avenue building, it is expected that the chlorinated VOCs levels will decrease over time.

5.2 Soil

Surface soils and subsurface soils are potential exposure pathways at any site where there are impacts related to historical operations. Results from the soil samples collected at the site suggest that there are impacts above NYSDEC SGVs to surface and subsurface soils related to former dry cleaning activities and anthropogenic sources in the shallow fill material. Locations and lab results are shown on **Figure 5**.

Shallow soil impacts appear to be limited to the area directly north of the building 2526, which is the most recent location of the former dry cleaners. Direct exposure to the surface soil impacts is limited as the area of impacted soil is an active parking area covered by gravel in the area behind 2526, or asphalt in the area behind 2532.

Subsurface soil impacts appear to be primarily below the building slabs. The lack of groundwater in the subsurface soil has limited the mobility of soil compounds. Direct exposure to subsurface soil is restricted due to the building foundations. Workers completing intrusive work at the property may be exposed to impacted soils.

5.3 Groundwater

Groundwater impacts above NYSDEC AWQS are noted at the Site. The groundwater primarily exists in localized perched groundwater below the 2532 Pine Avenue building and in bedrock. The groundwater laboratory results and monitoring well locations are shown on **Figure 10**.

The groundwater impacts are primarily VOCs related to the former dry cleaning operations. Several metals were also detected above the NYSDEC SGVs. Perched groundwater was exposed in a sump in the building at 2532

Pine Avenue, which is now sealed eliminating any exposure. Groundwater use is prohibited in this area of the city and there are no drinking water wells installed at the site. Workers completing intrusive work at the Site or below the buildings may be exposed to direct contact with impacted groundwater.

5.4 Summary

In summary, potential soil vapor, soil, and groundwater exposure pathways exist. Incidental ingestion and direct contact with impacted soil and groundwater is likely limited to workers or individuals conducting intrusive work at the Site. Mitigation measures have been implemented for soil vapor exposures that will be monitored on an ongoing basis and optimized to eliminate this exposure pathway.

SECTION 6 - CONCLUSIONS

Based on the results of the Remedial Investigation activities documented in this report, the following are conclusions for the Time 1-Hour Cleaners Site.

1. Surface and subsurface soils at this Site have been impacted by chlorinated solvents related to dry cleaning operations. Impacts appear to be mainly within the properties at 2526 and 2532 Pine Avenue. Additionally, a few metals (mainly nickel and zinc), pesticides in shallow soils, and PCBs in one surface soil location were found above criteria. These exceedances are likely from anthropogenic sources related to the fill or typically of the soils in the area.
2. Vapor mitigation systems installed at 2526 Pine Avenue, 2532 Pine Avenue, and Building 3 should be routinely monitored for proper operation including the collection of exhaust samples.
3. Groundwater at the Site is at least 15 feet bgs and in bedrock and is impacted with PCE. The highest PCE concentrations in groundwater were encountered across Pine Avenue to the south at MW-09. Groundwater flow direction in the area of the Site is suspected to be to the southwest toward Niagara River. Closer to the Site, MW-08 to the east, had chlorinated solvent concentration generally one or two orders of magnitude lower than MW-09. On the 2532 Pine Avenue property and north of the building, MW-07 had the lowest chlorinated solvent concentrations.

Natural dichlorination of PCE appears to be taking place in groundwater at the Site. Local groundwater does not appear to be in use based on information obtained from local potable water suppliers. The City of Niagara Falls has an ordinance against well installation within the City for potable uses. Further investigation of groundwater impacts may be required to fill data gaps and determine the full extent of the plume prior to remediation.

4. Perched water beneath the basement slab of 2532 Pine Avenue is recharged by surface water drainage at the Site. This perched water is in contact with soil beneath the basement slab that has been impacted by historic dry cleaning operations. Continued dewatering of the SVE wells is recommended on an as-needed basis for optimization of the SVE system effectiveness.
5. Pathways for human exposure to Site impacts are limited given that mitigation systems for soil vapor have been installed at 2526 Pine Avenue, 2532 Pine Avenue, and Building 3. Human exposure to any impacted soils and/or groundwater may be possible during intrusive activities (e.g., repair of underground utilities or structures, potential future construction), but is not likely. Human exposure pathway has been observed via soil vapors. Continued monitoring of indoor air is recommended on an annual basis during the heating season to verify the effectiveness of the mitigation systems.
6. Indoor air samples should be collected to monitor SVE system and basement floor sealing effectiveness.
7. Indoor air samples should be collected from 2526 Pine Avenue to assess potential exposure risk prior to future occupancy.
8. Future indoor air sampling should be considered for Building 3 to evaluate the efficacy of the SSDS.
9. A Fish and Wildlife Resources Impact Analysis was not conducted as this is an urban area and there are no potential adverse impacts to fish and wildlife and other environmental resources. Soil impacts are localized to the site and there are no discharges to surface water.

SECTION 7 - REFERENCES

- GES. 2012a. *Soil Vapor Intrusion Investigation Summary, 2526 Pine Avenue Niagara Falls New York, NYSDEC Site Number 932158*. Prepared for NYSDEC. June 27, 2012.
- GES. 2012b. *File Review Report, 2526 Pine Avenue. NYSDEC Site Number 932158*. Prepared for NYSDEC. April 26, 2012.
- NYSDEC. 1998. *Division of Water Technical and Operational Guidance Series (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations*. June 1998.
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- Parsons. 2013. *Work Scope for 2526 Pine Avenue Site Remedial Investigation and Feasibility Study*. Prepared for NYSDEC. October 2013.
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- Parsons. 2019. *Work Scope Amendment 2 for 2526 Pine Avenue Site Interim Remedial Measure/ Remedial Action and Remedial Investigation/Feasibility Study*. Prepared for NYSDEC. May 2019.
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- USEPA. 1999. *U.S. Environmental Protection Agency Contract Laboratory Program National Functional Guidelines for Organic Data Review*. USEPA. October 1999.
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FIGURES

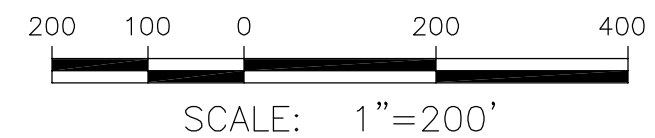
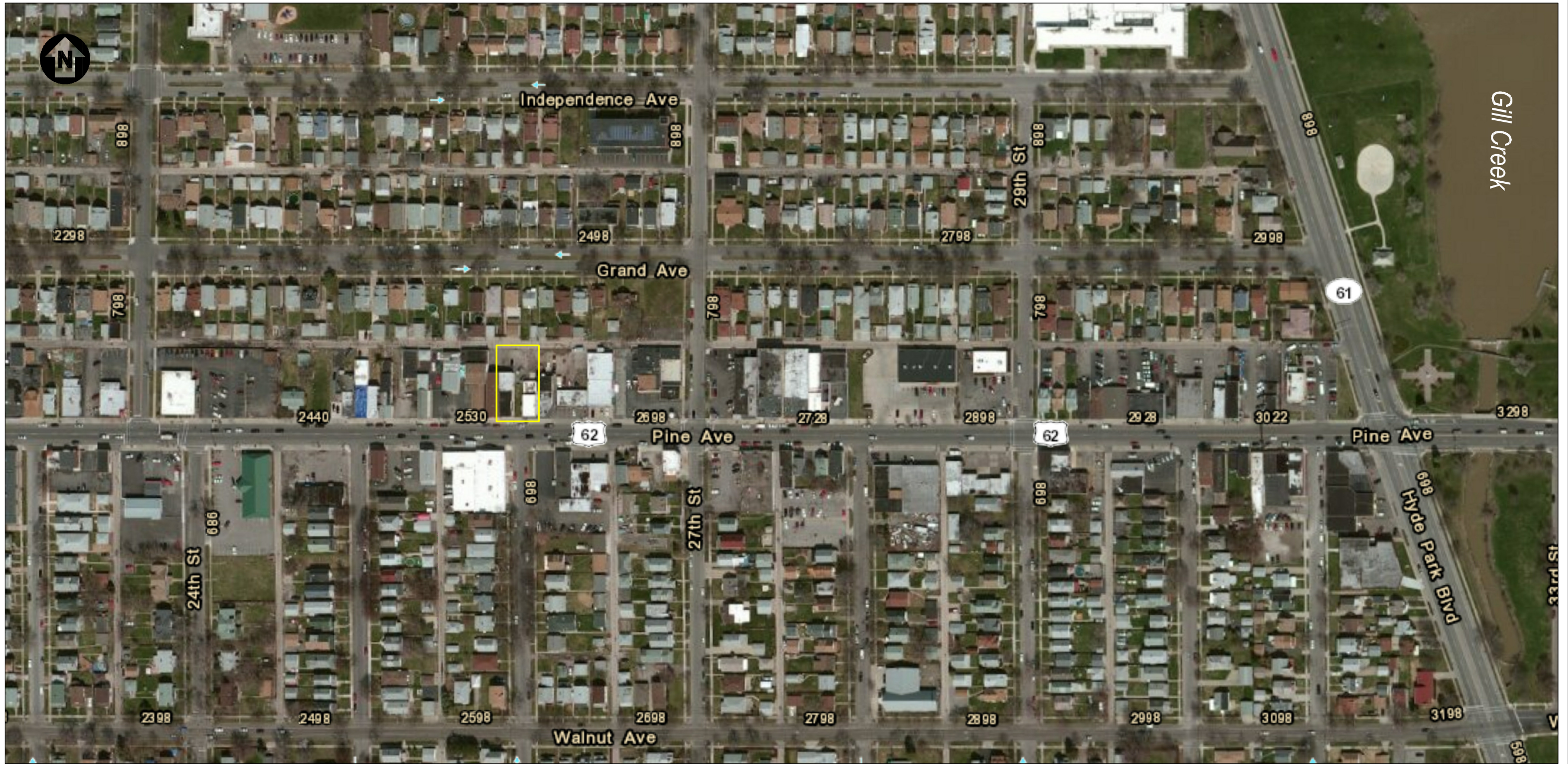


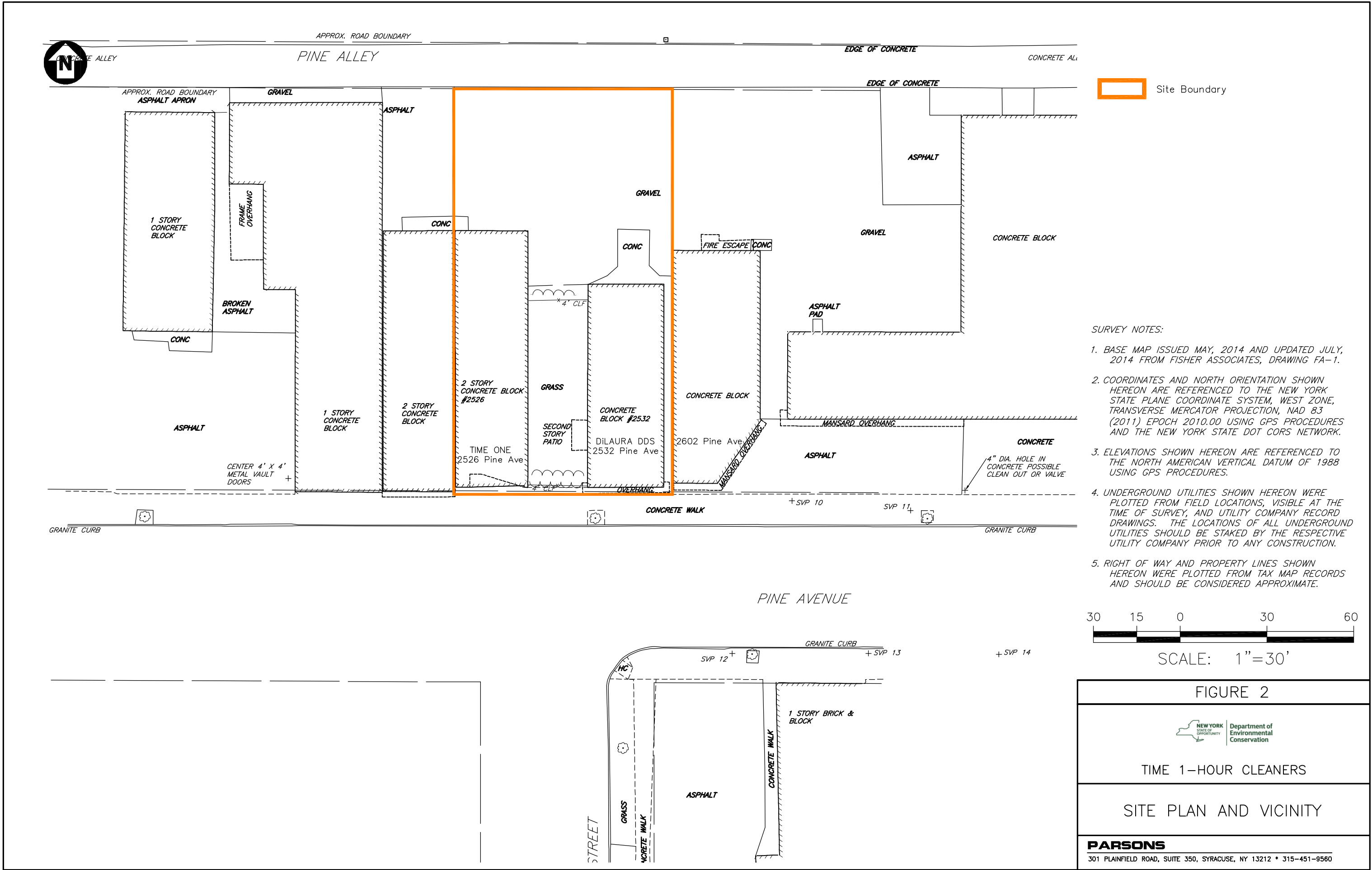
FIGURE 1

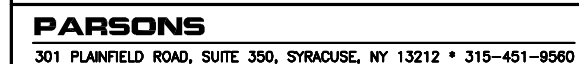


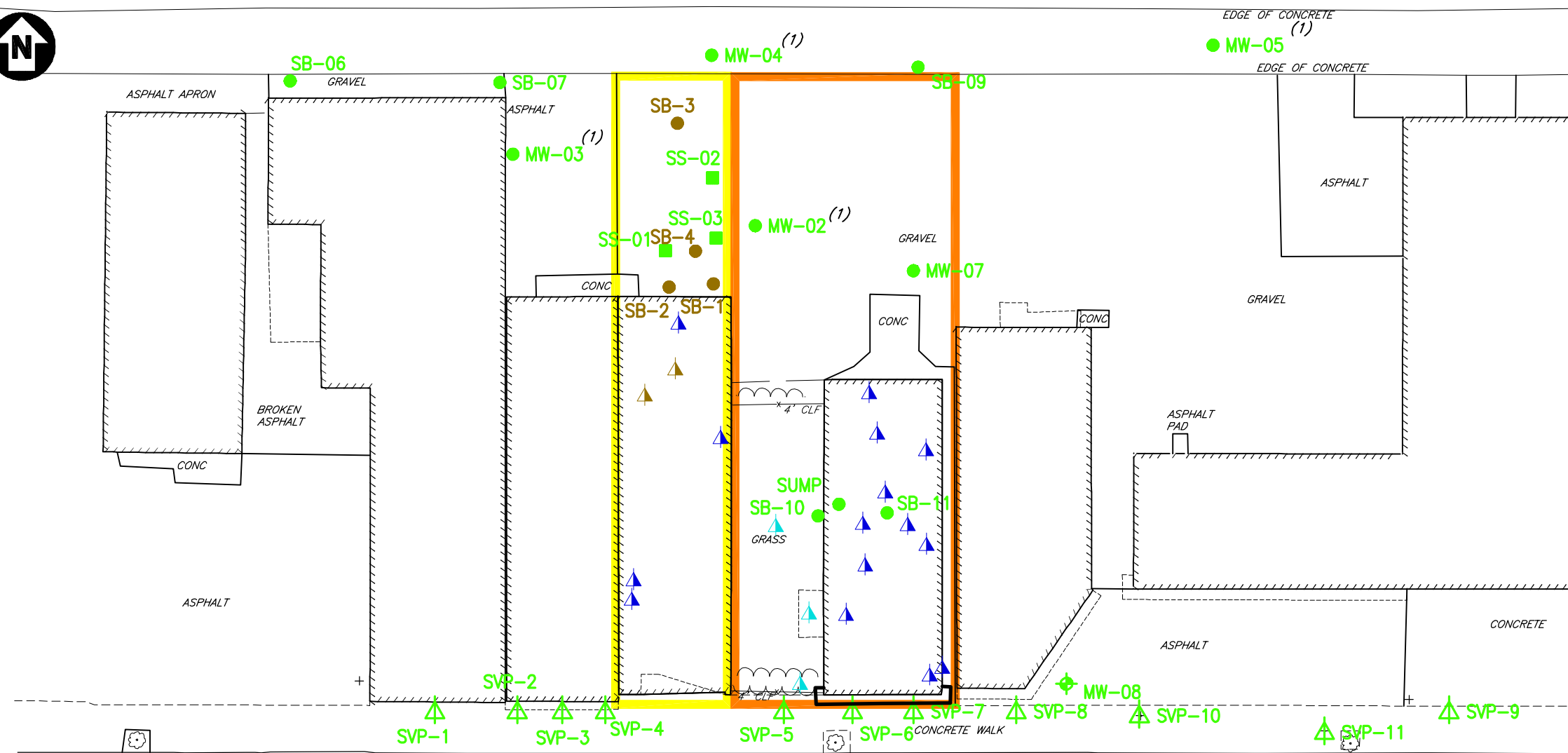
TIME 1-HOUR CLEANERS

SITE LOCATION MAP

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







LEGEND:

- MONITORING WELL
- SOIL BORING
- SURFACE SOIL SAMPLE
- SOIL VAPOR LOCATION
- INDOOR AIR SAMPLE
- OUTDOOR/AMBIENT AIR SAMPLE
- LOCATIONS PERFORMED BY RJS ENVIRONMENTAL COMPLETED IN 2011
- 2526 PINE AVENUE PROPERTY BOUNDARY
- 2532 PINE AVENUE PROPERTY BOUNDARY

NOTE:

- LOCATIONS MW-02, MW-03, MW-04, MW-05, AND MW-06 WERE INTENDED TO BE COMPLETED AS MONITORING WELLS. DUE TO LACK OF WATER, THEY WERE ONLY COMPLETED AS A SOIL BORING.
- LOCATION IDs FOR INDOOR AIR SAMPLES ARE NOT LISTED ON THIS FIGURE, BUT CAN BE FOUND ON FIGURES 6A AND 6B.

SURVEY NOTES:

- See Figure 2 for survey notes.



SCALE: 1"=30'

FIGURE 4

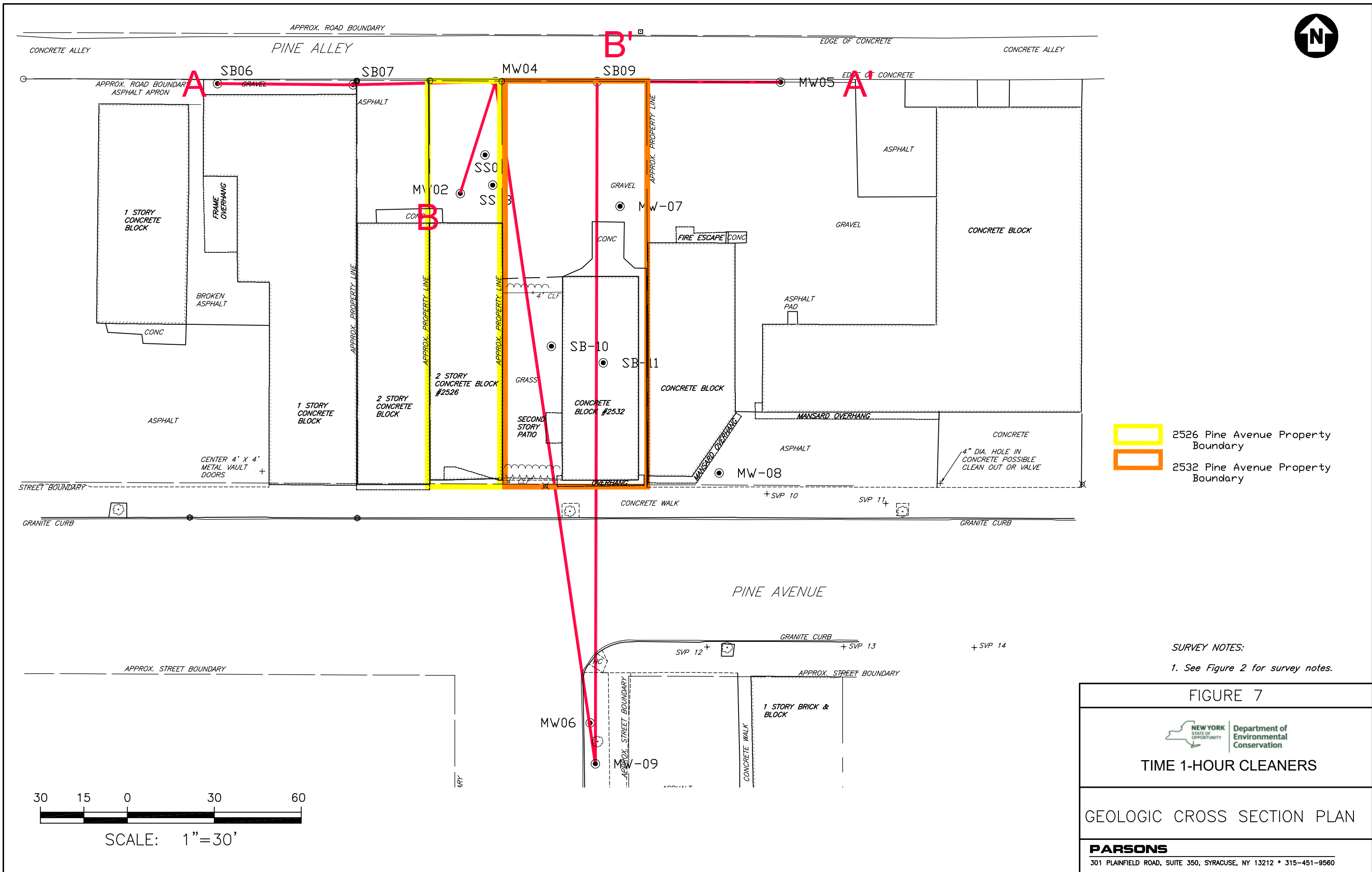


TIME 1-HOUR CLEANERS

SAMPLE LOCATIONS

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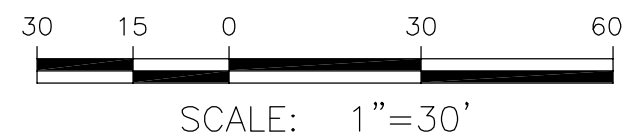
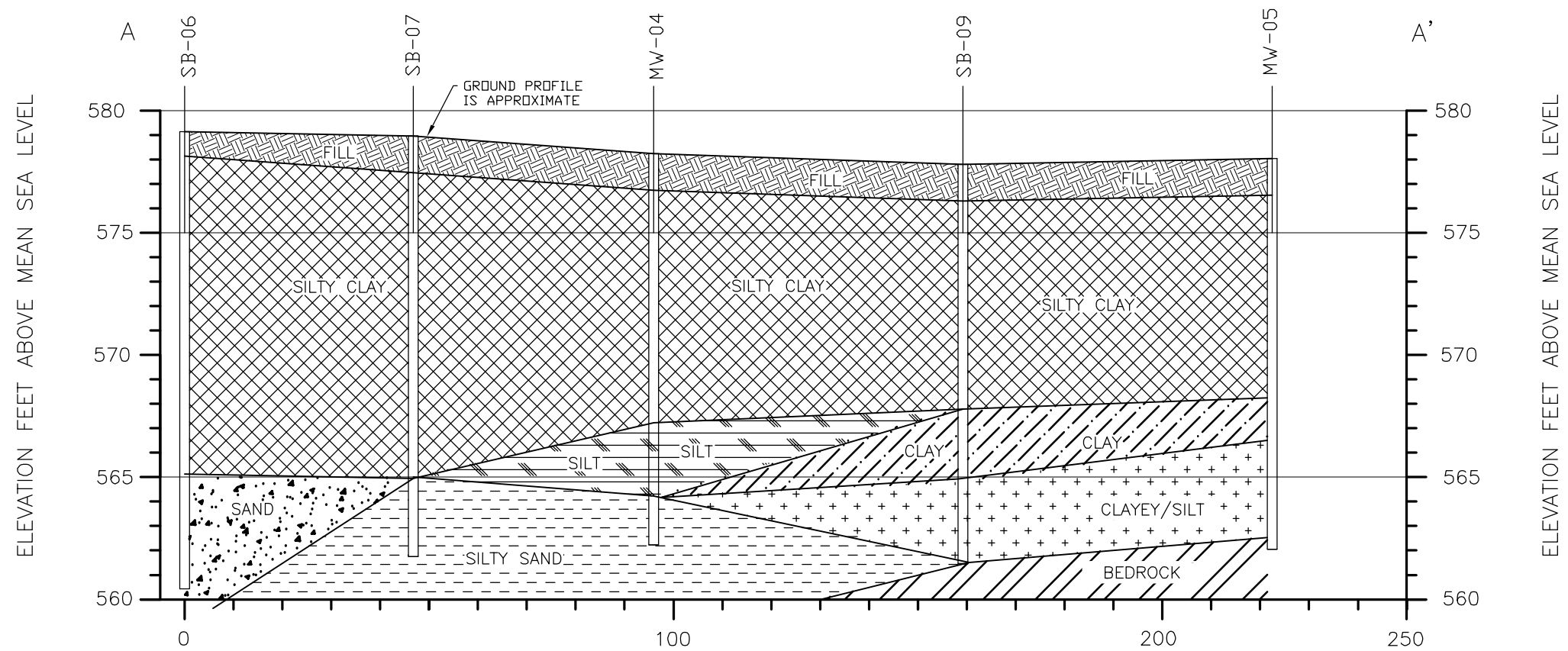


FIGURE 8

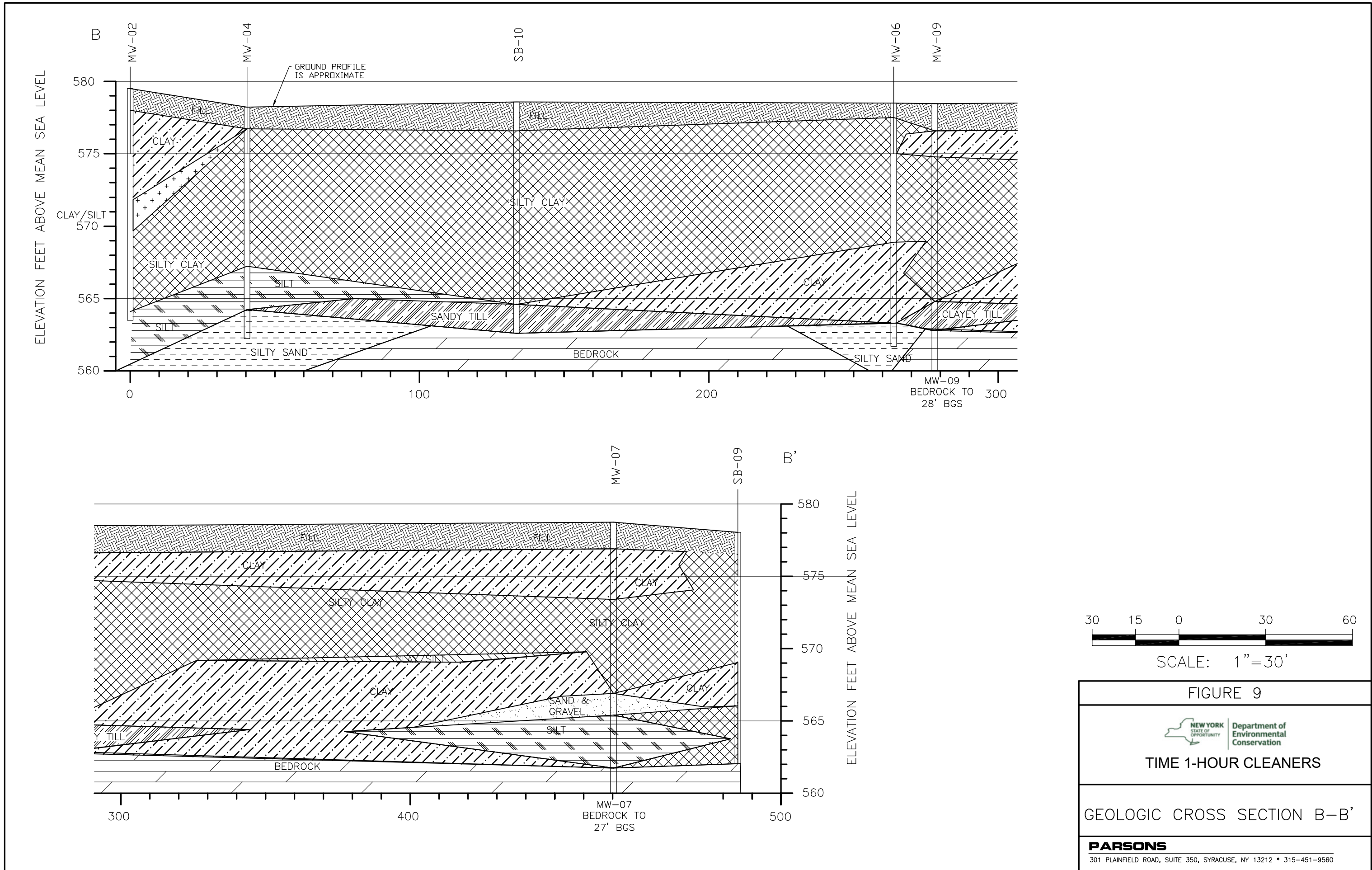


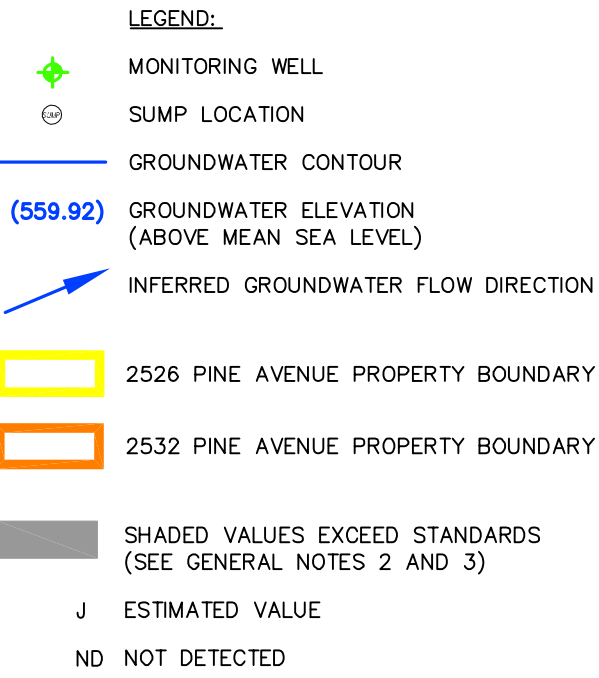
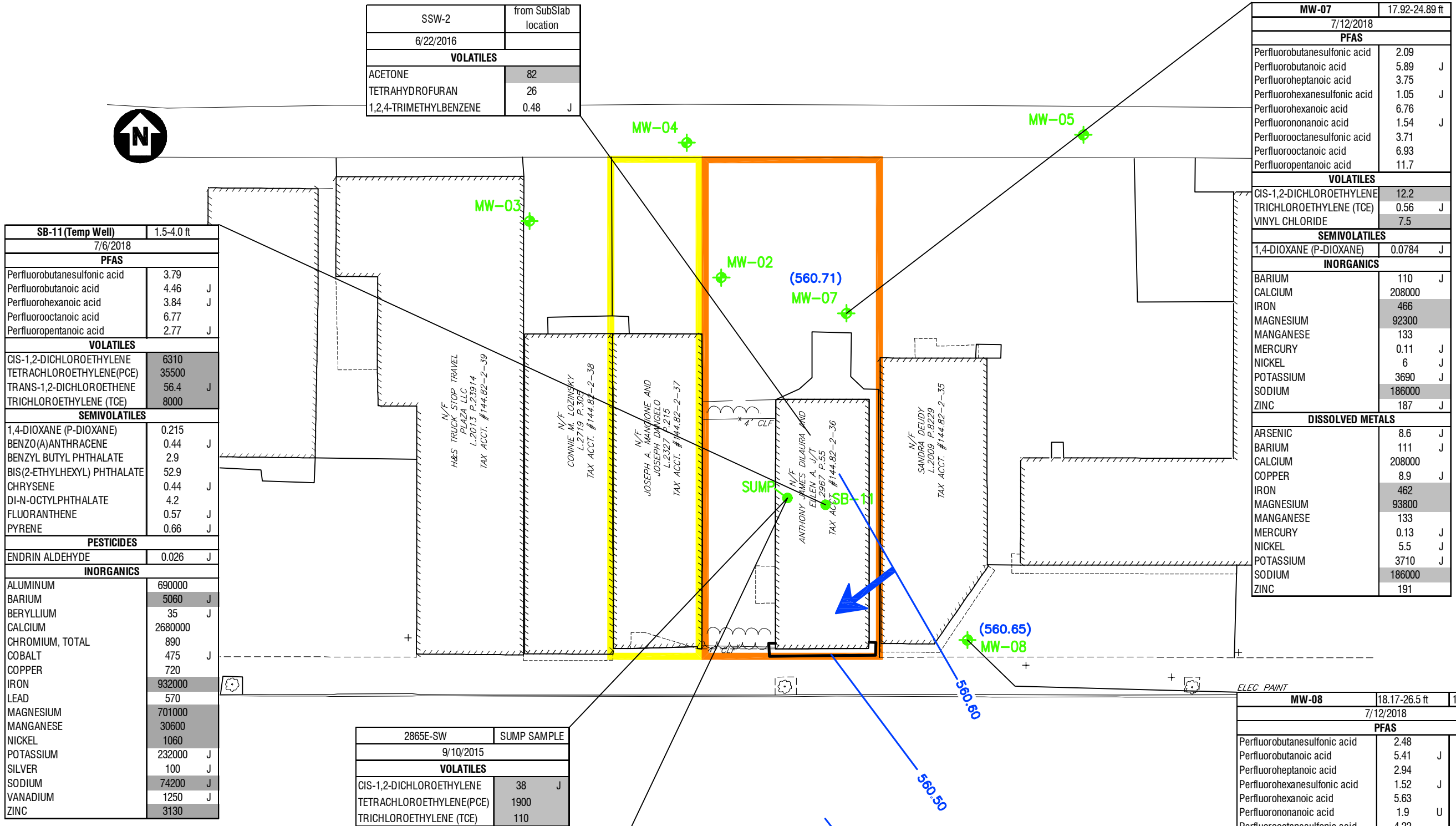
TIME 1-HOUR CLEANERS

GEOLOGIC CROSS SECTION A-A'

PARSONS

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- GENERAL NOTES:**
- ONLY DETECTED COMPOUNDS ARE SHOWN.
 - GROUNDWATER RESULTS ARE SHOWN IN ug/L AND ARE COMPARED TO NYSDEC CLASS GA GROUNDWATER STANDARD/GUIDANCE VALUES.
 - POLYFLUORINATED COMPOUNDS ARE SHOWN IN ng/L AND ARE COMPARED AGAINST NYSDEC'S PROPOSED MAXIMUM CONTAMINANT LEVEL 10 ng/L FOR PFOA AND PFOS.
- SURVEY NOTES:**
- COORDINATES AND NORTH ORIENTATION SHOWN HEREON ARE REFERENCED TO THE NEW YORK STATE PLANE COORDINATE SYSTEM, WEST ZONE, TRANSVERSE MERCATOR PROJECTION, NAD 83 (2011) EPOCH 2010.00 USING GPS PROCEDURES AND THE NEW YORK STATE DOT CORS NETWORK.
 - ELEVATIONS SHOWN HEREON ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 USING GPS PROCEDURES.
 - UNDERGROUND UTILITIES SHOWN HEREON WERE PLOTTED FROM FIELD LOCATIONS, VISIBLE AT THE TIME OF SURVEY, AND UTILITY COMPANY RECORD DRAWINGS. THE LOCATIONS OF ALL UNDERGROUND UTILITIES SHOULD BE STAKED BY THE RESPECTIVE UTILITY COMPANY PRIOR TO ANY CONSTRUCTION.
 - RIGHT OF WAY AND PROPERTY LINES SHOWN HEREON WERE PLOTTED FROM TAX MAP RECORDS AND SHOULD BE CONSIDERED APPROXIMATE.

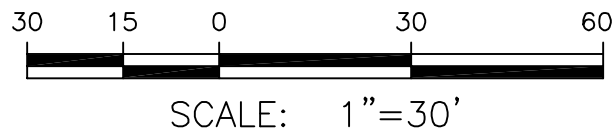
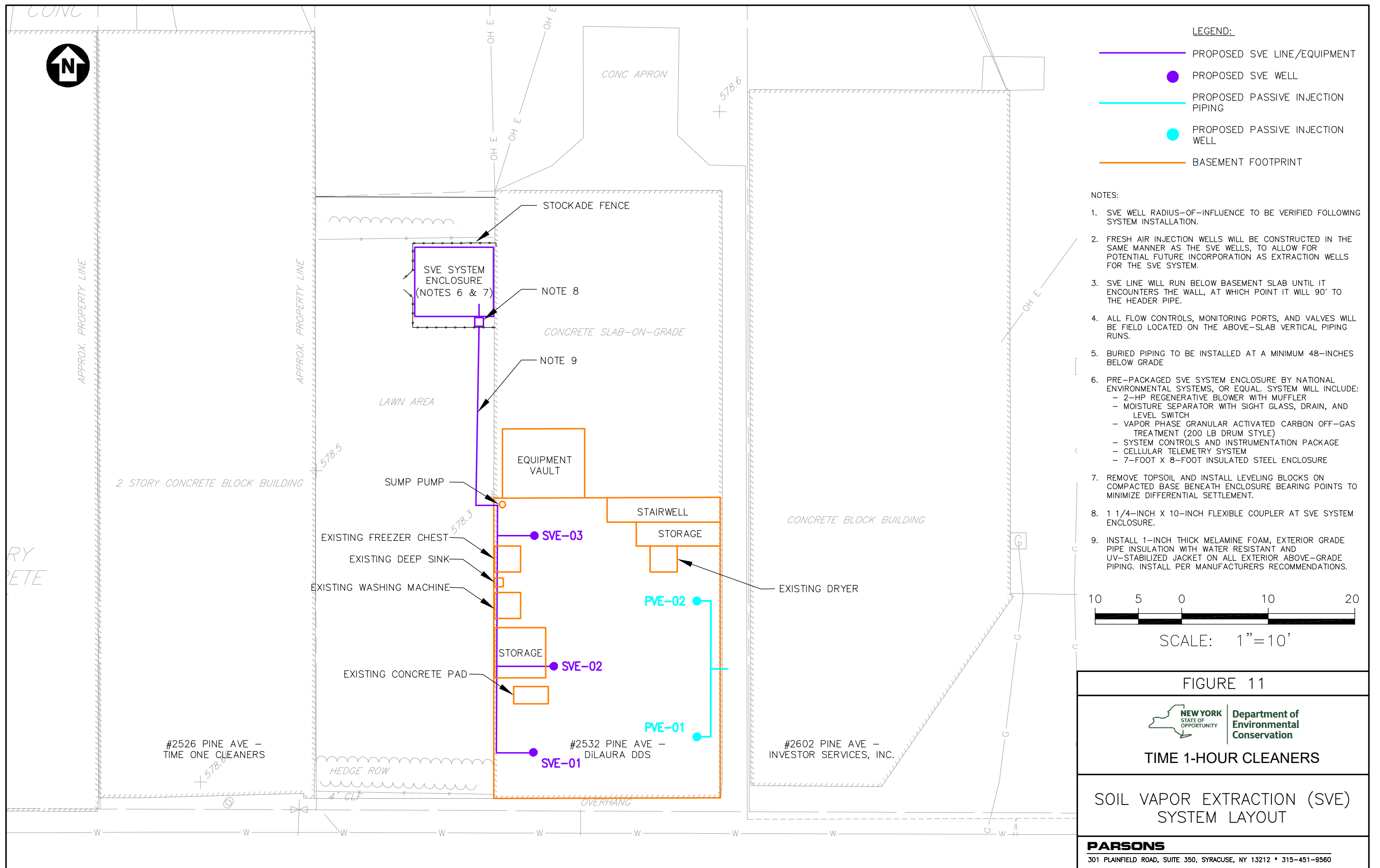


FIGURE 10

TIME 1-HOUR CLEANERS

GROUNDWATER CONTOUR (9/17/19) AND GROUNDWATER /PERCHED WATER RESULTS SUMMARY

PARSONS
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TABLES

Table 1
2011 Subsurface Soil Analytical Summary (RJS Environmental Samples)
Time 1-Hour Cleaners
Niagara Falls, New York

Sample ID:		Part 375 Restricted Residential use SCOs.	SB-1 (8-10')	SB-2 (14-16')	SB-2 (8-10')	SB-3 (8-10')	SB-4 (14-16')	SB-4 (6-8')
Date Sampled	Units		Current/Historic Dry Cleaner					
PID Reading (ppm)			7/20/2011 300	7/20/2011 89.6	7/20/2011 159	7/20/2011 150	7/20/2011 53.6	7/20/2011 257
VOCs								
1,1-Dichloroethane	mg/kg	19	ND	0.157	ND	ND	ND	ND
cis-1,2-Dichloroethene	mg/kg	59	1.52	0.201	0.368	1.81	0.362	0.266
Tetrachloroethene	mg/kg	5.5	373	7.92	66.7	26.8	26.2	114
1,1,1-Trichloroethane	mg/kg	100	1.11	ND	ND	ND	ND	ND
Trichloroethene	mg/kg	10	1.58	0.335	0.99	3.14	1.07	0.429

Notes:

1. Results taken from RJS report "Phase II Environmental Site Assessment and Vapor Encroachment Screen" (2011)
2. No DUSR was included with the RJS report and there was no indication within the text of the report that these data have been validated.
3. Highlighted cells indicate values exceed Part 375 Restricted Residential Use SCOs referenced in the report (see Note 1).

Table 2A
2014 - 2017 Soil Vapor Intrusion Analytical Summary (Decision Matrix Compound Only)- 2526 Pine Avenue
Time 1-Hour Cleaners
Niagara Falls, New York

			July 2011 ¹		March 2012 ²			
NYSDEC-Pine Ave Site Validated Air Analytical Data 2526 Pine Avenue Property Decision Matrix Compounds Only		Location ID:	SUB SLAB 1	SUB SLAB 2	2526 Pine Ave.	2526 Pine Ave.	2526 Pine Ave.	2526 Pine Ave.
		Sample ID:	SUBSLAB-1	SUBSLAB-2	008	009	010	007
		Lab Sample Id:	MC2124-1	MC2124-2	H2C220402-008	H2C220402-009	H2C220402-010	H2C220402-007
		Source:	Accutest	Accutest	Test America	Test America	Test America	Test America
		SDG:	J19389	J19389	H2C220402	H2C220402	H2C220402	H2C220402
		Matrix:	AIR	AIR	AIR	AIR	AIR	AIR
		Sample Type:	Sub-Slab	Sub-Slab	Indoor Air	Indoor Air	Indoor Air	Sub-Slab
		Location:	1st Floor	1st Floor	1st Floor	2nd Floor	2nd Floor DUP	1st Floor
	Sampled:	7/20/2011	7/20/2011	3/16/2012	3/16/2012	3/16/2012	3/16/2012	
CAS NO.	COMPOUND	UNITS:						
	VOLATILES							
71-55-6	1,1,1-TRICHLOROETHANE	ug/m3	ND	ND	U	U	U	U
75-35-4	1,1-DICHLOROETHENE	ug/m3	ND	ND	U	U	U	U
56-23-5	CARBON TETRACHLORIDE	ug/m3	ND	ND	U	U	0.54	U
156-59-2	CIS-1,2-DICHLOROETHYLENE	ug/m3	130	718	U	U	U	3.5
75-09-2	METHYLENE CHLORIDE	ug/m3	ND	ND	U	U	0.94	U
127-18-4	TETRACHLOROETHYLENE(PCE)	ug/m3	83400	44600	1200	220	410 D	400
79-01-6	TRICHLOROETHYLENE (TCE)	ug/m3	21400	20700	710	95	190 D	130
75-01-4	VINYL CHLORIDE	ug/m3	ND	ND	U	U	U	U

Notes:

ug/m3 - micrograms per cubic meter

ug/L - micrograms per liter

ND - compound not detected.

J - estimated concentration.

* - Results from exhaust not applicable to DOH Indoor Air Matrices. Results shows that the SSDS is successfully remove vapors from the building.

1. Sampling completed by RJS Environmental and summarized in the Phase II Environmental Site Assessment and Vapor Encroachment Screen Report, August 3, 2011.

2. Sampling completed by Groundwater & Environmental Services, Inc. (GES); Validated data and DUSR can be found in the Soil Vapor Intrusion Investigation Summary letter report dated June 27, 2012.

REQUIRED ACTION(S) (Per NYSDOH May 2017 Decision Matrices):

	Identify Source(s) and Resample or Mitigate
	Monitor
	Mitigate

Table 2B
2014-2018 Soil Vapor Intrusion Analytical Summary (Decision Matrix Compounds Only) - 2532 Pine Ave
Time 1-Hour Cleaners
Niagara Falls, New York

			March 2012 ¹					
NYSDEC-Pine Ave Site Validated Air Analytical Data 2532 Pine Ave Decision Matrix Compounds Only		Location ID:	2532 Pine Ave	2532 Pine Ave	2532 Pine Ave	2532 Pine Ave	2532 Pine Ave	2532 Pine Ave
		Sample ID:	Building #1 SS	Building # 1 SS DUP	Building # 1 Basement	Building # 1 1st Floor	Building # 1 2nd Floor	Building # 1 Outdoor
		Lab Sample Id:	H2C220402-001	H2C220402-002	H2C220402-003	H2C220402-004	H2C220402-005	H2C220402-006
		Source:	Test America	Test America	Test America	Test America	Test America	Test America
		SDG:	H2C220402	H2C220402	H2C220402	H2C220402	H2C220402	H2C220402
		Matrix:	AIR	AIR	AIR	AIR	AIR	Air
		Sample Type:	Sub-Slab	Sub-Slab DUP	Indoor Air	Indoor Air	Indoor Air	Outdoor Air
		Location:	1st Floor	1st Floor	Basement	1st Floor	2nd Floor	Outside
		Sampled:	3/16/2012	3/16/2012	3/16/2012	3/16/2012	3/16/2012	3/16/2012
CAS NO.	COMPOUND	UNITS:						
	VOLATILES							
71-55-6	1,1,1-TRICHLOROETHANE	ug/m3	U	U	U	U	U	U
75-35-4	1,1-DICHLOROETHENE	ug/m3	U	U	U	U	U	U
56-23-5	CARBON TETRACHLORIDE	ug/m3	0.57	0.61	U	0.53	0.42	0.49
156-59-2	CIS-1,2-DICHLOROETHYLENE	ug/m3	U	U	31	7.2	5.5	U
75-09-2	METHYLENE CHLORIDE	ug/m3	0.95	U	U	U	1.4	1.1
127-18-4	TETRACHLOROETHYLENE(PCE)	ug/m3	8.1	10	1100 D	380 D	160 D	6.2
79-01-6	TRICHLOROETHYLENE (TCE)	ug/m3	0.83	1	50	13	7.6	0.54
75-01-4	VINYL CHLORIDE	ug/m3	U	U	U	U	U	U

Notes:

ug/m3 - micrograms per cubic meter

ug/L - micrograms per liter

ND - compound not detected.

J - estimated concentration.

1. Sampling completed by Groundwater & Environmental Services, Inc. (GES);

REQUIRED ACTION(S) (Per NYSDOH May 2017 Decision Matrices):

	Identify Source(s) and Resample or Mitigate
	Monitor
	Mitigate

Table 3A
2014 Surface and Subsurface Soil Analytical Results - Detected Compounds
Time 1-Hour Cleaners
Niagara Falls, New York

						Dup of SS-02_042314								
NYSDEC-Pine Ave Site 2014 Site Investigation Validated Soil Analytical Data Detected Compound Summary		6 NYCRR Part 375 Unrestricted Use Cleanup Objective (ppm) NS = not specified	6 NYCRR Part 375 Residential Use Cleanup Objective (ppm) NS = not specified	6 NYCRR Part 375 Protection of Groundwater Cleanup Objective (ppm) NS = not specified	Location ID: Sample ID: Depth: Lab Sample Id: Source: SDG: Matrix: Sampled: Validated:	SS-01 SS-01_042514 0-0.5 ft 14D1023-04 CONTEST 14D01023 SOIL 4/25/2014 8:00 7/13/2014	SS-02 SS-02_042314 0-0.5 ft 14D0923-05 CONTEST 14D0923 SOIL 4/23/2014 14:55 7/13/2014	SS-02 SS-102_042314 0-0.5 ft 14D0923-06 CONTEST 14D0923 SOIL 4/23/2014 14:56 7/13/2014	SS-03 SS-03_042214 0-0.5 ft 14D0849-01 CONTEST 14D0849 SOIL 4/22/2014 15:15 7/13/2014	SB-06 SB-06_04221401 11-13 ft 14D0849-02 CONTEST 14D0849 SOIL 4/22/2014 11:00 7/13/2014	SB-06 SB-06_04221402 17-18.7 ft 14D0849-03 CONTEST 14D0849 SOIL 4/22/2014 13:30 7/13/2014	SB-07 SB-07_04241401 11-13 ft 14D0981-01 CONTEST 14D0981 SOIL 4/24/2014 9:45 7/13/2014	SB-07 SB-07_04241402 15-17 ft 14D0981-02 CONTEST 14D0981 SOIL 4/24/2014 10:00 7/13/2014	SB-09 SB-09_04241401 5-7 ft 14D0981-03 CONTEST 14D0981 SOIL 4/24/2014 13:05 7/13/2014
CAS NO.	COMPOUND				UNITS:									
	VOLATILES													
75-34-3	1,1-DICHLOROETHANE	0.27	19	0.27	mg/kg	0.11 U	0.00063 U	0.00052 U	0.0006 U	0.00068 U	0.00053 U	0.00075 U	0.00053 U	0.00056 U
75-35-4	1,1-DICHLOROETHENE	0.33	100	0.33	mg/kg	0.12 U	0.00099 U	0.00081 U	0.00094 U	0.0011 U	0.00083 U	0.0012 U	0.00083 U	0.00087 U
95-63-6	1,2,4-TRIMETHYLBENZENE	3.6	47	3.6	mg/kg	0.074 U	0.00072 UJ	0.00059 UJ	0.00069 U	0.00078 U	0.00061 U	0.00085 UJ	0.0028 J	0.00064 UJ
108-67-8	1,3,5-TRIMETHYLBENZENE (MESITYLENE)	8.4	47	8.4	mg/kg	0.074 U	0.00054 UJ	0.00044 UJ	0.00051 U	0.00058 U	0.00045 U	0.00064 UJ	0.0023 J	0.00048 UJ
71-43-2	BENZENE	0.06	2.9	0.06	mg/kg	0.061 U	0.00063 U	0.00052 U	0.0006 U	0.00068 U	0.00053 U	0.00075 U	0.0008 J	0.00056 U
156-59-2	CIS-1,2-DICHLOROETHYLENE	0.25	59	0.25	mg/kg	0.061 U	0.0048 J	0.00094 J	0.012	0.00078 U	0.00061 U	0.00085 U	0.0006 U	0.0053
100-41-4	ETHYLBENZENE	1	30	1	mg/kg	0.061 U	0.0024 J	0.00059 UJ	0.00069 U	0.00078 U	0.00061 U	0.00085 UJ	0.0022 J	0.00064 UJ
79601-23-1	M AND P XYLENES	0.26	100	1.6	mg/kg	0.086 U	0.0051 J	0.004 J	0.0015 U	0.0017 U	0.0013 U	0.0018 UJ	0.0056 J	0.0014 UJ
75-09-2	METHYLENE CHLORIDE	0.05	51	0.05	mg/kg	2.7 U	0.0098 J	0.0052 UJ	0.0061 UJ	0.0069 UJ	0.0054 UJ	0.0076 UJ	0.0053 UJ	0.0056 UJ
95-47-6	O-XYLENE (1,2-DIMETHYLBENZENE)	0.26	100	1.6	mg/kg	0.061 U	0.0031 J	0.00052 UJ	0.0006 U	0.00068 U	0.00053 U	0.00075 UJ	0.0029 J	0.00056 UJ
127-18-4	TETRACHLOROETHYLENE(PCE)	1.3	5.5	1.3	mg/kg	200	2.5	0.054	38	0.0013 U	0.00099 U	0.0014 U	0.00098 U	0.045
108-88-3	TOLUENE	0.7	100	0.7	mg/kg	0.049 U	0.0026 J	0.0019 J	0.00069 U	0.00078 U	0.00061 U	0.00085 UJ	0.0035 J	0.00064 UJ
156-60-5	TRANS-1,2-DICHLOROETHENE	0.19	100	0.19	mg/kg	0.086 U	0.00081 U	0.00066 U	0.0027	0.00088 U	0.00068 U	0.00096 U	0.00068 U	0.00071 U
79-01-6	TRICHLOROETHYLENE (TCE)	0.47	10	0.47	mg/kg	0.45 J	0.031 J	0.009 J	0.075	0.00088 U	0.00068 U	0.00096 U	0.00068 U	0.0091
75-01-4	VINYL CHLORIDE	0.02	0.21	0.02	mg/kg	0.2 U	0.00099 U	0.00081 U	0.00094 U	0.0011 U	0.00083 U	0.0012 U	0.00083 U	0.00087 U
60-29-7	DIETHYL ETHER (ETHYL ETHER)	NS	NS	NS	mg/kg	0.12 U	0.0022 J	0.0013 U	0.0015 U	0.0018 U	0.0014 U	0.0025 J	0.0014 U	0.0014 U
	XYLENES, TOTAL	0.26	100	1.6	mg/kg	200	2.5	0.058	38	0.0030	0.0023	0.0032	0.0066	0.046
	SEMIVOLATILES													
56-55-3	BENZO(A)ANTHRACENE	1	1	1	mg/kg	0.36 U	0.14 J	0.13 J	0.76	0.096 U	0.083 U	0.1 U	0.082 U	0.095 U
50-32-8	BENZO(A)PYRENE	1	1	22	mg/kg	R	0.17 J	0.15 J	0.84	0.075 U	0.064 U	0.078 U	0.064 U	0.074 U
205-99-2	BENZO(B)FLUORANTHENE	1	1	1.7	mg/kg	R	0.32	0.28	1.3	0.19 U	0.16 U	0.19 UJ	0.16 UJ	0.18 UJ
191-24-2	BENZO(G,H,I)PERYLENE	100	100	1000	mg/kg	R	0.15 U	0.14 U	0.52	0.17 U	0.15 U	0.18 U	0.15 U	0.17 U
207-08-9	BENZO(K)FLUORANTHENE	0.8	1	1.7	mg/kg	R	0.16 U	0.16 U	0.53	0.19 U	0.16 U	0.2 UJ	0.16 UJ	0.19 UJ
85-68-7	BENZYL BUTYL PHTHALATE	NS	NS	NS	mg/kg	0.64 U	0.18 J	0.15 J	0.29 U	0.17 U	0.15 U	0.18 U	0.14 U	0.17 U
117-81-7	BIS(2-ETHYLHEXYL) PHTHALATE	NS	NS	NS	mg/kg	0.36 U	0.53 J	0.35 UJ	25	0.42 U	0.36 U	0.44 U	0.36 U	0.42 U
218-01-9	CHRYSENE	1	1	1	mg/kg	0.52 U	0.19	0.19	0.96	0.14 U	0.12 U	0.14 U	0.12 U	0.14 U
206-44-0	FLUORANTHENE	100	100	1000	mg/kg	0.72 U	0.21	0.25	1.6	0.19 U	0.16 U	0.2 U	0.16 U	0.19 U
193-39-5	INDENO(1,2,3-C,D)PYRENE	0.5	0.5	8.2	mg/kg	R	0.12 U	0.12 U	0.59	0.14 U	0.12 U	0.14 U	0.12 U	0.14 U
85-01-8	PHENANTHRENE	100	100	1000	mg/kg	0.43 U	0.1 J	0.095 U	0.87	0.11 U	0.098 U	0.12 U	0.097 U	0.11 U
129-00-0	PYRENE	100	100	1000	mg/kg	0.55 U	0.14 J	0.14 J	1	0.15 U	0.13 U	0.15 U	0.13 U	0.15 U
	PESTICIDES													
60-57-1	DIELDRIN	0.005	0.039	0.1	mg/kg	0.00035 U	0.0057 J	0.00031 UJ	0.00032 U	0.00037 U	0.00031 U	0.00039 UJ	0.00032 UJ	0.00036 UJ
72-54-8	P,P'-DDD	0.0033	2.6	14	mg/kg	0.0013	0.0021 J	0.00042 U	0.0053	0.00049 U	0.00041 U	0.00052 UJ	0.00042 UJ	0.00048 UJ
72-55-9	P,P'-DDE	0.0033	1.8	17	mg/kg	0.0034	0.007 J	0.0014 J	0.007	0.00037 U	0.00031 U	0.00039 UJ	0.00032 UJ	0.00036 UJ
50-29-3	P,P'-DDT	0.0033	1.7	136	mg/kg	0.01	0.018 J	0.0035 J	0.028 J	0.00049 U	0.00041 U	0.00052 U	0.00042 U	0.00048 U
	PCBs													
11096-82-5	PCB-1260 (AROCLO 1260)	0.1	1	3.2	mg/kg	0.011 U	0.0099 U	0.01 U	0.16	0.012 U	0.0099 U	0.012 U	0.01 U	0.012 U
	HERBICIDES													

Table 3A
2014 Surface and Subsurface Soil Analytical Results - Detected Compounds
Time 1-Hour Cleaners
Niagara Falls, New York

							Dup of SS-02_042314									
NYSDEC-Pine Ave Site 2014 Site Investigation Validated Soil Analytical Data Detected Compound Summary		6 NYCRR Part 375 Unrestricted Use Cleanup Objective (ppm) NS = not specified	6 NYCRR Part 375 Residential Use Cleanup Objective (ppm) NS = not specified	6 NYCRR Part 375 Protection of Groundwater Cleanup Objective (ppm) NS = not specified	Location ID: Sample ID: Depth: Lab Sample Id: Source: SDG: Matrix: Sampled: Validated:	SS-01 SS-01_042514 0-0.5 ft 14D1023-04 CONTEST 14D01023 SOIL 4/25/2014 8:00 7/13/2014	SS-02 SS-02_042314 0-0.5 ft 14D0923-05 CONTEST 14D0923 SOIL 4/23/2014 14:55 7/13/2014	SS-02 SS-102_042314 0-0.5 ft 14D0923-06 CONTEST 14D0923 SOIL 4/23/2014 14:56 7/13/2014	SS-03 SS-03_042214 0-0.5 ft 14D0849-01 CONTEST 14D0849 SOIL 4/22/2014 15:15 7/13/2014	SB-06 SB-06_04221401 11-13 ft 14D0849-02 CONTEST 14D0849 SOIL 4/22/2014 11:00 7/13/2014	SB-06 SB-06_04221402 17-18.7 ft 14D0849-03 CONTEST 14D0849 SOIL 4/22/2014 13:30 7/13/2014	SB-07 SB-07_04241401 11-13 ft 14D0981-01 CONTEST 14D0981 SOIL 4/24/2014 9:45 7/13/2014	SB-07 SB-07_04241402 15-17 ft 14D0981-02 CONTEST 14D0981 SOIL 4/24/2014 10:00 7/13/2014	SB-09 SB-09_04241401 5-7 ft 14D0981-03 CONTEST 14D0981 SOIL 4/24/2014 13:05 7/13/2014		
		CAS NO.	COMPOUND				UNITS:									
			INORGANICS													
		7429-90-5	ALUMINUM	NS	NS	NS	mg/kg	1700 J	3300	2500	5600	12000	2500	13000	2400	9900
		7440-38-2	ARSENIC	13	16	16	mg/kg	7.4	10	9.9	9.3	4	7.2	3.5	7	6.8
7440-39-3	BARIUM	350	350	820	mg/kg	22 J	73	49	240	100	28	94	31	74		
7440-41-7	BERYLLIUM	7.2	14	47	mg/kg	0.16 J	0.26 J	0.61 J	0.41	0.65	0.16 J	0.78	0.16 J	0.56		
7440-43-9	CADMIUM	2.5	2.5	7.5	mg/kg	0.5 J	2.2	2.7	70	0.27 J	1.5	0.19 J	0.64	0.26 J		
7440-70-2	CALCIUM	NS	NS	NS	mg/kg	150000 J	160000	180000	68000	45000	160000	41000	150000	48000		
7440-47-3	CHROMIUM, TOTAL	NS	NS	NS	mg/kg	7.4	130 J	39 J	240	19	4.9	21	4.3	16		
7440-48-4	COBALT	NS	NS	NS	mg/kg	1.3 J	2.7	2.2 J	6.2	10	2.1 J	11	2.2 J	9.4		
7440-50-8	COPPER	50	270	1720	mg/kg	11	23	15	44	16	8.1	20	31	22		
7439-89-6	IRON	NS	NS	NS	mg/kg	4800 J	9100	7500	29000	22000	6200	21000	5600	18000		
7439-92-1	LEAD	63	400	450	mg/kg	47	150	100	300	7.9	34	8.6	27	7.4		
7439-95-4	MAGNESIUM	NS	NS	NS	mg/kg	69000	84000	79000	34000	11000	77000	16000	66000	8700		
7439-96-5	MANGANESE	1600	2000	2000	mg/kg	400	680	610	590	670	560	580	750	680		
7439-97-6	MERCURY	0.18	0.81	0.73	mg/kg	0.054	0.34 J	0.092 J	0.59	0.012 J	0.0097 J	0.0095 J	0.0042 J	0.0098 J		
7440-02-0	NICKEL	30	140	130	mg/kg	6.3 J	13	8.8	35	22	4.1	25	3.6	20		
7440-09-7	POTASSIUM	NS	NS	NS	mg/kg	530	920	1000	960	2500	900	3500	700	1700		
7440-23-5	SODIUM	NS	NS	NS	mg/kg	320 J	670	990	500	180	220	310 J+	290 J+	200 J+		
7440-62-2	VANADIUM	NS	NS	NS	mg/kg	9.3	6.6 J	3.9 J	17	25	3.4	27	3.9	24		
7440-66-6	ZINC	109	2200	2480	mg/kg	79 J	300	470	350	48	310	56	130	42		
57-12-5	CYANIDE	27	27	40	mg/kg	0.34 U	0.35 J	0.32 U	0.53 J	0.39 U	0.32 U	0.38 U	0.37 J	0.37 U		

Notes:
U : compound not detected. Detection limit posted.
J : estimated concentration below the contract required detection limit.
UJ : estimated nondetected result
J+ : estimated biased high result
R - result rejected
NS - No Standard or Guidance Criteria.
NA - Sample not analyzed for indicated analyte

	Exceeds NYCRR Part 375 Unrestricted-Use SCO
	Exceeds NYCRR Part 375 Residential Use SCO
	Exceeds NYCRR Part 375 Protection of Groundwater SCO

Table 3A
2014 Surface and Subsurface Soil Analytical Results - Detected Compounds
Time 1-Hour Cleaners
Niagara Falls, New York

											Dup of MW-04_04231401			
NYSDEC-Pine Ave Site 2014 Site Investigation Validated Soil Analytical Data Detected Compound Summary		6 NYCRR Part 375 Unrestricted Use Cleanup Objective (ppm) NS = not specified	6 NYCRR Part 375 Residential Use Cleanup Objective (ppm) NS = not specified	6 NYCRR Part 375 Protection of Groundwater Cleanup Objective (ppm) NS = not specified	Location ID: Sample ID: Depth: Lab Sample Id: Source: SDG: Matrix: Sampled: Validated:	SB-09 SB-09_04241402 15-16.3 ft 14D0981-04 CONTEST 14D0981 SOIL 4/24/2014 13:20 7/13/2014	MW-02 MW-02_042514_5_7 5-7 ft 14D1023-01 CONTEST 14D01023 SOIL 4/25/2014 8:30 7/13/2014	MW-02 MW-02_042514_15_17 15-17 ft 14D1023-02 CONTEST 14D01023 SOIL 4/25/2014 8:45 7/13/2014	MW-04 MW-04_04231401 11-13 ft 14D0923-02 CONTEST 14D0923 SOIL 4/23/2014 13:15 7/13/2014	MW-04 MW-104_042314 11-13 ft 14D0923-04 CONTEST 14D0923 SOIL 4/23/2014 13:16 7/13/2014	MW-04 MW-04_04231402 15-16 ft 14D0923-03 CONTEST 14D0923 SOIL 4/23/2014 13:30 7/13/2014	MW-05 MW-05_042314 11-13 ft 14D0923-01 CONTEST 14D0923 SOIL 4/23/2014 10:00 7/13/2014	MW-06 MW-06_042514 15-16.8 ft 14D1023-03 CONTEST 14D01023 SOIL 4/25/2014 11:45 7/13/2014	
CAS NO.	COMPOUND				UNITS:									
	VOLATILES													
75-34-3	1,1-DICHLOROETHANE	0.27	19	0.27	mg/kg	0.00049 U	0.1 U	0.077 U	0.0055 J	0.00066 UJ	0.0005 U	0.00051 U	0.00052 U	
75-35-4	1,1-DICHLOROETHENE	0.33	100	0.33	mg/kg	0.00076 U	0.11 U	0.086 U	0.0054 J	0.001 UJ	0.00079 U	0.0008 U	0.00082 U	
95-63-6	1,2,4-TRIMETHYLBENZENE	3.6	47	3.6	mg/kg	0.00055 UJ	0.069 U	0.051 U	R	0.00075 UJ	0.0017 J	0.00058 UJ	0.0006 UJ	
108-67-8	1,3,5-TRIMETHYLBENZENE (MESITYLENE)	8.4	47	8.4	mg/kg	0.00042 UJ	0.069 U	0.051 U	0.00071 UJ	0.00056 UJ	0.00043 UJ	0.00044 UJ	0.00045 UJ	
71-43-2	BENZENE	0.06	2.9	0.06	mg/kg	0.00049 U	0.057 U	0.043 U	0.00083 U	0.00066 U	0.0005 U	0.00051 U	0.00052 U	
156-59-2	CIS-1,2-DICHLOROETHYLENE	0.25	59	0.25	mg/kg	0.00055 U	0.31 J	0.45 J	0.71 J	0.026 J	0.0036	0.00058 U	0.0025	
100-41-4	ETHYLBENZENE	1	30	1	mg/kg	0.00055 UJ	0.057 U	0.043 U	0.00095 UJ	0.00075 UJ	0.0019 J	0.00058 UJ	0.0006 UJ	
79601-23-1	M AND P XYLENES	0.26	100	1.6	mg/kg	0.0012 UJ	0.08 U	0.06 U	0.002 UJ	0.0016 UJ	0.0041 J	0.0012 UJ	0.0013 UJ	
75-09-2	METHYLENE CHLORIDE	0.05	51	0.05	mg/kg	0.0049 UJ	2.5 U	1.9 U	0.0084 UJ	0.0067 UJ	0.0051 UJ	0.0052 UJ	0.0053 UJ	
95-47-6	O-XYLENE (1,2-DIMETHYLBENZENE)	0.26	100	1.6	mg/kg	0.00049 UJ	0.057 U	0.043 U	0.00083 UJ	0.00066 UJ	0.0025 J	0.00051 UJ	0.00052 UJ	
127-18-4	TETRACHLOROETHYLENE(PCE)	1.3	5.5	1.3	mg/kg	0.0023	140	75	0.0064	0.008	0.012	0.00095 U	0.011	
108-88-3	TOLUENE	0.7	100	0.7	mg/kg	0.0017 J	0.046 U	0.034 U	0.00095 UJ	0.00075 UJ	0.0021 J	0.0018 J	0.0006 UJ	
156-60-5	TRANS-1,2-DICHLOROETHENE	0.19	100	0.19	mg/kg	0.00062 U	0.08 U	0.06 U	0.0016 J	0.00084 U	0.00064 U	0.00066 U	0.00067 U	
79-01-6	TRICHLOROETHYLENE (TCE)	0.47	10	0.47	mg/kg	0.00062 U	0.78 J	1.6	0.0069	0.0045	0.0047	0.00066 U	0.0047	
75-01-4	VINYL CHLORIDE	0.02	0.21	0.02	mg/kg	0.00076 U	0.18 U	0.14 U	0.042 J	0.009 J	0.001 J	0.0008 U	0.00082 U	
60-29-7	DIETHYL ETHER (ETHYL ETHER)	NS	NS	NS	mg/kg	0.0012 U	0.11 U	0.086 U	0.0021 U	0.0017 U	0.0013 U	0.0013 U	0.0013 U	
	XYLENES, TOTAL	0.26	100	1.6	mg/kg	0.0035	140	75	0.0084	0.0096	0.016	0.0022	0.012	
	SEMIVOLATILES													
56-55-3	BENZO(A)ANTHRACENE	1	1	1	mg/kg	0.086 U	0.093 U	0.085 U	0.09 U	0.092 U	0.087 U	0.085 U	0.091 U	
50-32-8	BENZO(A)PYRENE	1	1	22	mg/kg	0.067 U	0.073 U	0.066 U	0.07 U	0.071 U	0.068 U	0.067 U	0.071 U	
205-99-2	BENZO(B)FLUORANTHENE	1	1	1.7	mg/kg	0.17 UJ	0.18 U	0.16 U	0.17 U	0.18 U	0.17 U	0.17 U	0.18 U	
191-24-2	BENZO(G,H,I)PERYLENE	100	100	1000	mg/kg	0.15 U	0.17 U	0.15 U	0.16 U	0.16 U	0.16 U	0.15 U	0.16 U	
207-08-9	BENZO(K)FLUORANTHENE	0.8	1	1.7	mg/kg	0.17 UJ	0.19 U	0.17 U	0.18 U	0.18 U	0.17 U	0.17 U	0.18 U	
85-68-7	BENZYL BUTYL PHTHALATE	NS	NS	NS	mg/kg	0.15 U	0.16 U	0.15 U	0.16 U	0.16 U	0.15 U	0.15 U	0.16 U	
117-81-7	BIS(2-ETHYLHEXYL) PHTHALATE	NS	NS	NS	mg/kg	0.38 U	0.41 U	0.37 U	0.4 U	0.4 U	0.39 U	0.38 U	0.4 U	
218-01-9	CHRYSENE	1	1	1	mg/kg	0.12 U	0.13 U	0.12 U	0.13 U	0.13 U	0.12 U	0.12 U	0.13 U	
206-44-0	FLUORANTHENE	100	100	1000	mg/kg	0.17 U	0.19 U	0.17 U	0.18 U	0.18 U	0.17 U	0.17 U	0.18 U	
193-39-5	INDENO(1,2,3-C,D)PYRENE	0.5	0.5	8.2	mg/kg	0.12 U	0.13 U	0.12 U	0.13 U	0.13 U	0.13 U	0.12 U	0.13 U	
85-01-8	PHENANTHRENE	100	100	1000	mg/kg	0.1 U	0.11 U	0.1 U	0.11 U	0.11 U	0.1 U	0.1 U	0.11 U	
129-00-0	PYRENE	100	100	1000	mg/kg	0.13 U	0.14 U	0.13 U	0.14 UJ	0.14 UJ	0.13 UJ	0.13 UJ	0.14 U	
	PESTICIDES													
60-57-1	DIELDRIN	0.005	0.039	0.1	mg/kg	0.00033 UJ	0.000035 U	0.00031 U	0.00034 U	0.00036 U	0.00033 U	0.00033 U	0.00034 U	
72-54-8	P,P'-DDD	0.0033	2.6	14	mg/kg	0.0014 J	0.000047 U	0.0021	0.0011 U	0.00048 U	0.0011 U	0.0013	0.00046 U	
72-55-9	P,P'-DDE	0.0033	1.8	17	mg/kg	0.00033 UJ	0.000035 U	0.00031 U	0.00034 U	0.00036 U	0.00033 U	0.00033 U	0.00034 U	
50-29-3	P,P'-DDT	0.0033	1.7	136	mg/kg	0.00044 U	0.000047 U	0.00042 U	0.00046 U	0.00048 U	0.00044 U	0.00045 J	0.00046 U	
	PCBs													
11096-82-5	PCB-1260 (AROCLOR 1260)	0.1	1	3.2	mg/kg	0.011 U	0.011 U	0.01 U	0.011 U	0.012 U	0.011 U	0.011 U	0.011 U	
	HERBICIDES													

Table 3A
2014 Surface and Subsurface Soil Analytical Results - Detected Compounds
Time 1-Hour Cleaners
Niagara Falls, New York

										Dup of MW-04_04231401					
NYSDEC-Pine Ave Site 2014 Site Investigation Validated Soil Analytical Data Detected Compound Summary		6 NYCRR Part 375 Unrestricted Use Cleanup Objective (ppm) NS = not specified	6 NYCRR Part 375 Residential Use Cleanup Objective (ppm) NS = not specified	6 NYCRR Part 375 Protection of Groundwater Cleanup Objective (ppm) NS = not specified	Location ID: Sample ID: Depth: Lab Sample Id: Source: SDG: Matrix: Sampled: Validated:	SB-09 SB-09_04241402 15-16.3 ft 14D0981-04 CONTEST 14D0981 SOIL 4/24/2014 13:20 7/13/2014	MW-02 MW-02_042514_5_7 5-7 ft 14D1023-01 CONTEST 14D01023 SOIL 4/25/2014 8:30 7/13/2014	MW-02 MW-02_042514_15_17 15-17 ft 14D1023-02 CONTEST 14D01023 SOIL 4/25/2014 8:45 7/13/2014	MW-04 MW-04_04231401 11-13 ft 14D0923-02 CONTEST 14D0923 SOIL 4/23/2014 13:15 7/13/2014	MW-04 MW-104_042314 11-13 ft 14D0923-04 CONTEST 14D0923 SOIL 4/23/2014 13:16 7/13/2014	MW-04 MW-04_04231402 15-16 ft 14D0923-03 CONTEST 14D0923 SOIL 4/23/2014 13:30 7/13/2014	MW-05 MW-05_042314 11-13 ft 14D0923-01 CONTEST 14D0923 SOIL 4/23/2014 10:00 7/13/2014	MW-06 MW-06_042514 15-16.8 ft 14D1023-03 CONTEST 14D01023 SOIL 4/25/2014 11:45 7/13/2014		
		CAS NO.	COMPOUND				UNITS:								
			INORGANICS												
		7429-90-5	ALUMINUM	NS	NS	NS	mg/kg	4000	14000 J	3600 J	14000 J	5200 J	3900	4200	4600 J
		7440-38-2	ARSENIC	13	16	16	mg/kg	4.5	2 J	5.8	3.3	5.6	5.3	5.4	6.5
		7440-39-3	BARIUM	350	350	820	mg/kg	59	54 J	48 J	98	61	53	56	47 J
7440-41-7	BERYLLIUM	7.2	14	47	mg/kg	0.23 J	0.67	0.21 J	0.75 J	0.29 J	0.22 J	0.26 J	0.28 J		
7440-43-9	CADMIUM	2.5	2.5	7.5	mg/kg	0.52	0.17 UJ	0.73 J	0.26 J	0.72 J	2.5	0.9	2.3 J		
7440-70-2	CALCIUM	NS	NS	NS	mg/kg	88000	8200 J	110000 J	40000	110000 J	110000	110000	140000 J		
7440-47-3	CHROMIUM, TOTAL	NS	NS	NS	mg/kg	6.6	21	5.6	20 J	8.1 J	6.1	7	7.1		
7440-48-4	COBALT	NS	NS	NS	mg/kg	3.5	8.4	2.9	10 J	4.6 J	3.2	3.6	3.9		
7440-50-8	COPPER	50	270	1720	mg/kg	9.5	14	12	19 J	9.9 J	9.1	10	9.7		
7439-89-6	IRON	NS	NS	NS	mg/kg	7700	19000 J	6800 J	22000 J	11000 J	8500	9500	8200 J		
7439-92-1	LEAD	63	400	450	mg/kg	21	4.4	33	8.9 J	26 J	31	36	41		
7439-95-4	MAGNESIUM	NS	NS	NS	mg/kg	34000	7800	53000	15000 J	49000 J	51000	52000	70000		
7439-96-5	MANGANESE	1600	2000	2000	mg/kg	540	240	540	540	610	560	600	470		
7439-97-6	MERCURY	0.18	0.81	0.73	mg/kg	0.004 U	0.023 J	0.0047 J	0.02 J	0.0045 J	0.0047 J	0.005 J	0.006 J		
7440-02-0	NICKEL	30	140	130	mg/kg	6.9	22 J	5.4 J	23 J	8.6 J	6	6.9	7.5 J		
7440-09-7	POTASSIUM	NS	NS	NS	mg/kg	1100	1300	970	3200 J	1400 J	1100	1100	1300		
7440-23-5	SODIUM	NS	NS	NS	mg/kg	200 J+	180 J	210 J	200	190	160	160	270 J		
7440-62-2	VANADIUM	NS	NS	NS	mg/kg	8.9	24	6.4	26 J	11 J	7.7	8.2	7.5		
7440-66-6	ZINC	109	2200	2480	mg/kg	170	52 J	170 J	66 J	160 J	510	200	530 J		
57-12-5	CYANIDE	27	27	40	mg/kg	0.73	0.35 U	0.33 U	0.35 U	0.36 U	0.33 U	0.34 U	0.35 U		

Notes:
U : compound not detected. Detection limit posted.
J : estimated concentration below the contract required detection limit.
UJ : estimated nondetected result
J+ : estimated biased high result
R - result rejected
NS - No Standard or Guidance Criteria.
NA - Sample not analyzed for indicated analyte

	Exceeds NYCRR Part 375 Unrestricted-Use SCO
	Exceeds NYCRR Part 375 Residential Use SCO
	Exceeds NYCRR Part 375 Protection of Groundwater SCO

Table 3B
2018 Subsurface Soil Analytical Results - Detected Compounds
Time 1-Hour Cleaners
Niagara Falls, New York

								Dup of		
								SB-10		
								PINE AVE-004-01		
NYSDEC-Pine Ave Site 2018 Site Investigation Validated Soil Analytical Data Detected Compound Summary		6 NYCRR Part 375 Unrestricted Use Cleanup Objective (ppm) NS = not specified	6 NYCRR Part 375 Residential Use Cleanup Objective (ppm) NS = not specified	6 NYCRR Part 375 Protection of Groundwater Cleanup Objective (ppm) NS = not specified	Location ID: Depth: Sample ID: Lab Sample I Source: SDG: Matrix: Sampled: Validated:	MW-07 11.5-12.0 ft PINE AVE-001-01 JC67840-1 ACCUTEST JC67840 SOIL 6/11/2018 11:00 8/12/2018	MW-09 14.5-15.5 ft PINE AVE-003-01 JC68329-1 ACCUTEST JC68329 SOIL 6/18/2018 10:55 8/12/2018	SB-10 9.0-10.0 ft PINE AVE-004-01 JC68469-1 ACCUTEST JC68469 SOIL 6/20/2018 10:10 8/12/2018	SB-10 9.0-10.0 ft PINE AVE-004-02 JC68469-2 ACCUTEST JC68469 SOIL 6/20/2018 0:00 8/12/2018	SB-11 0.5-1.5 ft PINE AVE-005-01 JC69463-1 ACCUTEST JC69463 SOIL 7/6/2018 9:30 8/12/2018
CAS NO.	COMPOUND				UNITS:					
	VOLATILES									
75-35-4	1,1-DICHLOROETHENE	330	100,000	330	ug/kg	1.2	1.1 U	1.1 U	1.1 U	1.9
95-50-1	1,2-DICHLOROBENZENE	1,100	2,300	1,100	ug/kg	0.76 U	1.1 U	1.1 U	1.1 U	0.78 J
78-87-5	1,2-DICHLOROPROPANE	NS	NS	NS	ug/kg	1.5 U	2.2 U	2.2 U	2.1 U	0.51 J
106-46-7	1,4-DICHLOROBENZENE	1,800	9,800	1,800	ug/kg	0.76 U	1.1 U	1.1 U	1.1 U	1 U
67-64-1	ACETONE	50	100,000	50	ug/kg	7.6 U	8.6 J	7.8 J	11 U	22.7
71-43-2	BENZENE	60	2,900	60	ug/kg	0.25 J	0.55 U	0.56 U	0.53 U	0.52 U
75-15-0	CARBON DISULFIDE	NS	NS	NS	ug/kg	1.5 U	1.1 J	2.2 U	2.1 U	1.7 J
108-90-7	CHLOROBENZENE	1,100	100000	1100	ug/kg	1.5 U	2.2 U	2.2 U	2.1 U	2.1 U
156-59-2	CIS-1,2-DICHLOROETHYLENE	250	59,000	250	ug/kg	29.5	1.1 U	1.4	1.4	2070
110-82-7	CYCLOHEXANE	NS	NS	NS	ug/kg	0.78 J	4.1	2.2 U	2.1 U	2.1 U
100-41-4	ETHYLBENZENE	1,000	30,000	1,000	ug/kg	0.76 U	1.1 U	1.1 U	1.1 U	1 U
98-82-8	ISOPROPYLBENZENE (CUMENE)	NS	NS	NS	ug/kg	1.5 U	2.2 U	2.2 U	2.1 U	2.1 U
136777-61-2	M,P-XYLENES	260	100,000	1,600	ug/kg	0.76 U	1.1 U	1.1 U	1.1 U	1 U
108-87-2	METHYLCYCLOHEXANE	NS	NS	NS	ug/kg	0.45 J	2.2 U	2.2 U	2.1 U	2.1 U
75-09-2	METHYLENE CHLORIDE	50	51,000	50	ug/kg	3.8 U	5.5 U	5.6 U	5.3 U	5.2 U
95-47-6	O-XYLENE	260	100,000	1,000	ug/kg	0.76 U	1.1 U	1.1 U	1.1 U	1 U
127-18-4	TETRACHLOROETHYLENE(PCE)	1,300	5,500	1,300	ug/kg	13000	2.2 U	6220 J	2910 J	75500
108-88-3	TOLUENE	700	100,000	700	ug/kg	0.76 U	1.1 U	1.1 U	1.1 U	0.53 J
156-60-5	TRANS-1,2-DICHLOROETHENE	190	100,000	190	ug/kg	0.59 J	1.1 U	1.1 U	1.1 U	9.6
79-01-6	TRICHLOROETHYLENE (TCE)	470	10,000	470	ug/kg	68.8	1.1 U	12.8	12.6	6910
75-01-4	VINYL CHLORIDE	20	210	20	ug/kg	3.6	2.2 U	2.2 U	2.1 U	4.4
XYLENES	XYLENES, TOTAL	260	100,000	1,600	ug/kg	0.76 U	1.1 U	1.1 U	1.1 U	1 U
	SEMIVOLATILES									
85-68-7	BENZYL BUTYL PHTHALATE	NS	NS	NS	ug/kg	72 U	95 U	82 U	83 U	62.4 J
117-81-7	BIS(2-ETHYLHEXYL) PHTHALATE	NS	NS	NS	ug/kg	72 U	95 U	82 U	83 U	79.3 J
86-74-8	CARBAZOLE	NS	NS	NS	ug/kg	72 U	95 U	82 U	83 U	86 U
117-84-0	DI-N-OCTYLPHTHALATE	NS	NS	NS	ug/kg	72 U	95 U	82 U	83 U	86 UJ
	PESTICIDES									
7421-93-4	ENDRIN ALDEHYDE	NS	NS	NS	ug/kg	0.67 U	0.85 U	0.8 U	0.79 U	0.87 U
72-54-8	P,P'-DDD	3.3	2600	14000	ug/kg	0.67 U	0.85 U	0.8 U	0.79 U	0.87 U
	PCBs (None Detected)									
	HERBICIDES (None Detected)									

Table 3B
2018 Subsurface Soil Analytical Results - Detected Compounds
Time 1-Hour Cleaners
Niagara Falls, New York

									Dup of	
									SB-10	
									PINE AVE-004-01	
NYSDEC-Pine Ave Site 2018 Site Investigation Validated Soil Analytical Data Detected Compound Summary		6 NYCRR Part 375 Unrestricted Use Cleanup Objective (ppm) NS = not specified	6 NYCRR Part 375 Residential Use Cleanup Objective (ppm) NS = not specified	6 NYCRR Part 375 Protection of Groundwater Cleanup Objective (ppm) NS = not specified	Location ID: Depth: Sample ID: Lab Sample I Source: SDG: Matrix: Sampled: Validated:	MW-07 11.5-12.0 ft PINE AVE-001-01 JC67840-1 ACCUTEST JC67840 SOIL 6/11/2018 11:00 8/12/2018	MW-09 14.5-15.5 ft PINE AVE-003-01 JC68329-1 ACCUTEST JC68329 SOIL 6/18/2018 10:55 8/12/2018	SB-10 9.0-10.0 ft PINE AVE-004-01 JC68469-1 ACCUTEST JC68469 SOIL 6/20/2018 10:10 8/12/2018	SB-10 9.0-10.0 ft PINE AVE-004-02 JC68469-2 ACCUTEST JC68469 SOIL 6/20/2018 0:00 8/12/2018	SB-11 0.5-1.5 ft PINE AVE-005-01 JC69463-1 ACCUTEST JC69463 SOIL 7/6/2018 9:30 8/12/2018
CAS NO.	COMPOUND				UNITS:					
	INORGANICS									
7429-90-5	ALUMINUM	NS	NS	NS	mg/kg	5310 J	24100	17700	19100	19900
7440-36-0	ANTIMONY	NS	NS	NS	mg/kg	0.51 J	2.8 UJ	0.66 J	0.82 J	2.5 U
7440-38-2	ARSENIC	13	16	16	mg/kg	4.6	3.6	5.3	3.2	6.9 J
7440-39-3	BARIUM	350	350	820	mg/kg	63.7	139	108	87.7	84.8
7440-41-7	BERYLLIUM	7.2	14	47	mg/kg	0.25	1.1	0.81	0.9	0.97
7440-43-9	CADMIUM	2.5	2.5	7.5	mg/kg	0.85	0.11 J	0.2 J	0.19 J	0.63 U
7440-70-2	CALCIUM	NS	NS	NS	mg/kg	106000	50200 J	61400	39200	28300
7440-47-3	CHROMIUM, TOTAL	NS	NS	NS	mg/kg	7.6 J	32.1	24.7	26.3	32.8
7440-48-4	COBALT	NS	NS	NS	mg/kg	4.8 J	15.4	12.8	11.2	11.6
7440-50-8	COPPER	50	270	1720	mg/kg	11.6	21.8	19.1	20.3	16.1
7439-89-6	IRON	NS	NS	NS	mg/kg	9580 J	32900	26800	27700	32800
7439-92-1	LEAD	63	400	450	mg/kg	31.5	10.5	8.8	9	9.1
7439-95-4	MAGNESIUM	NS	NS	NS	mg/kg	42600	14100 J	11900	12400	11900
7439-96-5	MANGANESE	1600	2000	2000	mg/kg	610 J	645	701	398	446
7439-97-6	MERCURY	0.18	0.81	0.73	mg/kg	0.036 U	0.033 U	0.04 U	0.018 J	0.032 J
7440-02-0	NICKEL	30	140	130	mg/kg	9.5	36.5	31.8	27.5	24.9
9/7/7440	POTASSIUM	NS	NS	NS	mg/kg	1600 J	6580 J	4030	4310	3820
7440-22-4	SILVER	2	36	8.3	mg/kg	2.7 U	0.69 U	0.63 U	0.64 U	1.9 U
7440-23-5	SODIUM	NS	NS	NS	mg/kg	194 J	321 J	223 J	202 J	292 J
7440-62-2	VANADIUM	NS	NS	NS	mg/kg	13.7	44.7	34.3	35.9	34.3
7440-66-6	ZINC	109	2200	2480	mg/kg	187 J	69.9 J	56.7	61.8	55.4
	OTHER									
SOLID	SOLIDS, PERCENT	NS	NS	NS	%	89.8	69.8	79	78	76.2

Notes:
U - compound not detected. Detection limit posted.
J - estimated concentration below the detection limit.
UJ - estimated nondetected result
R - result rejected
NS - No Standard or Guidance Criteria.
NA - Sample not analyzed for indicated analyte

Exceeds NYCRR Part 375 Unrestricted-Use SCO
 Exceeds NYCRR Part 375 Residential Use SCO

Table 3B
2018 Subsurface Soil Analytical Results - Detected Compounds
Time 1-Hour Cleaners
Niagara Falls, New York

NYSDEC-Pine Ave Site 2018 Site Investigation Validated Soil Analytical Data Detected Compound Summary		6 NYCRR Part 375 Unrestricted Use Cleanup Objective (ppm) NS = not specified	6 NYCRR Part 375 Residential Use Cleanup Objective (ppm) NS = not specified	6 NYCRR Part 375 Protection of Groundwater Cleanup Objective (ppm) NS = not specified	Location ID: Depth: Sample ID: Lab Sample I Source: SDG: Matrix: Sampled: Validated:	SB-11 1.5-2.0 ft PINE AVE-005-02 JC69463-2 ACCUTEST JC69463 SOIL 7/6/2018 9:35 8/12/2018	SB-11 2.0-2.5 ft PINE AVE-005-03 JC69463-3 ACCUTEST JC69463 SOIL 7/6/2018 9:40 8/12/2018	SB-11 3.0-4.0 ft PINE AVE-005-04 JC69463-4 ACCUTEST JC69463 SOIL 7/6/2018 9:45 8/12/2018	PINEAVE-008-PVE-01 2 - 3 ft PINEAVE-008-PVE-01 JC90608-2 ACCUTEST JC90608 SOIL 6/24/2019 17:00 8/6/2019	PINEAVE-008-PVE-02 2 - 3 ft PINEAVE-008-PVE-02 JC90608-4 ACCUTEST JC90608 SOIL 6/24/2019 17:40 8/6/2019
CAS NO.	COMPOUND				UNITS:					
	VOLATILES									
75-35-4	1,1-DICHLOROETHENE	330	100,000	330	ug/kg	1.2 U	3.8	1.3	1.2 U	140 UJ
95-50-1	1,2-DICHLOROBENZENE	1,100	2,300	1,100	ug/kg	0.57 J	1.2 U	1.3	1.2 U	140 U
78-87-5	1,2-DICHLOROPROPANE	NS	NS	NS	ug/kg	2.4 U	2.5 U	1.6 U	2.5 U	280 UJ
106-46-7	1,4-DICHLOROBENZENE	1,800	9,800	1,800	ug/kg	1.2 U	1.2 U	0.82 U	1.2 U	140 U
67-64-1	ACETONE	50	100,000	50	ug/kg	23.7	16.4	12.3	9.2 J	1400 UJ
71-43-2	BENZENE	60	2,900	60	ug/kg	0.6 U	0.67	0.41 U	0.62 U	71 U
75-15-0	CARBON DISULFIDE	NS	NS	NS	ug/kg	2.1 J	1.4 J	1.3 J	2.5 U	280 U
108-90-7	CHLOROBENZENE	1,100	100000	1100	ug/kg	2.4 U	0.5 J	0.52 J	2.5 U	280 U
156-59-2	CIS-1,2-DICHLOROETHYLENE	250	59,000	250	ug/kg	1200	859	142	1.2 U	5700
110-82-7	CYCLOHEXANE	NS	NS	NS	ug/kg	2.4 U	0.58 J	1.6 U	2.5 U	280 U
100-41-4	ETHYLBENZENE	1,000	30,000	1,000	ug/kg	1.2 U	1.2 U	0.82 U	1.2 U	140 U
98-82-8	ISOPROPYLBENZENE (CUMENE)	NS	NS	NS	ug/kg	2.4 U	2.5 U	0.88 J	2.5 U	280 U
136777-61-2	M,P-XYLENES	260	100,000	1,600	ug/kg	1.2 U	1.1 J	1	1.2 U	140 U
108-87-2	METHYLCYCLOHEXANE	NS	NS	NS	ug/kg	2.4 U	1.3 J	1.6 U	2.5 U	280 U
75-09-2	METHYLENE CHLORIDE	50	51,000	50	ug/kg	6 U	6.1 U	4.1 U	6.2 U	710 U
95-47-6	O-XYLENE	260	100,000	1,000	ug/kg	1.2 U	0.99 J	1.2	1.2 U	140 U
127-18-4	TETRACHLOROETHYLENE(PCE)	1,300	5,500	1,300	ug/kg	157000	237000	164000	2.5 U	41500
108-88-3	TOLUENE	700	100,000	700	ug/kg	1.2 U	1.8	1.1	1.2 U	140 U
156-60-5	TRANS-1,2-DICHLOROETHENE	190	100,000	190	ug/kg	3.3	8.4	2.7	1.2 U	303 J
79-01-6	TRICHLOROETHYLENE (TCE)	470	10,000	470	ug/kg	2540	3990	2190	1.2 U	9820
75-01-4	VINYL CHLORIDE	20	210	20	ug/kg	2.9	13.4	2.7	2.9	306 J
XYLENES	XYLENES, TOTAL	260	100,000	1,600	ug/kg	1.2 U	2.1	2.2	1.2 U	140 U
	SEMIVOLATILES									
85-68-7	BENZYL BUTYL PHTHALATE	NS	NS	NS	ug/kg	61 J	60.4 J	47.1 J	93 U	85 U
117-81-7	BIS(2-ETHYLHEXYL) PHTHALATE	NS	NS	NS	ug/kg	391	61.1 J	54.1 J	93 U	85 U
86-74-8	CARBAZOLE	NS	NS	NS	ug/kg	88 U	85 U	74 U	93 U	85 U
117-84-0	DI-N-OCTYLPHTHALATE	NS	NS	NS	ug/kg	102 J	85 UJ	74 UJ	93 U	85 U
	PESTICIDES									
7421-93-4	ENDRIN ALDEHYDE	NS	NS	NS	ug/kg	4.4	0.86 U	0.74 U	0.88 U	0.89 U
72-54-8	P,P'-DDD	3.3	2600	14000	ug/kg	5.4	0.86 U	0.74 U	0.88 U	0.89 U
	PCBs (None Detected)									
	HERBICIDES (None Detected)									

Table 3B
2018 Subsurface Soil Analytical Results - Detected Compounds
Time 1-Hour Cleaners
Niagara Falls, New York

NYSDEC-Pine Ave Site 2018 Site Investigation Validated Soil Analytical Data Detected Compound Summary		6 NYCRR Part 375 Unrestricted Use Cleanup Objective (ppm) NS = not specified	6 NYCRR Part 375 Residential Use Cleanup Objective (ppm) NS = not specified	6 NYCRR Part 375 Protection of Groundwater Cleanup Objective (ppm) NS = not specified	Location ID: Depth: Sample ID: Lab Sample I Source: SDG: Matrix: Sampled: Validated:	SB-11 1.5-2.0 ft PINE AVE-005-02 JC69463-2 ACCUTEST JC69463 SOIL 7/6/2018 9:35 8/12/2018	SB-11 2.0-2.5 ft PINE AVE-005-03 JC69463-3 ACCUTEST JC69463 SOIL 7/6/2018 9:40 8/12/2018	SB-11 3.0-4.0 ft PINE AVE-005-04 JC69463-4 ACCUTEST JC69463 SOIL 7/6/2018 9:45 8/12/2018	PINEAVE-008-PVE-01 2 - 3 ft PINEAVE-008-PVE-01 JC90608-2 ACCUTEST JC90608 SOIL 6/24/2019 17:00 8/6/2019	PINEAVE-008-PVE-02 2 - 3 ft PINEAVE-008-PVE-02 JC90608-4 ACCUTEST JC90608 SOIL 6/24/2019 17:40 8/6/2019
CAS NO.	COMPOUND				UNITS:					
	INORGANICS									
7429-90-5	ALUMINUM	NS	NS	NS	mg/kg	14900	12200	11800	18300	17200
7440-36-0	ANTIMONY	NS	NS	NS	mg/kg	2.7 U	2.5 U	2.2 U	8.1 U	2.7 U
7440-38-2	ARSENIC	13	16	16	mg/kg	12	3.7 J	2.3 J	3.7 J	3.3
7440-39-3	BARIUM	350	350	820	mg/kg	57.9	94.1	78.1	101	89.5
7440-41-7	BERYLLIUM	7.2	14	47	mg/kg	0.71	0.56	0.54	0.77	0.76
7440-43-9	CADMIUM	2.5	2.5	7.5	mg/kg	0.68 U	0.62 U	0.22 J	0.68 U	0.093 J
7440-70-2	CALCIUM	NS	NS	NS	mg/kg	52700	39100	61900	51300	53800
7440-47-3	CHROMIUM, TOTAL	NS	NS	NS	mg/kg	20.7	17	15.4	25.2	24
7440-48-4	COBALT	NS	NS	NS	mg/kg	12	9.7	7.7	12.8	12.1
7440-50-8	COPPER	50	270	1720	mg/kg	16	11.2	14.7	20.3	17
7439-89-6	IRON	NS	NS	NS	mg/kg	28700	20700	19000	30300	26600
7439-92-1	LEAD	63	400	450	mg/kg	6.7 J	5.3 J	143	10.7	7.3
7439-95-4	MAGNESIUM	NS	NS	NS	mg/kg	12700	10300	23300	14500	13100
7439-96-5	MANGANESE	1600	2000	2000	mg/kg	761	604	534	599	629
7439-97-6	MERCURY	0.18	0.81	0.73	mg/kg	0.043 U	0.039 U	0.035 U	0.041 U	0.039 U
7440-02-0	NICKEL	30	140	130	mg/kg	24.7	22.2	16.9	30.5	28.6
9/7/7440	POTASSIUM	NS	NS	NS	mg/kg	3660	2860	3200	4400	4130
7440-22-4	SILVER	2	36	8.3	mg/kg	2 U	1.9 U	1.6 U	2 U	0.67 U
7440-23-5	SODIUM	NS	NS	NS	mg/kg	218 J	177 J	191 J	264 J	235 J
7440-62-2	VANADIUM	NS	NS	NS	mg/kg	28.4	23.3	22.2	34.7	32.9
7440-66-6	ZINC	109	2200	2480	mg/kg	49.8	49.4	104	61	54.7
	OTHER									
SOLID	SOLIDS, PERCENT	NS	NS	NS	%	74.1	76.9	87.6	71	74.4

Notes:
U - compound not detected. Detection limit posted.
J - estimated concentration below the detection limit.
UJ - estimated nondetected result
R - result rejected
NS - No Standard or Guidance Criteria.
NA - Sample not analyzed for indicated analyte
Exceeds NYCRR Part 375 Unrestricted-Use SCO
Exceeds NYCRR Part 375 Residential Use SCO

Table 3B
2018 Subsurface Soil Analytical Results - Detected Compounds
Time 1-Hour Cleaners
Niagara Falls, New York

NYSDEC-Pine Ave Site 2018 Site Investigation Validated Soil Analytical Data Detected Compound Summary		6 NYCRR Part 375 Unrestricted Use Cleanup Objective (ppm) NS = not specified	6 NYCRR Part 375 Residential Use Cleanup Objective (ppm) NS = not specified	6 NYCRR Part 375 Protection of Groundwater Cleanup Objective (ppm) NS = not specified	Location ID: Depth: Sample ID: Lab Sample I Source: SDG: Matrix: Sampled: Validated:	Duplicate of PINEAVE-008-PVE-02 PINEAVE-008-PVE-02 2 - 3 ft PINEAVE-008-PVE-02D JC90608-5 ACCUTEST JC90608 SOIL 6/24/2019 17:40 8/6/2019	PINEAVE-008-SVE-01 0 - 1 ft PINEAVE-008-SVE-01 JC90608-1 ACCUTEST JC90608 SOIL 6/24/2019 16:45 8/6/2019	PINEAVE-008-SVE-02 2 - 3 ft PINEAVE-008-SVE-02 JC90608-3 ACCUTEST JC90608 SOIL 6/24/2019 17:15 8/6/2019	PINEAVE-008-SVE-03 0 - 1 ft PINEAVE-008-SVE-03 JC90608-6 ACCUTEST JC90608 SOIL 6/25/2019 9:50 8/6/2019
CAS NO.	COMPOUND				UNITS:				
	VOLATILES								
75-35-4	1,1-DICHLOROETHENE	330	100,000	330	ug/kg	2.4 J	1.4 U	2.5	18.4
95-50-1	1,2-DICHLOROBENZENE	1,100	2,300	1,100	ug/kg	1.7 U	1.4 U	1.3 U	17.1
78-87-5	1,2-DICHLOROPROPANE	NS	NS	NS	ug/kg	5.7 J	2.8 U	2.5 U	2.6 U
106-46-7	1,4-DICHLOROBENZENE	1,800	9,800	1,800	ug/kg	1.7 U	1.4 U	1.3 U	3.8
67-64-1	ACETONE	50	100,000	50	ug/kg	37.6 J	16.8	52	19.4
71-43-2	BENZENE	60	2,900	60	ug/kg	0.84 U	0.69 U	0.64 U	0.78
75-15-0	CARBON DISULFIDE	NS	NS	NS	ug/kg	1.6 J	2.8 U	2.5 U	8.7
108-90-7	CHLOROBENZENE	1,100	100000	1100	ug/kg	3.4 U	2.8 U	2.5 U	2.3 J
156-59-2	CIS-1,2-DICHLOROETHYLENE	250	59,000	250	ug/kg	5070	35.8	1280	3720
110-82-7	CYCLOHEXANE	NS	NS	NS	ug/kg	3.4 U	2.8 U	2.5 U	2.6 U
100-41-4	ETHYLBENZENE	1,000	30,000	1,000	ug/kg	1.7 U	1.4 U	1.3 U	1.8
98-82-8	ISOPROPYLBENZENE (CUMENE)	NS	NS	NS	ug/kg	3.4 U	2.8 U	2.5 U	8.9
136777-61-2	M,P-XYLENES	260	100,000	1,600	ug/kg	1.7 U	1.4 U	1.3 U	4.7
108-87-2	METHYLCYCLOHEXANE	NS	NS	NS	ug/kg	3.4 U	2.8 U	2.5 U	3.1
75-09-2	METHYLENE CHLORIDE	50	51,000	50	ug/kg	8.4 U	6.9 U	6.4 U	6.6 U
95-47-6	O-XYLENE	260	100,000	1,000	ug/kg	1.7 U	1.4 U	1.3 U	5.6
127-18-4	TETRACHLOROETHYLENE(PCE)	1,300	5,500	1,300	ug/kg	53100	1.8 J	2.5 U	1080000
108-88-3	TOLUENE	700	100,000	700	ug/kg	1.7 U	1.4 U	1.3 U	4
156-60-5	TRANS-1,2-DICHLOROETHENE	190	100,000	190	ug/kg	54.7 J	3.2	1 J	37.3
79-01-6	TRICHLOROETHYLENE (TCE)	470	10,000	470	ug/kg	9210	1.4 U	1.3 U	26000
75-01-4	VINYL CHLORIDE	20	210	20	ug/kg	161 J	2.8 U	3.4	6.9
XYLENES	XYLENES, TOTAL	260	100,000	1,600	ug/kg	1.7 U	1.4 U	1.3 U	10.3
	SEMIVOLATILES								
85-68-7	BENZYL BUTYL PHTHALATE	NS	NS	NS	ug/kg	89 U	88 U	83 U	88 U
117-81-7	BIS(2-ETHYLHEXYL) PHTHALATE	NS	NS	NS	ug/kg	89 U	88 U	83 U	88 U
86-74-8	CARBAZOLE	NS	NS	NS	ug/kg	89 U	88 U	83 U	7.1 J
117-84-0	DI-N-OCTYLPHthalate	NS	NS	NS	ug/kg	89 U	88 U	83 U	88 U
	PESTICIDES								
7421-93-4	ENDRIN ALDEHYDE	NS	NS	NS	ug/kg	0.88 U	0.89 U	0.85 U	0.87 U
72-54-8	P,P'-DDD	3.3	2600	14000	ug/kg	0.88 U	0.89 U	0.85 U	1.5
	PCBs (None Detected)								
	HERBICIDES (None Detected)								

Table 3B
2018 Subsurface Soil Analytical Results - Detected Compounds
Time 1-Hour Cleaners
Niagara Falls, New York

					Duplicate of PINEAVE-008-PVE-02				
NYSDEC-Pine Ave Site 2018 Site Investigation Validated Soil Analytical Data Detected Compound Summary		6 NYCRR Part 375 Unrestricted Use Cleanup Objective (ppm) NS = not specified	6 NYCRR Part 375 Residential Use Cleanup Objective (ppm) NS = not specified	6 NYCRR Part 375 Protection of Groundwater Cleanup Objective (ppm) NS = not specified	Location ID: Depth: Sample ID: Lab Sample I Source: SDG: Matrix: Sampled: Validated:	PINEAVE-008-PVE-02 2 - 3 ft PINEAVE-008-PVE-02D JC90608-5 ACCUTEST JC90608 SOIL 6/24/2019 17:40 8/6/2019	PINEAVE-008-SVE-01 0 - 1 ft PINEAVE-008-SVE-01 JC90608-1 ACCUTEST JC90608 SOIL 6/24/2019 16:45 8/6/2019	PINEAVE-008-SVE-02 2 - 3 ft PINEAVE-008-SVE-02 JC90608-3 ACCUTEST JC90608 SOIL 6/24/2019 17:15 8/6/2019	PINEAVE-008-SVE-03 0 - 1 ft PINEAVE-008-SVE-03 JC90608-6 ACCUTEST JC90608 SOIL 6/25/2019 9:50 8/6/2019
CAS NO.	COMPOUND				UNITS:				
	INORGANICS								
7429-90-5	ALUMINUM	NS	NS	NS	mg/kg	20300	18500	19700	17100
7440-36-0	ANTIMONY	NS	NS	NS	mg/kg	5.1 U	2.8 U	7.6 UJ	7.9 U
7440-38-2	ARSENIC	13	16	16	mg/kg	3.1 J	4.3	3.6 J	4.1 J
7440-39-3	BARIUM	350	350	820	mg/kg	114	86.9	102	85.8
7440-41-7	BERYLLIUM	7.2	14	47	mg/kg	0.87	0.84	0.86	0.68
7440-43-9	CADMIUM	2.5	2.5	7.5	mg/kg	0.64 U	0.71 U	0.63 U	0.66 U
7440-70-2	CALCIUM	NS	NS	NS	mg/kg	45200	59600	47900	49800
7440-47-3	CHROMIUM, TOTAL	NS	NS	NS	mg/kg	31.5	27.7	26.3	26.9
7440-48-4	COBALT	NS	NS	NS	mg/kg	13.5	12.2	12.8	11.7
7440-50-8	COPPER	50	270	1720	mg/kg	19.3	22.1	19.7	18.7
7439-89-6	IRON	NS	NS	NS	mg/kg	33300	27300	30200	29900
7439-92-1	LEAD	63	400	450	mg/kg	8.4	8.2	9.5	15.7
7439-95-4	MAGNESIUM	NS	NS	NS	mg/kg	12800	16200	13100	11600
7439-96-5	MANGANESE	1600	2000	2000	mg/kg	641	526	603	650
7439-97-6	MERCURY	0.18	0.81	0.73	mg/kg	0.044 U	0.043 U	0.038 U	0.041 U
7440-02-0	NICKEL	30	140	130	mg/kg	31.8	28.9	30.4	27.7
9/7/7440	POTASSIUM	NS	NS	NS	mg/kg	4810	4060	4790 J	3690
7440-22-4	SILVER	2	36	8.3	mg/kg	0.59 J	0.71 U	1.9 U	2 U
7440-23-5	SODIUM	NS	NS	NS	mg/kg	261 J	292 J	252 J	216 J
7440-62-2	VANADIUM	NS	NS	NS	mg/kg	36.6	34.4	36	32.6
7440-66-6	ZINC	109	2200	2480	mg/kg	58.8	56.9	58.4 J	54.6
	OTHER								
SOLID	SOLIDS, PERCENT	NS	NS	NS	%	74.3	73.5	75.6	74.5

Notes:
U - compound not detected. Detection limit posted.
J - estimated concentration below the detection limit.
UJ - estimated nondetected result
R - result rejected
NS - No Standard or Guidance Criteria.
NA - Sample not analyzed for indicated analyte
Exceeds NYCRR Part 375 Unrestricted-Use SCO
Exceeds NYCRR Part 375 Residential Use SCO

Table 4
2018 Groundwater Analytical Results - Detected Compounds
Time 1-Hour Cleaners
Niagara Falls, New York

										Dup of MW-08 PINE AVE-006-04			
NYSDEC-Pine Ave Site 2018 Site Investigation Validated Groundwater Analytical Data SDG: JC69463		NYSDEC Class GA Ambient Water Quality Standards Guidance Criteria	NYSDOH Proposed Maximum Contaminant Level	Location ID:	SB-11 (Temp Well)	FIELDQC	FIELDQC	MW-07	MW-08	MW-08	MW-09	FIELDQC	
				Depth:	1.5-4.0 ft								
				Sample ID:	PINE AVE-005-05	PINE AVE-005-06	PINE AVE-005-07	PINE AVE-006-01	PINE AVE-006-04	PINE AVE-006-05	PINE AVE-006-06	PINE AVE-006-02	
				Lab Sample I	JC69463-5	JC69463-6	JC69877-1	JC69877-4	JC69877-5	JC69877-6	JC69877-2		
				Source:	ACCUTEST	ACCUTEST	ACCUTEST	ACCUTEST	ACCUTEST	ACCUTEST	ACCUTEST	ACCUTEST	
SDG:	JC69463	JC69463	JC69463	JC69877	JC69877	JC69877	JC69877	JC69877	JC69877	JC69877	JC69877	JC69877	
Matrix:	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	
Sampled:	7/6/2018 10:00	7/6/2018 10:30	7/6/2018 10:35	7/12/2018 9:15	7/12/2018 11:15	7/12/2018 0:00	7/12/2018 13:30	7/12/2018 8:42					
Validated:	8/12/2018	8/12/2018	8/12/2018	8/12/2018	8/12/2018	8/12/2018	8/12/2018	8/12/2018					
CAS NO.	COMPOUND			UNITS:									
	PFAs												
375-73-5	Perfluorobutanesulfonic acid (PFBS)			ng/l	3.79	1.9 U	1.9 U	2.09	2.48	2.39	3.01	1.9 U	
375-22-4	Perfluorobutanoic Acid			ng/l	4.46 J	7.7 U	7.7 U	5.89 J	5.41 J	5.41 J	7.7	7.4 U	
375-85-9	Perfluoroheptanoic acid (PFHpA)			ng/l	2.9 U	1.9 U	1.9 U	3.75	2.94	2.86	2.62	1.9 U	
355-46-4	Perfluorohexanesulfonic acid (PFHxS)			ng/l	2.9 U	1.9 U	1.9 U	1.05 J	1.52 J	1.49 J	2.29	1.9 U	
307-24-4	Perfluorohexanoic acid (PFHxA)			ng/l	3.84 J	3.8 U	3.8 U	6.76	5.63	5.09	5.53	3.7 U	
375-95-1	Perfluorononanoic acid (PFNA)			ng/l	2.9 U	1.9 U	1.9 U	1.54 J	1.9 U	1.24 J	1.9 U	1.9 U	
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	10		ng/l	2.9 U	1.9 U	1.9 U	3.71	4.22	3.71	4.32	1.9 U	
335-67-1	Perfluorooctanoic acid (PFOA)	10		ng/l	6.77	1.9 U	1.9 U	6.93	6.37	6.27	10.5	1.9 U	
2706-90-3	Perfluoropentanoic Acid (PFPeA)			ng/l	2.77 J	3.8 U	3.8 U	11.7	9.85	9.7	10	3.7 U	
	VOLATILES												
107-06-2	1,2-DICHLOROETHANE	0.6		ug/L	100 U	NA	NA	1 U	1 U	1 U	1.3	NA	
156-59-2	CIS-1,2-DICHLOROETHYLENE	5		ug/L	6310	NA	NA	12.2	25.9	26.6	111	NA	
127-18-4	TETRACHLOROETHYLENE(PCE)	5		ug/L	35500	NA	NA	1 U	5.1	5.4	149	NA	
156-60-5	TRANS-1,2-DICHLOROETHENE	5		ug/L	56.4 J	NA	NA	1 U	1 U	1 U	1.4	NA	
79-01-6	TRICHLOROETHYLENE (TCE)	5		ug/L	8000	NA	NA	0.56 J	5.5	5.4	70.4	NA	
75-01-4	VINYL CHLORIDE	2		ug/L	100 U	NA	NA	7.5	3.9	3.9	8.8	NA	
	SEMIVOLATILES												
123-91-1	1,4-DIOXANE (P-DIOXANE)		1	ug/L	0.215	NA	NA	0.0784 J	0.0632 J	0.202 J	0.0877 J	NA	
56-55-3	BENZO(A)ANTHRACENE	0.002		ug/L	0.44 J	NA	NA	1 U	1 U	1 U	1 U	NA	
85-68-7	BENZYL BUTYL PHTHALATE	50		ug/L	2.9	NA	NA	2.1 U	2.1 U	2 U	2 U	NA	
117-81-7	BIS(2-ETHYLHEXYL) PHTHALATE	5		ug/L	52.9	NA	NA	2.1 U	2.1 U	2 U	2 U	NA	
218-01-9	CHRYSENE	0.002		ug/L	0.44 J	NA	NA	1 U	1 U	1 U	1 U	NA	
117-84-0	DI-N-OCTYLPHthalATE	50		ug/L	4.2	NA	NA	2.1 U	2.1 U	2 U	2 U	NA	
206-44-0	FLUORANTHENE	50		ug/L	0.57 J	NA	NA	1 U	1 U	1 U	1 U	NA	
129-00-0	PYRENE	50		ug/L	0.66 J	NA	NA	1 U	1 U	1 U	1 U	NA	
	PESTICIDES												
7421-93-4	ENDRIN ALDEHYDE	5		ug/L	0.026 J	NA	NA	0.0067 U	0.0074 U	0.0069 U	0.0067 U	NA	

Table 4
2018 Groundwater Analytical Results - Detected Compounds
Time 1-Hour Cleaners
Niagara Falls, New York

										Dup of MW-08 PINE AVE-006-04		
NYSDEC-Pine Ave Site 2018 Site Investigation Validated Groundwater Analytical Data SDG: JC69463		NYSDEC Class GA Ambient Water Quality Standards Guidance Criteria	NYSDOH Proposed Maximum Contaminant Level	Location ID: Depth: Sample ID: Lab Sample I Source: SDG: Matrix: Sampled: Validated:	SB-11 (Temp Well) 1.5-4.0 ft PINE AVE-005-05 JC69463-5 ACCUTEST JC69463 WATER 7/6/2018 10:00 8/12/2018	FIELDQC PINE AVE-005-06 JC69463-6 ACCUTEST JC69463 WATER 7/6/2018 10:30 8/12/2018	FIELDQC PINE AVE-005-07 JC69463-7 ACCUTEST JC69463 WATER 7/6/2018 10:35 8/12/2018	MW-07 17.92-24.89 ft PINE AVE-006-01 JC69877-1 ACCUTEST JC69877 WATER 7/12/2018 9:15 8/12/2018	MW-08 18.17-26.5 ft PINE AVE-006-04 JC69877-4 ACCUTEST JC69877 WATER 7/12/2018 11:15 8/12/2018	MW-08 18.17-26.5 ft PINE AVE-006-05 JC69877-5 ACCUTEST JC69877 WATER 7/12/2018 0:00 8/12/2018	MW-09 18.17-26.32 ft PINE AVE-006-06 JC69877-6 ACCUTEST JC69877 WATER 7/12/2018 13:30 8/12/2018	FIELDQC PINE AVE-006-02 JC69877-2 ACCUTEST JC69877 WATER 7/12/2018 8:42 8/12/2018
CAS NO.	COMPOUND			UNITS:								
	PCBs											
	HERBICIDES											
	INORGANICS											
7429-90-5	ALUMINUM	NS		ug/L	690000	NA	NA	200 U	200 U	200 U	200 U	NA
7440-38-2	ARSENIC	25		ug/L	150 U	NA	NA	9 U	3 U	3 U	20.9	NA
7440-39-3	BARIUM	1,000		ug/L	5060 J	NA	NA	110 J	104 J	105 J	93.2 J	NA
7440-41-7	BERYLLIUM	3		ug/L	35 J	NA	NA	1 U	1 U	1 U	1 U	NA
7440-70-2	CALCIUM	NS		ug/L	2680000	NA	NA	208000	164000	165000	146000	NA
7440-47-3	CHROMIUM, TOTAL	50		ug/L	890	NA	NA	10 U	10 U	10 U	10 U	NA
7440-48-4	COBALT	NS		ug/L	475 J	NA	NA	50 U	50 U	50 U	3.9 J	NA
7440-50-8	COPPER	200		ug/L	720	NA	NA	10 U	10 U	10 U	10 U	NA
7439-89-6	IRON	300		ug/L	932000	NA	NA	466	172	177	638	NA
7439-92-1	LEAD	25		ug/L	570	NA	NA	3 U	3 U	3 U	1.8 J	NA
7439-95-4	MAGNESIUM	35,000		ug/L	701000	NA	NA	92300	74000	73700	55800	NA
7439-96-5	MANGANESE	300		ug/L	30600	NA	NA	133	142	143	311	NA
7439-97-6	MERCURY	0.7		ug/L	6 U	NA	NA	0.11 J	0.2 U	0.13 J	0.14 J	NA
7440-02-0	NICKEL	100		ug/L	1060	NA	NA	6 J	4.3 J	4.2 J	8.4 J	NA
9/7/7440	POTASSIUM	NS		ug/L	232000 J	NA	NA	3690 J	3320 J	3420 J	2870 J	NA
7440-22-4	SILVER	50		ug/L	100 J	NA	NA	10 U	10 U	10 U	10 U	NA
7440-23-5	SODIUM	20,000		ug/L	74200 J	NA	NA	186000	158000	158000	131000	NA
7440-62-2	VANADIUM	NS		ug/L	1250 J	NA	NA	50 U	50 U	50 U	2.5 J	NA
7440-66-6	ZINC	2,000		ug/L	3130	NA	NA	187 J	213	214	209	NA
	DISSOLVED METALS											
7440-38-2	ARSENIC	25		ug/l	NA	NA	NA	8.6 J	3 U	3 U	20.6	NA
7440-39-3	BARIUM	1,000		ug/l	NA	NA	NA	111 J	105 J	105 J	92.6 J	NA
7440-70-2	CALCIUM	NS		ug/l	NA	NA	NA	208000	165000	164000	144000	NA
7440-48-4	COBALT	NS		ug/l	NA	NA	NA	50 U	50 U	50 U	4.1 J	NA
7440-50-8	COPPER	200		ug/l	NA	NA	NA	8.9 J	10 U	10 U	7.1 J	NA
7439-89-6	IRON	300		ug/l	NA	NA	NA	462	160	158	597	NA
7439-95-4	MAGNESIUM	35,000		ug/l	NA	NA	NA	93800	74200	73900	55100	NA
7439-96-5	MANGANESE	300		ug/l	NA	NA	NA	133	143	143	316	NA
7439-97-6	MERCURY	0.7		ug/l	NA	NA	NA	0.13 J	0.13 J	0.14 J	0.12 J	NA
7440-02-0	NICKEL	100		ug/l	NA	NA	NA	5.5 J	4.4 J	4.5 J	8.1 J	NA
9/7/7440	POTASSIUM	NS		ug/l	NA	NA	NA	3710 J	3370 J	3390 J	2880 J	NA
7440-23-5	SODIUM	20,000		ug/l	NA	NA	NA	186000	160000	159000	131000	NA
7440-62-2	VANADIUM	NS		ug/l	NA	NA	NA	50 U	50 U	50 U	2.7 J	NA
7440-66-6	ZINC	2,000		ug/l	NA	NA	NA	191	214	212	206	NA

Notes:
ng/L - nanograms per liter
ug/L - micrograms per liter
U - compound not detected. Detection limit posted.
J - estimated concentration below the contract required detection limit.
NS - No Standard or Guidance Criteria.
NA - Sample not analyzed for indicated analyte
Shaded concentrations exceed NYSDEC Class GA Ambient Water Quality
Standards/Guidance Criteria or proposed NYSDOH MDLs

Table 4
2018 Groundwater Analytical Results - Detected Compounds
Time 1-Hour Cleaners
Niagara Falls, New York

NYSDEC-Pine Ave Site 2018 Site Investigation Validated Groundwater Analytical Data SDG: JC69463		NYSDEC Class GA Ambient Water Quality Standards Guidance Criteria	NYSDOH Proposed Maximum Contaminant Level	Location ID: Depth: Sample ID: Lab Sample ID: Source: SDG: Matrix: Sampled: Validated:	FIELDQC PINE AVE-006-03 JC69877-3 ACCUTEST JC69877 WATER 7/12/2018 16:00 8/12/2018
CAS NO.	COMPOUND			UNITS:	
	PFAs				
375-73-5	Perfluorobutanesulfonic acid (PFBS)			ng/l	2.1 U
375-22-4	Perfluorobutanoic Acid			ng/l	8.3 U
375-85-9	Perfluoroheptanoic acid (PFHpA)			ng/l	2.1 U
355-46-4	Perfluorohexanesulfonic acid (PFHxS)			ng/l	2.1 U
307-24-4	Perfluorohexanoic acid (PFHxA)			ng/l	4.2 U
375-95-1	Perfluorononanoic acid (PFNA)			ng/l	2.1 U
1763-23-1	Perfluorooctanesulfonic acid (PFOS)		10	ng/l	2.1 U
335-67-1	Perfluorooctanoic acid (PFOA)		10	ng/l	2.1 U
2706-90-3	Perfluoropentanoic Acid (PFPeA)			ng/l	4.2 U
	VOLATILES				
107-06-2	1,2-DICHLOROETHANE	0.6		ug/L	NA
156-59-2	CIS-1,2-DICHLOROETHYLENE	5		ug/L	NA
127-18-4	TETRACHLOROETHYLENE(PCE)	5		ug/L	NA
156-60-5	TRANS-1,2-DICHLOROETHENE	5		ug/L	NA
79-01-6	TRICHLOROETHYLENE (TCE)	5		ug/L	NA
75-01-4	VINYL CHLORIDE	2		ug/L	NA
	SEMIVOLATILES				
123-91-1	1,4-DIOXANE (P-DIOXANE)		1	ug/L	NA
56-55-3	BENZO(A)ANTHRACENE	0.002		ug/L	NA
85-68-7	BENZYL BUTYL PHTHALATE	50		ug/L	NA
117-81-7	BIS(2-ETHYLHEXYL) PHTHALATE	5		ug/L	NA
218-01-9	CHRYSENE	0.002		ug/L	NA
117-84-0	DI-N-OCTYLPHTHALATE	50		ug/L	NA
206-44-0	FLUORANTHENE	50		ug/L	NA
129-00-0	PYRENE	50		ug/L	NA
	PESTICIDES				
7421-93-4	ENDRIN ALDEHYDE	5		ug/L	NA

Table 4
2018 Groundwater Analytical Results - Detected Compounds
Time 1-Hour Cleaners
Niagara Falls, New York

NYSDEC-Pine Ave Site 2018 Site Investigation Validated Groundwater Analytical Data SDG: JC69463		NYSDEC Class GA Ambient Water Quality Standards Guidance Criteria	NYSDOH Proposed Maximum Contaminant Level	Location ID: Depth: Sample ID: Lab Sample ID: Source: SDG: Matrix: Sampled: Validated:	FIELDQC PINE AVE-006-03 JC69877-3 ACCUTEST JC69877 WATER 7/12/2018 16:00 8/12/2018
CAS NO.	COMPOUND			UNITS:	
	PCBs				
	HERBICIDES				
	INORGANICS				
7429-90-5	ALUMINUM	NS		ug/L	NA
7440-38-2	ARSENIC	25		ug/L	NA
7440-39-3	BARIUM	1,000		ug/L	NA
7440-41-7	BERYLLIUM	3		ug/L	NA
7440-70-2	CALCIUM	NS		ug/L	NA
7440-47-3	CHROMIUM, TOTAL	50		ug/L	NA
7440-48-4	COBALT	NS		ug/L	NA
7440-50-8	COPPER	200		ug/L	NA
7439-89-6	IRON	300		ug/L	NA
7439-92-1	LEAD	25		ug/L	NA
7439-95-4	MAGNESIUM	35,000		ug/L	NA
7439-96-5	MANGANESE	300		ug/L	NA
7439-97-6	MERCURY	0.7		ug/L	NA
7440-02-0	NICKEL	100		ug/L	NA
9/7/7440	POTASSIUM	NS		ug/L	NA
7440-22-4	SILVER	50		ug/L	NA
7440-23-5	SODIUM	20,000		ug/L	NA
7440-62-2	VANADIUM	NS		ug/L	NA
7440-66-6	ZINC	2,000		ug/L	NA
	DISSOLVED METALS				
7440-38-2	ARSENIC	25		ug/l	NA
7440-39-3	BARIUM	1,000		ug/l	NA
7440-70-2	CALCIUM	NS		ug/l	NA
7440-48-4	COBALT	NS		ug/l	NA
7440-50-8	COPPER	200		ug/l	NA
7439-89-6	IRON	300		ug/l	NA
7439-95-4	MAGNESIUM	35,000		ug/l	NA
7439-96-5	MANGANESE	300		ug/l	NA
7439-97-6	MERCURY	0.7		ug/l	NA
7440-02-0	NICKEL	100		ug/l	NA
9/7/7440	POTASSIUM	NS		ug/l	NA
7440-23-5	SODIUM	20,000		ug/l	NA
7440-62-2	VANADIUM	NS		ug/l	NA
7440-66-6	ZINC	2,000		ug/l	NA

Notes:
ng/L - nanograms per liter
ug/L - micrograms per liter
U - compound not detected. Detection limit posted.
J - estimated concentration below the contract required detection limit.
NS - No Standard or Guidance Criteria.
NA - Sample not analyzed for indicated analyte
Shaded concentrations exceed NYSDEC Class GA Ambient Water Quality
Standards/Guidance Criteria or proposed NYSDOH MDLs

Table 5
Groundwater Elevation Data
Time 1-Hour Cleaners
Niagara Falls, New York

Monitoring Well ID	Northing	Easting	Elevation (TOC) ^{1,2}	7/12/2018		9/17/2019	
				Depth to Water ³	Groundwater Elevation ²	Depth to Water ³	Groundwater Elevation ²
MW-07	1128190.96	1028814.70	578.14	17.92	560.22	17.43	560.71
MW-08	1128098.97	1028848.82	578.40	18.17	560.23	17.75	560.65
MW-09	1127998.76	1028806.16	578.14	18.22	559.92	17.84	560.30

1. TOC: Top of casing
2. Elevation in feet above mean sea level (NAVD88)
3. Depth in feet below TOC (pvc)

Table 6
Sump Water and Sub-Slab Water (Perched Water) Detected Compounds – 2532 Pine Avenue
Time 1-Hour Cleaners
Niagara Falls, New York

NYSDEC-Pine Ave Site 2015 Site Investigation Validated Sump Analytical Data SDG: 15I0499		NYSDEC Class GA Ambient Water Quality Standards Guidance Criteria	Location ID: Sample ID: Lab Sample ID: Source: SDG: Matrix: Location: Sampled: Validated:	2865E-SW 2865E-SW-091015-01 15I0499-01 CONTEST 15I0499 WATER 2532 Pine Ave - Sump 9/10/2015 7:10 10/22/2015	2865E-SW 2865E-SW-091015-02 15I0499-02 CONTEST 15I0499 WATER 2532 Pine Ave - Sump 9/10/2015 7:10 10/22/2015	SSW-2 SSW-2-062216 16F1394-01 CONTEST 16F1394 WATER 2532 Pine Ave - Sub-Slab 6/22/2016 11:00 10/6/2016
CAS NO.	COMPOUND		UNITS:			
	VOLATILES					
95-63-6	1,2,4-TRIMETHYLBENZENE	5	ug/l	50 U	50 U	0.48 J
67-64-1	ACETONE	50	ug/l	2500 U	2500 U	82
156-59-2	CIS-1,2-DICHLOROETHYLENE	5	ug/l	38 J	36 J	1 U
179601-23-1	M,P-XYLENES	5	ug/l	100 U	100 U	2 U
95-47-6	O-XYLENE (1,2-DIMETHYLBENZENE)	5	ug/l	50 U	50 U	1 U
75-65-0	TERT-BUTYL ALCOHOL	NS	ug/l	1000 U	1000 U	20 U
127-18-4	TETRACHLOROETHYLENE(PCE)	5	ug/l	1900	1700	1 U
109-99-9	TETRAHYDROFURAN	50	ug/l	500 U	500 U	26
108-88-3	TOLUENE	5	ug/l	50 U	50 U	1 U
79-01-6	TRICHLOROETHYLENE (TCE)	5	ug/l	110	100	1 U

Notes:
ug/L - micrograms per liter
U - compound not detected. Detection limit posted.
J - estimated concentration below the contract required detection limit.
NS - No Standard or Guidance Criteria.
NA - Sample not analyzed for indicated analyte
Shaded concentrations exceed NYSDEC Class GA Ambient Water Quality
Standards/Guidance Criteria.

Table 7A
2014 - 2017 Soil Vapor Intrusion Analytical Summary (Decision Matrix Compound Only)- 2526 Pine Avenue
Time 1-Hour Cleaners
Niagara Falls, New York

			March 2014 Sampling Event			September 2015 Sampling Event*		March 2017 Sampling Event			
NYSDEC-Pine Ave Site Validated Air Analytical Data 2526 Pine Avenue Property Decision Matrix Compounds Only			Location ID: 2859E-SS Sample ID: 2859E-SS-032614 Lab Sample Id: 14C0931-05 Source: CONTEST SDG: 14C0931 Matrix: AIR Sample Type: Sub-Slab Location: 1st Floor Sampled: 3/27/2014 7:21 Validated: 5/19/2014	2859E-IA 2859E-IA-032614 14C0931-04 CONTEST 14C0931 AIR Indoor Air 1st Floor 3/27/2014 7:21 5/19/2014	AA AA-32614 14C0931-06 CONTEST 14C0931 AIR Ambient Air Outside 3/27/2014 7:15 5/19/2014	2526-MS-01 2526-MS-091115-01 15I0584-11 CONTEST 15I0584 AIR Outdoor Air System Exhaust 9/11/2015 10:42 10/22/2015	2526-MS-02 2526-MS-091115-02 15I0584-12 CONTEST 15I0584 AIR Outdoor Air System Exhaust 9/11/2015 10:32 10/22/2015	2859E-IA 2859E-IA-032117-01 17C0975-03 CONTEST 17C0975 AIR Indoor Air 1st Floor - Retail Area 3/22/2017 10:02 5/8/2017	2859E-IA 2859E-IA-032117-02 17C0975-01 CONTEST 17C0975 AIR Indoor Air 1st Floor - Storage 3/22/2017 10:07 5/8/2017	2859E-IA 2859E-IA-032117-DUP 17C0975-02 CONTEST 17C0975 AIR Indoor Air 1st Floor - Storage 3/22/2017 10:07 5/8/2017	2935E-AA 2935E-AA-032117-01 17C0975-09 CONTEST 17C0975 AIR Outdoor Air Ambient - Upwind 3/22/2017 10:00 5/8/2017
CAS NO.	COMPOUND	UNITS:									
	VOLATILES										
71-55-6	1,1,1-TRICHLOROETHANE	ug/m3	ND	ND	ND	0.95	1.3	ND	ND	ND	ND
75-35-4	1,1-DICHLOROETHENE	ug/m3	ND	ND	ND	ND	ND	ND	ND	ND	ND
56-23-5	CARBON TETRACHLORIDE	ug/m3	ND	ND	0.45	ND	ND	0.42	0.43	0.44	0.42
156-59-2	CIS-1,2-DICHLOROETHYLENE	ug/m3	ND	ND	ND	1.1	1.2	ND	ND	ND	ND
75-09-2	METHYLENE CHLORIDE	ug/m3	ND	ND	2.6	1.6 J	0.91 J	0.5 J	1.7	1.9	0.31 J
127-18-4	TETRACHLOROETHYLENE(PCE)	ug/m3	81	130	1.4	370	80	120	24	23	ND
79-01-6	TRICHLOROETHYLENE (TCE)	ug/m3	12	12	ND	98	20	8	39	39	ND
75-01-4	VINYL CHLORIDE	ug/m3	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:

ug/m3 - micrograms per cubic meter

ug/L - micrograms per liter

ND - compound not detected.

J - estimated concentration.

* - Results from exhaust not applicable to DOH Indoor Air Matrices. Results shows that the SSDS is successfully remove vapors from the building.

1. Sampling completed by RJS Environmental and summarized in the Phase II Environmental Site Assessment and Vapor Encroachment Screen Report, August 3, 2011.

2. Sampling completed by Groundwater & Environmental Services, Inc. (GES); Validated data and DUSR can be found in the Soil Vapor Intrusion Investigation Summary letter report dated June 27, 2012.

REQUIRED ACTION(S) (Per NYSDOH May 2017 Decision Matrices):

	Identify Source(s) and Resample or Mitigate
	Monitor
	Mitigate

Table 7B
2014-2018 Soil Vapor Intrusion Analytical Summary (Decision Matrix Compounds Only) - 2532 Pine Ave
Time 1-Hour Cleaners
Niagara Falls, New York

			March 2014 Sampling Event				April 2015 Sampling Event			
NYSDEC-Pine Ave Site Validated Air Analytical Data 2532 Pine Ave Decision Matrix Compounds Only			Location ID: 2865E-SS	2865E-IA	IAD	AA	2865E-FF	2865E-IA	2865E-IA (DUP)	AA
			Sample ID: 2865E-SS-032614	2865E-IA-032614	IAD-032614	AA-32614	2865E-FF-033115	2865E-IA-033115	IAD-033115	AA-033115
			Lab Sample Id: 14C0931-02	14C0931-01	14C0931-03	14C0931-06	15D0203-05	15D0203-01	15D0203-03	15D0203-04
			Source: CONTEST	CONTEST	CONTEST	CONTEST	CONTEST	CONTEST	CONTEST	CONTEST
			SDG: 14C0931	14C0931	14C0931	14C0931	15D0203	15D0203	15D0203	15D0203
			Matrix: SOIL VAPOR	AIR	AIR	AIR	AIR	AIR	AIR	AIR
			Sample Type: Sub-Slab	Indoor Air	Indoor Air (DUP)	Ambient Air	Indoor Air	Indoor Air	Indoor Air (DUP)	Outdoor Air
			Location: Basement	Basement	Basement	Outside	1st Floor	Basement	Basement	Outside
			Sampled: 3/27/2014 7:02	3/27/2014 7:02	3/27/2014 7:02	3/27/2014 7:15	4/1/2015 7:01	4/1/2015 7:04	4/1/2015 7:05	4/1/2015 6:47
			Validated: 5/19/2014	5/19/2014	5/19/2014	5/19/2014	6/1/2015	6/1/2015	6/1/2015	6/1/2015
CAS NO.	COMPOUND	UNITS:								
	VOLATILES									
71-55-6	1,1,1-TRICHLOROETHANE	ug/m3	ND	ND	ND	ND	R	ND	ND	ND
75-35-4	1,1-DICHLOROETHENE	ug/m3	ND	ND	ND	ND	ND	ND	ND	ND
56-23-5	CARBON TETRACHLORIDE	ug/m3	ND	0.43	0.45	0.45	0.4 J	0.64	0.57	0.55
156-59-2	CIS-1,2-DICHLOROETHYLENE	ug/m3	6.7	13	13	ND	1.6	14	17	0.053 J
75-09-2	METHYLENE CHLORIDE	ug/m3	14	ND	ND	2.6	3.9	4.5	2.4	1.8
127-18-4	TETRACHLOROETHYLENE(PCE)	ug/m3	420	640	700	1.4	180	550	750	0.64
79-01-6	TRICHLOROETHYLENE (TCE)	ug/m3	12	24	23	ND	16 J	37	41	0.1 J
75-01-4	VINYL CHLORIDE	ug/m3	260	0.095	0.093	ND	0.065 J	0.12	0.13	ND

Notes:

ug/m3 - micrograms per cubic meter

ug/L - micrograms per liter

ND - compound not detected.

J - estimated concentration.

1. Sampling completed by Groundwater & Environmental Services, Inc. (GES); Validated data and DUSR can be found in the Soil Vapor Intrusion Investigation Summary letter report dated June 27, 2012.

REQUIRED ACTION(S) (Per NYSDOH May 2017 Decision Matrices):

	Identify Source(s) and Resample or Mitigate
	Monitor
	Mitigate

Table 7B
2014-2018 Soil Vapor Intrusion Analytical Summary (Decision Matrix Compounds Only) - 2532 Pine Ave
Time 1-Hour Cleaners
Niagara Falls, New York

			September 2015 Sampling Event						
NYSDEC-Pine Ave Site Validated Air Analytical Data 2532 Pine Ave Decision Matrix Compounds Only		Location ID:	2865E-IA-01	2865E-IA-02	2865E-IA-02	2865E-IA-03	2865E-IA-05	2865E-IA-04	2865E-AA-01
		Sample ID:	2865E-IA-091115-01	2865E-IA-091115-02	2865E-IA-091115-DUP	2865E-IA-091115-03	2865E-IA-091115-05	2865E-IA-091115-04	2865E-AA-091115-01
		Lab Sample Id:	15I0584-01	15I0584-02	15I0584-06	15I0584-03	15I0584-05	15I0584-04	15I0584-10
		Source:	CONTEST	CONTEST	CONTEST	CONTEST	CONTEST	CONTEST	CONTEST
		SDG:	15I0584	15I0584	15I0584	15I0584	15I0584	15I0584	15I0584
		Matrix:	AIR	AIR	AIR	AIR	AIR	AIR	AIR
		Sample Type:	Indoor Air	Indoor Air	Indoor Air	Indoor Air	Indoor Air	Indoor Air	Outdoor Air
		Location:	Basement Near Utilities	Basement - Near Sump	Basement - Near Sump	1st Floor - Office	1st Floor - Garage	2nd Floor - Landing	Upwind (Ambient)
		Sampled:	9/11/2015 8:47	9/11/2015 8:32	9/11/2015 8:32	9/11/2015 6:35	9/11/2015 7:31	9/11/2015 8:55	9/11/2015 9:29
Validated:	10/22/2015	10/22/2015	10/22/2015	10/22/2015	10/22/2015	10/22/2015	10/22/2015		
CAS NO.	COMPOUND	UNITS:							
	VOLATILES								
71-55-6	1,1,1-TRICHLOROETHANE	ug/m3	ND	ND	ND	ND	ND	ND	ND
75-35-4	1,1-DICHLOROETHENE	ug/m3	ND	ND	ND	ND	ND	ND	ND
56-23-5	CARBON TETRACHLORIDE	ug/m3	0.49	0.46	0.45	0.61	0.38	0.39	0.49
156-59-2	CIS-1,2-DICHLOROETHYLENE	ug/m3	10	12	12	3.8	2.9	1.4	ND
75-09-2	METHYLENE CHLORIDE	ug/m3	1.3	1.1 J	1.2	1.6	2.9	1.2	1.5
127-18-4	TETRACHLOROETHYLENE(PCE)	ug/m3	210	220	220	180	140	50	1.5
79-01-6	TRICHLOROETHYLENE (TCE)	ug/m3	21	25	25	9.6	8.1	3	0.45
75-01-4	VINYL CHLORIDE	ug/m3	ND	ND	ND	ND	ND	ND	ND

Notes:

ug/m3 - micrograms per cubic meter

ug/L - micrograms per liter

ND - compound not detected.

J - estimated concentration.

1. Sampling completed by Groundwater & Environmental Services, Inc. (GES); Validated data and DUSR can be found in the Soil Vapor Intrusion Investigation Summary letter report dated June 27, 2012.

REQUIRED ACTION(S) (Per NYSDOH May 2017 Decision Matrices):

	Identify Source(s) and Resample or Mitigate
	Monitor
	Mitigate

Table 7B
2014-2018 Soil Vapor Intrusion Analytical Summary (Decision Matrix Compounds Only) - 2532 Pine Ave
Time 1-Hour Cleaners
Niagara Falls, New York

		September 2015 Sampling Event			March 2016 Sampling Event				
NYSDEC-Pine Ave Site Validated Air Analytical Data 2532 Pine Ave Decision Matrix Compounds Only		Location ID:	2865E-OA-01	2865E-OA-02	2865E-OA-03	2865E-SS-01	2865E-IA-01	2865E-IA-03	2865E-IA-04
		Sample ID:	2865E-OA-091115-01	2865E-OA-091115-02	2865E-OA-091115-03	2865E-SS-0333116-01	2865E-IA-0333116-01	2865E-IA-0333116-03	2865E-IA-0333116-04
		Lab Sample Id:	15I0584-07	15I0584-08	15I0584-09	16D0113-06	16D0113-07	16D0113-04	16D0113-03
		Source:	CONTEST	CONTEST	CONTEST	CONTEST	CONTEST	CONTEST	CONTEST
		SDG:	15I0584	15I0584	15I0584	16D0113	16D0113	16D0113	16D0113
		Matrix:	AIR	AIR	AIR	SOIL VAPOR	AIR	AIR	AIR
		Sample Type:	Outdoor Air	Outdoor Air	Outdoor Air	Sub-Slab	Indoor Air	Indoor Air	Indoor Air
		Location:	Near Garage	2nd Story Balcony	Near Furnace Intake	1st Floor - Garage	Basement	1st Floor - Office	2nd Floor - Landing
		Sampled:	9/11/2015 9:14	9/11/2015 10:39	9/11/2015 9:45	3/31/2016 6:55	3/31/2016 6:35	3/31/2016 6:25	3/31/2016 6:25
		Validated:	10/22/2015	10/22/2015	10/22/2015	5/10/2016	5/10/2016	5/10/2016	5/10/2016
CAS NO.	COMPOUND	UNITS:							
	VOLATILES								
71-55-6	1,1,1-TRICHLOROETHANE	ug/m3	ND	ND	ND	ND	ND	ND	ND
75-35-4	1,1-DICHLOROETHENE	ug/m3	ND	ND	ND	ND	0.44	ND	ND
56-23-5	CARBON TETRACHLORIDE	ug/m3	0.48	0.48	0.49	ND	0.82	0.72	0.73
156-59-2	CIS-1,2-DICHLOROETHYLENE	ug/m3	ND	ND	0.19	3.6	58	18	17
75-09-2	METHYLENE CHLORIDE	ug/m3	1.2	1.2 J	1.3	ND	1.1 J	0.75 J	6
127-18-4	TETRACHLOROETHYLENE(PCE)	ug/m3	2.3	3.2	4.5	210	710	240	180
79-01-6	TRICHLOROETHYLENE (TCE)	ug/m3	0.51	0.54	0.66	6	130	39	59
75-01-4	VINYL CHLORIDE	ug/m3	ND	ND	ND	ND	0.86	0.34	0.36

Notes:
ug/m3 - micrograms per cubic meter
ug/L - micrograms per liter
ND - compound not detected.
J - estimated concentration.
1. Sampling completed by Groundwater & Environmental Services, Inc. (GES); Validated data and DUSR can be found in the Soil Vapor Intrusion Investigation Summary letter report dated June 27, 2012.

REQUIRED ACTION(S) (Per NYSDOH May 2017 Decision Matrices):

	Identify Source(s) and Resample or Mitigate
	Monitor
	Mitigate

Table 7B
2014-2018 Soil Vapor Intrusion Analytical Summary (Decision Matrix Compounds Only) - 2532 Pine Ave
Time 1-Hour Cleaners
Niagara Falls, New York

			March 2016 Sampling Event			August 2016 Sampling Event		
NYSDEC-Pine Ave Site Validated Air Analytical Data 2532 Pine Ave Decision Matrix Compounds Only			Location ID: 2865E-AA-01	2865E-AA-03	2865E-AA-03 (DUP)	2865E-IA	2865E-IA	2865E-IA
			Sample ID: 2865E-AA-0333116-01	2865E-AA-0333116-04	2865E-AA-0333116-03	2865E-IA-081816-01	2865E-IA-081816-DUP	2865E-IA-081816-03
			Lab Sample Id: 16D0113-02	16D0113-01	16D0113-05	16H1167-04	16H1167-05	16H1167-03
			Source: CONTEST	CONTEST	CONTEST	CONTEST	CONTEST	CONTEST
			SDG: 16D0113	16D0113	16D0113	16H1167	16H1167	16H1167
			Matrix: AIR	AIR	AIR	AIR	AIR	AIR
			Sample Type: Outdoor Air	Outdoor Air	Outdoor Air	Indoor Air	Indoor Air	Indoor Air
			Location: Upwind (Ambient)	Near Furance Intake	Near Furance Intake	1st Floor - Office	1st Floor - Office	1st Floor - Office
			Sampled: 3/31/2016 6:40	3/31/2016 6:40	3/31/2016 6:40	8/19/2016 7:01	8/19/2016 7:01	8/19/2016 7:08
			Validated: 5/10/2016	5/10/2016	5/10/2016	10/6/2016	10/6/2016	10/6/2016
CAS NO.	COMPOUND	UNITS:						
	VOLATILES							
71-55-6	1,1,1-TRICHLOROETHANE	ug/m3	ND	ND	ND	ND	ND	ND
75-35-4	1,1-DICHLOROETHENE	ug/m3	ND	ND	ND	ND	ND	ND
56-23-5	CARBON TETRACHLORIDE	ug/m3	0.57	0.67	0.57	0.39	0.4	0.3
156-59-2	CIS-1,2-DICHLOROETHYLENE	ug/m3	ND	ND	ND	19	19	3
75-09-2	METHYLENE CHLORIDE	ug/m3	0.44 J	0.65 J	0.41 J	0.69 J	0.97 J	0.94 J
127-18-4	TETRACHLOROETHYLENE(PCE)	ug/m3	1.5	1.6	1.1	61	58	18
79-01-6	TRICHLOROETHYLENE (TCE)	ug/m3	0.25	0.35	0.23	11	11	1.8
75-01-4	VINYL CHLORIDE	ug/m3	ND	ND	ND	0.16	0.17	ND

Notes:

ug/m3 - micrograms per cubic meter

ug/L - micrograms per liter

ND - compound not detected.

J - estimated concentration.

1. Sampling completed by Groundwater & Environmental Services, Inc. (GES); Validated data and DUSR can be found in the Soil Vapor Intrusion Investigation Summary letter report dated June 27, 2012.

REQUIRED ACTION(S) (Per NYSDOH May 2017 Decision Matrices):

	Identify Source(s) and Resample or Mitigate
	Monitor
	Mitigate

Table 7B
2014-2018 Soil Vapor Intrusion Analytical Summary (Decision Matrix Compounds Only) - 2532 Pine Ave
Time 1-Hour Cleaners
Niagara Falls, New York

		August 2016 Sampling Event			November 2016 Sampling Event			
NYSDEC-Pine Ave Site Validated Air Analytical Data 2532 Pine Ave Decision Matrix Compounds Only		Location ID:	2865E-IA	2865E-AA	2865E-OA	2865E-IA	2865E-IA	2865E-IA
		Sample ID:	2865E-IA-081816-04	2865E-AA-081816-01	2865E-OA-081816-03	2865E-IA-111716-04	2865E-IA-111716-DUP	2865E-IA-111716-05
		Lab Sample Id:	16H1167-02	16H1167-06	16H1167-01	16K1135-04	16K1135-07	16K1135-01
		Source:	CONTEST	CONTEST	CONTEST	CONTEST	CONTEST	CONTEST
		SDG:	16H1167	16H1167	16H1167	16K1135	16K1135	16K1135
		Matrix:	AIR	AIR	AIR	AIR	AIR	AIR
		Sample Type:	Indoor Air	Outdoor Air	Outdoor Air	Indoor Air	Indoor Air	Indoor Air
		Location:	2nd Floor - Landing	Upwind (Ambient)	Near Furance Intake	2nd Floor - Landing	2nd Floor - Landing	2nd Floor - 3rd Bedroom
		Sampled:	8/19/2016 7:10	8/19/2016 7:01	8/19/2016 7:01	11/18/2016 9:32	11/18/2016 9:27	11/18/2016 9:33
Validated:	10/6/2016	10/6/2016	10/6/2016	12/16/2016	12/16/2016	12/16/2016		
CAS NO.	COMPOUND	UNITS:						
	VOLATILES							
71-55-6	1,1,1-TRICHLOROETHANE	ug/m3	ND	ND	ND	0.11 J	0.36 J	0.25
75-35-4	1,1-DICHLOROETHENE	ug/m3	ND	ND	ND	0.15 J	0.36 J	ND
56-23-5	CARBON TETRACHLORIDE	ug/m3	0.15 J	0.43	0.47	0.38 J	0.3 J	0.56
156-59-2	CIS-1,2-DICHLOROETHYLENE	ug/m3	0.27	ND	0.16	8 J	16 J	3.9
75-09-2	METHYLENE CHLORIDE	ug/m3	0.92 J	0.74 J	1.2 J	1 J	0.66 J	0.73 J
127-18-4	TETRACHLOROETHYLENE(PCE)	ug/m3	1.1	2.4	2.1	38 J	46 J	21
79-01-6	TRICHLOROETHYLENE (TCE)	ug/m3	19	0.11 J	0.12 J	8.2 J	11 J	10
75-01-4	VINYL CHLORIDE	ug/m3	ND	ND	ND	1.5 J	2.6 J	1.3

Notes:

ug/m3 - micrograms per cubic meter

ug/L - micrograms per liter

ND - compound not detected.

J - estimated concentration.

1. Sampling completed by Groundwater & Environmental Services, Inc. (GES); Validated data and DUSR can be found in the Soil Vapor Intrusion Investigation Summary letter report dated June 27, 2012.

REQUIRED ACTION(S) (Per NYSDOH May 2017 Decision Matrices):

	Identify Source(s) and Resample or Mitigate
	Monitor
	Mitigate

Table 7B
2014-2018 Soil Vapor Intrusion Analytical Summary (Decision Matrix Compounds Only) - 2532 Pine Ave
Time 1-Hour Cleaners
Niagara Falls, New York

			November 2016 Sampling Event					
NYSDEC-Pine Ave Site Validated Air Analytical Data 2532 Pine Ave Decision Matrix Compounds Only		Location ID:	2865E-IA	2865E-IA	2865E-IA	2865E-IA	2865E-IA	2865E-AA
		Sample ID:	2865E-IA-111716-06	2865E-IA-111716-07	2865E-IA-111716-08	2865E-IA-111716-01	2865E-IA-111716-03	2865E-AA-111716-01
		Lab Sample Id:	16K1135-02	16K1135-05	16K1135-03	16K1185-04	16K1185-02	16K1185-03
		Source:	CONTEST	CONTEST	CONTEST	CONTEST	CONTEST	CONTEST
		SDG:	16K1135	16K1135	16K1135	16K1185	16K1185	16K1185
		Matrix:	AIR	AIR	AIR	AIR	AIR	AIR
		Sample Type:	Indoor Air	Indoor Air	Indoor Air	Indoor Air	Indoor Air	OutdoorAir
		Location:	2nd Floor - Spare Bedroom	2nd Floor - Living Room	2nd Floor - Main Bedroom	Basement	1st Floor	Ambient Air - Upwind
		Sampled:	11/18/2016 9:34	11/18/2016 9:34	11/18/2016 9:34	11/18/2016 9:27	11/18/2016 9:27	11/18/2016 9:30
Validated:	12/16/2016	12/16/2016	12/16/2016	12/16/2016	12/16/2016	12/16/2016		
CAS NO.	COMPOUND	UNITS:						
	VOLATILES							
71-55-6	1,1,1-TRICHLOROETHANE	ug/m3	0.37	0.35	0.32	0.46	0.48	0.37
75-35-4	1,1-DICHLOROETHENE	ug/m3	0.18	0.18	0.2	0.39	0.32	0.19
56-23-5	CARBON TETRACHLORIDE	ug/m3	0.48	0.5	0.5	0.25	0.32	0.49
156-59-2	CIS-1,2-DICHLOROETHYLENE	ug/m3	2.9	3.6	3.6	16	6.1	0.16
75-09-2	METHYLENE CHLORIDE	ug/m3	0.98 J	0.98 J	0.72 J	0.66 J	0.88 J	0.96 J
127-18-4	TETRACHLOROETHYLENE(PCE)	ug/m3	4.3	14	15	46	45	0.64
79-01-6	TRICHLOROETHYLENE (TCE)	ug/m3	4.5	7	6.7	10	3.9	0.25
75-01-4	VINYL CHLORIDE	ug/m3	1.2	1.2	1.2	2.4	1.3	0.072 J

Notes:

ug/m3 - micrograms per cubic meter

ug/L - micrograms per liter

ND - compound not detected.

J - estimated concentration.

1. Sampling completed by Groundwater & Environmental Services, Inc. (GES); Validated data and DUSR can be found in the Soil Vapor Intrusion Investigation Summary letter report dated June 27, 2012.

REQUIRED ACTION(S) (Per NYSDOH May 2017 Decision Matrices):

	Identify Source(s) and Resample or Mitigate
	Monitor
	Mitigate

Table 7B
2014-2018 Soil Vapor Intrusion Analytical Summary (Decision Matrix Compounds Only) - 2532 Pine Ave
Time 1-Hour Cleaners
Niagara Falls, New York

			November 2016 Sampling Event		December 2018 Sampling Event			
NYSDEC-Pine Ave Site Validated Air Analytical Data 2532 Pine Ave Decision Matrix Compounds Only		Location ID:	2865E-OA	2865E-OA	2532-IA-120818-01	2532-IA-120818-02	2532-IA-120818-03	2532-IA-120818-04
		Sample ID:	2865E-OA-111716-03	2865E-OA-111716-02	2532-IA-120818-01	2532-IA-120818-02	2532-IA-120818-03	2532-IA-120818-04
		Lab Sample Id:	16K1185-01	16K1135-06	JC79523-1	JC79523-2	JC79523-3	JC79523-4
		Source:	CONTEST	CONTEST	ACCUTEST	ACCUTEST	ACCUTEST	ACCUTEST
		SDG:	16K1185	16K1135	JC79523	JC79523	JC79523	JC79523
		Matrix:	AIR	AIR	AIR	AIR	AIR	AIR
		Sample Type:	Near Furance Intake	Outdoor Air	Indoor Air	Indoor Air	Indoor Air	Indoor Air
		Location:	Ambient Air - Upwind	2nd Floor - Balcony	2nd Floor - Spare Bedroom	2nd Floor - Living Room	2nd Floor - 3rd Bedroom	Basement
		Sampled:	11/18/2016 9:29	11/18/2016 9:35	12/8/2018 8:28	12/8/2018 8:30	12/8/2018 8:15	12/8/2018 8:20
Validated:	12/16/2016	12/16/2016	2/26/2019	2/26/2019	2/26/2019	2/26/2019		
CAS NO.	COMPOUND	UNITS:						
	VOLATILES							
71-55-6	1,1,1-TRICHLOROETHANE	ug/m3	0.29	0.11 J	ND	ND	ND	ND
75-35-4	1,1-DICHLOROETHENE	ug/m3	0.16	0.05 J	ND	ND	ND	ND
56-23-5	CARBON TETRACHLORIDE	ug/m3	0.47	0.47	ND	ND	ND	ND
156-59-2	CIS-1,2-DICHLOROETHYLENE	ug/m3	0.14	0.15	0.48	0.75	1.7	4.4
75-09-2	METHYLENE CHLORIDE	ug/m3	0.7 J	0.79 J	ND	ND	ND	ND
127-18-4	TETRACHLOROETHYLENE(PCE)	ug/m3	0.9	0.59	0.28	0.56	1	4.1
79-01-6	TRICHLOROETHYLENE (TCE)	ug/m3	0.22	0.22	ND	0.23	0.54	1.3
75-01-4	VINYL CHLORIDE	ug/m3	0.09	0.056 J	3.3	3.3	3.6	10

Notes:

ug/m3 - micrograms per cubic meter

ug/L - micrograms per liter

ND - compound not detected.

J - estimated concentration.

1. Sampling completed by Groundwater & Environmental Services, Inc. (GES); Validated data and DUSR can be found in the Soil Vapor Intrusion Investigation Summary letter report dated June 27, 2012.

REQUIRED ACTION(S) (Per NYSDOH May 2017 Decision Matrices):

	Identify Source(s) and Resample or Mitigate
	Monitor
	Mitigate

Table 7B
2014-2018 Soil Vapor Intrusion Analytical Summary (Decision Matrix Compounds Only) - 2532 Pine Ave
Time 1-Hour Cleaners
Niagara Falls, New York

			December 2018 Sampling Event	
NYSDEC-Pine Ave Site Validated Air Analytical Data 2532 Pine Ave Decision Matrix Compounds Only		Location ID: Sample ID: Lab Sample Id: Source: SDG: Matrix: Sample Type: Location: Sampled: Validated:	2532-IA-120818-05 (DUP) 2532-IA-120818-05 JC79523-5 ACCUTEST JC79523 AIR Indoor Air Basement 12/8/2018 8:20 2/26/2019	2532-OA-120818-01 2532-OA-120818-01 JC79523-6 ACCUTEST JC79523 AIR Outdoor Air Near Furance Intake 12/8/2018 8:35 2/26/2019
CAS NO.	COMPOUND	UNITS:		
	VOLATILES			
71-55-6	1,1,1-TRICHLOROETHANE	ug/m3	ND	ND
75-35-4	1,1-DICHLOROETHENE	ug/m3	ND	ND
56-23-5	CARBON TETRACHLORIDE	ug/m3	0.42	0.43
156-59-2	CIS-1,2-DICHLOROETHYLENE	ug/m3	ND	ND
75-09-2	METHYLENE CHLORIDE	ug/m3	2.4	ND
127-18-4	TETRACHLOROETHYLENE(PCE)	ug/m3	0.2 J	0.47
79-01-6	TRICHLOROETHYLENE (TCE)	ug/m3	ND	ND
75-01-4	VINYL CHLORIDE	ug/m3	ND	ND

Notes:
ug/m3 - micrograms per cubic meter
ug/L - micrograms per liter
ND - compound not detected.
J - estimated concentration.
1. Sampling completed by Groundwater & Environmental Services, Inc. (GES);
REQUIRED ACTION(S) (Per NYSDOH May 2017 Decision Matrices):

Identify Source(s) and Resample or Mitigate
Monitor
Mitigate

Table 7C
2017 Soil Vapor Intrusion Analytical Summary (Decision Matrix Compounds Only) - 2602 Pine Avenue
Time 1-Hour Cleaners
Niagara Falls, New York

			March 2017 Sampling Event					
NYSDEC-Pine Ave Site Validated Air Analytical Data 2602 Pine Avenue Property/ Building # 3 Decision Matrix Compounds Only		Location ID:	2935E-SS	2935E-IA	2935E-SS	2935E-IA	2935E-IA	2935E-AA
		Sample ID:	2935E-SS-032117-01	2935E-IA-032117-01	2935E-SS-032117-02	2935E-IA-032117-02	2935E-IA-032117-03	2935E-AA-032117-01
		Lab Sample Id:	17C0975-04	17C0975-08	17C0975-06	17C0975-07	17C0975-05	17C0975-09
		Source:	CONTEST	CONTEST	CONTEST	CONTEST	CONTEST	CONTEST
		SDG:	17C0975	17C0975	17C0975	17C0975	17C0975	17C0975
		Matrix:	SOIL VAPOR	AIR	AIR	AIR	AIR	AIR
		Sample Type:	Sub-Slab	Indoor Air	Sub-Slab	Indoor Air	Indoor Air	Outdoor Air
		Location:	1st Floor - Storage Room	1st Floor - Storage Room	1st Floor - Office	1st Floor - Office	2nd Floor - Bedroom	Ambient - Upwind
		Sampled:	3/22/2017 9:40	3/22/2017 9:40	3/22/2017 9:45	3/22/2017 9:45	3/22/2017 9:48	3/22/2017 10:00
		Validated:	5/8/2017	5/8/2017	5/8/2017	5/8/2017	5/8/2017	5/8/2017
CAS NO.	COMPOUND	UNITS:						
	VOLATILES							
71-55-6	1,1,1-TRICHLOROETHANE	ug/m3	ND	ND	ND	ND	ND	ND
75-35-4	1,1-DICHLOROETHENE	ug/m3	ND	ND	ND	ND	ND	ND
56-23-5	CARBON TETRACHLORIDE	ug/m3	0.38 J	0.45	ND	0.43	0.45	0.42
156-59-2	CIS-1,2-DICHLOROETHYLENE	ug/m3	0.4	ND	220	ND	ND	ND
75-09-2	METHYLENE CHLORIDE	ug/m3	2.2 J	11	ND	7.1	5.3	0.31 J
127-18-4	TETRACHLOROETHYLENE(PCE)	ug/m3	390	4.8	42000	7.3	3.5	ND
79-01-6	TRICHLOROETHYLENE (TCE)	ug/m3	9.8	0.17 J	1300	0.25	0.14 J	ND
75-01-4	VINYL CHLORIDE	ug/m3	ND	ND	ND	ND	ND	ND

Notes:
ug/m3 - micrograms per cubic meter
ug/L - micrograms per liter
ND - compound not detected.
J - estimated concentration.
R - Results rejected by Data Validation
REQUIRED ACTION(S) (Per NYSDOH May 2017 Decision Matrices):

Identify Source(s) and Resample or Mitigate
Monitor
Mitigate

Table 7D
Soil Vapor Intrusion Analytical Summary (Pre and Post SVE System Start Up) - 2532 Pine Avenue
Time 1-Hour Cleaners
Niagara Falls, New York

			December 2020 Sampling Event [Pre-System Start Up]					
NYSDEC-Pine Ave Site Validated Air Analytical Data 2532 Pine Ave Decision Matrix Compounds Only		Location ID: Sample ID: Lab Sample Id: Source: SDG: Matrix: Sample Type: Location: Sampled: Validated:	Basment 2532-IA-120420-01 AIR Indoor Air Basement	Basement Dup 2532-IA-120420-02 AIR Indoor Air Basment	2nd Floor Living Room 2532-IA-120420-03 AIR Indoor Air 2nd Floor Living Room	2nd Floor Bedroom 2532-IA-120420-04 AIR Indoor Air 2nd Floor Bedroom Room	1st Floor Exam Room 2532-IA-120420-05 AIR Indoor Air 1st Floor Exam Room	Outdoor Furnace 2532-OA-120420-01 AIR Indoor Air Near Furnace Intake
CAS NO.	COMPOUND	UNITS:						
	VOLATILES							
71-55-6	1,1,1-TRICHLOROETHANE	ug/m3	ND	ND	ND	ND	ND	ND
75-35-4	1,1-DICHLOROETHENE	ug/m3	0.04	ND	ND	ND	ND	ND
56-23-5	CARBON TETRACHLORIDE	ug/m3	0.06	0.07	0.08	0.09	0.06	0.08
156-59-2	CIS-1,2-DICHLOROETHYLENE	ug/m3	1.2	1.3	0.18	0.14	0.3	ND
75-09-2	METHYLENE CHLORIDE	ug/m3	1.4	0.51	0.51	0.42	1.1	0.53
127-18-4	TETRACHLOROETHYLENE(PCE)	ug/m3	0.27	0.26	0.15	ND	0.11	ND
79-01-6	TRICHLOROETHYLENE (TCE)	ug/m3	0.37	0.22	0.61	0.04	0.1	ND
75-01-4	VINYL CHLORIDE	ug/m3	2	2	0.24	2.8	0.39	ND

Notes:
ug/m3 - micrograms per cubic meter
ug/L - micrograms per liter
ND - compound not detected.
J - estimated concentration.

Table 7D
Soil Vapor Intrusion Analytical Summary (Pre and Post SVE System Start Up) - 2532 Pine Avenue
Time 1-Hour Cleaners
Niagara Falls, New York

			April 2021 Sampling Event [Post System Start-Up]					
NYSDEC-Pine Ave Site Validated Air Analytical Data 2532 Pine Ave Decision Matrix Compounds Only		Location ID: Sample ID: Lab Sample Id: Source: SDG: Matrix: Sample Type: Location: Sampled: Validated:	Basment 2532-IA-42221-01 AIR Indoor Air Basement	Basement Dup 2532-IA-42221-02 AIR Indoor Air Basment	2nd Floor Living Room 2532-IA-42221-03 AIR Indoor Air 2nd Floor Living Room	2nd Floor Bedroom 2532-IA-42221-04 AIR Indoor Air 2nd Floor Bedroom Room	1st Floor Exam Room 2532-IA-42221-05 AIR Indoor Air 1st Floor Exam Room	Outdoor Furnace 2532-OA-42221-01 AIR Outdoor Air Near Furnace Intake
CAS NO.	COMPOUND	UNITS:						
	VOLATILES							
71-55-6	1,1,1-TRICHLOROETHANE	ug/m3	ND	ND	ND	ND	ND	ND
75-35-4	1,1-DICHLOROETHENE	ug/m3	ND	ND	ND	ND	ND	ND
56-23-5	CARBON TETRACHLORIDE	ug/m3	ND	ND	ND	ND	ND	0.09
156-59-2	CIS-1,2-DICHLOROETHYLENE	ug/m3	0.93	0.95	ND	ND	ND	ND
75-09-2	METHYLENE CHLORIDE	ug/m3	ND	ND	ND	ND	ND	0.59
127-18-4	TETRACHLOROETHYLENE(PCE)	ug/m3	1.7	1.6	ND	ND	ND	ND
79-01-6	TRICHLOROETHYLENE (TCE)	ug/m3	0.72	ND	ND	ND	ND	ND
75-01-4	VINYL CHLORIDE	ug/m3	1.1	1.1	ND	ND	ND	ND

Notes:
ug/m3 - micrograms per cubic meter
ug/L - micrograms per liter
ND - compound not detected.
J - estimated concentration.

Table 8
2015 2017 Exterior Soil Vapor Sample Results (Decision Matrix Compounds Only)
Time 1-Hour Cleaners
Niagara Falls, New York

		Field Duplicate							
NYSDEC-Pine Ave Site Validated Soil Vapor Analytical Data Decision Matrix Compounds Only		Location ID:	PA-SV03	PA-SV04	PA-SV05	PA-SV06	PA-SV07	PA-SV08	PA-SV08
		Sample ID:	PA-SV03-072015	PA-SV04-072015	PA-SV05-072015	PA-SV06-072015	PA-SV07-072115	PA-SV08-072115	PA-07215-DUP
		Lab Sample Id	15G1146-01	15G1146-02	15G1146-03	15G1146-04	15G1146-05	15G1146-06	15G1146-07
		Source:	CONTEST	CONTEST	CONTEST	CONTEST	CONTEST	CONTEST	CONTEST
		SDG:	15G1146	15G1146	15G1146	15G1146	15G1146	15G1146	15G1146
		Matrix:	AIR	AIR	AIR	AIR	AIR	AIR	AIR
		Sampled:	7/20/2015 17:30	7/20/2015 17:41	7/20/2015 17:51	7/20/2015 18:09	7/21/2015 11:22	7/21/2015 11:22	7/21/2015 0:00
		Validated:	8/31/2015	8/31/2015	8/31/2015	8/31/2015	8/31/2015	8/31/2015	8/31/2015
CAS NO.	COMPOUND	UNITS:							
	VOLATILES								
71-55-6	1,1,1-TRICHLOROETHANE	ug/m3	6.7	0.098 U	2.9	3.4	0.6	0.098 U	0.098 U
75-35-4	1,1-DICHLOROETHENE	ug/m3	0.097 U	0.097 U	0.097 U	0.097 U	0.097 U	0.097 U	0.097 U
56-23-5	CARBON TETRACHLORIDE	ug/m3	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.65	0.7
156-59-2	CIS-1,2-DICHLOROETHYLENE	ug/m3	2	0.15 U	0.72	0.15 U	0.15 U	98	100
75-09-2	METHYLENE CHLORIDE	ug/m3	0.79 J	1.2 J	0.92 J	1 J	0.78 J	2.3 J	2.5 J
127-18-4	TETRACHLOROETHYLENE(PCE)	ug/m3	1500	17	4500	1000	270	540	540
79-01-6	TRICHLOROETHYLENE (TCE)	ug/m3	81	3.6	38	94	5.4	470	490
75-01-4	VINYL CHLORIDE	ug/m3	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	1.2	1.1

Notes:

ug/m3 - micrograms per cubic meter

J - estimated concentration.

U - compound not detected

Table 8
2015 2017 Exterior Soil Vapor Sample Results (Decision Matrix Compounds Only)
Time 1-Hour Cleaners
Niagara Falls, New York

		Field Duplicate						
NYSDEC-Pine Ave Site Validated Soil Vapor Analytical Data Decision Matrix Compounds Only		PA-SV09 PA-SV09-072115 15G1146-08 CONTEST 15G1146 AIR 7/21/2015 11:41 8/31/2015	PA-SV10 PA-SV10-071918 JC70384-1 ACCUTEST JC70384 AIR 7/19/2018 12:55 9/4/2018	PA-SV11 PA-SV11-071918 JC70384-2 ACCUTEST JC70384 AIR 7/19/2018 13:04 9/4/2018	PA-SV12 PA-SV12-071918 JC70384-3 ACCUTEST JC70384 AIR 7/19/2018 13:45 9/4/2018	PA-SV12 PA-DUP-071918 JC70384-6 ACCUTEST JC70384 AIR 7/19/2018 13:45 9/4/2018	PA-SV13 PA-SV13-071918 JC70384-4 ACCUTEST JC70384 AIR 7/19/2018 14:04 9/4/2018	PA-SV14 PA-SV14-071918 JC70384-5 ACCUTEST JC70384 AIR 7/19/2018 14:15 9/4/2018
CAS NO.	COMPOUND							
	VOLATILES							
71-55-6	1,1,1-TRICHLOROETHANE	0.098 U	1.8	0.76 J	1.1 U	1.1 U	5.5 U	0.6 J
75-35-4	1,1-DICHLOROETHENE	0.097 U	0.79 U	0.79 U	0.79 U	0.79 U	4 U	0.53 J
56-23-5	CARBON TETRACHLORIDE	0.15 U	0.59 J	0.59 J	0.57 J	0.55 J	6.3 U	0.82 J
156-59-2	CIS-1,2-DICHLOROETHYLENE	1.4	0.79 U	0.79 U	0.99	0.91	57.9	76.5
75-09-2	METHYLENE CHLORIDE	0.97 J	3.4	0.69 U	2.1	1.7	35.4	22
127-18-4	TETRACHLOROETHYLENE(PCE)	17	62	70.5	115	100	1100	435
79-01-6	TRICHLOROETHYLENE (TCE)	10	2.6	4.7	54.8	48	530	282
75-01-4	VINYL CHLORIDE	0.11 U	0.51 U	0.51 U	0.51 U	0.51 U	2.6 U	0.49 J

Notes:

ug/m3 - micrograms per cubic meter

J - estimated concentration.

U - compound not detected

Table 9
Building Names
Time 1-Hour Cleaners
Niagara Falls, New York

Building Name (RI Report)	Building Name (2012 GES Report)	Address	SBL
Site Building	Building 2	2526 Pine Avenue	144.82-2-37
2532 Pine Ave	Building 1	2532 Pine Avenue	144.82-2-36
Building 3	-	2602 Pine Avenue	144.82-2-35

APPENDIX A - SOIL BORING AND MONITORING WELL LOGS

Contractor GeoLogic Driller: Steve Laramée Oversight: Allison Jordan Rig Type: Geoprobe						PARSONS DRILLING RECORD		BORING/ Page 1 of 1 WELL NO. MW-02	
PROJECT NAME: NYSDEC Pine Ave PROJECT Location: Niagara Falls, NY						Location Description: Behind Dry Cleaner building			
GROUNDWATER OBSERVATIONS Apparent Borehole DTW: NA ft bls Measured Water Level: NA ft bls Total Depth of Boring: 17.2 ft bls Additional Comments: No water encountered						Date/Time Start: April 25, 2014/0830 Date/Time Finish: April 25, 2014/0910		Location Plan	
Sample Type	SPT	Recovery	PID	USCS Symbol	Depth (ft bls)	FIELD IDENTIFICATION OF MATERIAL		SCHEMATIC Drawing Not to Scale	COMMENTS
HC				SW	0	0-1.5ft-F-C SAND and F-C GRAVEL, trace bricks, trace slag, trace glass, fill n			
				CL	1	1.5-5ft-Moist, stiff, brown, CLAY, some silt, gray mottling			
					2				
					3				
					4				
MC		24"	42.5	CL	5	Moist, stiff, brown, CLAY, some silt			
					6				
MC		24"	15.1	CL	7	0-20"-Moist, stiff, brown, CLAY, some silt. 20-24"-Moist, stiff, brown, CLAY			
					8				
MC		18"	39.4	CL	9	Moist, stiff, brown, CLAY and SILT			
					10				
MC		18"	28.9	CL	11	Moist, soft, brown-gray, CLAY, trace silt			
					12				
MC		12"	33.2	CL	13	Moist, soft, brown-gray, CLAY, trace silt			
					14				
MC		18"	26.3	CL	15	0-8"-Moist, soft, brown-gray, CLAY, trace silt. 8-18"-Moist, stiff, brown, SILT, some clay, some f-c sand, trace coarse gravel			
				ML	16				
MC		0"	0		17	No recovery. Rock in nose.			
					18	Refusal at 17.2 ft			
					19				
					20				
SAMPLING METHOD HC = Hand Cleared (post hole) SS= Split Spoon MC=Macrocore						COMMENTS: 			

Contractor GeoLogic Driller: Steve Laramée Oversight: Allison Jordan Rig Type: CME 55						PARSONS DRILLING RECORD		BORING/ Page 1 of 1 WELL NO. MW-04	
PROJECT NAME: NYSDEC Pine Ave PROJECT Location: Niagara Falls, NY						Location Description: Behind Dry Cleaner building, in ROW of alley			
GROUNDWATER OBSERVATIONS Apparent Borehole DTW: NA ft bls Measured Water Level: NA ft bls Total Depth of Boring: 16ft ft bls Additional Comments: No water encountered						Date/Time Start: April 23, 2014/1300 Date/Time Finish: April 23, 2014/1330		Location Plan	
Sample Type	SPT	Recovery	PID	USCS Symbol	Depth (ft bls)	FIELD IDENTIFICATION OF MATERIAL	SCHEMATIC Drawing Not to Scale	COMMENTS	
HC				SW	0	0-1.5ft-F-C SAND and F-C Gravel, trace bricks, trace slag, trace glass, fill material			
				CL	1	1.5-5ft- Moist/dry, very stiff, brown-orange, CLAY, trace silt			
					2				
					3				
					4				
SS	5-6-7-9	24"	0.0	CL	5	Moist, stiff, brown, CLAY and SILT, some gray mottling			
					6				
SS	10-8-9-10	24"	0.0	CL	7	Moist, very stiff, brown, CLAY, some Silt, some gray mottling			
					8				
SS	2-2-2-2	24"	0.0	CL	9	0-15"-Moist, soft, brown, CLAY, some silt. 15-24"-Moist, soft, gray-brown, CLAY			
					10				
SS	2-3-2-3	24"	0.0	CL	11	0-12"-Moist, medium stiff, gray-brown, CLAY. 12-24"-Very moist, medium stiff, brown, SILT and CLAY, trace fine sand, trace coarse gravel			
				ML	12				
SS	3-3-6-9	12"	0.0	ML	13	Very moist, stiff, brown, SILT, some clay, little fine sand, trace coarse gravel			
					14				
SS	12-50/0.4	18"	0.0	SM	15	Wet, very dense, brown, fine SAND and SILT, little clay, little coarse gravel			
					16	Refusal at 16ft			
					17				
					18				
					19				
					20				
SAMPLING METHOD HC = Hand Cleared (post hole) SS= Split Spoon MC=Macrocore						COMMENTS: 			

Contractor GeoLogic Driller: Steve Laramée Oversight: Allison Jordan Rig Type: CME 55						PARSONS DRILLING RECORD		BORING/ Page 1 of 1 WELL NO. MW-05	
PROJECT NAME: NYSDEC Pine Ave PROJECT Location: Niagara Falls, NY						Location Description: Behind Subway building, in ROW of alley			
GROUNDWATER OBSERVATIONS Apparent Borehole DTW: NA ft bls Measured Water Level: NA ft bls Total Depth of Boring: 15.5 ft bls Additional Comments: No water encountered						Date/Time Start: April 23, 2014/800 Date/Time Finish: April 23, 2014/1000		Location Plan	
Sample Type	SPT	Recovery	PID	USCS Symbol	Depth (ft bls)	FIELD IDENTIFICATION OF MATERIAL		SCHEMATIC	COMMENTS
HC				SW	0	0-1.5ft-F-C SAND and F-C Gravel, trace bricks, trace slag, trace glass, fill mater		Drawing Not to Scale	
				CL	1	1.5ft-Moist, very stiff, orange-brown, CLAY, some silt, some gray mottling			
					2				
					3				
					4				
SS	6-5-7-8	24"	0.0	CL	5	Moist, stiff, brown, CLAY and SILT, some gray mottling			
					6				
SS	9-9-10-9	12"	0.0	CL	7	Moist, stiff, brown, CLAY, some silt, some gray mottling			
					8				
SS	2-3-2-2	24"	0.0	CL	9	0-10"-Moist, stiff, brown, CLAY, some silt. 10-24"-Moist, very soft, gray-brown			
					10				
SS	2-2-4-6	24"	0.0	CL	11	0-18"-Moist, very soft, gray-brown, CLAY. 18-24"-Moist, soft, brown, SILT and CLAY, trace fine sand, trace coarse gravel			
				ML	12				
SS	0-17-19-50/0	12"	0.0	ML	13	Moist, stiff, brown, SILT and CLAY, lttle fine sand, trace coarse gravel			
					14				
					15	Refusal at 15.5ft			
					16				
					17				
					18				
					19				
					20				
SAMPLING METHOD HC = Hand Cleared (post hole) SS= Split Spoon MC=Macrocore						COMMENTS: 			

Contractor: GeoLogic Driller: Steve Laramie Oversight: Allison Jordan Rig Type: Geoprobe						PARSONS DRILLING RECORD		BORING/ Page 1 of 1 WELL NO. MW-06	
PROJECT NAME: NYSDEC Pine Ave PROJECT Location: Niagara Falls, NY						Location Description: West of 2601 Pine Ave, in ROW of 26th St			
GROUNDWATER OBSERVATIONS Apparent Borehole DTW: NA ft bls Measured Water Level: NA ft bls Total Depth of Boring: 16.8 ft bls Additional Comments: No water encountered						Date/Time Start: April 25, 2014/1115 Date/Time Finish: April 25, 2014/1200		Location Plan	
Sample Type	SPT	Recovery	PID	USCS Symbol	Depth (ft bls)	FIELD IDENTIFICATION OF MATERIAL		SCHEMATIC	COMMENTS
HC				ML	0	0-1ft-Moist, dark brown, topsoil/grass/roots		Drawing Not to Scale	
				CL	1	1-5ft-Moist, stiff, brown-orange, CLAY, some silt			
					2				
					3				
					4				
MC		24"	0	CL	5	Moist, very stiff, brown, CLAY, some silt, gray mottling			
					6				
MC		24"	0	CL	7	Moist, very stiff, brown, CLAY, some silt, gray mottling			
					8				
MC		24"	0	CL	9	0-15"-Moist, very stiff, brown, CLAY, some silt, gray mottling. 15-24"-Moist, soft, brown-gray, CLAY, trace silt			
					10				
MC		24"	0	CL	11	Moist, soft, brown-gray, CLAY, trace silt			
					12				
MC		6"	0	CL	13	Moist, soft, brown-gray, CLAY, trace silt			
					14				
MC		12"	0	CL SM	15	0-4"-Moist, soft, brown-gray, CLAY, trace silt. 4-12"-Moist, dense, brown, fine to medium SAND and coarse Gravel, some silt			
					16				
					17	Refusal at 16.8ft			
					18				
					19				
					20				
SAMPLING METHOD HC = Hand Cleared (post hole) SS= Split Spoon MC=Macrocore						COMMENTS: 			

Contractor: GeoLogic Driller: Steve Laramée Oversight: Allison Jordan Rig Type: CME 55						PARSONS DRILLING RECORD		BORING/ Page 1 of 1 WELL NO. SB-06	
PROJECT NAME: NYSDEC Pine Ave PROJECT Location: Niagara Falls, NY						Location Description: Behind 2522 Pine Ave in ROW of alley			
GROUNDWATER OBSERVATIONS Apparent Borehole DTW: NA ft bls Measured Water Level: NA ft bls Total Depth of Boring: 18.7 ft bls Additional Comments: No water encountered						Date/Time Start: April 22, 2014/1120 Date/Time Finish: April 22, 2014/1300		Location Plan	
Sample Type	SPT	Recovery	PID	USCS Symbol	Depth (ft bls)	FIELD IDENTIFICATION OF MATERIAL		SCHEMATIC	COMMENTS
HC				SW	0	0-0.5ft-asphalt. 0.5-1ft-Wet, fine to coarse SAND and GRAVEL, fill material		Drawing Not to Scale	
				CL	1	1-5ft-Moist, very stiff, brown, CLAY, some gray mottling			
					2				
					3				
					4				
SS	7-10-11-12	24"	0	CL	5	Moist, very stiff, brown, CLAY, some silt, gray mottling			
					6				
SS	4-18-22-2	6"	0	CL	7	Moist, hard, brown, CLAY, some silt, gray mottling			
					8				
SS	4-5-4-5	24"	0	CL	9	0-20"-Moist, stiff, brown, CLAY, some silt, gray mottling. 20-24"-Moist, stiff, brown, CLAY, trace silt, very cohesive			
					10				
SS	6-5-4-4	24"	0	CL	11	Very moist, stiff, brown-orange, CLAY, little silt, very cohesive			
					12				
SS	2-2-2-2	6"	0	CL	13	Very moist, soft, brown, CLAY, little silt, very cohesive			
					14				
SS	2-18-24-40	8"	0	SW	15	0-2"-Very moist, medium dense, brown, fine sand, some clay. 2-8"-Very moist, dense, fine to coarse SAND and GRAVEL			
					16				
SS	8-25-50/4	10"	0	SW	17	Moist, hard, brown, medium to fine SAND and coarse GRAVEL			
					18				
					19	Refusal at 18.7ft			
					20				
SAMPLING METHOD HC = Hand Cleared (post hole) SS= Split Spoon MC=Macrocore						COMMENTS: 			

Contractor: GeoLogic Driller: Steve Laramie Oversight: Allison Jordan Rig Type: CME 55						PARSONS DRILLING RECORD		BORING/ Page 1 of 1 WELL NO. SB-07	
PROJECT NAME: NYSDEC Pine Ave PROJECT Location: Niagara Falls, NY						Location Description: Behind 2522 Pine Ave in ROW of alley			
GROUNDWATER OBSERVATIONS Apparent Borehole DTW: NA ft bls Measured Water Level: NA ft bls Total Depth of Boring: 17.2 ft bls Additional Comments: No water encountered						Date/Time Start: April 24, 2014/915 Date/Time Finish: April 24, 2014/1015		Location Plan	
Sample Type	SPT	Recovery	PID	USCS Symbol	Depth (ft bls)	FIELD IDENTIFICATION OF MATERIAL		SCHEMATIC	COMMENTS
HC				SW	0	0-1.5ft-Moist, fine to coarse SAND and GRAVEL, fill material		Drawing Not to Scale	
				CL	1	1.5-5ft-Moist, stiff, brown, CLAY, little silt, some gray mottling			
					2				
					3				
					4				
SS	5-8-10-14	20"	0	CL	5	Moist, very stiff, brown, CLAY, little silt, trace fine sand at 12"			
					6				
SS	8-18-14-1	20"	0	CL	7	Moist, hard, brown, CLAY, some silt			
					8				
SS	4-5-5-4	24"	0	CL	9	0-10"-Moist, stiff, brown, CLAY, some silt. 10-24"-Moist, stiff, brown, CLAY, trace silt, cohesive			
					10				
SS	4-3-3-2	24"	0	CL	11	Moist, medium stiff, brown-gray, CLAY, very cohesive			
					12				
SS	2-2-19-45	15"	0	SM	13	0-11"-Moist, soft, brown-gray, CLAY, very cohesive. 11-15"-wet, very dense, fine to coarse SAND, some coarse gravel			
					14				
SS	0-30-35-3	12"	0	SM	15	Moist, very dense, brown-gray, fine to medium SAND and SILT, some coarse gravel			
					16				
SS	50/0.1	0"	NA	NA	17	No Recovery			
					18	Refusal at 17.2ft			
					19				
					20				
SAMPLING METHOD HC = Hand Cleared (post hole) SS= Split Spoon MC=Macrocore						COMMENTS: 			

Contractor: GeoLogic Driller: Steve Laramie Oversight: Allison Jordan Rig Type: CME 55						PARSONS DRILLING RECORD		BORING/ Page 1 of 1 WELL NO. SB-09	
PROJECT NAME: NYSDEC Pine Ave PROJECT Location: Niagara Falls, NY						Location Description: Behind 2532 Pine Ave in ROW of alley			
GROUNDWATER OBSERVATIONS Apparent Borehole DTW: NA ft bls Measured Water Level: NA ft bls Total Depth of Boring: 16.3 ft bls Additional Comments: No water encountered						Date/Time Start: April 24, 2014/1300 Date/Time Finish: April 24, 2014/1345		Location Plan	
Sample Type	SPT	Recovery	PID	USCS Symbol	Depth (ft bls)	FIELD IDENTIFICATION OF MATERIAL		SCHEMATIC	COMMENTS
HC				SW	0	0-1.5ft-Moist, fine to coarse SAND and GRAVEL, fill material		Drawing Not to Scale	
				CL	1	1.5-5ft-Moist, very stiff, brown-orange, CLAY, some silt			
					2				
					3				
					4				
SS	5-6-7-8	24"	0.3	CL	5	Moist, stiff, brown, CLAY, some silt, trace fine sand, gray mottling			
					6				
SS	5-8-7-7	24"	0	CL	7	Moist, stiff, brown, CLAY, some silt, trace fine sand, gray mottling			
					8				
SS	4-3-3-3	24"	0.1	CL	9	0-12"-Moist, medium stiff, brown, CLAY and SILT. 12-24"-Wet, medium stiff, brown-gray, CLAY, very cohesive			
					10				
SS	2-2-2-3	24"	0	CL	11	Very moist, soft, brown-gray, CLAY, very cohesive			
					12				
SS	3-5-3-9	8"	0	ML	13	Moist, medium stiff, brown, SILT, some clay, some fine sand, trace coarse gravel			
					14				
SS	9-12-50/1	15"	0	ML	15	Moist, hard, brown, SILT, some clay, some fine sand, trace coarse gravel			
					16	Refusal at 16.3 ft			
					17				
					18				
					19				
					20				
SAMPLING METHOD HC = Hand Cleared (post hole) SS = Split Spoon MC = Macrocore						COMMENTS: 			

Contractor: Nothnagle Drilling Driller: T. Margafrita Oversight: Dan Chamberland Rig Type: CME 55						PARSONS DRILLING RECORD		BORING/ WELL NO. Page 1 of 1	
PROJECT NAME: DEC Pine ave investigation PROJECT LOCATION: Pine Ave, Niagara Falls, NY						Location Description: MW-07			
GROUNDWATER OBSERVATIONS Apparent Borehole DTW: 21 Measured Water Level: Total Depth of Well: 27 Additional Comments:						Date/Time Start: 6/11/2018 09:30 Date/Time Finish: 6/12/2018 12:00		Location Plan	
Sample Type	SPT	Recovery (%)	PID (PPM)	USCS Symbol	Depth (ft bls)	FIELD IDENTIFICATION OF MATERIAL		SCHEMATIC Drawing Not to Scale	COMMENTS
HC		100	0.0	GW	1	0-1.5BGS:FILL, SAND and GRAVEL, fine to coarse, some Brick, well graded, brown, dry			
HC		100	0.0	SC	3	1.5-3.0 BGS: CLAY with little Sand, coarse, well graded, reddish brown, damp			
HC		100	0.0	SC	5	3.0-5.0 BGS: Moist, brown, CLAY, little coarse sand.			
MC		100	0.0	CL	7	5.0-6.0 BGS:Moist, medium stiff, brown, lean CLAY, little silt, trace fine sand.			
MC		100	0.0	OL	9	6.0-9.0 BGS: Moist, medium stiff, brown, lean CLAY, trace silt.			
MC		80	0.0	OL/SC	11	9.0-9.7 BGS: Moist, medium stiff, brown, lean CLAY, trace silt.			
MC		80	1.2	GM	13	9.7-11.5 BGS: Moist, medium stiff, reddish-brown with gray mottling, CLAY, some silt, grading to SILT.			
MC		55	0.0	GM	15	11.5-13.0 BGS: Wet, medium dense, reddish-brown, well graded SAND and GRAVEL, some silt.			
					17	13.0-15.0 BGS: Moist, stiff, reddish-brown, SILT and well graded angular GRAVEL.			
					19	Using roller bit to grind out rock socket, no recovery			
					21				
					23	17-27 BGS: Rock core: 100 percent Dolostone with moderate fracturing.			
					25				
					27				
					29				
					31				
					33				
					35				
					37				
					39				
					41				
SAMPLING METHOD HC = Hand Cleared (post hole) to 5 feet SS= Split Spoon MC=Macrocore						COMMENTS: 			

[illegible]

Contractor: Nothnagle Drilling Driller: _____ Oversight: Dan Chamberland Rig Type: Geoprobe						PARSONS DRILLING RECORD		BORING/ WELL NO. Page 1 of 1 Location Description: MW-08	
PROJECT NAME: DEC Pine ave investigation PROJECT LOCATION: Pine Ave, Niagara Falls, NY						Date/Time Start: 6/13/2018 02:30 Date/Time Finish: 6/14/2018 11:00		Location Plan	
GROUNDWATER OBSERVATIONS Apparent Borehole DTW: 21 Measured Water Level: _____ Total Depth of Well: 27.8 Additional Comments: _____									
Sample Type	SPT	Recovery (%)	PID (PPM)	USCS Symbol	Depth (ft bls)	FIELD IDENTIFICATION OF MATERIAL		SCHEMATIC Drawing Not to Scale	COMMENTS
HC		100	0.0		1	0.0-0.4 BGS: Asphalt			
HC		100	0.0		3	0.4-2.0 BGS: Dry, brown, FILL, we graded SAND and CINDERS, some brick.			
HC		100	0.0		5	2.0-5.0 BGS: Moist, medium stiff, black to gray, lean CLAY, trace fine sand.			
MC		100	0.0		7	5.0-9.0 BGS: Moist, very stiff, grey to brown, fat CLAY.			
MC		100	0.0		9				
MC		100	0.0		11	9.0-12.0 BGS: Moist, very stiff, gray and brown, fat CLAY.			
MC		100	0.0		13	12.0-13.0 BGS: Moist, medium soft, brown, CLAY, some silt.			
MC		50	0.0		15	13.0-15.7 BGS: Moist, soft, brown, CLAY, some silt. Refusal at 15.7 BGS due to bedrock			
					17	15.7-17.7 BGS: Rock coring, no recovery			
					19				
					21				
					23				
					25	17.7-27.8 BGS: Rock core dolostone with fractures and vugs. RQD:76% (See separate rock coring log)			
					27				
					29				
					31	End of Boring at 27.8 ft bgs			
					33				
					35				
					37				
					39				
					41				
SAMPLING METHOD HC = Hand Cleared (post hole) to 5 feet SS= Split Spoon MC=Macrocore						COMMENTS: _____ _____ _____			

[illegible]

Contractor: Nothnagle Drilling Driller: T. Margafrida Oversight: P. Scharfshwerdt Rig Type: CME-55						PARSONS DRILLING RECORD		BORING/ WELL NO. Page 1 of 2	
						PROJECT NAME: Pine Ave Site PROJECT Location: Niagara Falls, NY		Location Descriptio Intersection of Pine Ave and 26th St	
GROUNDWATER OBSERVATIONS Apparent Borehole DTW: ft bls Measured Water Level: ft bls Total Depth of Well: ft bls Additional Comments:						Date/Time Start: 6/18/18 Date/Time Finish: 6/19/18		Location Plan	
Sample Type	SPT	Recovery (%)	PID (PPM)	USCS Symbol	Depth (ft bls)	FIELD IDENTIFICATION OF MATERIAL		SCHEMATIC	COMMENTS
					1				
				GM	2	Dry, dark gray/brown Clay, sand, gravel FILL			
					3				
				CH	4	Moist, orange-brown, soft, CLAY, mod-high plasticity			
HC	-	-	0.0	CL	5	Moist, light brown - brownish gray, medium stiff, CLAY with some F sand and silt; v			
				CH	6	Moist, reddish brown to grayish brown, soft, CLAY, mod-high plasticity.			
	-			CL	7	Moist, reddish brown to grayish brown, medium stiff, CLAY with some silt, and littl			
DP			0.0	CH	8	Moist, reddish brown to grayish brown, soft, CLAY, mod-high plasticity.			
	-			CL	9	Moist, reddish brown to grayish brown, medium stiff, CLAY with some silt, and littl			
				CH	10	Wet, reddish brown to grayish brown, soft, CLAY, mod-high plasticity.			
DP	-		0.0	CL	11	Moist, reddish brown to grayish brown, medium stiff, CLAY with some silt, and littl			
				CH	12	Wet, reddish brown to grayish brown, soft, CLAY, mod-high plasticity.			
	-			CL	13	Wet, reddish brown to grayish brown, medium stiff, CLAY with some silt, and little			
DP			0.0	CH	14	Wet, reddish brown to grayish brown, soft, CLAY, mod-high plasticity.			
	-			GM	15	Wet, reddish brown to grayish brown, soft, CLAY, with some F-C Gravel and M-F S			
DP			0.0	GM	16	Wet, reddish brown to grayish brown, soft, CLAY, with some F-C Gravel and M-F S			
					17	END OF OVERBURDEN BORING -- BEGIN HQ CORING			
					18				
					19				
					20				
SAMPLING METHOD HC = Hand Cleared (post hole) SS= Split Spoon						COMMENTS: Varved clays interbedded with soft, fatty, plastic clays. Sampled highest PID interval; 9-10 ft bgs.			

Contractor: Nothnagle Drilling Driller: T. Margafrida Oversight: P. Scharf Schwerdt Rig Type: CME-55						PARSONS DRILLING RECORD		BORING/ WELL NO. Page 1 of 2																																																																																																																																													
PROJECT NAME: Pine Ave Site PROJECT Location: Niagara Falls, NY						Location Description: Intersection of Pine Ave and 26th St																																																																																																																																															
GROUNDWATER OBSERVATIONS Apparent Borehole DTW: ft bls Measured Water Level: ft bls Total Depth of Well: ft bls Additional Comments:						Date/Time Start: 6/18/18 Date/Time Finish: 6/19/18		Location Plan																																																																																																																																													
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SAMPLING METHOD HC = Hand Cleared (post hole) SS= Split Spoon						COMMENTS: 																																																																																																																																															

File: Corelog.xls				CORE LOG				Hole No.: MW-09		Job No.: 448433.03000	
								Sheet 1 of 1		Date Started: 6/18/2018	
Project: Pine Ave Site				Drilling Contractor: Nothnagle Drilling							
Client: NYSDEC				Driller: Tom Margafrida							
Purpose: Monitoring Well Installation				Geologist: Pete Scharfschwerdt							
Location: Niagara Falls, NY				Length of Casing: 18-ft							
Hole Location: Intersection of 26th St and Pine Ave.				Casing Size: 4-in		Core Size: 2-in		HQ		Inclination/Bearing: NA	
Formation Member	Unit	Run No.	Pen. Rate (min. per foot)	Depth Scale	Lithologic Description (include in order: ROCK TYPE, color, grain size, texture, bedding, fracture & minerals.)	Core Recovery		RQD			
						Length	Percent				
		1		19'	Dolomitic wackestone, dark-light gray, mud-supported with ~10% fine grains. Vuggy with diagenetic flourite crystal, and calcite. Hermatypic coral fragments & porous throughout. 21.60': Large vug, fractured interval; water-bearing.	5-ft	100%	65%			
		2		21'	Dolomitic bio-grainstone, dark-light gray, calcareous vugs, sphalerite and medium flourite crystal grains in vugs. Coral/reef framework throughout.	5-ft	100%	63%			
									END OF CORE LOG @ 28.00'		

Contractor: Nothnagle Drilling						PARSONS DRILLING RECORD		BORING/ WELL NO.		Page 1 of 1
Driller: _____ Oversight: Dan Chamberland Rig Type: Soft Digging						PROJECT NAME: DEC Pine ave investigation PROJECT LOCATIO Pine Ave, Niagara Falls, NY		Location Description: SVP-10		
GROUNDWATER OBSERVATIONS Apparent Borehole DTW: _____ Measured Water Level: _____ Total Depth of Well: _____ Additional Comments: _____ _____ _____						Date/Time Start: 6/14/2018 13:30 Date/Time Finish: 6/15/2018 09:00		Location Plan		
Sample Type	SPT	Recovery (%)	PID (PPM)	USCS Symbol	Depth (ft bls)	FIELD IDENTIFICATION OF MATERIAL		SCHEMATIC Drawing Not to Scale	COMMENTS	
					1	0-0.5 BGS: Concrete 0.5-1.5 BGS: Moist, fine to coarse, reddish brown, GRAVEL, little sand.(FILL)				
				2						
HC	NA	100	0.0	FILL	3					
					4					
					5					
					6					
					7					
					8					
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SAMPLING METHOD HC = Hand Cleared (post hole) to 5 feet SS= Split Spoon						COMMENTS: _____ _____ _____				

Contractor: Nothnagle Drilling Driller: _____ Oversight: Dan Chamberland Rig Type: Soft Digging						PARSONS DRILLING RECORD		BORING/ Page 1 of 1 WELL NO.	
						PROJECT NAME: DEC Pine ave investigation PROJECT LOCATIO Pine Ave, Niagara Falls, NY		Location Description: SVP-11	
GROUNDWATER OBSERVATIONS Apparent Borehole DTW: _____ Measured Water Level: _____ Total Depth of Well: _____ Additional Comments: _____						Date/Time Start: 6/15/2018 09:30 Date/Time Finish: 6/15/2018 11:30		Location Plan	
Sample Type	SPT	Recovery (%)	PID (PPM)	USCS Symbol	Depth (ft bls)	FIELD IDENTIFICATION OF MATERIAL		SCHEMATIC Drawing Not to	COMMENTS
					1	0-0.7 BGS: Concrete 0.7-2.5 BGS: Moist, fine to coarse, reddish brown, GRAVEL, little sand.(FILL)			
					2				
HC	NA	100	0.0	FILL	3				
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SAMPLING METHOD HC = Hand Cleared (post hole) to 5 feet SS= Split Spoon						COMMENTS: _____ _____ _____			

Contractor: Nothnagle Drilling Driller: _____ Oversight: Dan Chamberland Rig Type: Soft Digging						PARSONS DRILLING RECORD		BORING/ Page 1 of 1 WELL NO.	
						PROJECT NAME: DEC Pine ave investigation PROJECT LOCATIO Pine Ave, Niagara Falls, NY		Location Description: SVP-12	
GROUNDWATER OBSERVATIONS Apparent Borehole DTW: _____ Measured Water Level: _____ Total Depth of Well: _____ Additional Comments: _____						Date/Time Start: 6/15/2018 11:30 Date/Time Finish: 6/15/2018 13:00		Location Plan	
Sample Type	SPT	Recovery (%)	PID (PPM)	USCS Symbol	Depth (ft bls)	FIELD IDENTIFICATION OF MATERIAL		SCHEMATIC Drawing Not to	COMMENTS
					1	0-0.3 BGS: Concrete 0.3-1.5 BGS: Dry, fine to coase, angular GRAVEL, some clay and sand (FILL).			
					2				
HC	NA	100	0.0	FILL	3				
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SAMPLING METHOD HC = Hand Cleared (post hole) to 5 feet SS= Split Spoon						COMMENTS: _____ _____ _____			

Contractor: Nothnagle Drilling Driller: _____ Oversight: P. Scharfschwerdt Rig Type: Soft Digging						PARSONS DRILLING RECORD		BORING/ Page 1 of 1 WELL NO.	
PROJECT NAME: DEC Pine ave investigation PROJECT LOCATIO Pine Ave, Niagara Falls, NY						Location Description: SVP-13			
GROUNDWATER OBSERVATIONS Apparent Borehole DTW: _____ Measured Water Level: _____ Total Depth of Well: _____ Additional Comments: _____						Date/Time Start: 6/20/2018 11:20 Date/Time Finish: 6/20/2018 13:50		Location Plan	
Sample Type	SPT	Recovery (%)	PID (PPM)	USCS Symbol	Depth (ft bls)	FIELD IDENTIFICATION OF MATERIAL		SCHEMATIC Drawing Not to	COMMENTS
					1	0-3" Dry, fine to medium angular dolostone GRAVEL. 3"-2' Moist, CLAY, some fine to coarse gravel, some cobbles, some to little medium to coarse fill.			
					2				
HC	NA	100	0.0	FILL	3				
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					21				
SAMPLING METHOD HC = Hand Cleared (post hole) to 5 feet SS= Split Spoon						COMMENTS: _____ _____ _____			

Contractor: Nothnagle Drilling Driller: _____ Oversight: Dan Chamberland Rig Type: Soft Digging						PARSONS DRILLING RECORD		BORING/ WELL NO. Page 1 of 1 Location Description: SVP-14	
PROJECT NAME: DEC Pine ave investigation PROJECT LOCATION: Pine Ave, Niagara Falls, NY									
GROUNDWATER OBSERVATIONS Apparent Borehole DTW: _____ Measured Water Level: _____ Total Depth of Well: _____ Additional Comments: _____						Date/Time Start: 6/12/2018 12:30 Date/Time Finish: 6/12/2018 14:30		Location Plan	
Sample Type	SPT	Recovery (%)	PID (PPM)	USCS Symbol	Depth (ft bls)	FIELD IDENTIFICATION OF MATERIAL		SCHEMATIC Drawing Not to	COMMENTS
					1	0-0.5 BGS: Concrete 0.5-2.0 BGS: Dry, well graded angular GRAVEL, some silt, some sand (FILL)			
					2				
HC	NA	100	0.0	FILL	3				
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SAMPLING METHOD HC = Hand Cleared (post hole) to 5 feet SS= Split Spoon						COMMENTS: _____ _____ _____			

Contractor: Nature's Way Driller: Nate Grinrich Oversight: Alison Cook Rig Type: Hand Auger						PARSONS DRILLING RECORD		BORING/ Page 1 of 1 WELL NO SVE-01	
						PROJECT NAME: Pine Ave PROJECT Location: 2530 Pine Ave, Niagra Falls NY		Location Description: SW corner of basement, near circuit board, and sewer drain	
GROUNDWATER OBSERVATIONS Apparent Borehole DTW: ft bls Measured Water Level: ft bls Total Depth of Well: ft bls Additional Comments:						Date/Time Start: 6/24/19 1415 Date/Time Finish:		Location Plan	
Sample Type	SPT	Recovery (%)	PID (PPM)	USCS Symbol	Depth (ft bls)	FIELD IDENTIFICATION OF MATERIAL		SCHEMATIC	COMMENTS
						Drawing Not to Scale			
HC	NA	NA	0.1ppm	CL	1	Wet, brown, CLAY, little fine gravel, no odor (black fill between concrete and clay			
HC	NA	NA	0.1ppm	CL	2	Wet, brown, CLAY, little fine to medium gravel, no odor (black fill between concr			
HC	NA	NA	0.1ppm	CL	3	Wet, brown, CLAY, little fine to medium gravel, no odor (black fill between concr			
HC	NA	NA	0.1ppm	CL	4	Wet, brown, CLAY, some fine to medium gravel.			
HC	NA	NA	0.1ppm	CL	5	Wet, brown, CLAY, some fine to course gravel, little medium sand, no odor. Hit rock (auger refusal)			
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SAMPLING METHOD HC = Hand Cleared (post hole) SS= Split Spoon						COMMENTS: 			

Contractor: Nature's Way Driller: Nate Grinrich Oversight: Alison Cook Rig Type: Hand Auger						PARSONS DRILLING RECORD		BORING/ Page 1 of 1 WELL NO SVE-02	
						PROJECT NAME: Pine Ave PROJECT Location: 2530 Pine Ave, Niagra Falls NY		Location Description: Against east wall of basement, between small closet and old concrete pipe pad	
GROUNDWATER OBSERVATIONS Apparent Borehole DTW: ft bls Measured Water Level: ft bls Total Depth of Well: ft bls Additional Comments:						Date/Time Start: 6/24/19 1510 Date/Time Finish:		Location Plan	
Sample Type	SPT	Recovery (%)	PID (PPM)	USCS Symbol	Depth (ft bls)	FIELD IDENTIFICATION OF MATERIAL		SCHEMATIC	COMMENTS
						Drawing Not to Scale			
HC	NA	NA	23.3ppm	CL	1	Wet, brown with Black, CLAY, fine and medium gravel.			
HC	NA	NA	57.6ppm	ML	2	Wet, brown, CLAY and Silt, fine gravel, no odor.			
HC	NA	NA	33.4ppm	ML	3	Wet, brown, CLAY and Silt, fine gravel, no odor.			
HC	NA	NA	125ppm	ML	4	Wet, brown, SILT and fine to coarse Gravel, some clay, no odor.			
HC	NA	NA	21.2ppm	ML	5	Wet, brown, SILT and fine to coarse Gravel, some clay, no odor.			
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SAMPLING METHOD HC = Hand Cleared (post hole) SS= Split Spoon						COMMENTS: 			

Contractor: Nature's Way Driller: Nate Grinrich Oversight: Alison Cook Rig Type: Hand Auger						PARSONS DRILLING RECORD		BORING/ Page 1 of 1 WELL NO SVE-03																																																																																																																																																													
PROJECT NAME: Pine Ave PROJECT Location: 2530 Pine Ave, Niagra Falls NY						Location Description: NW corner of basement west of stairwell, north of coffin freezer																																																																																																																																																															
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Contractor: Nature's Way Driller: Nate Grinrich Oversight: Alison Cook Rig Type: Hand Auger						PARSONS DRILLING RECORD		BORING/ Page 1 of 1 WELL NO PVE-01	
						PROJECT NAME: Pine Ave PROJECT Location: 2530 Pine Ave, Niagra Falls NY		Location Description: SE corcer of basement, under SE window ~10 ft off of South wall	
GROUNDWATER OBSERVATIONS Apparent Borehole DTW: ft bls Measured Water Level: ft bls Total Depth of Well: ft bls Additional Comments:						Date/Time Start: 6/24/19 1430 Date/Time Finish:		Location Plan	
Sample Type	SPT	Recovery (%)	PID (PPM)	USCS Symbol	Depth (ft bls)	FIELD IDENTIFICATION OF MATERIAL		SCHEMATIC	COMMENTS
						Drawing Not to Scale			
HC	NA	NA	0.3ppm	CL	1	Moist, brown, CLAY, some fine to course gravel, little medium sand, no odor.			
HC	NA	NA	0.0ppm	CL	2	Moist, brown, CLAY, some fine to course gravel, little medium sand, no odor. FIL			
HC	NA	NA	0.5ppm	CL	3	Wet, brown, CLAY, little silt, fine gravel, no odor.			
HC	NA	NA	0.5ppm	CL	4	Wet, brown, CLAY, little silt, fine to medium gravel, no odor.			
HC	NA	NA	0.5ppm	ML	5	Wet, brown, SILT and Clay, some fine to medium gravel.			
					6				
					7				
					8				
SAMPLING METHOD HC = Hand Cleared (post hole) SS= Split Spoon						COMMENTS: 			

Contractor: Nature's Way Driller: Nate Grinrich Oversight: Alison Cook Rig Type: Hand Auger						PARSONS DRILLING RECORD		BORING/ Page 1 of 1 WELL NO PVE-02	
						PROJECT NAME: Pine Ave PROJECT Location: 2530 Pine Ave, Niagra Falls NY		Location Description: Against east wall of basement, between old dryer and hot water heater	
GROUNDWATER OBSERVATIONS Apparent Borehole DTW: ft bls Measured Water Level: ft bls Total Depth of Well: ft bls Additional Comments:						Date/Time Start: 6/24/19 1450 Date/Time Finish:		Location Plan	
Sample Type	SPT	Recovery (%)	PID (PPM)	USCS Symbol	Depth (ft bls)	FIELD IDENTIFICATION OF MATERIAL		SCHEMATIC	COMMENTS
						Drawing Not to Scale			
HC	NA	NA	2.5ppm	CL	1	Wet, brown-black, CLAY and fine to medium Gravel, some black gravel between foundation and clay, no odor.			
HC	NA	NA	6.5ppm	CL	2	Wet, brown-black, CLAY and fine to medium Gravel, no odor.			
HC	NA	NA	10ppm	CL	3	Wet, brown, CLAY, little to trace fine gravel, no odor.			
HC	NA	NA	4.4ppm	CL	4	Wet, brown, CLAY, some silt, some fine to medium gravel, fine sand, no odor.			
HC	NA	NA	1.5ppm	ML	5	Wet, brown, SILT and Clay, some fine gravel, some fine sand.			
					6				
					7				
					8				
					9				
					10				
					11				
					12				
					13				
					14				
					15				
					16				
					17				
					18				
					19				
					20				
					21				
SAMPLING METHOD HC = Hand Cleared (post hole) SS= Split Spoon						COMMENTS: 			

WELL DEVELOPMENT LOG					
Date	6/20/18	Field Personnel	PRS	Weather	
Site Name	Pine Ave	Contractor/Driller	Nothnagle	Well #	MW-07
Site Location	Niagara Falls, NY	Evacuation Method	Waterra	Date Installed:	6/12/18

Depth to bottom (initial)	<u>25.99</u> ft.	Measurements taken from:	<u>TOIC</u>
Depth to bottom (final)	<u>25.99</u> ft.	Well Diameter:	<u>2</u> in.
Depth to water (initial)	<u>17.47</u> ft.	Casing volume:	<u>1.39</u> gal.
Depth to water (final)	<u>17.85</u> ft.	Pump setting intake:	<u>25</u> ft.

[illegible]

Total volume of water removed: <u>20 gal</u>	
Physical appearance at start:	Physical appearance at stop:
Color <u>Milky white</u>	Color <u>Clear</u>
Odor <u>None</u>	Odor <u>None</u>
Sheen/Free Product <u>None</u>	Sheen/Free Product <u>None</u>

Page 1 of 1

WELL DEVELOPMENT LOG					
Date	6/20/18	Field Personnel	PRS	Weather	
Site Name	Pine Ave	Contractor/Driller	Nothnagle	Well #	MW-08
Site Location	Niagara Falls, NY	Evacuation Method	Waterra	Date Installed:	6/13/18

Depth to bottom (initial)	<u>27.32</u> ft.	Measurements taken from:	<u>TOIC</u>
Depth to bottom (final)	<u>27.32</u> ft.	Well Diameter:	<u>2</u> in.
Depth to water (initial)	<u>17.77</u> ft.	Casing volume:	<u>1.56</u> gal.
Depth to water (final)	<u>17.90</u> ft.	Pump setting intake:	<u>26</u> ft.

[illegible]

Total volume of water removed: <u>20 gal</u>	
Physical appearance at start:	Physical appearance at stop:
Color <u>Light orange-tan</u>	Color <u>Clear</u>
Odor <u>None</u>	Odor <u>None</u>
Sheen/Free Product <u>None</u>	Sheen/Free Product <u>None</u>

Page 1 of 1

WELL DEVELOPMENT LOG					
Date	6/20/18	Field Personnel	PRS	Weather	
Site Name	Pine Ave	Contractor/Driller	Nothnagle	Well #	MW-09
Site Location	Niagara Falls, NY	Evacuation Method	Waterra	Date Installed:	6/14/18

Depth to bottom (initial)	<u>27.54</u> ft.	Measurements taken from:	<u>TOIC</u>
Depth to bottom (final)	<u>27.54</u> ft.	Well Diameter:	<u>2</u> in.
Depth to water (initial)	<u>17.98</u> ft.	Casing volume:	<u>1.57</u> gal.
Depth to water (final)	<u>18.02</u> ft.	Pump setting intake:	<u>27</u> ft.

[illegible]

Total volume of water removed: <u>20 gal</u>	
Physical appearance at start:	Physical appearance at stop:
Color <u>Milky white</u>	Color <u>Clear</u>
Odor <u>None</u>	Odor <u>None</u>
Sheen/Free Product <u>None</u>	Sheen/Free Product <u>None</u>

Page 1 of 1

APPENDIX B - WELL DEVELOPMENT AND GROUNDWATER SAMPLING LOGS

WELL DEVELOPMENT LOG					
Date	6/20/18	Field Personnel	PRS	Weather	
Site Name	Pine Ave	Contractor/Driller	Nothnagle	Well #	MW-07
Site Location	Niagara Falls, NY	Evacuation Method	Waterra	Date Installed:	6/12/18

Depth to bottom (initial)	<u>25.99</u> ft.	Measurements taken from:	<u>TOIC</u>
Depth to bottom (final)	<u>25.99</u> ft.	Well Diameter:	<u>2</u> in.
Depth to water (initial)	<u>17.47</u> ft.	Casing volume:	<u>1.39</u> gal.
Depth to water (final)	<u>17.85</u> ft.	Pump setting intake:	<u>25</u> ft.

[illegible]

Total volume of water removed: <u>20 gal</u> Physical appearance at start: Color <u>Milky white</u> Odor <u>None</u> Sheen/Free Product <u>None</u>	Physical appearance at stop: Color <u>Clear</u> Odor <u>None</u> Sheen/Free Product <u>None</u>
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Page 1 of 1

WELL DEVELOPMENT LOG					
Date	6/20/18	Field Personnel	PRS	Weather	
Site Name	Pine Ave	Contractor/Driller	Nothnagle	Well #	MW-08
Site Location	Niagara Falls, NY	Evacuation Method	Waterra	Date Installed:	6/13/18

Depth to bottom (initial)	<u>27.32</u> ft.	Measurements taken from:	<u>TOIC</u>
Depth to bottom (final)	<u>27.32</u> ft.	Well Diameter:	<u>2</u> in.
Depth to water (initial)	<u>17.77</u> ft.	Casing volume:	<u>1.56</u> gal.
Depth to water (final)	<u>17.90</u> ft.	Pump setting intake:	<u>26</u> ft.

[illegible]

Total volume of water removed: <u>20 gal</u> Physical appearance at start: Color <u>Light orange-tan</u> Odor <u>None</u> Sheen/Free Product <u>None</u>	Physical appearance at stop: Color <u>Clear</u> Odor <u>None</u> Sheen/Free Product <u>None</u>
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Notes	Well purged with watterra pump, stainless steel checkvalve, and HDPE tubing. Horiba U-52 malfunction, used Hach turbidimeter for single-parameter turbidity measurements.

WELL DEVELOPMENT LOG					
Date	6/20/18	Field Personnel	PRS	Weather	
Site Name	Pine Ave	Contractor/Driller	Nothnagle	Well #	MW-09
Site Location	Niagara Falls, NY	Evacuation Method	Waterra	Date Installed:	6/14/18

Depth to bottom (initial)	<u>27.54</u> ft.	Measurements taken from:	<u>TOIC</u>
Depth to bottom (final)	<u>27.54</u> ft.	Well Diameter:	<u>2</u> in.
Depth to water (initial)	<u>17.98</u> ft.	Casing volume:	<u>1.57</u> gal.
Depth to water (final)	<u>18.02</u> ft.	Pump setting intake:	<u>27</u> ft.

[illegible]

Total volume of water removed:		<u>20 gal</u>	
Physical appearance at start:		Physical appearance at stop:	
Color	<u>Milky white</u>	Color	<u>Clear</u>
Odor	<u>None</u>	Odor	<u>None</u>
Sheen/Free Product	<u>None</u>	Sheen/Free Product	<u>None</u>

Page 1 of 1

Low Flow Ground Water Sampling Log

Date	<u>7/12/2018</u>	Personnel	<u>PRS & MC</u>	Weather	<u>80's Sunny</u>
Site Name	<u>Pine Ave</u>	Evacuation Method	<u>Peri Pump</u>	Well #	<u>MW-07</u>
Site Location	<u>Niagara Falls, Ny</u>	Sampling Method	<u>Low-Flow</u>	Project #	<u>448433.03000</u>

Well information:

Depth of Well	<u>25.99</u> ft.	*Measurements taken from: <table border="1" style="display: inline-table; vertical-align: top;"> <tr><td style="text-align: center;">X</td></tr> <tr><td> </td></tr> <tr><td> </td></tr> </table>	X			Top of Well Casing
X						
Depth to Water	<u>17.92</u> ft.	Top of Protective Casing				
H _{wc}	<u>8.07</u> ft.	(Other, Specify)				
Depth to Intake	<u>24.5</u> ft.					

Start Purge Time: 08:25

		10%	0.1	3%	10 mV	10%	10%	100 - 500 mL/min
Elapsed Time (min)	Depth to Water (ft)	Temperature (celsius)	pH	Conductivity (ms/cm)	Oxidation Reduction Potential	Dissolved Oxygen (mg/L)	Turbidity (NTU)	Flow Rate (mL/min)
0	18.03	17.08	5.73	2.15	144	7.85	50.4	450
5	18.03	15.18	6.58	2.10	35	6.23	39.9	400
10	18.03	15.07	6.70	2.08	6	5.65	36.7	400
15	18.03	15.39	6.78	2.04	-12	4.94	22.6	400
20	18.03	15.30	6.81	2.04	-17	4.75	18.1	400
25	18.03	15.35	6.84	2.04	-23	4.47	12.3	400
30	18.03	15.32	6.87	2.03	-26	4.13	10.3	400
35	18.04	15.49	6.88	2.02	-28	3.75	11.5	400
40	18.04	15.39	6.88	2.03	-30	3.38	10.1	400
45	18.04	15.18	6.89	2.01	-32	3.07	9.1	400
50	18.04	15.54	6.89	2.00	-32	2.60	7.6	450
55	18.04	15.58	6.90	2.00	-34	2.34	6.7	450
60	18.04	15.61	6.92	2.00	-36	2.09	9.5	450
65	18.04	15.41	6.98	2.01	-37	1.82	8.1	450
70	18.04	15.11	6.93	2.03	-38	1.67	5.8	450
75	18.04	14.56	6.94	2.05	-39	1.46	5.6	450
80	18.04	13.51	6.95	2.11	-40	1.27	0.0	450

End Purge Time: 09:45

Water Sample PINE AVE - 006 - 01

Time Collected: 9:15 Total volume of purged water removed: 12 (gallons)

Physical appearance at start: Physical appearance at start:

Color <u>Brownish</u>	Color <u>Clear</u>
Odor <u>None</u>	Odor <u>None</u>
Sheen/Free Product <u>None</u>	Sheen/Free Product <u>None</u>

Low Flow Ground Water Sampling Log

Date	7/12/2018	Personnel	PRS & MC	Weather	80's Sunny
Site Name	Pine Ave	Evacuation Method	Peri Pump	Well #	MW-08
Site Location	Niagara Falls, Ny	Sampling Method	Low-Flow	Project #	448433.03000

Well information:

Depth of Well	27.32 ft.
Depth to Water	18.17 ft.
H _{wc}	9.15 ft.
Depth to Intake	26.32 ft.

*Measurements taken from:

Top of Well Casing
Top of Protective Casing
(Other, Specify)

Start Purge Time: 10:15

[illegible]

End Purge Time: 11:15

Water Sample PINE AVE - 006 - 04 (FD: PINE AVE - 006 -05)

Time Collected: 11:15 FD@ 00:00

Total volume of purged water removed: 10 (gallons)

Physical appearance at start:

Physical appearance at start:

Color Cloudy

Color Clear

Odor Slight

Odor Slight

Sheen/Free Product Slight

Sheen/Free Product None

Low Flow Ground Water Sampling Log

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360	361	362	363	364	365	366	367	368	369	370	371	372	373	374	375	376	377	378	379	380	381	382	383	384	385	386	387	388	389	390	391	392	393	394	395	396	397	398	399	400	401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	417	418	419	420	421	422	423	424	425	426	427	428	429	430	431	432	433	434	435	436	437	438	439	440	441	442	443	444	445	446	447	448	449	450	451	452	453	454	455	456	457	458	459	460	461	462	463	464	465	466
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*Measurements taken from:

X	Top of Well Casing
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Top of Protective Casing

(Other, Specify)

[illegible]

[illegible]

Total volume of purged water removed: 3.5 (gallons)

Physical appearance at start:

Color Clear

Odor Slight

Sheen/Free Product None

APPENDIX D - WASTE MANIFESTS

SHIPPING DOCUMENT		1. Generator ID Number N Y C E S Q G	2. Page 1 of 1	3. Emergency Response Phone (877) 818-0087	4. Shipping Document Tracking Number ZZ 00345877		
5. Generator's Name and Mailing Address NYSDEC - PINE AVENUE SITE 2528 PINE AVE NIAGARA FALLS NY 14301 315 451-9560				Generator's Site Address (if different than mailing address) SAME			
6. Transporter 1 Company Name VEOLIA ES TECHNICAL SOLUTIONS				U.S. EPA ID Number N J D 0 8 0 6 3 1 3 6 9			
7. Transporter 2 Company Name FREEHOLD CARTAGE INC				U.S. EPA ID Number N J D 0 5 4 1 2 6 1 6 4			
8. Designated Facility Name and Site Address VEOLIA ES TECHNICAL SOLUTIONS 4301 INFIRMARY ROAD WEST CARROLLTON, OH 45449 937 859-6101				U.S. EPA ID Number O H D 0 9 3 9 4 5 2 9 3			
Facility's Phone:							
GENERATOR	9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers		11. Total Quantity	12. Unit Wt./Vol.	13. Codes
			No.	Type			
		1. NON HAZARDOUS AND DOT NON REGULATED LIQUID, (NON HAZ WELL WATER)	3	DM	1000	P	NONE
		2. NON REGULATED MATERIAL, (NON HAZ PPE/SOIL)	1	DM	75	P	NONE
		3. NON REGULATED MATERIAL, (NON REG SOIL)	3	DM	1600	P	NONE
	4.						
14. Special Handling Instructions and Additional Information ER Service Contracted by VESTS - **VEOLIA PERMIT# NI-410** NEED CERT OF DISPOSAL** - 1) W:567378 A:SRRLNEUTRAL-NH 2) W:567383 A:SRRLPSOLID-NH 3) W:567381 A:SRRLPSOLID-NH							
15. GENERATOR S/OFFEROR S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.							
Generator's/Offor's Printed/Typed Name NYSDEC DAN CHANDERIKAS				Signature 		Month Day Year 0 6 1 7 1 4	
TRANSPORTER INT'L	16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit: _____ Date leaving U.S.: _____						
	17. Transporter Acknowledgment of Receipt of Shipment						
	Transporter 1 Printed/Typed Name WARREN SAVAGE				Signature 		Month Day Year 0 6 1 7 1 4
Transporter 2 Printed/Typed Name				Signature		Month Day Year	
DESIGNATED FACILITY	18. Discrepancy						
	18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection						
	Shipping Document Tracking Number: _____						
	18b. Alternate Facility (or Generator)				U.S. EPA ID Number		
	Facility's Phone:						
18c. Signature of Alternate Facility (or Generator)						Month Day Year	
19. Report Management Method Codes (i.e., codes for treatment, disposal, and recycling systems)							
1.		2.		3.		4.	
20. Designated Facility Owner or Operator: Certification of receipt of shipment except as noted in Item 18a							
Printed/Typed Name				Signature		Month Day Year	

GENERATOR / SHIPPER'S INITIAL COPY

PACKING SUMMARY

Generator Number: 808996
NYSDEC - PINE AVENUE SITE
2526 PINE AVE
NIAGARA FALLS, NY 14301
Attn: SARA WEISHAUP
EPA ID: NYCESQG

Manifest Number: ZZ00345879
Field System ID: YG
Work Order Number: 2027682000
Date Shipped: 06/17/2014

Container#: YG-2027682000-001		Waste Area:		Manifest Page/Line: 01 / 1	
WIP: 567378		Disposal Code: SRRNEUTRAL-NH		PHY State: L	
Date Accumulated: 06/17/2014				Gen Drum ID:	
Shipping Name: NON RCRA AND DOT NON REGULATED LIQUID, (NON HAZ WELL WATER)					
No. of Commons: 03		Outer Container: 551A2-DM		Inner Container:	
Primary Waste Codes: NONE, T		PCB Serial #:		OOS Date: / /	
Total Crns Wt: 12000		SIC: 9999		Source: G09	
		Form: W219		System: H141	
				Cubic Ft.: 7.50	
Individual Common Weights: 4000, 4000, 4000 (POUNDS)					
Units	Container Size	Net Weight	Chemical Name	EPA/State Codes	
1	55 GAL		WELL WATER [100%]	NONE, T	

Container#: YG-2027682000-003		Waste Area:		Manifest Page/Line: 01 / 2	
WIP: 567383		Disposal Code: SRRLSOLID-NH		PHY State: S	
Date Accumulated: 06/17/2014				Gen Drum ID:	
Shipping Name: NON REGULATED MATERIAL, (NON HAZ PPE/SOIL)					
No. of Commons: 01		Outer Container: 551A2-DM		Inner Container:	
Primary Waste Codes: NONE, L		PCB Serial #:		OOS Date: / /	
Total Crns Wt: 4005		SIC: 9999		Source: G49	
		Form: W301		System: H141	
				Cubic Ft.: 7.50	
Individual Common Weights: 1 @ 4005 (POUNDS)					
Units	Container Size	Net Weight	Chemical Name	EPA/State Codes	
1	55 GAL		SOIL, GRAVEL, LIGHT SILT [100%]	NONE, L	

Container#: YG-2027682000-002		Waste Area:		Manifest Page/Line: 01 / 3	
WIP: 567381		Disposal Code: SRRLSOLID-NH		PHY State: S	
Date Accumulated: 06/17/2014				Gen Drum ID:	
Shipping Name: NON REGULATED MATERIAL, (NON REG SOIL)					
No. of Commons: 03		Outer Container: 551A2-DM		Inner Container:	
Primary Waste Codes: NONE, L		PCB Serial #:		OOS Date: / /	
Total Crns Wt: 12000		SIC: 9999		Source: G49	
		Form: W301		System: H141	
				Cubic Ft.: 7.50	
Individual Common Weights: 4000, 4000, 4000 (POUNDS)					
Units	Container Size	Net Weight	Chemical Name	EPA/State Codes	
1	55 GAL		SOIL, GRAVEL, LIGHT SILT [100%]	NONE, L	

Manifest Number: ZZ00345879		Work Order Number: 2027682000		Page 1 of 1	
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Activity Report

JOB NO: 2027682000
 BILL DOC NO YG40614532
 GENERATOR NO 608996

WO NO: 2027682000
 EPA ID: NYCESQG

BILL TO: PARSONS
 180 LAWRENCE BELL DRIVE
 SUITE 104
 WILLIAMSVILLE, NY 14221
 (716) 633-7074

JOB SITE: NYSDEC - PINE AVENUE SITE
 2526 PINE AVE
 NIAGARA FALLS, NY 14301
 (315) 451-9560

CONTACT: GEORGE HERMANC

CONTACT: SARA WEISHAAPT

MANIFEST NUMBER(S):

ZZ00345877

CUSTOMER P.O. NUMBER	PROJECT NUMBER	SHIP DATE	TERR.			
		06/17/2014	NY2			
DESCRIPTION	# CONT.	CONT./CODE	QTY	UOM	PG/LN	WASTE AREA
Manifest # ZZ00345879 VMP 567378 / Approval SRRNEUTRAL-NH NON HAZ WELL WATER	3	551A2-DM	1000	P	1 / 1	
Manifest # ZZ00345879 VMP 567381 / Approval SRRLFSOLID-NH NON REG SOIL	3	551A2-DM	1600	P	1 / 3	
Manifest # ZZ00345879 VMP 567383 / Approval SRRLFSOLID-NH NON HAZ PPE/SOIL	1	551A2-DM	75	P	1 / 2	
06/17/2014 Manpwr. - MATERIAL PICK-UP CHARGE		989	1@1	EACH		
06/17/2014 Misc. - STATE REGULATORY FEES		4419	1	EACH		
06/17/2014 Misc. - ENERGY & SECURITY SURCHARGE		3129	17	PERCNT		

Total Hours: 0

Veolia Environmental Solutions is permitted for and has capacity to accept waste listed above in container quantities.

1 of 2

Activity Report

JOB NO: 2027682000
BILL DOC NO YG40614532
GENERATOR NO 608996

WO NO: 2027682000
EPA ID: NYCESQG

BILL TO: PARSONS
180 LAWRENCE BELL DRIVE
SUITE 104
WILLIAMSVILLE, NY 14221
(716) 633-7074

JOB SITE: NYSDEC - PINE AVENUE SITE
2526 PINE AVE
NIAGARA FALLS, NY 14301
(315) 451-9560

CONTACT: GEORGE HERMANCE

CONTACT: SARA WEISHAUP

MANIFEST NUMBER(S):

2200345877

CUSTOMER P.O. NUMBER	PROJECT NUMBER	SHIP DATE	TERR.
		06/17/2014	NY2

Comments:

Signature:

[Handwritten Signature]

Print Name:

AGENT OF NYSDEC DANIEL KROGERMAN

Veolia Environmental Solutions is permitted for and has capacity to accept waste listed above in container quantities.

2 of 2

NON-HAZARDOUS WASTE MANIFEST

Print or type (Form designed for use on elite (12 pitch) typewriter)

NON-HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. N/A		Manifest Document No. 23456		2. Page 1 of	
3. Generator's Name and Mailing Address NYSDEC Central Office 2526 Pine Ave., Niagara Falls, NY 14301				Same			
4. Generator's Phone () do 315-451-9560							
5. Transporter 1 Company Name NRC East Environmental Svcs, Inc.		6. US EPA ID Number MAC400098399		A. State Transporter's ID		B. Transporter 1 Phone 716-525-1982	
7. Transporter 2 Company Name		8. US EPA ID Number		C. State Transporter's ID		D. Transporter 2 Phone	
9. Designated Facility Name and Site Address Veolia ES Technical Solutions, LLC 1 Eden Lane Flanders, NJ 07836		10. US EPA ID Number NJD080536595		E. State Facility's ID		F. Facility's Phone 973-347-7111	
11. WASTE DESCRIPTION				Containers		13. Total Quantity	
				No. Type		14. Unit Wt./Vol.	
a. NON DOT Regulated Solids,NOS(Soil)				9 DM		4500 Est P	
b. NON DOT Regulated Liquids,NOS(Decon Water)				6 DM		275 Est G	
c.							
d.							
G. Additional Descriptions for Materials Listed Above				H. Handling Codes for Wastes Listed Above			
a. # SRRLFSOLID-NH				a.			
c. Job # 130264				c.			
b. # SRRLFLIQ-NH				b.			
d. PO # 130264-01				d.			
15. Special Handling Instructions and Additional Information In Case of Emergency call 1-800-899-4672.							
16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.							
Printed/Typed Name Robert Princh-Harsons Agent/ AS AGENT FOR NYSDEC				Signature <i>[Signature]</i> as agent for NYSDEC		Date Month Day Year 9/21/18	
17. Transporter 1 Acknowledgement of Receipt of Materials				Signature <i>[Signature]</i>		Date Month Day Year 9/21/18	
Printed/Typed Name Gregory Joseph II				Signature		Date Month Day Year 9/21/18	
18. Transporter 2 Acknowledgement of Receipt of Materials				Signature		Date Month Day Year	
Printed/Typed Name				Signature		Date Month Day Year	
19. Discrepancy Indication Space							
20. Facility Owner or Operator: Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.				Signature		Date Month Day Year	
Printed/Typed Name				Signature		Date Month Day Year	

GENERATOR

NON-HAZARDOUS WASTE

TRANSPORTER

FACILITY

Please print or type.

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number NYCEBQO	2. Page 1 of 1	3. Emergency Response Phone (877) 318-0087	4. Manifest Tracking Number 001563242 VES		
5. Generator's Name and Mailing Address NYSDEC CENTRAL OFFICE 170 MICHIGAN AVENUE BUFFALO, NY 14203			Generator's Site Address (if different than mailing address) 2526 FINE AVENUE NIAGARA FALLS, NY 14301				
Generator's Phone: (877) 318-0087							
6. Transporter 1 Company Name VEOLIA ES TECHNICAL SOLUTIONS			U.S. EPA ID Number N J D 0 8 0 6 3 1 3 6 9				
7. Transporter 2 Company Name FREIHOOLD CARTAGE INC			U.S. EPA ID Number N J D 0 3 4 1 2 6 1 6 4				
8. Designated Facility Name and Site Address IS ECOLOGY WAYNE DISPOSAL 40350 N L 94 SERVICE DRIVE BELLVILLE, MO 63111			U.S. EPA ID Number M I D 0 4 8 0 9 0 6 3 3				
Facility's Phone: 860 392-5489							
GENERATOR	9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
			No.	Type			
	X	1. HAZARDOUS WASTE, SOLID, NON-FLAMMABLE, CORROSIVE, (GRAVEL, DIRT), 9, III	5	DM	3000	P	P001 1 D030
		2.					
		3.					
	4.						
14. Special Handling Instructions and Additional Information 171 W 617422 A 1190030WDE							
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.							
Generator's/Offor's Printed/Typed Name K Magon (10112)			Signature xw g c AS agent for NYSDEC			Month Day Year 0 9 1 9 1 9	
INT'L	16. International Shipments ☐ Import to U.S. ☐ Export from U.S.		Port of entry/exit: _____ Date leaving U.S.: _____				
	Transporter signature (for exports only): _____						
TRANSPORTER	17. Transporter Acknowledgment of Receipt of Materials						
	Transporter 1 Printed/Typed Name THOMAS GILBERT			Signature [Signature]			Month Day Year 0 9 1 9 1 9
	Transporter 2 Printed/Typed Name			Signature			Month Day Year
DESIGNATED FACILITY	18. Discrepancy						
	18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection						
	Manifest Reference Number: _____						
	18b. Alternate Facility (or Generator) _____ U.S. EPA ID Number _____						
	Facility's Phone: _____						
	18c. Signature of Alternate Facility (or Generator) _____ Month Day Year _____						
	19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)						
	1.	2.	3.	4.			
	20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a						
	Printed/Typed Name			Signature			Month Day Year

SHIPPING DOCUMENT		1. Generator ID Number NYCESQG	2. Page 1 of 1	3. Emergency Response Phone (877) 818-0087	4. Shipping Document Tracking Number ZZ 00451533		
5. Generator's Name and Mailing Address NYSEDEC CENTRAL OFFICE 270 MICHIGAN AVENUE BUFFALO, NY 14203				Generator's Site Address (if different than mailing address) 2526 PINE AVENUE NIAGARA FALLS, NY 14301			
Generator's Phone: 716 851-7220							
6. Transporter 1 Company Name VEOLIA ES TECHNICAL SOLUTIONS				U.S. EPA ID Number N Y 1 0 8 0 6 3 1 5 6 9			
7. Transporter 2 Company Name FURNACE CARTAGE INC				U.S. EPA ID Number N Y 1 0 8 0 6 3 1 5 6 9			
8. Designated Facility Name and Site Address VEOLIA ES TECHNICAL SOLUTIONS, LLC 401 INFIRMARY ROAD WEST CARROLLTON, OH 45449				U.S. EPA ID Number OH D 0 9 3 9 4 5 2 9 3			
Facility's Phone: 937 859-6101							
GENERATOR	9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers		11. Total Quantity	12. Unit Wt./Vol.	13. Codes
			No.	Type			
		1. HAZARDOUS WASTE, LIQUID, CORROSIVE, 3012	2	DM	1000	P	1000
		2. HAZARDOUS WASTE, LIQUID, CORROSIVE, 3012	2	DM	1000	P	1000
		3. HAZARDOUS WASTE, LIQUID, CORROSIVE, 3012					
	4. HAZARDOUS WASTE, LIQUID, CORROSIVE, 3012						
14. Special Handling Instructions and Additional Information See Generator's Manifest for additional information. Contact information for generator's agent: 617542 A. SRRLEFLI@NH 2) W 617420 A. SRRLEFLI@NH							
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.							
Generator's/Offeror's Printed/Typed Name Megan Clark				Signature <i>[Signature]</i>		Month Day Year 0 0 1 9 1 9	
TRANSPORTER INT'L	16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit: _____ Date leaving U.S.: _____						
	17. Transporter Acknowledgment of Receipt of Shipment						
TRANSPORTER	Transporter 1 Printed/Typed Name THOMAS GILBERT				Signature <i>[Signature]</i>		Month Day Year 0 0 1 9 1 9
	Transporter 2 Printed/Typed Name				Signature		Month Day Year
DESIGNATED FACILITY	18. Discrepancy						
	18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection						
	Shipping Document Tracking Number: _____						
	18b. Alternate Facility (or Generator)				U.S. EPA ID Number		
	Facility's Phone: _____						
	18c. Signature of Alternate Facility (or Generator)				Month Day Year		
19. Report Management Method Codes (i.e., codes for treatment, disposal, and recycling systems)							
	1. _____		2. _____		3. _____		4. _____
20. Designated Facility Owner or Operator: Certification of receipt of shipment except as noted in Item 18a							
Printed/Typed Name				Signature		Month Day Year	

APPENDIX E - DATA USABILITY SUMMARY REPORT

DATA USABILITY SUMMARY REPORT

2014 -2019 TIME 1-HOUR CLEANERS REMEDIAL INVESTIGATION

NYSDEC SITE # 932158

WORK ASSIGNMENT # D01 3-13

Prepared For:



**Department of
Environmental
Conservation**

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

JANUARY 2022

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ATTACHMENT A – VALIDATED LABORATORY DATA

ATTACHMENT A-1 VALIDATED LABORATORY DATA FOR AIR SAMPLES

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ATTACHMENT A-3 VALIDATED LABORATORY DATA FOR SURFACE WATER
AND GROUNDWATER SAMPLES

SECTION 1 DATA USABILITY SUMMARY

Air, soil, surface water, and groundwater samples were collected from the Pine Avenue site on March 26, 2014 through June 25, 2019. 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, and
- USEPA Region II Standard Operating Procedures (SOPs) for organic and inorganic data review.

The analytical laboratories for this project were Contest Analytical Laboratory (Contest) and SGS – Accutest (Accutest). These laboratories are 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 11-73 days for the project samples. The data packages received from the laboratories 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 laboratories within one to six days of sampling. All samples were received intact and in good condition at the laboratories.

1.3 Laboratory Analytical Methods

The air and surface water samples that were collected from the site were analyzed for volatile organic compounds (VOCs). The soil samples that were collected from the site were analyzed for VOCs, semivolatile organic compounds (SVOCs), pesticides, polychlorinated biphenyls (PCBs), herbicides, metals, and cyanide. The groundwater samples that were collected from the site were analyzed for VOCs, SVOCs, pesticides, PCBs, herbicides, per- and poly-fluorinated alkyl substances (PFAS), total and dissolved metals, and cyanide. Summaries of issues concerning these laboratory analyses are presented in Subsections 1.3.1 through 1.3.5. 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 TO-15 (Air) or USEPA SW-846 8260C analytical method. Certain reported results for these samples were qualified as estimated based upon surrogate recoveries, laboratory control sample (LCS) recoveries, instrument calibrations, internal standard responses, and field duplicate precision; and qualified as not detected based upon blank contamination. Certain reported results for these samples were considered unusable and qualified "R" based upon instrument calibrations and internal standard responses. The reported VOC analytical results were 98.4% to 100% complete (i.e., usable) for the project data presented by the laboratories. PARCCS requirements were met.

1.3.2 Semivolatile Organic Analysis

The soil and groundwater samples were analyzed for SVOCs using the USEPA SW-846 8270D analytical method. Certain reported results for these samples were qualified as estimated based upon LCS recoveries, instrument calibrations, internal standard responses, and field duplicate precision; and qualified as not detected based upon blank contamination. Certain reported results for these samples were considered unusable and qualified "R" based upon LCS recoveries, instrument calibrations, and internal standard responses. The reported SVOC analytical results were considered 98.7% to 100% complete (i.e., usable) for the project data presented by the laboratories. PARCCS requirements were met.

1.3.3 Pesticide, PCB, and Herbicide Organic Analysis

The soil and groundwater 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 matrix spike/matrix spike duplicate (MS/MSD) recoveries, instrument calibrations, sample result identification, and field duplicate precision; and qualified as not detected based upon blank contamination. The reported pesticide, PCB, and herbicide analytical results were considered 100% complete (i.e., usable) for the project data presented by the laboratories. PARCCS requirements were met.

1.3.4 PFAS Organic Analysis

The groundwater samples were analyzed for PFAS using the modified USEPA 537.1 analytical method. The reported results for these samples did not require qualification resulting from data validation. The reported PFAS analytical results were considered 100% complete (i.e., usable) for the project data presented by the laboratories. PARCCS requirements were met.

1.3.5 Inorganic Analysis

The soil and groundwater samples were analyzed for metals and cyanide using the USEPA SW-846 6010C/7471B and USEPA SW-846 9014 (soil) or USEPA 335.4 (groundwater) analytical methods, respectively. Certain reported results for these samples were qualified as estimated based upon LCS recoveries, MS/MSD recoveries, laboratory duplicate precision, serial dilutions, and field duplicate precision. The reported inorganic analytical results were considered 100% complete (i.e., usable) for the project data presented by the laboratories. PARCCS requirements were met.

SECTION 2 DATA VALIDATION REPORT

2.1 Air Samples

Data review has been completed for data packages containing air samples collected from the site. Analytical results from these samples were contained within sample delivery groups (SDGs) 14C0931, 15D0203, 15G1146, 15I0584, 16D0113, 16H1167, 16K1135, 16K1185, 17C0975, JC70384, and JC79523. All of these samples were properly preserved, shipped under a COC record, and received intact by the analytical laboratory. The validated laboratory data are presented in Attachment A-1.

Data validation was performed for all samples in accordance with the most current editions of the USEPA Region II SOPs for organic data review. 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
- Laboratory control sample (LCS) recoveries
- Laboratory method blank and 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 LCS recoveries, blank contamination, continuing calibrations, internal standard responses, and field duplicate precision as discussed below.

LCS Recoveries

All LCS recoveries were considered acceptable and within the 70-130%R QC limit with the exception of the LCS recoveries for hexachlorobutadiene (133%R, 134%R) and isopropanol (144%R) associated with samples in SDG 14C0931; benzyl chloride (168%R), heptane (144%R), hexane (136%R), 2-hexanone (166%R), 1,1,2,2-tetrachloroethane (131%R), 1,2,4-trimethylbenzene (137%R), 1,3,5-trimethylbenzene (136%R), o-xylene (135%R), 4-methyl-2-pentanone (133%R), and naphthalene (132%R) associated with samples in SDG 15D0203; bromomethane (137%R) associated with samples in SDG 15G1146; benzyl chloride (68.6%R) and hexane (60%R) associated with samples in SDG 15I0584; bromoform (138%R), tert-butyl alcohol (140%R), ethanol (148%R), ethyl acetate (133%R), and propene (132%R) associated with samples in SDG 16D0113; hexachlorobutadiene (135%R), 2-hexanone (65.3%R), naphthalene (59%R), propene (151%R), and vinyl acetate (68.5%R) associated with sample 2865E-OA-081816-03; chloromethane (136%R), hexachlorobutadiene (147%R), 2-hexanone (60.9%R), naphthalene (55.6%R), propene (164%R), and vinyl acetate (64.9%R) associated with samples in SDG 16H1167 except 2865-OA-081816-03; chloromethane (152%R) and propene (169%R) associated with samples in SDGs 16K1135 and 16K1185; and bromoform (131%R, 135%R, 136%R,

138%R) and benzyl chloride (136%R, 137%R, 138%R, 147%R, 148%R) associated with samples in SDGs JC70384 and JC79523. Therefore, 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. 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.

Blank Contamination

The laboratory method blanks associated with samples in SDG 14C0931 contained methylene chloride and propene below the reporting limits at concentrations of 0.04 and 0.077 ppbv, respectively; the laboratory method blank associated with samples in SDG 15D0203 contained hexane at a concentration of 0.32 ppbv; the laboratory method blank associated with samples in SDG 15G1146 contained acetone, hexane, and methylene chloride below the reporting limits at concentrations of 0.57, 0.16, and 0.087 ppbv, respectively; the laboratory method blank associated with samples in SDG 15I0584 contained acetone below the reporting limit at a concentration of 0.99 ppbv; the laboratory method blank associated with sample 2865E-OA-081816-03 contained tetrachloroethene and 1,1,2-trichloro-1,2,2-trifluoroethane below the reporting limits at concentrations of 0.02 and 0.014 ppbv, respectively; the laboratory method blank associated with samples in SDGs 16K1135 and 16K1185 contained acetone, benzene, methylene chloride, propene, and toluene below the reporting limits at concentrations of 0.89, 0.025, 0.15, 0.17, and 0.019 ppbv, respectively; and the laboratory method blank associated with samples in SDG 17C0975 contained 2-butanone at a concentration of 0.027 ppbv. 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 and maximum percent differences (%Ds) within $\pm 30\%$ with the exception of 4-methyl-2-pentanone (-31.7%D) and naphthalene (-30.3%D) in the continuing calibration associated with samples in SDG 14C0931; benzyl chloride (46.3%D), bromomethane (-32.6%D), heptane (41.4%D), hexane (30.4%D), vinyl acetate (-32.5%D), and dichlorodifluoromethane (-36.2%D) in the continuing calibration associated with samples in SDG 15D0203; bromoform (52.5%D), bromomethane (48.5%D), chloroethane (35.5%D), 1,2-dichloro-1,1,2,2-tetrafluoroethane (37.1%D), ethanol (40.3%D), ethyl acetate (35.4%D), hexachlorobutadiene (36.5%D), naphthalene (31.7%D), 1,2,4-trichlorobenzene (38.6%D), and trichlorofluoromethane (41%D) in the continuing calibration associated with samples in SDG 15G1146; benzyl chloride (-37.2%D), hexane (-42.8%D), isopropanol (-35.8%D), and methyl tert-butyl ether (-30.8%D) in the continuing calibration associated with samples in SDG 15I0584; hexane (-38.5%D) and isopropanol (-30.9%D) in the continuing calibration associated with samples in SDG 16D0113; dichlorodifluoromethane (-49%D), 1,2-dichloropropane (-32.1%D), 1,2-dichloro-1,1,2,2-tetrafluoroethane (-31.1%D), 2-hexanone (-43%D), naphthalene (-40.6%D), propene (33.9%D), styrene (-36.7%D), and vinyl acetate (-35.2%D) in the continuing calibration associated with sample 2865E-OA-081816-03; dichlorodifluoromethane (-34.1%D), 1,2-dichloropropane (-32.8%D), hexachlorobutadiene (30.7%D), 2-hexanone (-44.3%D), naphthalene (-41.1%D), propene (50.5%D), styrene (-36%D), and vinyl acetate (-34%D) in the continuing calibration associated with samples in SDG 16H1167 except 2865E-OA-081816-03; 1,3-butadiene (32.4%D), chloromethane (52.8%D), and propene (65.5%D) in the continuing calibration associated with samples in SDGs 16K1135 and 16K1185; bromoform (-34.9%D, -37.3%D) and benzyl chloride (-35.1%D, -33.9%D) in the continuing calibrations associated with samples in SDG JC70384; and benzyl chloride (-42.1%D) in the continuing calibration associated with samples in SDG JC79523. Therefore, results for these compounds were considered estimated with positive results qualified “J” and nondetected results qualified “UJ” for the affected samples.

It was noted that m,p-xylene and o-xylene exceeded instrument calibration ranges in sample PA-SV06-072015; ethanol exceeded the instrument calibration range in samples 2532-IA-120818-01, -02, -03, and -04; and

isopropyl alcohol exceeded the instrument calibration range in samples 2532-IA-120818-03 and -04. Therefore, results for these compounds were considered estimated and qualified “J” for the affected samples.

Internal Standard Responses

All internal standard responses were considered acceptable and within QC limits for the project samples with the exception of the low internal standard response for 1,4-difluorobenzene (QC limit 60-140%R) in sample 2865E-FF-033115 (34%R). Therefore, positive results associated with this IS were considered estimated, possibly biased high, and qualified “J+” while nondetected results associated with this IS were considered unusable and qualified “R” for the affected sample.

Field Duplicate Precision

All field duplicate precision results were considered acceptable with the exception of the precision results for ethyl acetate (99%RPD) associated with sample 2865E-IA-033115 and its field duplicate 2865E-IAD-033115; tert-butyl alcohol (133%RPD) associated with sample 2865E-IA-091115-02 and its field duplicate 2865E-IA-091115-DUP; cyclohexane (0.11 ppbv and nondetect), 2-hexanone (nondetect and 0.16 ppbv), and propene (nondetect and 2.3 ppbv) associated with sample 2859E-IA-032117-02 and its field duplicate 2859E-IA-032117-DUP; ethanol (124%RPD) associated with sample PA-SV12-071918 and its field duplicate PA-DUP-071918; and many precision results associated with sample 2865E-IA-111716-04 and its field duplicate 2865E-IA-111716-DUP. Therefore, results for these compounds were considered estimated with positive results qualified “J” and nondetected results qualified “UJ” for the affected parent samples and field duplicates.

Usability

All volatile air sample results were considered usable following data validation with the exception of certain nondetected results based upon poor internal standard responses.

Summary

The quality assurance objectives for measurement data included considerations for precision, accuracy, representativeness, completeness, comparability, and sensitivity. The volatile air data presented by the laboratories were 99.9% complete (i.e., usable). The validated volatile laboratory data are tabulated and presented in Attachment A-1.

2.2 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) 14D0849, 14D0923, 14D0981, 14D1023, JC67840, JC68329, JC68469, JC69463, JC69877, and JC90608. All of these samples were properly preserved, shipped under a COC record, and received intact by the analytical laboratory. The validated laboratory data are presented in Attachment A-2.

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. 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 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, initial and continuing calibrations, internal standard responses, 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 high surrogate recovery for 4-bromofluorobenzene (QC limit 79-127%R) in sample PINEAVE-008-PVE-02D (128%R). Therefore, positive results were considered estimated, possibly biased high, and qualified “J+” 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 MS/MSD accuracy results for tert-butyl alcohol, chloromethane, 2-hexanone, naphthalene, 1,2,3-trichlorobenzene, 1,2,4-trichlorobenzene, sec-butylbenzene, tert-butylbenzene, trans-1,4-dichloro-2-butene, trans-1,3-dichloropropene, p-isopropyltoluene, and 1,2,4-trimethylbenzene during the spiked analyses of sample SB-07-04241401; and the MS accuracy results for acetone, tert-butyl alcohol, tetrachloroethene, and 1,2,3-trichlorobenzene during the spiked analyses of sample SS-01-042514. Validation qualification of the parent samples was not required.

LCS Recoveries

All LCS recoveries were considered acceptable and within QC limits with the exception of the low LCS recoveries for bromomethane (35.2%R; QC limit 40-130%R) and 1,2,3-trichlorobenzene (68.8%R; QC limit 70-130%R) associated with sample SB-06-04221401; and acetone (67.5%R; QC limit 70-160%R) associated with samples MW-02-042514-5-7 and MW-02-042514-15-17. Therefore, results for these compounds were considered estimated, possibly biased low, with positive results qualified “J-” and nondetected results qualified “UJ” for the affected samples.

Blank Contamination

The laboratory method blank associated with samples MW-02-042514-5-7 and MW-02-042514-15-17 contained carbon disulfide below the reporting limit at a concentration of 0.008 mg/kg. Validation qualification was not required for these samples.

Initial and Continuing Calibrations

All initial calibration compounds were compliant with minimum relative response factors (RRFs) of 0.05 (0.01 for poor performers) and maximum percent relative standard deviations (%RSDs) of 20% (40% for poor performers) with the exception of 2,2-dichloropropene (24.4%RSD), 1,4-dioxane (RRF=0.0014), methylene chloride (56.8%RSD), and tert-butyl alcohol (RRF=0.009) in the initial calibration associated with samples in

SDG 14D0849; bromomethane (78%RSD), n-butylbenzene (27.6%RSD), sec-butylbenzene (28.7%RSD), tert-butylbenzene (27.6%RSD), 2,2-dichloropropane (23.3%RSD), trans-1,3-dichloropropene (31.6%RSD), 1,4-dioxane (RRF=0.0007), ethylbenzene (23%RSD), isopropylbenzene (30.5%RSD), methylene chloride (81.5%RSD), n-propylbenzene (27.6%RSD), styrene (33.1%RSD), toluene (20.6%RSD), 1,2,4-trimethylbenzene (24.4%RSD), 1,3,5-trimethylbenzene (31.1%RSD), m,p-xylene (25.6%RSD), and o-xylene (31.8%RSD) in the initial calibration associated with samples in SDGs 14D0923 and 14D0981 and sample MW-06-042514; and 1,4-dioxane (RRF=0.0016) in the initial calibration associated with samples SS-01-042514, MW-02-042514-5-7, and MW-02-042514-15-17. Therefore, results for these compounds were considered estimated with positive results qualified “J” and nondetected results qualified “UJ” for the affected samples. However, nondetected results for those compounds where RRFs were noncompliant were considered unusable and qualified “R” for the affected samples.

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 $\pm 20\%$ ($\pm 40\%$ for poor performers) with the exception of 1,2-dibromo-3-chloropropane (-21%D), tert-butyl alcohol (RRF=0.007), dichlorodifluoromethane (-31.9%D), 1,2,3-trichlorobenzene (-37.2%D), and 1,2,4-trichlorobenzene (-33.8%D) in the continuing calibration associated with samples SS-03 and SB-06-04221402; 1,2,3-trichlorobenzene (-27.6%D) and 1,2,4-trichlorobenzene (-25.9%D) in the continuing calibration associated with sample SB-06-04221401; bromomethane (46.3%D) in the continuing calibration associated with samples MW-05-042314, MW-104-042314, and MW-04-04231401; cis-1,3-dichloropropene (26.5%D) and 1,4-dioxane (RRF=0.0006) in the continuing calibration associated with samples SS-102-042314, SS-02-042314, and MW-04-04231402, and samples in SDG 14D0981; tert-butyl alcohol (RRF=0.009) and 1,3,5-trichlorobenzene (27.4%D) in the continuing calibration associated with sample MW-06-042514; and carbon disulfide (24%D) in the continuing calibration associated with soil samples in SDG JC69463. Therefore, results for these compounds were considered estimated with positive results qualified “J” and nondetected results qualified “UJ” for the affected samples. However, nondetected results for those compounds where RRFs were noncompliant were considered unusable and qualified “R” for the affected samples.

Internal Standard Responses

All internal standard responses were considered acceptable and within the QC limit for the project samples with the exception of the low internal standard response for 1,4-dichlorobenzene-d4 in sample MW-04-04231401. This sample was reanalyzed yielding similar internal standard responses. Therefore, the results associated with this internal standard which were nondetects were considered unusable and qualified “R” for the affected samples.

Field Duplicate Precision

All field duplicate precision results were considered acceptable with the exception of the results for 1,1-dichloroethane, cis-1,2-dichloroethene, vinyl chloride, and 1,1-dichloroethene associated with sample MW-04-04231401 and its field duplicate MW-104-042314; ethylbenzene, cis-1,2-dichloroethene, trichloroethene, and o-xylene associated with sample SS-02-042314 and its field duplicate SS-102-042314; and acetone, 1,1-chloroethene, trans-1,2-dichloroethene, 1,2-dichloropropane, and vinyl chloride associated with sample PINEAVE-008-PVE-02 and its field duplicate PINEAVE-008-PVE-02D. Therefore, results for these compounds were considered estimated with positive results qualified “J” and nondetected results qualified “UJ” for the affected parent samples and field duplicates.

Usability

All volatile soil sample results were considered usable following data validation with the exception of certain nondetected results based upon poor calibration linearity and internal standard responses.

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 laboratories were 98.4% complete (i.e., usable). The validated volatile laboratory data are tabulated and presented in Attachment A-2.

2.2.2 Semivolatiles

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 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, initial and continuing calibrations, internal standard responses, 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 surrogate recovery for 2,4,6-tribromophenol (QC limit 30-130%R) in samples SB-07-04241402 (28%R), MW-02-042514-5-7 (161%R), and MW-02-042514-15-17 (145%R); and terphenyl-d14 (QC limit 30-130%R) in samples MW-02-042514-5-7 (154%R), MW-02-042514-15-17 (156%R), MW-06-042514 (166%R), and SS-01-042514 (141%R). Validation qualification of these samples was not required.

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 acetophenone, benzoic acid, hexachlorocyclopentadiene, 1,2,4,5-tetrachlorobenzene, aniline, and 4-chloroaniline during the spiked analyses of sample SB-07-04241401; and the MS/MSD accuracy results for aniline, benzidine, benzoic acid, bis(2-ethylhexyl)phthalate, butylbenzylphthalate, hexachlorocyclopentadiene, 4-nitrophenol, pentachloronitrobenzene, pyrene, pyridine, 1,2,4,5-tetrachlorobenzene, and 4-chloroaniline during the spiked analyses of sample SS-01-042514. Validation qualification of the parent samples was not required.

LCS Recoveries

All LCS recoveries were considered acceptable and within QC limits with the exception of the 0% LCS recovery for benzoic acid associated with samples in SDGs 14D0849, 14D0923, 14D0981, and 14D1023; the low LCS recoveries for acetophenone (26.9%R, 33.3%R; QC limit 40-140%R), benzidine (32%R; QC limit 40-140%R), 2,4-dinitrophenol (26.6%R, 25.4%R; QC limit 30-130%R), hexachlorocyclopentadiene (30.7%R; QC limit 40-140%R),

N-nitrosodimethylamine (29.9%R; QC limit 40-140%R), pentachloronitrobenzene (36.3%R, 37.7%R; QC limit 40-140%R), and 1,2,4,5-tetrachlorobenzene (28.9%R, 34.6%R; QC limit 40-140%R) associated with samples in SDG 14D0923; and the low LCS recoveries for acetophenone (30.7%R, 28.1%R; QC limit 40-140%R), N-nitrosodimethylamine (39.9%R; QC limit 40-140%R), and 1,2,4,5-tetrachlorobenzene (38.5%R, 33.9%R; QC limit 40-140%R) associated with samples in SDG 14D0981. Therefore, results for these compounds were considered estimated, possibly biased low, with positive results qualified “J-” and nondetected results qualified “UJ” for the affected samples. However, nondetected benzoic acid results were considered unusable and qualified “R” for the affected samples.

Blank Contamination

The laboratory method blanks associated with samples in SDGs 14D0849, 14D0923, 14D0981, and 14D1023 contained bis(2-ethylhexyl)phthalate below the reporting limit at concentrations of 0.12, 0.14, and 0.18 mg/kg; and the laboratory method blank associated with samples in SDG JC90608 contained di-n-butylphthalate below the reporting limit at a concentration of 6.3 µg/kg. Therefore, results for these compounds less than validation action concentrations were considered not detected and qualified “U” for the affected samples.

Initial and Continuing Calibrations

All initial calibration compounds were compliant with minimum relative response factors (RRFs) of 0.05 (0.01 for poor performers) and maximum percent relative standard deviations (%RSDs) of 20% (40% for poor performers) with the exception of benzoic acid (43.7%RSD), 2,4-dinitrophenol (40.3%RSD), N-nitrosodimethylamine (47%RSD), and pentachlorophenol (44.9%RSD) in the initial calibration associated with samples in SDGs 14D0849 and 14D0923; benzo(b)fluoranthene (21.8%RSD), 2,4-dinitrophenol (49%RSD), and pentachloronitrobenzene (RRF=0.04) in the initial calibration associated with samples in SDG 14D0981; hexachlorocyclopentadiene (39.47%RSD), 2,4-dinitrophenol (51.6%RSD), and pentachlorophenol (34.95%RSD) in the initial calibration associated with samples in SDGs JC67840, JC68329, and JC68469; and 2,4-dinitrophenol (47.5%RSD), di-n-octylphthalate (51.37%RSD), and dibenz(a,h)anthracene (26.58%RSD) in the initial calibration associated with soil samples in SDG JC69463. Therefore, results for these compounds were considered estimated with positive results qualified “J” and nondetected results qualified “UJ” for the affected samples. However, nondetected results for those compounds where RRFs were noncompliant were considered unusable and qualified “R” for the affected samples.

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 benzidine (-58.1%D) and pyrene (-25.4%D) in the continuing calibration associated with samples in SDG 14D0923; benzo(k)fluoranthene (28.6%D), pentachloronitrobenzene (42.9%D), and pentachlorophenol (21.2%D) in the continuing calibration associated with samples in SDG 14D0981; and 2-nitroaniline (-47%D) in the continuing calibration associated with soil samples in SDG JC69463. 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 responses were considered acceptable and within the QC limit for the project samples with the exception of the low internal standard response for perylene-d12 in sample SS-01-042514. Therefore, the positive results associated with this internal standard were considered estimated and qualified “J” while nondetected results associated with this internal standard were considered unusable and qualified “R” for the affected sample.

Field Duplicate Precision

All field duplicate precision results were considered acceptable with the exception of the results for bis(2-ethylhexyl)phthalate associated with sample SS-02-042314 and its field duplicate SS-102-042314. Therefore,

results for these compounds were considered estimated with positive results qualified “J” and nondetected results qualified “UJ” for the affected parent samples and field duplicates.

Usability

All semivolatile soil sample results were considered usable following data validation with the exception of certain nondetected results based upon poor LCS recoveries, instrument calibration linearity, and internal standard responses.

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 laboratories were 98.7% complete (i.e., usable). The validated semivolatile laboratory data are tabulated and presented in Attachment A-2.

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 blank contamination, continuing calibration verifications, sample result identifications, and field duplicate precision as discussed below.

Blank Contamination

The laboratory method blank associated with samples in SDG 14D0923 contained 4,4'-DDD below the reporting limit at a concentration of 0.00079 mg/kg. Therefore, results for this compound less than validation action concentrations were considered not detected and qualified “U” for the affected samples.

Continuing Calibration Verifications

All continuing calibration verifications were analyzed at the appropriate frequency with percent differences (%Ds) within $\pm 20\%$ with the exception of aldrin (23.5%D), alpha-BHC (24.8%D), delta-BHC (20.8%D), gamma-BHC (24.8%D), 4,4'-DDD (25.1%D), 4,4'-DDE (25.7%D), and dieldrin (21.8%D) in the continuing calibration associated with samples in SDG 14D0981. Therefore, results for these compounds were considered estimated with positive results qualified “J” and nondetected results qualified “UJ” for the affected samples.

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'-DDT for sample SS-03; and dieldrin for sample SS-02-042314. Therefore, the results for these compounds were considered estimated and qualified "J" for the affected samples.

Field Duplicate Precision

All field duplicate precision results were considered acceptable with the exception of the results for 4,4'-DDT, 4,4'-DDD, 4,4'-DDE, dieldrin, and PCB-1254 associated with sample SS-02-042314 and SS-102-042314. Therefore, results for these compounds were considered estimated with positive results qualified "J" and nondetected results qualified "UJ" for the affected parent sample and field duplicate.

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 Attachment A-2.

2.2.4 Inorganics

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, and preparation 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 blank contamination, MS/MSD recoveries, LCS recoveries, laboratory duplicate precision, serial dilutions, and field duplicate precision as discussed below.

Blank Contamination

The laboratory preparation blank associated with samples in SDGs 14D0849 and 14D0923 contained calcium, iron, lead, magnesium, and zinc at concentrations of 1.4, 4.6, 0.23, 7.5, and 0.32 mg/kg, respectively; the laboratory preparation blank associated with samples in SDG 14D0981 contained calcium, copper, iron, magnesium, and zinc at concentrations of 1.6, 0.48, 4, 0.8, and 0.73 mg/kg, respectively; the laboratory

preparation blank associated with samples in SDG 14D1023 contained calcium at a concentration of 1.5 mg/kg. Validation qualification of these samples was not required.

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 (33.2%R, 28.5%R) and sodium (179%R, 153%R) associated with sample SB-07-04241401; zinc (131%R) associated with sample SS-01-042514; aluminum (218.4%R, 226.8%R), antimony (70.5%R), iron (129%R), potassium (150.1%R, 161.6%R), and zinc (71.4%R) associated with sample PINEAVE-001-01; antimony (53.9%R), potassium (230.6%R), and magnesium (143.7%R) associated with sample PINEAVE-003-01; and antimony (41.2%R, 39.7%R), potassium (202.9%R, 203.9%R), and cyanide (66.1%R) associated with sample PINEAVE-008-SVE-02. 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 recoveries for sodium (122%R; QC limit 85-115%R) and antimony (131%R; QC limit 85-115%R) associated with samples in SDGs 14D0981 and 14D1023. Therefore, positive results for these analytes were considered estimated, possibly biased high, and qualified "J+" for the affected samples.

Laboratory Duplicate Precision

All laboratory duplicate precision results were considered acceptable and within the 0-20%RPD QC limit with the exception of the laboratory duplicate precision for aluminum (74%RPD), barium (51.1%RPD), cadmium (42.8%RPD), cobalt (51.7%RPD), iron (38.7%RPD), nickel (39.5%RPD), sodium (38.1%RPD), and zinc (46.3%RPD) associated with sample SS-01-042514. 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 chromium (12.7%D), manganese (14.1%D), and zinc (13.5%D) associated with sample PINEAVE-001-01; and calcium (16.7%D), sodium (12.4%D), and zinc (10.6%D) associated with sample PINEAVE-003-01. Therefore, positive results for these analytes were considered estimated and qualified "J" for the affected samples.

Field Duplicate Precision

All field duplicate precision results were considered acceptable with the exception of the results for chromium, vanadium, mercury, and beryllium associated with sample SS-02-042314 and its field duplicate SS-102-042314; and lead, nickel, chromium, cobalt, copper, vanadium, zinc, aluminum, magnesium, calcium, potassium, iron, beryllium, and cadmium associated with sample MW-04-04231401 and its field duplicate MW-104-042314. Therefore, results for these analytes were considered estimated with the positive results qualified "J" and the nondetected results qualified "UJ" for the affected parent samples and field duplicates.

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

laboratories were 100% complete (i.e., usable). The validated inorganic laboratory data are tabulated and presented in Attachment A-2.

2.3 Surface Water And Groundwater Samples

Data review has been completed for data packages containing surface water and groundwater samples collected from the site. Analytical results from these samples were contained within sample delivery groups (SDGs) 15I0499, 16F1394, JC69463, and JC69877. All of these samples were properly preserved, shipped under a COC record, and received intact by the analytical laboratory. The validated laboratory data are presented in Attachment A-3.

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. This data validation and usability report is presented by analysis type.

2.3.1 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 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 LCS recoveries, blank contamination, and initial and continuing calibrations as discussed below.

LCS Recoveries

All LCS recoveries were considered acceptable and within QC limits with the exception of the LCS recoveries for acetone (206%R, 201%R; QC limit 70-160%R), bromomethane (19.4%R, 36.2%R; QC limit 40-160%R), and chloroethane (164%R, 165%R; QC limit 70-130%R) associated with samples in SDG 15I0499; and dichlorodifluoromethane (35.8%R, 36.5%R; QC limit 40-160%R associated with samples in SDG 16F1394. Therefore, 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. 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.

Blank Contamination

The QC trip blank associated with samples in SDG 15I0499 contained acetone, tert-butyl alcohol, toluene, m,p-xylene, and o-xylene at concentrations of 95, 21, 0.24, 0.37, and 0.15 µg/L, respectively. Therefore, results for

these compounds less than validation action concentrations were considered not detected and qualified “U” for the affected samples.

Initial and Continuing Calibrations

All initial calibration compounds were compliant with minimum relative response factors (RRFs) of 0.05 (0.01 for poor performers) and maximum percent relative standard deviations (%RSDs) of 20% (40% for poor performers) with the exception of bromomethane (50.5%RSD, 23.3%RSD) in the initial calibrations associated with samples in SDGs 15I0499 and 16F1394. Therefore, results for this compound which were nondetects were considered estimated and qualified “UJ” for the affected samples.

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 $\pm 20\%$ ($\pm 40\%$ for poor performers) with the exception of bromomethane (-28.5%D), dichlorodifluoromethane (-53.4%D), and naphthalene (-21.9%D) in the continuing calibration associated with samples in SDG 15I0499; bromomethane (28.3%D) in the continuing calibration associated with samples in SDG 16F1394; and bromomethane (38.6%D) in the continuing calibration associated with sample PINE AVE-005-05. Therefore, results for these compounds which were nondetects were considered estimated and qualified “UJ” for the affected samples.

Usability

All volatile surface water and 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 surface water and groundwater data presented by the laboratories were 100% complete (i.e., usable). The validated volatile laboratory data are tabulated and presented in Attachment A-3.

2.3.2 Semivolatiles

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 initial and continuing calibrations and field duplicate precision as discussed below.

Initial and Continuing Calibrations

All initial calibration compounds were compliant with minimum relative response factors (RRFs) of 0.05 (0.01 for poor performers) and maximum percent relative standard deviations (%RSDs) of 20% (40% for poor

performers) with the exception of hexachlorocyclopentadiene (39.47%RSD), 2,4-dinitrophenol (51.6%RSD), and pentachlorophenol (34.95%RSD) in the initial calibration associated with samples in SDG JC69877; and pentachlorophenol (33.69%RSD) in the initial calibration associated with sample PINE AVE-005-05. Therefore, results for these compounds were considered estimated with positive results qualified “J” and nondetected results qualified “UJ” for the affected samples.

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 $\pm 20\%$ ($\pm 40\%$ for poor performers) with the exception of pentachlorophenol (27%D), benzo(a)anthracene (-33.6%D), benzo(b)fluoranthene (-26.4%D), indeno(1,2,3-cd)pyrene (-27.4%D), dibenz(a,h)anthracene (-24.4%D), and benzo(g,h,i)perylene (-23.4%D) in the continuing calibration associated with sample PINE AVE-005-05. Therefore, results for these compounds were considered estimated with positive results qualified “J” and nondetected results qualified “UJ” for the affected samples.

Field Duplicate Precision

All field duplicate precision results were considered acceptable with the exception of the precision for 1,4-dioxane (105%RPD) associated with sample PINE AVE-006-04 and its field duplicate PINE AVE-006-05. Therefore, results for this compound were considered estimated and qualified “J” for the affected parent sample and field duplicate.

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 laboratories were 100% complete (i.e., usable). The validated semivolatile laboratory data are tabulated and presented in Attachment A-3.

2.3.3 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 LCS recoveries as discussed below.

LCS Recoveries

All LCS recoveries were considered acceptable and within QC limits with the exception of the high LCS recovery for PFTrDA (232%R; QC limit 70-139%R) associated with samples in SDG JC69877. Validation qualification of these samples was not required.

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

2.3.4 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 surrogate recoveries, MS/MSD precision and accuracy, 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 tetrachloro-meta-xylene (QC limit 19-166%R) in PCB sample PINE AVE-006-01 (171%R). Validation qualification of this sample was not required.

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 high MS/MSD accuracy results for dicamba, MCPA, and MCPP during the spiked analyses of herbicide sample PINE AVE-006-01. Validation qualification of this sample was not required.

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 endrin aldehyde (53.5%RPD) in sample PINE AVE-005-05. The result for this compound was considered estimated and qualified “J” for the affected sample.

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 laboratories were 100% complete (i.e., usable). The validated pesticide, PCB, and herbicide laboratory data are tabulated and presented in Attachment A-3.

2.3.5 Inorganics

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, and preparation 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 serial dilutions as discussed below.

Serial Dilutions

All serial dilution results were considered acceptable with percent differences (%Ds) less than 10% with the exception of the serial dilution for total zinc (12.2%D) associated with sample PINE AVE-006-01. Therefore, the positive zinc result was considered estimated and qualified “J” for the affected sample.

Usability

All inorganic 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 inorganic groundwater data presented by the laboratories were 100% complete (i.e., usable). The validated inorganics laboratory data are tabulated and presented in Attachment A-3.

ATTACHMENT A – VALIDATED LABORATORY DATA

ATTACHMENT A-1

VALIDATED LABORATORY DATA FOR AIR SAMPLES

NYSDEC-Pine Ave Site 2014 Site Investigation Validated Air Analytical Data SDG: 14C0931		Location ID: Sample ID: Lab Sample Id: Source: SDG: Matrix: Sampled: Validated:	2859E-IA 2859E-IA-032614 14C0931-04 CONTEST 14C0931 AIR 3/27/2014 7:21 5/19/2014	2859E-SS 2859E-SS-032614 14C0931-05 CONTEST 14C0931 AIR 3/27/2014 7:21 5/19/2014	286SE-IA 286SE-IA-032614 14C0931-01 CONTEST 14C0931 AIR 3/27/2014 7:02 5/19/2014	286SE-SS 286SE-SS-032614 14C0931-02 CONTEST 14C0931 AIR 3/27/2014 7:02 5/19/2014	AA AA-32614 14C0931-06 CONTEST 14C0931 AIR 3/27/2014 7:15 5/19/2014	IAD IAD-032614 14C0931-03 CONTEST 14C0931 AIR 3/27/2014 7:02 5/19/2014	FIELDQC TB-032614 14C0931-07 CONTEST 14C0931 AIR 3/27/2014 0:00 5/19/2014
CAS NO.	COMPOUND	UNITS:							
	VOLATILES								
71-55-6	1,1,1-TRICHLOROETHANE	ug/m3	0.034 U	0.098 U	0.034 U	0.29 U	0.034 U	0.034 U	0.034 U
79-34-5	1,1,2,2-TETRACHLOROETHANE	ug/m3	0.057 U	0.16 U	0.057 U	0.49 U	0.057 U	0.057 U	0.057 U
76-13-1	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/m3	0.62	0.21 U	0.6	0.64 U	0.57	0.6	0.075 U
79-00-5	1,1,2-TRICHLOROETHANE	ug/m3	0.058 U	0.17 U	0.058 U	0.5 U	0.058 U	0.058 U	0.058 U
75-34-3	1,1-DICHLOROETHANE	ug/m3	0.04 U	0.11 U	0.04 U	0.34 U	0.04 U	0.04 U	0.04 U
75-35-4	1,1-DICHLOROETHENE	ug/m3	0.034 U	0.097 U	0.034 U	0.29 U	0.034 U	0.034 U	0.034 U
120-82-1	1,2,4-TRICHLOROBENZENE	ug/m3	0.098 U	0.28 U	0.098 U	0.84 U	0.098 U	0.098 U	0.098 U
95-63-6	1,2,4-TRIMETHYLBENZENE	ug/m3	0.29	0.12 U	2.5	0.36 U	0.042 U	2.5	0.042 U
106-93-4	1,2-DIBROMOETHANE (ETHYLENE DIBROMIDE)	ug/m3	0.06 U	0.17 U	0.06 U	0.52 U	0.06 U	0.06 U	0.06 U
95-50-1	1,2-DICHLOROBENZENE	ug/m3	0.056 U	0.16 U	0.056 U	0.48 U	0.056 U	0.056 U	0.056 U
107-06-2	1,2-DICHLOROETHANE	ug/m3	0.039 U	0.11 U	0.24	0.34 U	0.039 U	0.24	0.039 U
78-87-5	1,2-DICHLOROPROPANE	ug/m3	0.056 U	0.16 U	0.056 U	0.48 U	0.056 U	0.056 U	0.056 U
76-14-2	1,2-DICHLOROTETRAFLUOROETHANE	ug/m3	0.058 U	0.17 U	0.058 U	0.5 U	0.058 U	0.058 U	0.058 U
108-67-8	1,3,5-TRIMETHYLBENZENE (MESITYLENE)	ug/m3	0.034 U	0.098 U	0.54	0.29 U	0.034 U	0.53	0.034 U
106-99-0	1,3-BUTADIENE	ug/m3	0.04 U	0.11 U	0.04 U	0.34 U	0.04 U	0.04 U	0.04 U
541-73-1	1,3-DICHLOROBENZENE	ug/m3	0.047 U	0.13 U	0.047 U	0.4 U	0.047 U	0.047 U	0.047 U
106-46-7	1,4-DICHLOROBENZENE	ug/m3	0.053 U	0.15 U	1.4	0.45 U	0.053 U	1.4	0.053 U
123-91-1	1,4-DIOXANE (P-DIOXANE)	ug/m3	0.82 U	2.3 U	0.82 U	7 U	0.82 U	0.82 U	0.82 U
591-78-6	2-HEXANONE	ug/m3	0.41	0.1 U	0.037 U	0.31 U	0.24	0.53	0.037 U
622-96-8	4-ETHYLTOLUENE	ug/m3	0.039 U	0.11 U	0.62	0.33 U	0.039 U	0.66	0.039 U
67-64-1	ACETONE	ug/m3	19	8.5 J	150	380	15	170 J	1.2 U
71-43-2	BENZENE	ug/m3	0.73	0.17 U	2.2	4.4	0.51	2.2	0.058 U
100-44-7	BENZYL CHLORIDE	ug/m3	0.035 U	0.1 U	0.035 U	0.3 U	0.035 U	0.035 U	0.035 U
75-27-4	BROMODICHLOROMETHANE	ug/m3	0.051 U	0.15 U	0.051 U	0.44 U	0.051 U	0.051 U	0.051 U
75-25-2	BROMOFORM	ug/m3	0.07 U	0.2 U	0.07 U	0.6 U	0.07 U	0.07 U	0.07 U
74-83-9	BROMOMETHANE	ug/m3	0.094 U	0.27 U	0.094 U	0.8 U	0.094 U	0.094 U	0.094 U
75-15-0	CARBON DISULFIDE	ug/m3	0.038 U	0.11 U	0.038 U	49	0.038 U	0.038 U	0.038 U
56-23-5	CARBON TETRACHLORIDE	ug/m3	0.053 U	0.15 U	0.43	0.46 U	0.45	0.45	0.053 U
108-90-7	CHLOROBENZENE	ug/m3	0.056 U	0.16 U	0.056 U	0.48 U	0.056 U	0.056 U	0.056 U
75-00-3	CHLOROETHANE	ug/m3	0.035 U	0.1 U	0.035 U	6.8	0.035 U	0.035 U	0.035 U
67-66-3	CHLOROFORM	ug/m3	0.94	0.99	0.22	0.34 U	0.04 U	0.22	0.04 U
74-87-3	CHLOROMETHANE	ug/m3	1.2	0.09 U	1.1	1.6	1.2	1.1	0.032 U
156-59-2	CIS-1,2-DICHLOROETHYLENE	ug/m3	0.053 U	0.15 U	13	6.7	0.053 U	13	0.053 U
10061-01-5	CIS-1,3-DICHLOROPROPENE	ug/m3	0.042 U	0.12 U	0.042 U	0.36 U	0.042 U	0.042 U	0.042 U
110-82-7	CYCLOHEXANE	ug/m3	0.069 U	0.2 U	0.93	91	0.069 U	0.94	0.069 U
124-48-1	DIBROMOCHLOROMETHANE	ug/m3	0.08 U	0.23 U	0.08 U	0.68 U	0.08 U	0.08 U	0.08 U
75-71-8	DICHLORODIFLUOROMETHANE	ug/m3	1.4	2	1.3	0.64 U	1.3	1.4	0.075 U
64-17-5	ETHANOL	ug/m3	78	14	310	270	48	360	1.2 U
141-78-6	ETHYL ACETATE	ug/m3	0.8	0.27 U	0.094 U	0.81 U	1	0.094 U	0.094 U
100-41-4	ETHYLBENZENE	ug/m3	0.2	0.12 U	1.7	1.9	0.042 U	1.7	0.042 U
87-68-3	HEXACHLOROBUTADIENE	ug/m3	0.14 U	0.4 U	0.14 U	1.2 U	0.14 U	0.14 U	0.14 U
67-63-0	ISOPROPANOL	ug/m3	15	5.6 J	2200 J+	670 J+	6.6	2400 J+	0.11 U
79601-23-1	M AND P XYLENES	ug/m3	0.66	1.5	5.9	7.2	0.48	6.1	0.077 U
78-93-3	METHYL ETHYL KETONE (2-BUTANONE)	ug/m3	2.9 J	1.6 J	1.2 J	5.4 J	2.1 J	2.8 J	0.077 U

NYSDEC-Pine Ave Site 2014 Site Investigation Validated Air Analytical Data SDG: 14C0931		Location ID: Sample ID: Lab Sample Id: Source: SDG: Matrix: Sampled: Validated:	2859E-IA 2859E-IA-032614 14C0931-04 CONTEST 14C0931 AIR 3/27/2014 7:21 5/19/2014	2859E-SS 2859E-SS-032614 14C0931-05 CONTEST 14C0931 AIR 3/27/2014 7:21 5/19/2014	286SE-IA 286SE-IA-032614 14C0931-01 CONTEST 14C0931 AIR 3/27/2014 7:02 5/19/2014	286SE-SS 286SE-SS-032614 14C0931-02 CONTEST 14C0931 AIR 3/27/2014 7:02 5/19/2014	AA AA-32614 14C0931-06 CONTEST 14C0931 AIR 3/27/2014 7:15 5/19/2014	IAD IAD-032614 14C0931-03 CONTEST 14C0931 AIR 3/27/2014 7:02 5/19/2014	FIELDQC TB-032614 14C0931-07 CONTEST 14C0931 AIR 3/27/2014 0:00 5/19/2014
CAS NO.	COMPOUND	UNITS:							
	VOLATILES								
108-10-1	METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	ug/m3	0.17	0.098 UJ	0.034 U	0.29 UJ	0.034 U	0.19	0.034 U
75-09-2	METHYLENE CHLORIDE	ug/m3	1.2 U	3.5 U	1.2 U	14	2.6	1.2 U	1.2 U
91-20-3	NAPHTHALENE	ug/m3	0.18	0.29 UJ	0.4	0.86 UJ	0.1 U	0.49	0.1 U
142-82-5	N-HEPTANE	ug/m3	0.2	0.13 U	1.5	72	0.047 U	1.5	0.047 U
110-54-3	N-HEXANE	ug/m3	0.49 J	0.62 U	6.7	130	1.2 J	6.9	0.22 U
95-47-6	O-XYLENE (1,2-DIMETHYLBENZENE)	ug/m3	0.25	0.13 U	2.4	2.7	0.18	2.4	0.044 U
115-07-1	PROPYLENE	ug/m3	0.18 U	0.53 U	0.18 U	1.6 U	0.18 U	0.18 U	0.18 U
100-42-5	STYRENE	ug/m3	0.029 U	0.083 U	0.029 U	0.25 U	0.029 U	0.029 U	0.029 U
75-65-0	TERT-BUTYL ALCOHOL	ug/m3	0.16 U	0.47 U	0.16 U	1.4 U	0.16 U	0.16 U	0.16 U
1634-04-4	TERT-BUTYL METHYL ETHER	ug/m3	0.039 U	0.11 U	0.039 U	0.33 U	0.039 U	0.039 U	0.039 U
127-18-4	TETRACHLOROETHYLENE(PCE)	ug/m3	130	81	640	420	1.4	700	0.068 U
109-99-9	TETRAHYDROFURAN	ug/m3	0.043 U	0.12 U	0.043 U	7.5	0.043 U	0.043 U	0.043 U
108-88-3	TOLUENE	ug/m3	5.3	2	11	18	2	11	0.041 U
156-60-5	TRANS-1,2-DICHLOROETHENE	ug/m3	0.037 U	0.1 U	0.17	0.31 U	0.037 U	0.18	0.037 U
10061-02-6	TRANS-1,3-DICHLOROPROPENE	ug/m3	0.043 U	0.12 U	0.043 U	0.36 U	0.043 U	0.043 U	0.043 U
79-01-6	TRICHLOROETHYLENE (TCE)	ug/m3	12	12	24	12	0.056 U	23	0.056 U
75-69-4	TRICHLOROFLUOROMETHANE	ug/m3	1.8	2.5	2	0.59 U	1.2	2	0.069 U
108-05-4	VINYL ACETATE	ug/m3	0.063 U	0.18 U	0.063 U	0.53 U	0.063 U	0.063 U	0.063 U
75-01-4	VINYL CHLORIDE	ug/m3	0.038 U	0.11 U	0.095	260	0.038 U	0.093	0.038 U

				DUP	
NYSDEC-Pine Ave Site 2015 Site Investigation Validated Air Analytical Data SDG: 15D0203		Location ID: Sample ID: Lab Sample Id: Source: SDG: Matrix: Sampled: Validated:	2865E-FF 2865E-FF-033115 15D0203-05 CONTEST 15D0203 AIR 4/1/2015 7:01 6/1/2015	2865E-IA 2865E-IA-033115 15D0203-01 CONTEST 15D0203 AIR 4/1/2015 7:04 6/1/2015	2865E-IA IAD-033115 15D0203-03 CONTEST 15D0203 AIR 4/1/2015 7:05 6/1/2015
CAS NO.	COMPOUND	UNITS:			AA
	VOLATILES				AA-033115
71-55-6	1,1,1-TRICHLOROETHANE	ug/m3	R	0.034 U	0.034 U
79-34-5	1,1,2,2-TETRACHLOROETHANE	ug/m3	0.057 U	0.057 U	0.057 U
76-13-1	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/m3	0.67 J	0.41 J	0.41 J
79-00-5	1,1,2-TRICHLOROETHANE	ug/m3	0.058 U	0.058 U	0.058 U
75-34-3	1,1-DICHLOROETHANE	ug/m3	0.04 U	0.04 U	0.04 U
75-35-4	1,1-DICHLOROETHENE	ug/m3	0.034 U	0.034 U	0.034 U
120-82-1	1,2,4-TRICHLOROBENZENE	ug/m3	0.098 U	0.098 U	0.098 U
95-63-6	1,2,4-TRIMETHYLBENZENE	ug/m3	6.4 J+	6.9 J+	0.21 J+
106-93-4	1,2-DIBROMOETHANE (ETHYLENE DIBROMIDE)	ug/m3	0.06 U	0.06 U	0.06 U
95-50-1	1,2-DICHLOROBENZENE	ug/m3	0.056 U	0.056 U	0.056 U
107-06-2	1,2-DICHLOROETHANE	ug/m3	0.27	0.35	0.057 J
78-87-5	1,2-DICHLOROPROPANE	ug/m3	R	0.056 U	0.056 U
76-14-2	1,2-DICHLOROTETRAFLUOROETHANE	ug/m3	0.058 U	0.058 U	0.058 U
108-67-8	1,3,5-TRIMETHYLBENZENE (MESITYLENE)	ug/m3	1.2 J+	1.3 J+	0.059 J
106-99-0	1,3-BUTADIENE	ug/m3	0.04 U	0.04 U	0.04 U
541-73-1	1,3-DICHLOROBENZENE	ug/m3	0.047 U	0.047 U	0.047 U
106-46-7	1,4-DICHLOROBENZENE	ug/m3	16	7.3	0.053 U
123-91-1	1,4-DIOXANE (P-DIOXANE)	ug/m3	R	0.82 U	0.82 U
591-78-6	2-HEXANONE	ug/m3	0.055 J	0.037 U	0.36 J+
622-96-8	4-ETHYLTOLUENE	ug/m3	4.7	1.4	0.076 J
67-64-1	ACETONE	ug/m3	400	280	24
71-43-2	BENZENE	ug/m3	2.8 J	7.3	0.57
100-44-7	BENZYL CHLORIDE	ug/m3	0.035 UJ	0.035 UJ	0.035 UJ
75-27-4	BROMODICHLOROMETHANE	ug/m3	R	0.051 U	0.051 U
75-25-2	BROMOFORM	ug/m3	0.07 U	0.07 U	0.07 U
74-83-9	BROMOMETHANE	ug/m3	0.094 UJ	0.094 UJ	0.094 UJ
75-15-0	CARBON DISULFIDE	ug/m3	0.15 J	0.066 J	0.038 U
56-23-5	CARBON TETRACHLORIDE	ug/m3	0.4 J	0.64	0.55
108-90-7	CHLOROBENZENE	ug/m3	0.056 U	0.056 U	0.056 U
75-00-3	CHLOROETHANE	ug/m3	0.035 U	0.035 U	0.035 U
67-66-3	CHLOROFORM	ug/m3	0.21	0.21	0.065 J
74-87-3	CHLOROMETHANE	ug/m3	1.6	1	1.1
156-59-2	CIS-1,2-DICHLOROETHYLENE	ug/m3	1.6	14	0.053 J
10061-01-5	CIS-1,3-DICHLOROPROPENE	ug/m3	R	0.042 U	0.042 U
110-82-7	CYCLOHEXANE	ug/m3	2.3 J	2.7	0.069 U
124-48-1	DIBROMOCHLOROMETHANE	ug/m3	0.08 U	0.08 U	0.08 U
75-71-8	DICHLORODIFLUOROMETHANE	ug/m3	1.1 J	0.6 J	0.61 J
64-17-5	ETHANOL	ug/m3	4500	590	7.9
141-78-6	ETHYL ACETATE	ug/m3	0.094 U	31 J	1.1
100-41-4	ETHYLBENZENE	ug/m3	5.3	5.6	0.33
87-68-3	HEXACHLOROBUTADIENE	ug/m3	0.14 U	0.14 U	0.14 U
67-63-0	ISOPROPANOL	ug/m3	33000	3000	4
179601-23-1	M,P-XYLENES	ug/m3	22	25	2
78-93-3	METHYL ETHYL KETONE (2-BUTANONE)	ug/m3	0.077 U	3.4 J	2.2 J
108-10-1	METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	ug/m3	R	0.034 U	0.034 U
75-09-2	METHYLENE CHLORIDE	ug/m3	3.9	4.5	1.8
91-20-3	NAPHTHALENE	ug/m3	0.1 U	0.55 J+	0.1 U
142-82-5	N-HEPTANE	ug/m3	3.3 J	7.7 J	0.24 J
110-54-3	N-HEXANE	ug/m3	25 J	31 J	7.6 J
95-47-6	O-XYLENE (1,2-DIMETHYLBENZENE)	ug/m3	7.7 J+	8.2 J+	0.65 J+
115-07-1	PROPYLENE	ug/m3	0.18 U	0.18 U	0.18 U
100-42-5	STYRENE	ug/m3	0.25	0.17	0.033 J
75-65-0	TERT-BUTYL ALCOHOL	ug/m3	6.1	0.23 U	0.23 U
1634-04-4	TERT-BUTYL METHYL ETHER	ug/m3	0.039 U	0.039 U	0.039 U
127-18-4	TETRACHLOROETHYLENE(PCE)	ug/m3	180	550	0.64
109-99-9	TETRAHYDROFURAN	ug/m3	0.043 U	0.043 U	0.043 U
108-88-3	TOLUENE	ug/m3	33	40	1.6
156-60-5	TRANS-1,2-DICHLOROETHENE	ug/m3	0.037 U	0.21	0.037 U
10061-02-6	TRANS-1,3-DICHLOROPROPENE	ug/m3	R	0.043 U	0.043 U
79-01-6	TRICHLOROETHYLENE (TCE)	ug/m3	16 J	37	0.1 J
75-69-4	TRICHLOROFLUOROMETHANE	ug/m3	7.4	2.4	1
108-05-4	VINYL ACETATE	ug/m3	0.063 UJ	0.063 UJ	0.063 UJ
75-01-4	VINYL CHLORIDE	ug/m3	0.065 J	0.12	0.038 U

		Field Duplicate								
NYSDEC-Pine Ave Site 2015 Site Investigation Validated Air Analytical Data SDG: 15G1146		Location ID: Sample ID: Lab Sample Id: Source: SDG: Matrix: Sampled: Validated:	PA-SV03 PA-SV03-072015 15G1146-01 CONTEST 15G1146 SOIL 7/20/2015 17:30 8/31/2015	PA-SV04 PA-SV04-072015 15G1146-02 CONTEST 15G1146 SOIL 7/20/2015 17:41 8/31/2015	PA-SV05 PA-SV05-072015 15G1146-03 CONTEST 15G1146 SOIL 7/20/2015 17:51 8/31/2015	PA-SV06 PA-SV06-072015 15G1146-04 CONTEST 15G1146 SOIL 7/20/2015 18:09 8/31/2015	PA-SV07 PA-SV07-072115 15G1146-05 CONTEST 15G1146 SOIL 7/21/2015 11:22 8/31/2015	PA-SV08 PA-SV08-072115 15G1146-06 CONTEST 15G1146 SOIL 7/21/2015 11:22 8/31/2015	PA-SV08 PA-07215-DUP 15G1146-07 CONTEST 15G1146 SOIL 7/21/2015 0:00 8/31/2015	PA-SV09 PA-SV09-072115 15G1146-08 CONTEST 15G1146 SOIL 7/21/2015 11:41 8/31/2015
CAS NO.	COMPOUND	UNITS:								
	VOLATILES									
71-55-6	1,1,1-TRICHLOROETHANE	ug/m3	6.7	0.098 U	2.9	3.4	0.6	0.098 U	0.098 U	0.098 U
79-34-5	1,1,2,2-TETRACHLOROETHANE	ug/m3	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	1.2	0.16 U	0.16 U
76-13-1	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/m3	4.5	0.21 U	2.9 J	0.77 J	1.2 J	0.77 J	0.78 J	2.1 J
79-00-5	1,1,2-TRICHLOROETHANE	ug/m3	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U
75-34-3	1,1-DICHLOROETHANE	ug/m3	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.98
75-35-4	1,1-DICHLOROETHENE	ug/m3	0.097 U	0.097 U	0.097 U	0.097 U	0.097 U	0.097 U	0.097 U	0.097 U
120-82-1	1,2,4-TRICHLOROBENZENE	ug/m3	0.28 UJ	0.28 UJ	0.28 UJ	0.28 UJ	0.28 UJ	0.28 UJ	0.28 UJ	0.28 UJ
95-63-6	1,2,4-TRIMETHYLBENZENE	ug/m3	37	38	46	110	30	34	34	29
106-93-4	1,2-DIBROMOETHANE	ug/m3	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U
95-50-1	1,2-DICHLOROBENZENE	ug/m3	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U
107-06-2	1,2-DICHLOROETHANE	ug/m3	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U
78-87-5	1,2-DICHLOROPROPANE	ug/m3	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U
76-14-2	1,2-DICHLOROTETRAFLUOROETHANE	ug/m3	0.17 UJ	0.17 UJ	0.17 UJ	0.17 UJ	0.17 UJ	0.17 UJ	0.17 UJ	0.17 UJ
108-67-8	1,3,5-TRIMETHYLBENZENE (MESITYLENE)	ug/m3	9.4	9.7	11	33	7.2	9.6	9.7	6.7
106-99-0	1,3-BUTADIENE	ug/m3	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U
541-73-1	1,3-DICHLOROBENZENE	ug/m3	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U
106-46-7	1,4-DICHLOROBENZENE	ug/m3	0.79	0.95	1.5	1.2	0.7	1.1	1.1	0.15 U
123-91-1	1,4-DIOXANE (P-DIOXANE)	ug/m3	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U
591-78-6	2-HEXANONE	ug/m3	32	34	25	0.1 U	11	0.1 U	0.1 U	12
622-96-8	4-ETHYLTOLUENE	ug/m3	9	9	12	61	8	11	9.9	7.7
67-64-1	ACETONE	ug/m3	290	270	300	280	120	62	59	160
71-43-2	BENZENE	ug/m3	3	2	2.2	0.94	1.4	4.5	4.7	1.9
100-44-7	BENZYL CHLORIDE	ug/m3	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
75-27-4	BROMODICHLOROMETHANE	ug/m3	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	6.5	6.4	0.15 U
75-25-2	BROMOFORM	ug/m3	0.2 UJ	0.2 UJ	0.2 UJ	0.2 UJ	0.2 UJ	0.2 UJ	0.2 UJ	0.2 UJ
74-83-9	BROMOMETHANE	ug/m3	0.27 UJ	0.27 UJ	0.27 UJ	0.27 UJ	0.27 UJ	0.27 UJ	0.27 UJ	0.27 UJ
75-15-0	CARBON DISULFIDE	ug/m3	130	160	150	21	99	170	170	200
56-23-5	CARBON TETRACHLORIDE	ug/m3	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.65	0.7	0.15 U
108-90-7	CHLOROBENZENE	ug/m3	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U
75-00-3	CHLOROETHANE	ug/m3	0.1 UJ	0.1 UJ	0.1 UJ	0.1 UJ	0.1 UJ	0.73 J	0.78 J	0.1 UJ
67-66-3	CHLOROFORM	ug/m3	0.11 U	0.5	5.1	5	7.5	200	200	0.92
74-87-3	CHLOROMETHANE	ug/m3	0.39 J	0.44	0.57	0.7	0.7	0.92	0.88	3.6
156-59-2	CIS-1,2-DICHLOROETHYLENE	ug/m3	2	0.15 U	0.72	0.15 U	0.15 U	98	100	1.4
10061-01-5	CIS-1,3-DICHLOROPROPENE	ug/m3	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U
110-82-7	CYCLOHEXANE	ug/m3	1.9	1.3	1.7	1	1.1	2.2	2.2	1.2
124-48-1	DIBROMOCHLOROMETHANE	ug/m3	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U
75-71-8	DICHLORODIFLUOROMETHANE	ug/m3	2.6	2.5	2.3	1.9	1.9	2	2	2.7
64-17-5	ETHANOL	ug/m3	22 J	30 J	18 J	26 J	12 J	6.5 J	5.3 J	13 J
141-78-6	ETHYL ACETATE	ug/m3	0.27 UJ	0.27 UJ	0.27 UJ	0.27 UJ	0.27 UJ	0.27 UJ	0.27 UJ	0.27 UJ
100-41-4	ETHYLBENZENE	ug/m3	31	25	35	2400	19	31	31	19
87-68-3	HEXACHLOROBUTADIENE	ug/m3	0.4 UJ	0.4 UJ	0.4 UJ	0.4 UJ	0.4 UJ	0.4 UJ	0.4 UJ	0.4 UJ
67-63-0	ISOPROPANOL	ug/m3	1.6 J	4.3 J	1.6 J	3.4 J	2.3 J	1.4 J	0.71 J	1.4 J
179601-23-1	M,P-XYLENES	ug/m3	120	99	130	6800 J	68	99	100	67
78-93-3	METHYL ETHYL KETONE	ug/m3	57	65	52	42	25	10 J	10 J	27
108-10-1	METHYL ISOBUTYL KETONE	ug/m3	1.6	1.5	0.098 U	0.098 U	1.1	0.098 U	0.098 U	0.098 U
75-09-2	METHYLENE CHLORIDE	ug/m3	0.79 J	1.2 J	0.92 J	1 J	0.78 J	2.3 J	2.5 J	0.97 J
91-20-3	NAPHTHALENE	ug/m3	5.7 J	5.2 J	4.8 J	28 J	4.8 J	4.6 J	4.5 J	5.5 J
142-82-5	N-HEPTANE	ug/m3	13	10	10	6	5.6	2.5	2.3	6
110-54-3	N-HEXANE	ug/m3	12 J	10 J	9.5 J	4.6 J	4.5 J	4.2 J	0.62 U	5.5 J
95-47-6	O-XYLENE	ug/m3	39	35	46	2800 J	25	36	36	24

								Field Duplicate	
NYSDEC-Pine Ave Site 2015 Site Investigation Validated Air Analytical Data SDG: 15G1146		Location ID:	PA-SV03	PA-SV04	PA-SV05	PA-SV06	PA-SV07	PA-SV08	
		Sample ID:	PA-SV03-072015	PA-SV04-072015	PA-SV05-072015	PA-SV06-072015	PA-SV07-072115	PA-SV08-072115	PA-SV08
		Lab Sample Id:	15G1146-01	15G1146-02	15G1146-03	15G1146-04	15G1146-05	15G1146-06	PA-07215-DUP
		Source:	CONTEST	CONTEST	CONTEST	CONTEST	CONTEST	CONTEST	15G1146-07
		SDG:	15G1146	15G1146	15G1146	15G1146	15G1146	15G1146	15G1146-08
		Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	CONTEST
		Sampled:	7/20/2015 17:30	7/20/2015 17:41	7/20/2015 17:51	7/20/2015 18:09	7/21/2015 11:22	7/21/2015 11:22	15G1146
		Validated:	8/31/2015	8/31/2015	8/31/2015	8/31/2015	8/31/2015	8/31/2015	15G1146
									SOIL
									SOIL
CAS NO.	COMPOUND	UNITS:							
115-07-1	PROPYLENE	ug/m3	12	12	11	7.7	5.2 J	25	26
100-42-5	STYRENE	ug/m3	21	22	24	19	19	11	0.53 U
75-65-0	TERT-BUTYL ALCOHOL	ug/m3	10	6.7	6.5	13	5.7	3	25
1634-04-4	TERT-BUTYL METHYL ETHER	ug/m3	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	4.8
127-18-4	TETRACHLOROETHYLENE (PCE)	ug/m3	1500	17	4500	1000	270	540	0.11 U
109-99-9	TETRAHYDROFURAN	ug/m3	1.2	1.4	1.4	0.12 U	1.4	2.1	17
108-88-3	TOLUENE	ug/m3	110	86	87	1500	50	63	1.4
156-60-5	TRANS-1,2-DICHLOROETHENE	ug/m3	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	4.5	58
10061-02-6	TRANS-1,3-DICHLOROPROPENE	ug/m3	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.1 U
79-01-6	TRICHLOROETHYLENE (TCE)	ug/m3	81	3.6	38	94	5.4	470	0.12 U
75-69-4	TRICHLOROFLUOROMETHANE	ug/m3	2.1 J	2.2 J	3.6 J	2.5 J	2.7 J	1.7 J	10
108-05-4	VINYL ACETATE	ug/m3	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	1.7 J
75-01-4	VINYL CHLORIDE	ug/m3	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	1.2	0.18 U

NYSDEC-Pine Ave Site 2015 Site Investigation Validated Air Analytical Data SDG: 15I0584		Location ID: Sample ID: Lab Sample Id: Source: SDG: Matrix: Sampled: Validated:	2526-MS-01 2526-MS-091115-01 15I0584-11 CONTEST 15I0584 SOIL 9/11/2015 10:42 10/22/2015	2526-MS-02 2526-MS-091115-02 15I0584-12 CONTEST 15I0584 SOIL 9/11/2015 10:32 10/22/2015	2865E-AA-01 2865E-AA-091115-01 15I0584-10 CONTEST 15I0584 SOIL 9/11/2015 9:29 10/22/2015	2865E-IA-01 2865E-IA-091115-01 15I0584-01 CONTEST 15I0584 SOIL 9/11/2015 8:47 10/22/2015
CAS NO.	COMPOUND	UNITS:				
	VOLATILES					
71-55-6	1,1,1-TRICHLOROETHANE	ug/m3	0.95	1.3	0.19 U	0.19 U
79-34-5	1,1,2,2-TETRACHLOROETHANE	ug/m3	0.69 U	0.69 U	0.24 U	0.24 U
76-13-1	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/m3	1.1 J	3.1 U	0.72 J	0.72 J
79-00-5	1,1,2-TRICHLOROETHANE	ug/m3	0.55 U	0.55 U	0.19 U	0.19 U
75-34-3	1,1-DICHLOROETHANE	ug/m3	0.69	0.67	0.14 U	0.14 U
75-35-4	1,1-DICHLOROETHENE	ug/m3	0.4 U	0.4 U	0.14 U	0.14 U
120-82-1	1,2,4-TRICHLOROBENZENE	ug/m3	0.74 U	0.74 U	0.26 U	0.26 U
95-63-6	1,2,4-TRIMETHYLBENZENE	ug/m3	0.49 U	0.49 U	0.78	6
106-93-4	1,2-DIBROMOETHANE	ug/m3	0.77 U	0.77 U	0.27 U	0.27 U
95-50-1	1,2-DICHLOROBENZENE	ug/m3	0.6 U	0.6 U	0.21 U	0.21 U
107-06-2	1,2-DICHLOROETHANE	ug/m3	0.4 U	0.4 U	0.14 U	0.87
78-87-5	1,2-DICHLOROPROPANE	ug/m3	0.46 U	0.46 U	0.16 U	0.16 U
76-14-2	1,2-DICHLOROTETRAFLUOROETHANE	ug/m3	0.7 U	0.7 U	0.25 U	0.25 U
108-67-8	1,3,5-TRIMETHYLBENZENE (MESITYLENE)	ug/m3	0.49 U	0.49 U	0.22	1.4
106-99-0	1,3-BUTADIENE	ug/m3	0.22 U	0.22 U	0.078 U	0.078 U
541-73-1	1,3-DICHLOROBENZENE	ug/m3	0.6 U	0.6 U	0.21 U	0.21 U
106-46-7	1,4-DICHLOROBENZENE	ug/m3	0.6 U	0.6 U	0.21 U	4.6
123-91-1	1,4-DIOXANE (P-DIOXANE)	ug/m3	3.6 U	3.6 U	1.3 U	1.3 U
591-78-6	2-HEXANONE	ug/m3	0.41 U	0.41 U	0.14 U	0.14 U
622-96-8	4-ETHYLTOLUENE	ug/m3	0.49 U	0.49 U	0.19	1.3
67-64-1	ACETONE	ug/m3	14	18	16	460
71-43-2	BENZENE	ug/m3	2.9	1.4	0.84	3.3
100-44-7	BENZYL CHLORIDE	ug/m3	0.52 UJ	0.52 UJ	0.18 UJ	0.18 UJ
75-27-4	BROMODICHLOROMETHANE	ug/m3	0.67 U	8.4	0.24 U	0.24 U
75-25-2	BROMOFORM	ug/m3	1 U	1 U	0.36 U	0.36 U
74-83-9	BROMOMETHANE	ug/m3	0.39 U	0.39 U	0.14 U	0.14 U
75-15-0	CARBON DISULFIDE	ug/m3	0.41 J	3.1 U	0.11 J	0.13 J
56-23-5	CARBON TETRACHLORIDE	ug/m3	0.63 U	0.63 U	0.49	0.49
108-90-7	CHLOROBENZENE	ug/m3	0.46 U	0.46 U	0.16 U	0.16 U
75-00-3	CHLOROETHANE	ug/m3	0.26 U	0.26 U	0.093 U	0.093 U
67-66-3	CHLOROFORM	ug/m3	9.2	28	0.35	0.81
74-87-3	CHLOROMETHANE	ug/m3	0.88	0.67	0.9	0.92
156-59-2	CIS-1,2-DICHLOROETHYLENE	ug/m3	1.1	1.2	0.14 U	10
10061-01-5	CIS-1,3-DICHLOROPROPENE	ug/m3	0.45 U	0.45 U	0.16 U	0.16 U
110-82-7	CYCLOHEXANE	ug/m3	0.34 U	0.34 U	0.39	1.8
124-48-1	DIBROMOCHLOROMETHANE	ug/m3	0.85 U	1.3	0.3 U	0.3 U
75-71-8	DICHLORODIFLUOROMETHANE	ug/m3	3	2.9	2.1	2.1
64-17-5	ETHANOL	ug/m3	5.4 J	18	18	520
141-78-6	ETHYL ACETATE	ug/m3	0.36 U	0.36 U	1.1	2.1
100-41-4	ETHYLBENZENE	ug/m3	0.43 U	0.43 U	0.64	4.2
87-68-3	HEXACHLOROBUTADIENE	ug/m3	1.1 U	1.1 U	0.37 U	0.37 U
67-63-0	ISOPROPANOL	ug/m3	2.6 J	2.3 J	3.6 J	2600 J
179601-23-1	M,P-XYLENES	ug/m3	0.85 J	1.3	2.5	17
78-93-3	METHYL ETHYL KETONE (2-BUTANONE)	ug/m3	2.4 J	2.4 J	1.3 J	5
108-10-1	METHYL ISOBUTYL KETONE	ug/m3	0.41 U	0.41 U	0.14 U	0.47
75-09-2	METHYLENE CHLORIDE	ug/m3	1.6 J	0.91 J	1.5	1.3
91-20-3	NAPHTHALENE	ug/m3	0.52 U	0.52 U	0.42	0.85
142-82-5	N-HEPTANE	ug/m3	0.52	0.41 U	0.87	3.4
110-54-3	N-HEXANE	ug/m3	0.83 J	14 UJ	1.2 J	5.4 J
95-47-6	O-XYLENE (1,2-DIMETHYLBENZENE)	ug/m3	0.43 U	0.47	0.92	6
115-07-1	PROPYLENE	ug/m3	6.9 U	6.9 U	2.4 U	2.4 U
100-42-5	STYRENE	ug/m3	0.43 U	0.43 U	0.15 U	0.37
75-65-0	TERT-BUTYL ALCOHOL	ug/m3	1.2 U	1.2 U	0.22 J	1.6
1634-04-4	TERT-BUTYL METHYL ETHER	ug/m3	0.36 UJ	0.36 UJ	0.13 UJ	0.13 UJ
127-18-4	TETRACHLOROETHYLENE(PCE)	ug/m3	370	80	1.5	210
109-99-9	TETRAHYDROFURAN	ug/m3	0.29 U	0.29 U	0.1 U	3
108-88-3	TOLUENE	ug/m3	1.2	1.7	3.3	15
156-60-5	TRANS-1,2-DICHLOROETHENE	ug/m3	0.4 U	0.4 U	0.14 U	0.15
10061-02-6	TRANS-1,3-DICHLOROPROPENE	ug/m3	0.45 U	0.45 U	0.16 U	0.16 U
79-01-6	TRICHLOROETHYLENE (TCE)	ug/m3	98	20	0.45	21
75-69-4	TRICHLOROFLUOROMETHANE	ug/m3	31	7.3	1.5	3.7
108-05-4	VINYL ACETATE	ug/m3	7 U	7 U	2.5 U	2.5 U
75-01-4	VINYL CHLORIDE	ug/m3	0.26 U	0.26 U	0.09 U	0.09 U

			Dup of 2865E-IA-091115-02			
NYSDEC-Pine Ave Site 2015 Site Investigation Validated Air Analytical Data SDG: 15I0584		Location ID: Sample ID: Lab Sample Id: Source: SDG: Matrix: Sampled: Validated:	2865E-IA-02 2865E-IA-091115-02 15I0584-02 CONTEST 15I0584 SOIL 9/11/2015 8:32 10/22/2015	2865E-IA-02 2865E-IA-091115-DUP 15I0584-06 CONTEST 15I0584 SOIL 9/11/2015 8:32 10/22/2015	2865E-IA-03 2865E-IA-091115-03 15I0584-03 CONTEST 15I0584 SOIL 9/11/2015 6:35 10/22/2015	2865E-IA-04 2865E-IA-091115-04 15I0584-04 CONTEST 15I0584 SOIL 9/11/2015 8:55 10/22/2015
CAS NO.	COMPOUND	UNITS:				
	VOLATILES					
71-55-6	1,1,1-TRICHLOROETHANE	ug/m3	0.19 U	0.19 U	0.19 U	0.19 U
79-34-5	1,1,2,2-TETRACHLOROETHANE	ug/m3	0.24 U	0.24 U	0.24 U	0.24 U
76-13-1	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/m3	0.72 J	0.68 J	0.68 J	0.7 J
79-00-5	1,1,2-TRICHLOROETHANE	ug/m3	0.19 U	0.19 U	0.19 U	0.19 U
75-34-3	1,1-DICHLOROETHANE	ug/m3	0.14 U	0.14 U	0.14 U	0.14 U
75-35-4	1,1-DICHLOROETHENE	ug/m3	0.14 U	0.14 U	0.14 U	0.14 U
120-82-1	1,2,4-TRICHLOROBENZENE	ug/m3	0.26 U	0.26 U	0.26 U	0.26 U
95-63-6	1,2,4-TRIMETHYLBENZENE	ug/m3	6.9	7.5	13	4.1
106-93-4	1,2-DIBROMOETHANE	ug/m3	0.27 U	0.27 U	0.27 U	0.27 U
95-50-1	1,2-DICHLOROBENZENE	ug/m3	0.21 U	0.21 U	0.21 U	0.21 U
107-06-2	1,2-DICHLOROETHANE	ug/m3	0.83	0.83	0.34	0.18
78-87-5	1,2-DICHLOROPROPANE	ug/m3	0.16 U	0.16 U	0.16 U	0.16 U
76-14-2	1,2-DICHLOROTETRAFLUOROETHANE	ug/m3	0.25 U	0.25 U	0.25 U	0.25 U
108-67-8	1,3,5-TRIMETHYLBENZENE (MESITYLENE)	ug/m3	1.6	1.8	6.2	0.96
106-99-0	1,3-BUTADIENE	ug/m3	0.078 U	0.078 U	0.078 U	0.078 U
541-73-1	1,3-DICHLOROBENZENE	ug/m3	0.21 U	0.21 U	0.21 U	0.21 U
106-46-7	1,4-DICHLOROBENZENE	ug/m3	5.3	5.6	13	1.3
123-91-1	1,4-DIOXANE (P-DIOXANE)	ug/m3	1.3 U	1.3 U	1.3 U	1.3 U
591-78-6	2-HEXANONE	ug/m3	0.14 U	0.14 U	0.14 U	0.14 U
622-96-8	4-ETHYLTOLUENE	ug/m3	1.6	1.7	6.6	1
67-64-1	ACETONE	ug/m3	460	410	1000	130
71-43-2	BENZENE	ug/m3	3.8	4	12	2.4
100-44-7	BENZYL CHLORIDE	ug/m3	0.18 UJ	0.18 UJ	0.18 UJ	0.18 UJ
75-27-4	BROMODICHLOROMETHANE	ug/m3	0.24 U	0.24 U	0.24 U	0.24 U
75-25-2	BROMOFORM	ug/m3	0.36 U	0.36 U	0.36 U	0.36 U
74-83-9	BROMOMETHANE	ug/m3	0.14 U	0.14 U	0.14 U	0.14 U
75-15-0	CARBON DISULFIDE	ug/m3	0.11 J	1.1 U	0.14 J	1.1 U
56-23-5	CARBON TETRACHLORIDE	ug/m3	0.46	0.45	0.61	0.39
108-90-7	CHLOROBENZENE	ug/m3	0.16 U	0.16 U	0.16 U	0.16 U
75-00-3	CHLOROETHANE	ug/m3	0.093 U	0.093 U	0.093 U	0.093 U
67-66-3	CHLOROFORM	ug/m3	0.68	0.68	0.64	0.35
74-87-3	CHLOROMETHANE	ug/m3	0.96	0.9	1.3	1.3
156-59-2	CIS-1,2-DICHLOROETHYLENE	ug/m3	12	12	3.8	1.4
10061-01-5	CIS-1,3-DICHLOROPROPENE	ug/m3	0.16 U	0.16 U	0.16 U	0.16 U
110-82-7	CYCLOHEXANE	ug/m3	2.2	2.3	8.4	1.2
124-48-1	DIBROMOCHLOROMETHANE	ug/m3	0.3 U	0.3 U	0.3 U	0.3 U
75-71-8	DICHLORODIFLUOROMETHANE	ug/m3	2.1	2	2.3	2.2
64-17-5	ETHANOL	ug/m3	600	610	3600	250
141-78-6	ETHYL ACETATE	ug/m3	2.4	2.6	8.3	1.6
100-41-4	ETHYLBENZENE	ug/m3	4.8	5.2	17	3.3
87-68-3	HEXACHLOROBUTADIENE	ug/m3	0.37 U	0.37 U	0.37 U	0.37 U
67-63-0	ISOPROPANOL	ug/m3	2900 J	3000 J	11000 J	760 J
179601-23-1	M,P-XYLENES	ug/m3	19	20	24	13
78-93-3	METHYL ETHYL KETONE (2-BUTANONE)	ug/m3	4.3	4.1 J	8.5	2.8 J
108-10-1	METHYL ISOBUTYL KETONE	ug/m3	0.51	0.44	0.14 U	0.14 U
75-09-2	METHYLENE CHLORIDE	ug/m3	1.1 J	1.2	1.6	1.2
91-20-3	NAPHTHALENE	ug/m3	0.89	1.2	2.1	0.54
142-82-5	N-HEPTANE	ug/m3	4.2	4.3	15	2.6
110-54-3	N-HEXANE	ug/m3	6.3 J	6.6 J	22 J	5.1 J
95-47-6	O-XYLENE (1,2-DIMETHYLBENZENE)	ug/m3	6.8	7.3	20	4.6
115-07-1	PROPYLENE	ug/m3	2.4 U	2.4 U	2.4 U	2.4 U
100-42-5	STYRENE	ug/m3	0.42	0.49	0.47	0.15 U
75-65-0	TERT-BUTYL ALCOHOL	ug/m3	1.5 J	7.6 J	3.9	0.56
1634-04-4	TERT-BUTYL METHYL ETHER	ug/m3	0.13 UJ	0.13 UJ	0.13 UJ	0.13 UJ
127-18-4	TETRACHLOROETHYLENE(PCE)	ug/m3	220	220	180	50
109-99-9	TETRAHYDROFURAN	ug/m3	2.3	2.3	0.96	0.36
108-88-3	TOLUENE	ug/m3	15	15	14	13
156-60-5	TRANS-1,2-DICHLOROETHENE	ug/m3	0.16	0.16	0.14 U	0.14 U
10061-02-6	TRANS-1,3-DICHLOROPROPENE	ug/m3	0.16 U	0.16 U	0.16 U	0.16 U
79-01-6	TRICHLOROETHYLENE (TCE)	ug/m3	25	25	9.6	3
75-69-4	TRICHLOROFLUOROMETHANE	ug/m3	3.9	3.5	5	2.6
108-05-4	VINYL ACETATE	ug/m3	2.5 U	2.5 U	2.5 U	2.5 U
75-01-4	VINYL CHLORIDE	ug/m3	0.09 U	0.09 U	0.09 U	0.09 U

NYSDEC-Pine Ave Site 2015 Site Investigation Validated Air Analytical Data SDG: 15I0584		Location ID: Sample ID: Lab Sample Id: Source: SDG: Matrix: Sampled: Validated:	2865E-IA-05 2865E-IA-091115-05 15I0584-05 CONTEST 15I0584 SOIL 9/11/2015 7:31 10/22/2015	2865E-OA-01 2865E-OA-091115-01 15I0584-07 CONTEST 15I0584 SOIL 9/11/2015 9:14 10/22/2015	2865E-OA-02 2865E-OA-091115-02 15I0584-08 CONTEST 15I0584 SOIL 9/11/2015 10:39 10/22/2015	2865E-OA-03 2865E-OA-091115-03 15I0584-09 CONTEST 15I0584 SOIL 9/11/2015 9:45 10/22/2015
CAS NO.	COMPOUND	UNITS:				
	VOLATILES					
71-55-6	1,1,1-TRICHLOROETHANE	ug/m3	0.19 U	0.19 U	0.19 U	0.19 U
79-34-5	1,1,2,2-TETRACHLOROETHANE	ug/m3	0.24 U	0.24 U	0.24 U	0.24 U
76-13-1	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/m3	0.66 J	0.74 J	0.7 J	0.73 J
79-00-5	1,1,2-TRICHLOROETHANE	ug/m3	0.19 U	0.19 U	0.19 U	0.19 U
75-34-3	1,1-DICHLOROETHANE	ug/m3	0.14 U	0.14 U	0.14 U	0.14 U
75-35-4	1,1-DICHLOROETHENE	ug/m3	0.14 U	0.14 U	0.14 U	0.14 U
120-82-1	1,2,4-TRICHLOROBENZENE	ug/m3	0.26 U	0.26 U	0.26 U	0.26 U
95-63-6	1,2,4-TRIMETHYLBENZENE	ug/m3	20	0.82	0.69	0.8
106-93-4	1,2-DIBROMOETHANE	ug/m3	0.27 U	0.27 U	0.27 U	0.27 U
95-50-1	1,2-DICHLOROBENZENE	ug/m3	0.22	0.21 U	0.21 U	0.21 U
107-06-2	1,2-DICHLOROETHANE	ug/m3	0.83	0.14 U	0.14 U	0.14 U
78-87-5	1,2-DICHLOROPROPANE	ug/m3	0.16 U	0.16 U	0.16 U	0.16 U
76-14-2	1,2-DICHLOROTETRAFLUOROETHANE	ug/m3	0.25 U	0.25 U	0.25 U	0.25 U
108-67-8	1,3,5-TRIMETHYLBENZENE (MESITYLENE)	ug/m3	10	0.23	0.19	0.22
106-99-0	1,3-BUTADIENE	ug/m3	0.078 U	0.078 U	0.078 U	0.078 U
541-73-1	1,3-DICHLOROBENZENE	ug/m3	0.21 U	0.21 U	0.21 U	0.21 U
106-46-7	1,4-DICHLOROBENZENE	ug/m3	8.8	0.21 U	0.21 U	0.21 U
123-91-1	1,4-DIOXANE (P-DIOXANE)	ug/m3	1.3 U	1.3 U	1.3 U	1.3 U
591-78-6	2-HEXANONE	ug/m3	0.14 U	0.66	0.14 U	0.14 U
622-96-8	4-ETHYLTOLUENE	ug/m3	2.6	0.2	0.18	0.19
67-64-1	ACETONE	ug/m3	570	29	8.3	11
71-43-2	BENZENE	ug/m3	23	1.2	0.83	0.85
100-44-7	BENZYL CHLORIDE	ug/m3	0.18 UJ	0.18 UJ	0.18 UJ	0.18 UJ
75-27-4	BROMODICHLOROMETHANE	ug/m3	0.24 U	0.24 U	0.24 U	0.24 U
75-25-2	BROMOFORM	ug/m3	0.36 U	0.36 U	0.36 U	0.36 U
74-83-9	BROMOMETHANE	ug/m3	0.14 U	0.14 U	0.14 U	0.14 U
75-15-0	CARBON DISULFIDE	ug/m3	0.15 J	0.13 J	1.1 U	0.13 J
56-23-5	CARBON TETRACHLORIDE	ug/m3	0.38	0.48	0.48	0.49
108-90-7	CHLOROBENZENE	ug/m3	0.16 U	0.16 U	0.16 U	0.16 U
75-00-3	CHLOROETHANE	ug/m3	0.093 U	0.093 U	0.093 U	0.093 U
67-66-3	CHLOROFORM	ug/m3	0.17 U	0.37	0.34	0.37
74-87-3	CHLOROMETHANE	ug/m3	1.4	0.98	0.93	0.92
156-59-2	CIS-1,2-DICHLOROETHYLENE	ug/m3	2.9	0.14 U	0.14 U	0.19
10061-01-5	CIS-1,3-DICHLOROPROPENE	ug/m3	0.16 U	0.16 U	0.16 U	0.16 U
110-82-7	CYCLOHEXANE	ug/m3	37	0.4	0.33	0.35
124-48-1	DIBROMOCHLOROMETHANE	ug/m3	0.3 U	0.3 U	0.3 U	0.3 U
75-71-8	DICHLORODIFLUOROMETHANE	ug/m3	2.1	2	2	2
64-17-5	ETHANOL	ug/m3	1100	17	17	13
141-78-6	ETHYL ACETATE	ug/m3	0.13 U	0.77	0.74	0.8
100-41-4	ETHYLBENZENE	ug/m3	23	0.7	0.59	0.62
87-68-3	HEXACHLOROBUTADIENE	ug/m3	0.37 U	0.37 U	0.37 U	0.37 U
67-63-0	ISOPROPANOL	ug/m3	4500 J	7.4 J	8.2 J	9.7 J
179601-23-1	M,P-XYLENES	ug/m3	22	2.7	2.3	2.5
78-93-3	METHYL ETHYL KETONE (2-BUTANONE)	ug/m3	5.3	6.6	1.5 J	1.3 J
108-10-1	METHYL ISOBUTYL KETONE	ug/m3	0.14 U	0.42	0.25	0.14 U
75-09-2	METHYLENE CHLORIDE	ug/m3	2.9	1.2	1.2 J	1.3
91-20-3	NAPHTHALENE	ug/m3	12	0.43	0.37	0.46
142-82-5	N-HEPTANE	ug/m3	72	0.89	0.81	0.8
110-54-3	N-HEXANE	ug/m3	120 J	1.3 J	1 J	1.1 J
95-47-6	O-XYLENE (1,2-DIMETHYLBENZENE)	ug/m3	16	1	0.85	0.9
115-07-1	PROPYLENE	ug/m3	2.4 U	3.7	2.4 U	2.4 U
100-42-5	STYRENE	ug/m3	0.18	0.15 U	0.15 U	0.15 U
75-65-0	TERT-BUTYL ALCOHOL	ug/m3	1.9	1.4	0.25 J	0.27 J
1634-04-4	TERT-BUTYL METHYL ETHER	ug/m3	0.13 UJ	0.13 UJ	0.13 UJ	0.13 UJ
127-18-4	TETRACHLOROETHYLENE(PCE)	ug/m3	140	2.3	3.2	4.5
109-99-9	TETRAHYDROFURAN	ug/m3	0.75	0.1 U	0.1 U	0.1 U
108-88-3	TOLUENE	ug/m3	27	3.5	3	3.1
156-60-5	TRANS-1,2-DICHLOROETHENE	ug/m3	0.14 U	0.14 U	0.14 U	0.14 U
10061-02-6	TRANS-1,3-DICHLOROPROPENE	ug/m3	0.16 U	0.16 U	0.16 U	0.16 U
79-01-6	TRICHLOROETHYLENE (TCE)	ug/m3	8.1	0.51	0.54	0.66
75-69-4	TRICHLOROFLUOROMETHANE	ug/m3	5.2	1.5	1.5	1.5
108-05-4	VINYL ACETATE	ug/m3	2.5 U	2.5 U	2.5 U	2.5 U
75-01-4	VINYL CHLORIDE	ug/m3	0.09 U	0.09 U	0.09 U	0.09 U

						Dup of 2865E-IA-0333116-04			
NYSDEC-Pine Ave Site Site Investigation - March 2016 Validated Air Analytical Data SDG: 16D0113		Location ID: Sample ID: Lab Sample Id Source: SDG: Matrix: Sampled: Validated:	2865E-AA-01 2865E-AA-0333116-01 16D0113-02 CONTEST 16D0113 AIR 3/31/2016 6:40 5/10/2016	2865E-IA-01 2865E-IA-0333116-01 16D0113-07 CONTEST 16D0113 AIR 3/31/2016 6:35 5/10/2016	2865E-IA-03 2865E-IA-0333116-03 16D0113-04 CONTEST 16D0113 AIR 3/31/2016 6:25 5/10/2016	2865E-IA-04 2865E-IA-0333116-04 16D0113-03 CONTEST 16D0113 AIR 3/31/2016 6:25 5/10/2016	2865E-OA-03 2865E-OA-0333116-03 16D0113-05 CONTEST 16D0113 AIR 3/31/2016 6:40 5/10/2016	2865E-OA-03 2865E-OA-0333116-04 16D0113-01 CONTEST 16D0113 AIR 3/31/2016 6:40 5/10/2016	2865E-SS-01 2865E-SS-0333116-01 16D0113-06 CONTEST 16D0113 AIR 3/31/2016 6:55 5/10/2016
CAS NO.	COMPOUND	UNITS:							
	VOLATILES								
71-55-6	1,1,1-TRICHLOROETHANE	ug/m3	0.19 U	0.19 U	0.55 U	0.19 U	0.19 U	0.19 U	0.55 U
79-34-5	1,1,2,2-TETRACHLOROETHANE	ug/m3	0.24 U	0.24 U	0.69 U	0.24 U	0.24 U	0.24 U	0.69 U
76-13-1	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/m3	0.63 J	0.73 J	1.1 J	0.61 J	0.59 J	0.6 J	3.1 U
79-00-5	1,1,2-TRICHLOROETHANE	ug/m3	0.19 U	0.19 U	0.55 U	0.19 U	0.19 U	0.19 U	0.55 U
75-34-3	1,1-DICHLOROETHANE	ug/m3	0.14 U	0.14 U	0.4 U	0.14 U	0.14 U	0.14 U	0.4 U
75-35-4	1,1-DICHLOROETHENE	ug/m3	0.14 U	0.44	0.4 U	0.14 U	0.14 U	0.14 U	0.4 U
120-82-1	1,2,4-TRICHLOROBENZENE	ug/m3	0.26 U	0.26 U	0.74 U	0.26 U	0.26 U	0.26 U	0.74 U
95-63-6	1,2,4-TRIMETHYLBENZENE	ug/m3	0.17 U	2.8	2.3	13	0.17 U	0.17 U	13
106-93-4	1,2-DIBROMOETHANE	ug/m3	0.27 U	0.27 U	0.77 U	0.27 U	0.27 U	0.27 U	0.77 U
95-50-1	1,2-DICHLOROBENZENE	ug/m3	0.21 U	0.21 U	0.6 U	0.21 U	0.21 U	0.21 U	0.6 U
107-06-2	1,2-DICHLOROETHANE	ug/m3	0.14 U	0.43	0.4 U	1.1	0.14 U	0.14 U	0.4 U
78-87-5	1,2-DICHLOROPROPANE	ug/m3	0.16 U	0.16 U	0.46 U	0.16 U	0.16 U	0.16 U	0.46 U
76-14-2	1,2-DICHLOROTETRAFLUOROETHANE	ug/m3	0.25 U	0.25 U	0.7 U	0.25 U	0.25 U	0.25 U	0.7 U
108-67-8	1,3,5-TRIMETHYLBENZENE (MESITYLENE)	ug/m3	0.17 U	0.75	0.59	3	0.17 U	0.17 U	4.6
106-99-0	1,3-BUTADIENE	ug/m3	0.078 U	0.078 U	0.22 U	0.15	0.078 U	0.078 U	0.22 U
541-73-1	1,3-DICHLOROBENZENE	ug/m3	0.21 U	0.21 U	0.6 U	0.21 U	0.21 U	0.21 U	0.6 U
106-46-7	1,4-DICHLOROBENZENE	ug/m3	0.21 U	1.8	2	1.1	0.21 U	0.21 U	0.6 U
123-91-1	1,4-DIOXANE (P-DIOXANE)	ug/m3	1.3 U	1.3 U	3.6 U	1.3 U	1.3 U	1.3 U	3.6 U
591-78-6	2-HEXANONE	ug/m3	0.4	0.42	0.41 U	0.14 U	0.14 U	0.14 U	0.41 U
622-96-8	4-ETHYLTOLUENE	ug/m3	0.17 U	0.74	0.6	3.5	0.17 U	0.17 U	2.2
67-64-1	ACETONE	ug/m3	14	430	380	320	8.9	13	13
71-43-2	BENZENE	ug/m3	0.59	8.1	6.2	15	0.54	0.65	4
100-44-7	BENZYL CHLORIDE	ug/m3	0.18 U	0.18 U	0.52 U	0.18 U	0.18 U	0.18 U	0.52 U
75-27-4	BROMODICHLOROMETHANE	ug/m3	0.24 U	0.24 U	0.67 U	0.24 U	0.24 U	0.24 U	0.67 U
75-25-2	BROMOFORM	ug/m3	0.36 U	0.36 U	1 U	0.36 U	0.36 U	0.36 U	1 U
74-83-9	BROMOMETHANE	ug/m3	0.14 U	0.14 U	0.39 U	0.14 U	0.14 U	0.14 U	0.39 U
75-15-0	CARBON DISULFIDE	ug/m3	1.1 U	1.1 U	3.1 U	0.13 J	1.1 U	0.41 J	1 J
56-23-5	CARBON TETRACHLORIDE	ug/m3	0.57	0.82	0.72	0.73	0.57	0.67	0.63 U
108-90-7	CHLOROBENZENE	ug/m3	0.16 U	0.16 U	0.46 U	0.16 U	0.16 U	0.16 U	0.46 U
75-00-3	CHLOROETHANE	ug/m3	0.093 U	0.093 U	0.26 U	0.14	0.093 U	0.093 U	0.26 U
67-66-3	CHLOROFORM	ug/m3	0.17 U	1.1	0.8	1.5	0.17 U	0.17 U	0.49 U
74-87-3	CHLOROMETHANE	ug/m3	1.3	1.2	1.6	2	1.3	1.4	0.22 J
156-59-2	CIS-1,2-DICHLOROETHYLENE	ug/m3	0.14 U	58	18	17	0.14 U	0.14 U	3.6
10061-01-5	CIS-1,3-DICHLOROPROPENE	ug/m3	0.16 U	0.16 U	0.45 U	0.16 U	0.16 U	0.16 U	0.45 U
110-82-7	CYCLOHEXANE	ug/m3	0.12 U	5.5	6.1	8.3	0.12 U	0.12 U	5.2
124-48-1	DIBROMOCHLOROMETHANE	ug/m3	0.3 U	0.3 U	0.85 U	0.3 U	0.3 U	0.3 U	0.85 U
75-71-8	DICHLORODIFLUOROMETHANE	ug/m3	1.9	1.9	4	1.9	2.1	1.9	3.1
64-17-5	ETHANOL	ug/m3	6.2 J+	1200 J+	8500 J	3000 J+	5.8 J+	6.7 J+	7 J
141-78-6	ETHYL ACETATE	ug/m3	1.2 J+	5.1 J+	5.7 J+	6.2 J+	2.1 J+	1.7 J+	1.3 J+
100-41-4	ETHYLBENZENE	ug/m3	0.15 U	2.5	2.1	12	0.15 U	0.15 U	3.7
87-68-3	HEXACHLOROBUTADIENE	ug/m3	0.37 U	0.37 U	1.1 U	0.44	0.37 U	0.37 U	1.1 U
67-63-0	ISOPROPANOL	ug/m3	4.5 J	2300 J	21000	4200	6 J	6.5 J	8 J
179601-23-1	M,P-XYLENES	ug/m3	0.49	11	9.7	43	0.42	0.41	21
78-93-3	METHYL ETHYL KETONE (2-BUTANONE)	ug/m3	2.7 J	4.1	5.1 J	3.9 J	0.79 J	1.5 J	1.5 J
108-10-1	METHYL ISOBUTYL KETONE	ug/m3	0.21	2.9	1.5	1.8	0.14 U	0.15	0.41 U
75-09-2	METHYLENE CHLORIDE	ug/m3	0.44 J	1.1 J	0.75 J	6	0.41 J	0.65 J	3.5 U
91-20-3	NAPHTHALENE	ug/m3	0.18 U	1.2	0.52 U	0.95	0.18 U	0.18 U	0.52 U
142-82-5	N-HEPTANE	ug/m3	0.29	2.7	3.3	13	0.26	0.3	11
110-54-3	N-HEXANE	ug/m3	0.38 J	12 J	50 J	27 J	0.38 J	0.4 J	7.4 J
95-47-6	O-XYLENE (1,2-DIMETHYLBENZENE)	ug/m3	0.2	3.7	3	16	0.17	0.17	7.9
115-07-1	PROPYLENE	ug/m3	2.4 U	2.4 U	6.9 U	2.4 U	2.4 U	2.4 U	6.9 U
100-42-5	STYRENE	ug/m3	0.15 U	0.15 U	0.43 U	0.22	0.15 U	0.15 U	0.43 U
75-65-0	TERT-BUTYL ALCOHOL	ug/m3	0.31 J	2.7 J+	9.5 J+	3.7 J+	0.44 U	0.27 J	1.2 U
1634-04-4	TERT-BUTYL METHYL ETHER	ug/m3	0.13 U	0.13 U	0.4	0.13 U	0.13 U	0.13 U	0.36 U
127-18-4	TETRACHLOROETHYLENE(PCE)	ug/m3	1.5	710	240	180	1.1	1.6	210
109-99-9	TETRAHYDROFURAN	ug/m3	0.1 U	0.25	0.29 U	0.15	0.1 U	0.1 U	0.29 U
108-88-3	TOLUENE	ug/m3	1	21	19	32	0.87	0.91	14
156-60-5	TRANS-1,2-DICHLOROETHENE	ug/m3	0.14 U	1	0.4 U	0.36	0.14 U	0.14 U	0.4 U
10061-02-6	TRANS-1,3-DICHLOROPROPENE	ug/m3	0.16 U	0.16 U	0.45 U	0.16 U	0.16 U	0.16 U	0.45 U
79-01-6	TRICHLOROETHYLENE (TCE)	ug/m3	0.25	130	39	59	0.23	0.35	6
75-69-4	TRICHLOROFLUOROMETHANE	ug/m3	1.3	3.2	12	3.7	1.4	1.5	3.2
108-05-4	VINYL ACETATE	ug/m3	2.5 U	2.5 U	7 U	2.5 U	2.5 U	2.5 U	7 U
75-01-4	VINYL CHLORIDE	ug/m3	0.09 U	0.86	0.34	0.36	0.09 U	0.09 U	0.26 U

					Dup of 2865E-IA-081816-01			
NYSDEC-Pine Ave Site 2016 Site Investigation Validated Air Analytical Data SDG: 16H1167		Location ID:	2865E-AA	2865E-IA	2865E-IA	2865E-IA	2865E-IA	2865E-OA
		Sample ID:	2865E-AA-081816-01	2865E-IA-081816-01	2865E-IA-081816-DUP	2865E-IA-081816-03	2865E-IA-081816-04	2865E-OA-081816-03
		Lab Sample Id:	16H1167-06	16H1167-04	16H1167-05	16H1167-03	16H1167-02	16H1167-01
		Source:	CONTEST	CONTEST	CONTEST	CONTEST	CONTEST	CONTEST
		SDG:	16H1167	16H1167	16H1167	16H1167	16H1167	16H1167
		Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
		Sampled:	8/19/2016 7:01	8/19/2016 7:01	8/19/2016 7:01	8/19/2016 7:08	8/19/2016 7:10	8/19/2016 7:01
		Validated:	10/6/2016	10/6/2016	10/6/2016	10/6/2016	10/6/2016	10/6/2016
CAS NO.	COMPOUND	UNITS:						
	VOLATILES							
71-55-6	1,1,1-TRICHLOROETHANE	ug/m3	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U
79-34-5	1,1,2,2-TETRACHLOROETHANE	ug/m3	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U
76-13-1	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/m3	0.58 J	0.63 J	0.65 J	0.66 J	0.32 J	0.65 J
79-00-5	1,1,2-TRICHLOROETHANE	ug/m3	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U
75-34-3	1,1-DICHLOROETHANE	ug/m3	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U
75-35-4	1,1-DICHLOROETHENE	ug/m3	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U
120-82-1	1,2,4-TRICHLOROBENZENE	ug/m3	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U
95-63-6	1,2,4-TRIMETHYLBENZENE	ug/m3	0.29	0.43	0.38	3.1	0.23	0.46
106-93-4	1,2-DIBROMOETHANE	ug/m3	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U
95-50-1	1,2-DICHLOROBENZENE	ug/m3	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U
107-06-2	1,2-DICHLOROETHANE	ug/m3	0.14 U	0.83	0.84	0.14 U	0.96	0.14 U
78-87-5	1,2-DICHLOROPROPANE	ug/m3	0.16 UJ	0.16 UJ	0.16 UJ	0.16 UJ	0.16 UJ	0.16 UJ
76-14-2	1,2-DICHLOROTETRAFLUOROETHANE	ug/m3	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
108-67-8	1,3,5-TRIMETHYLBENZENE (MESITYLENE)	ug/m3	0.079 J	0.1 J	0.086 J	0.71	0.055 J	0.097 J
106-99-0	1,3-BUTADIENE	ug/m3	0.078 U	0.078 U	0.078 U	0.078 U	0.078 U	0.078 U
541-73-1	1,3-DICHLOROBENZENE	ug/m3	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U
106-46-7	1,4-DICHLOROBENZENE	ug/m3	0.21 U	0.4	0.42	1.8	0.14 J	0.093 J
123-91-1	1,4-DIOXANE (P-DIOXANE)	ug/m3	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
591-78-6	2-HEXANONE	ug/m3	0.44 J	0.14 UJ	0.14 UJ	0.14 UJ	0.43 J	0.38 J
622-96-8	4-ETHYLTOLUENE	ug/m3	0.069 J	0.09 J	0.086 J	2.4	0.048 J	0.09 J
67-64-1	ACETONE	ug/m3	18	200	200	240	250	40
71-43-2	BENZENE	ug/m3	0.31	0.99	0.9	1.8	0.21	0.52
100-44-7	BENZYL CHLORIDE	ug/m3	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U
75-27-4	BROMODICHLOROMETHANE	ug/m3	0.24 U	0.36	0.37	0.24	0.24 U	0.24 U
75-25-2	BROMOFORM	ug/m3	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U
74-83-9	BROMOMETHANE	ug/m3	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U
75-15-0	CARBON DISULFIDE	ug/m3	1.1 U	0.33 J	0.33 J	0.33 J	0.24 J	0.22 J
56-23-5	CARBON TETRACHLORIDE	ug/m3	0.43	0.39	0.4	0.3	0.15 J	0.47
108-90-7	CHLOROBENZENE	ug/m3	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U
75-00-3	CHLOROETHANE	ug/m3	0.093 U	0.093 U	0.093 U	0.093 U	0.093 U	0.093 U
67-66-3	CHLOROFORM	ug/m3	0.11 J	1.3	1.3	0.84	0.9	0.12 J
74-87-3	CHLOROMETHANE	ug/m3	1.6 J+	1.8 J+	1.8 J+	2 J+	3 J+	1.4
156-59-2	CIS-1,2-DICHLOROETHYLENE	ug/m3	0.14 U	19	19	3	0.27	0.16
10061-01-5	CIS-1,3-DICHLOROPROPENE	ug/m3	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U
110-82-7	CYCLOHEXANE	ug/m3	0.12 U	2.2	2.2	2.7	0.12 U	0.29
124-48-1	DIBROMOCHLOROMETHANE	ug/m3	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
75-71-8	DICHLORODIFLUOROMETHANE	ug/m3	0.93 J	0.89 J	0.92 J	1.1 J	0.62 J	0.66 J
64-17-5	ETHANOL	ug/m3	13	1500	1500	4200	2400	240
141-78-6	ETHYL ACETATE	ug/m3	0.53	3.9	4.3	14	5.4	0.82
100-41-4	ETHYLBENZENE	ug/m3	0.18	0.25	0.29	2	0.13 J	0.23
87-68-3	HEXACHLOROBUTADIENE	ug/m3	0.37 UJ	0.37 UJ	0.37 UJ	0.37 UJ	0.37 UJ	0.37 U
67-63-0	ISOPROPANOL	ug/m3	14	3600	3600	9500	480	580
179601-23-1	M,P-XYLENES	ug/m3	0.67	0.99	1.2	8	0.55	0.89
78-93-3	METHYL ETHYL KETONE (2-BUTANONE)	ug/m3	3 J	2.6 J	2.4 J	4.1 U	4.2	3 J
108-10-1	METHYL ISOBUTYL KETONE	ug/m3	0.16	0.14 U	0.12 J	0.14 U	0.19	0.078 J
75-09-2	METHYLENE CHLORIDE	ug/m3	0.74 J	0.69 J	0.97 J	0.94 J	0.92 J	1.2 J
91-20-3	NAPHTHALENE	ug/m3	0.23 J	0.39 J	0.36 J	0.49 J	0.18 UJ	0.19 J
142-82-5	N-HEPTANE	ug/m3	0.27	0.4	0.29	1.6	0.5	0.31
110-54-3	N-HEXANE	ug/m3	0.96 J	5.8	6	16	1.2 J	1.6 J
95-47-6	O-XYLENE (1,2-DIMETHYLBENZENE)	ug/m3	0.26	0.37	0.44	2.9	0.21	0.33

				Dup of 2865E-IA-081816-01					
NYSDEC-Pine Ave Site 2016 Site Investigation Validated Air Analytical Data SDG: 16H1167		Location ID: Sample ID: Lab Sample Id: Source: SDG: Matrix: Sampled: Validated:	2865E-AA 2865E-AA-081816-01 16H1167-06 CONTEST 16H1167 SOIL 8/19/2016 7:01 10/6/2016	2865E-IA 2865E-IA-081816-01 16H1167-04 CONTEST 16H1167 SOIL 8/19/2016 7:01 10/6/2016	2865E-IA 2865E-IA-081816-DUP 16H1167-05 CONTEST 16H1167 SOIL 8/19/2016 7:01 10/6/2016	2865E-IA 2865E-IA-081816-03 16H1167-03 CONTEST 16H1167 SOIL 8/19/2016 7:08 10/6/2016	2865E-IA 2865E-IA-081816-04 16H1167-02 CONTEST 16H1167 SOIL 8/19/2016 7:10 10/6/2016	2865E-OA 2865E-OA-081816-03 16H1167-01 CONTEST 16H1167 SOIL 8/19/2016 7:01 10/6/2016	
CAS NO.	COMPOUND	UNITS:							
115-07-1	PROPYLENE	ug/m3	2.4 UJ	2.4 UJ	2.4 UJ	2.4 UJ	2.4 UJ	2.4 UJ	
100-42-5	STYRENE	ug/m3	0.045 J	0.15 UJ	0.15 UJ	0.09 J	0.054 J	0.039 J	
75-65-0	TERT-BUTYL ALCOHOL	ug/m3	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	
1634-04-4	TERT-BUTYL METHYL ETHER	ug/m3	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	
127-18-4	TETRACHLOROETHYLENE(PCE)	ug/m3	2.4	61	58	18	1.1	2.1	
109-99-9	TETRAHYDROFURAN	ug/m3	0.1 U	0.69	0.59	0.1 U	0.78	0.1 U	
108-88-3	TOLUENE	ug/m3	1.6	2.4	3.5	10	1.4	1.9	
156-60-5	TRANS-1,2-DICHLOROETHENE	ug/m3	0.14 U	0.35	0.32	0.14 U	0.14 U	0.14 U	
10061-02-6	TRANS-1,3-DICHLOROPROPENE	ug/m3	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	
79-01-6	TRICHLOROETHYLENE (TCE)	ug/m3	0.11 J	11	11	1.8	19	0.12 J	
75-69-4	TRICHLOROFLUOROMETHANE	ug/m3	1.3	6.2	6	8.6	1.9	1.5	
108-05-4	VINYL ACETATE	ug/m3	2.5 UJ	2.5 UJ	2.5 UJ	2.5 UJ	2.5 UJ	2.5 UJ	
75-01-4	VINYL CHLORIDE	ug/m3	0.09 U	0.16	0.17	0.09 U	0.09 U	0.09 U	

				Dup of 2865E-IA-111716-04		
NYSDEC-Pine Ave Site 2016 Site Investigation Validated Air Analytical Data SDG: 16K1135		Location ID: Sample ID: Lab Sample Id: Source: SDG: Matrix: Sampled: Validated:	2865E-IA 2865E-IA-111716-04 16K1135-04 CONTEST 16K1135 SOIL VAPOR 11/18/2016 9:32 12/16/2016	2865E-IA 2865E-IA-111716-DUP 16K1135-07 CONTEST 16K1135 SOIL VAPOR 11/18/2016 9:27 12/16/2016	2865E-IA 2865E-IA-111716-05 16K1135-01 CONTEST 16K1135 SOIL VAPOR 11/18/2016 9:33 12/16/2016	2865E-IA 2865E-IA-111716-06 16K1135-02 CONTEST 16K1135 SOIL VAPOR 11/18/2016 9:34 12/16/2016
CAS NO.	COMPOUND	UNITS:				
	VOLATILES					
71-55-6	1,1,1-TRICHLOROETHANE	ug/m3	0.11 J	0.36 J	0.25	0.37
79-34-5	1,1,2,2-TETRACHLOROETHANE	ug/m3	0.24 U	0.24 U	0.24 U	0.24 U
76-13-1	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/m3	0.55 J	0.42 J	0.86 J	0.9 J
79-00-5	1,1,2-TRICHLOROETHANE	ug/m3	0.19 U	0.19 U	0.19 U	0.19 U
75-34-3	1,1-DICHLOROETHANE	ug/m3	0.14 U	0.14 U	0.068 J	0.14 U
75-35-4	1,1-DICHLOROETHENE	ug/m3	0.15 J	0.36 J	0.14 U	0.18
120-82-1	1,2,4-TRICHLOROBENZENE	ug/m3	0.26 U	0.26 U	0.26 U	0.26 U
95-63-6	1,2,4-TRIMETHYLBENZENE	ug/m3	4.9 J	0.31 J	1	0.21
106-93-4	1,2-DIBROMOETHANE	ug/m3	0.27 U	0.27 U	0.27 U	0.27 U
95-50-1	1,2-DICHLOROBENZENE	ug/m3	0.21 U	0.21 U	0.21 U	0.21 U
107-06-2	1,2-DICHLOROETHANE	ug/m3	0.42 J	0.17 J	2.1	1.7
78-87-5	1,2-DICHLOROPROPANE	ug/m3	0.16 U	0.16 U	0.062 J	0.16 U
76-14-2	1,2-DICHLOROTETRAFLUOROETHANE	ug/m3	0.25 U	0.25 U	0.25 U	0.25 U
108-67-8	1,3,5-TRIMETHYLBENZENE	ug/m3	1.1 J	0.079 J	0.21	0.17 U
106-99-0	1,3-BUTADIENE	ug/m3	0.43 J	0.27 J	1.4 J	1.4 J
541-73-1	1,3-DICHLOROBENZENE	ug/m3	0.21 U	0.21 U	0.21 U	0.21 U
106-46-7	1,4-DICHLOROBENZENE	ug/m3	0.71 J	0.36 J	0.6	0.21 U
123-91-1	1,4-DIOXANE (P-DIOXANE)	ug/m3	1.3 U	1.3 U	1.3 U	1.3 U
591-78-6	2-HEXANONE	ug/m3	1.2 J	0.14 U	0.14 U	0.14 U
622-96-8	4-ETHYLTOLUENE	ug/m3	1.1 J	0.076 J	0.22	0.17 U
67-64-1	ACETONE	ug/m3	210 J	210 J	370	180
71-43-2	BENZENE	ug/m3	3.9 J	1.1 J	1.5	0.41
100-44-7	BENZYL CHLORIDE	ug/m3	0.18 U	0.18 U	0.18 U	0.18 U
75-27-4	BROMODICHLOROMETHANE	ug/m3	0.46 J	0.34 J	0.67	0.37
75-25-2	BROMOFORM	ug/m3	0.36 U	0.36 U	0.36 U	0.36 U
74-83-9	BROMOMETHANE	ug/m3	0.14 U	0.14 U	0.14 U	0.14 U
75-15-0	CARBON DISULFIDE	ug/m3	0.42 J	0.26 J	0.87 J	0.97 J
56-23-5	CARBON TETRACHLORIDE	ug/m3	0.38 J	0.3 J	0.56	0.48
108-90-7	CHLOROBENZENE	ug/m3	0.16 U	0.16 U	0.16 U	0.16 U
75-00-3	CHLOROETHANE	ug/m3	0.093 U	0.093 U	0.093 U	0.093 U
67-66-3	CHLOROFORM	ug/m3	0.94 J	0.92 J	2	1.9
74-87-3	CHLOROMETHANE	ug/m3	2 J	1.5 J	4 J	2.7 J
156-59-2	CIS-1,2-DICHLOROETHYLENE	ug/m3	8 J	16 J	3.9	2.9
10061-01-5	CIS-1,3-DICHLOROPROPENE	ug/m3	0.16 U	0.16 U	0.16 U	0.16 U
110-82-7	CYCLOHEXANE	ug/m3	1.7 J	0.67 J	1.1	0.85
124-48-1	DIBROMOCHLOROMETHANE	ug/m3	0.3 U	0.3 U	0.11 J	0.3 U
75-71-8	DICHLORODIFLUOROMETHANE	ug/m3	0.86 J	0.72 J	0.77	0.77
64-17-5	ETHANOL	ug/m3	3600 J	950 J	12000	7700
141-78-6	ETHYL ACETATE	ug/m3	4.6 J	1.5 J	47	7.8
100-41-4	ETHYLBENZENE	ug/m3	3 J	0.26 J	0.97	0.16
87-68-3	HEXACHLOROBUTADIENE	ug/m3	0.37 U	0.37 U	0.37 U	0.37 U
67-63-0	ISOPROPANOL	ug/m3	3700 J	2000 J	3500	2500
179601-23-1	M,P-XYLENES	ug/m3	12 J	0.95 J	2.7	0.6
78-93-3	METHYL ETHYL KETONE (2-BUTANONE)	ug/m3	2.7 J	2.4 J	2.1 J	1.9 J
108-10-1	METHYL ISOBUTYL KETONE	ug/m3	0.14 U	0.14 U	0.42	0.14 U
75-09-2	METHYLENE CHLORIDE	ug/m3	1 J	0.66 J	0.73 J	0.98 J
91-20-3	NAPHTHALENE	ug/m3	1.7 J	0.17 J	0.9	0.36
142-82-5	N-HEPTANE	ug/m3	2.7 J	0.32 J	0.7	0.27
110-54-3	N-HEXANE	ug/m3	23 J	5.1 J	8.8	2.9 J
95-47-6	O-XYLENE	ug/m3	4.4 J	0.34 J	1	0.25
115-07-1	PROPYLENE	ug/m3	2.4 UJ	2.4 UJ	2.4 UJ	2.4 UJ
100-42-5	STYRENE	ug/m3	0.27 J	0.087 J	0.42	0.15 U
75-65-0	TERT-BUTYL ALCOHOL	ug/m3	1.5 J	1 J	3.3	1.9
1634-04-4	TERT-BUTYL METHYL ETHER	ug/m3	0.13 U	0.12 J	0.13 U	0.13 U
127-18-4	TETRACHLOROETHYLENE(PCE)	ug/m3	38 J	46 J	21	4.3
109-99-9	TETRAHYDROFURAN	ug/m3	0.46 J	0.18 J	1.2	1.3
108-88-3	TOLUENE	ug/m3	19 J	2.5 J	8.4	2.9
156-60-5	TRANS-1,2-DICHLOROETHENE	ug/m3	0.17 J	0.33 J	0.086 J	0.14 U
10061-02-6	TRANS-1,3-DICHLOROPROPENE	ug/m3	0.16 U	0.16 U	0.16 U	0.16 U
79-01-6	TRICHLOROETHYLENE (TCE)	ug/m3	8.2 J	11 J	10	4.5
75-69-4	TRICHLOROFLUOROMETHANE	ug/m3	3.6 J	2.9 J	4.1	4
108-05-4	VINYL ACETATE	ug/m3	2.5 U	2.5 U	2.5 U	2.5 U
75-01-4	VINYL CHLORIDE	ug/m3	1.5 J	2.6 J	1.3	1.2

NYSDEC-Pine Ave Site 2016 Site Investigation Validated Air Analytical Data SDG: 16K1135		Location ID: Sample ID: Lab Sample Id: Source: SDG: Matrix: Sampled: Validated:	2865E-IA 2865E-IA-111716-07 16K1135-05 CONTEST 16K1135 SOIL VAPOR 11/18/2016 9:34 12/16/2016	2865E-IA 2865E-IA-111716-08 16K1135-03 CONTEST 16K1135 SOIL VAPOR 11/18/2016 9:34 12/16/2016	2865E-OA 2865E-OA-111716-02 16K1135-06 CONTEST 16K1135 SOIL VAPOR 11/18/2016 9:35 12/16/2016
CAS NO.	COMPOUND	UNITS:			
	VOLATILES				
71-55-6	1,1,1-TRICHLOROETHANE	ug/m3	0.35	0.32	0.11 J
79-34-5	1,1,2,2-TETRACHLOROETHANE	ug/m3	0.24 U	0.24 U	0.24 U
76-13-1	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/m3	0.83 J	0.86 J	0.62 J
79-00-5	1,1,2-TRICHLOROETHANE	ug/m3	0.19 U	0.19 U	0.19 U
75-34-3	1,1-DICHLOROETHANE	ug/m3	0.11 J	0.11 J	0.14 U
75-35-4	1,1-DICHLOROETHENE	ug/m3	0.18	0.2	0.05 J
120-82-1	1,2,4-TRICHLOROBENZENE	ug/m3	0.26 U	0.26 U	0.26 U
95-63-6	1,2,4-TRIMETHYLBENZENE	ug/m3	0.6	0.71	0.56
106-93-4	1,2-DIBROMOETHANE	ug/m3	0.27 U	0.27 U	0.27 U
95-50-1	1,2-DICHLOROBENZENE	ug/m3	0.21 U	0.21 U	0.21 U
107-06-2	1,2-DICHLOROETHANE	ug/m3	2.1	2.7	0.043 J
78-87-5	1,2-DICHLOROPROPANE	ug/m3	0.16 U	0.16 U	0.16 U
76-14-2	1,2-DICHLOROTETRAFLUOROETHANE	ug/m3	0.25 U	0.25 U	0.25 U
108-67-8	1,3,5-TRIMETHYLBENZENE	ug/m3	0.13 J	0.15 J	0.16 J
106-99-0	1,3-BUTADIENE	ug/m3	1.3 J	1.3 J	0.2 J
541-73-1	1,3-DICHLOROBENZENE	ug/m3	0.21 U	0.21 U	0.21 U
106-46-7	1,4-DICHLOROBENZENE	ug/m3	0.42	0.5	0.21 U
123-91-1	1,4-DIOXANE (P-DIOXANE)	ug/m3	1.3 U	1.3 U	1.3 U
591-78-6	2-HEXANONE	ug/m3	0.71	0.14 U	0.5
622-96-8	4-ETHYLTOLUENE	ug/m3	0.14 J	0.16 J	0.13 J
67-64-1	ACETONE	ug/m3	240	250	21
71-43-2	BENZENE	ug/m3	1	1.2	1.1
100-44-7	BENZYL CHLORIDE	ug/m3	0.18 U	0.18 U	0.18 U
75-27-4	BROMODICHLOROMETHANE	ug/m3	0.53	0.52	0.24 U
75-25-2	BROMOFORM	ug/m3	0.36 U	0.36 U	0.36 U
74-83-9	BROMOMETHANE	ug/m3	0.14 U	0.14 U	0.14 U
75-15-0	CARBON DISULFIDE	ug/m3	0.85 J	0.89 J	0.24 J
56-23-5	CARBON TETRACHLORIDE	ug/m3	0.5	0.5	0.47
108-90-7	CHLOROBENZENE	ug/m3	0.16 U	0.16 U	0.16 U
75-00-3	CHLOROETHANE	ug/m3	0.085 J	0.076 J	0.093 U
67-66-3	CHLOROFORM	ug/m3	1.8	1.8	0.17
74-87-3	CHLOROMETHANE	ug/m3	2.9 J	3.4 J	1.6 J
156-59-2	CIS-1,2-DICHLOROETHYLENE	ug/m3	3.6	3.6	0.15
10061-01-5	CIS-1,3-DICHLOROPROPENE	ug/m3	0.16 U	0.16 U	0.16 U
110-82-7	CYCLOHEXANE	ug/m3	1	1	0.12 U
124-48-1	DIBROMOCHLOROMETHANE	ug/m3	0.3 U	0.3 U	0.3 U
75-71-8	DICHLORODIFLUOROMETHANE	ug/m3	0.75	0.84	0.88
64-17-5	ETHANOL	ug/m3	8400	8800	27
141-78-6	ETHYL ACETATE	ug/m3	11	11	0.49
100-41-4	ETHYLBENZENE	ug/m3	0.44	0.52	0.42
87-68-3	HEXACHLOROBUTADIENE	ug/m3	0.37 U	0.37 U	0.37 U
67-63-0	ISOPROPANOL	ug/m3	3200	3500	18
179601-23-1	M,P-XYLENES	ug/m3	1.6	1.8	1.6
78-93-3	METHYL ETHYL KETONE (2-BUTANONE)	ug/m3	4.5	3 J	2.7 J
108-10-1	METHYL ISOBUTYL KETONE	ug/m3	0.85	0.73	0.14 U
75-09-2	METHYLENE CHLORIDE	ug/m3	0.98 J	0.72 J	0.79 J
91-20-3	NAPHTHALENE	ug/m3	1.2	1.9	0.19
142-82-5	N-HEPTANE	ug/m3	0.57	0.67	0.67
110-54-3	N-HEXANE	ug/m3	7.3	8.5	1.3 J
95-47-6	O-XYLENE	ug/m3	0.63	0.69	0.66
115-07-1	PROPYLENE	ug/m3	2.4 UJ	2.4 UJ	2.4 UJ
100-42-5	STYRENE	ug/m3	0.21	0.26	0.12 J
75-65-0	TERT-BUTYL ALCOHOL	ug/m3	3	3.1	0.45
1634-04-4	TERT-BUTYL METHYL ETHER	ug/m3	0.13 U	0.13 U	0.13 U
127-18-4	TETRACHLOROETHYLENE(PCE)	ug/m3	14	15	0.59
109-99-9	TETRAHYDROFURAN	ug/m3	0.94	0.91	0.1 U
108-88-3	TOLUENE	ug/m3	6.5	7.5	3.6
156-60-5	TRANS-1,2-DICHLOROETHENE	ug/m3	0.1 J	0.086 J	0.14 U
10061-02-6	TRANS-1,3-DICHLOROPROPENE	ug/m3	0.16 U	0.16 U	0.16 U
79-01-6	TRICHLOROETHYLENE (TCE)	ug/m3	7	6.7	0.22
75-69-4	TRICHLOROFLUOROMETHANE	ug/m3	4	4	1.3
108-05-4	VINYL ACETATE	ug/m3	2.5 U	2.5 U	2.5 U
75-01-4	VINYL CHLORIDE	ug/m3	1.2	1.2	0.056 J

NYSDEC-Pine Ave Site 2016 Site Investigation Validated Air Analytical Data SDG: 16K1185		Location ID: Sample ID: Lab Sample Id: Source: SDG: Matrix: Sampled: Validated:	2865E-AA 2865E-AA-111716-01 16K1185-03 CONTEST 16K1185 SOIL VAPOR 11/18/2016 9:30 12/16/2016	2865E-IA 2865E-IA-111716-01 16K1185-04 CONTEST 16K1185 SOIL VAPOR 11/18/2016 9:27 12/16/2016	2865E-IA 2865E-IA-111716-03 16K1185-02 CONTEST 16K1185 SOIL VAPOR 11/18/2016 9:27 12/16/2016	2865E-OA 2865E-OA-111716-03 16K1185-01 CONTEST 16K1185 SOIL VAPOR 11/18/2016 9:29 12/16/2016
CAS NO.	COMPOUND	UNITS:				
	VOLATILES					
71-55-6	1,1,1-TRICHLOROETHANE	ug/m3	0.37	0.46	0.48	0.29
79-34-5	1,1,2,2-TETRACHLOROETHANE	ug/m3	0.24 U	0.24 U	0.24 U	0.24 U
76-13-1	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/m3	0.57 J	0.48 J	0.47 J	0.62 J
79-00-5	1,1,2-TRICHLOROETHANE	ug/m3	0.19 U	0.19 U	0.19 U	0.19 U
75-34-3	1,1-DICHLOROETHANE	ug/m3	0.11 J	0.14 U	0.17	0.1 J
75-35-4	1,1-DICHLOROETHENE	ug/m3	0.19	0.39	0.32	0.16
120-82-1	1,2,4-TRICHLOROBENZENE	ug/m3	0.26 U	0.26 U	0.26 U	0.26 U
95-63-6	1,2,4-TRIMETHYLBENZENE	ug/m3	0.57	0.33	1.2	0.53
106-93-4	1,2-DIBROMOETHANE	ug/m3	0.27 U	0.27 U	0.27 U	0.27 U
95-50-1	1,2-DICHLOROBENZENE	ug/m3	0.21 U	0.21 U	0.21 U	0.21 U
107-06-2	1,2-DICHLOROETHANE	ug/m3	0.14 U	0.17	0.16	0.14 U
78-87-5	1,2-DICHLOROPROPANE	ug/m3	0.16 U	0.16 U	0.16 U	0.16 U
76-14-2	1,2-DICHLOROTETRAFLUOROETHANE	ug/m3	0.25 U	0.25 U	0.25 U	0.25 U
108-67-8	1,3,5-TRIMETHYLBENZENE	ug/m3	0.16 J	0.086 J	0.28	0.16 J
106-99-0	1,3-BUTADIENE	ug/m3	0.23 J	0.28 J	0.29 J	0.38 J
541-73-1	1,3-DICHLOROBENZENE	ug/m3	0.21 U	0.21 U	0.21 U	0.21 U
106-46-7	1,4-DICHLOROBENZENE	ug/m3	0.21 U	0.39	0.5	0.21 U
123-91-1	1,4-DIOXANE (P-DIOXANE)	ug/m3	1.3 U	1.3 U	1.3 U	1.3 U
591-78-6	2-HEXANONE	ug/m3	0.68	0.14 U	0.14 U	0.14 U
622-96-8	4-ETHYLTOLUENE	ug/m3	0.14 J	0.079 J	0.27	0.13 J
67-64-1	ACETONE	ug/m3	29	150	250	15
71-43-2	BENZENE	ug/m3	1.2	1	2.6	1.1
100-44-7	BENZYL CHLORIDE	ug/m3	0.18 U	0.18 U	0.18 U	0.18 U
75-27-4	BROMODICHLOROMETHANE	ug/m3	0.24 U	0.094 J	0.24 U	0.24 U
75-25-2	BROMOFORM	ug/m3	0.36 U	0.36 U	0.36 U	0.36 U
74-83-9	BROMOMETHANE	ug/m3	0.14 U	0.14 U	0.14 U	0.14 U
75-15-0	CARBON DISULFIDE	ug/m3	0.38 J	0.3 J	0.39 J	0.57 J
56-23-5	CARBON TETRACHLORIDE	ug/m3	0.49	0.25	0.32	0.47
108-90-7	CHLOROBENZENE	ug/m3	0.16 U	0.16 U	0.16 U	0.16 U
75-00-3	CHLOROETHANE	ug/m3	0.093 U	0.093 U	0.093 U	0.093 U
67-66-3	CHLOROFORM	ug/m3	0.19	0.9	0.77	0.17 J
74-87-3	CHLOROMETHANE	ug/m3	1.4 J	1.5 J	1.6 J	1.5 J
156-59-2	CIS-1,2-DICHLOROETHYLENE	ug/m3	0.16	16	6.1	0.14
10061-01-5	CIS-1,3-DICHLOROPROPENE	ug/m3	0.16 U	0.16 U	0.16 U	0.16 U
110-82-7	CYCLOHEXANE	ug/m3	0.12 U	0.69	1.8	0.12 U
124-48-1	DIBROMOCHLOROMETHANE	ug/m3	0.3 U	0.3 U	0.3 U	0.3 U
75-71-8	DICHLORODIFLUOROMETHANE	ug/m3	0.74	0.8	0.76	0.7
64-17-5	ETHANOL	ug/m3	21	1000	5700	18
141-78-6	ETHYL ACETATE	ug/m3	0.4	1.5	9.4	0.35
100-41-4	ETHYLBENZENE	ug/m3	0.43	0.26	0.77	0.38
87-68-3	HEXACHLOROBUTADIENE	ug/m3	0.37 U	0.37 U	0.37 U	0.37 U
67-63-0	ISOPROPANOL	ug/m3	12	2100	12000	14
179601-23-1	M,P-XYLENES	ug/m3	1.6	0.89	3.2	1.5
78-93-3	METHYL ETHYL KETONE (2-BUTANONE)	ug/m3	3.7 J	0.75 J	2 J	1.5 J
108-10-1	METHYL ISOBUTYL KETONE	ug/m3	0.23	0.14 U	0.14 U	0.14 U
75-09-2	METHYLENE CHLORIDE	ug/m3	0.96 J	0.66 J	0.88 J	0.7 J
91-20-3	NAPHTHALENE	ug/m3	0.24	0.21	0.26	0.19
142-82-5	N-HEPTANE	ug/m3	0.68	0.3	1.2	0.82
110-54-3	N-HEXANE	ug/m3	1.3 J	4.9 J	36	1.6 J
95-47-6	O-XYLENE	ug/m3	0.68	0.34	1.2	0.62
115-07-1	PROPYLENE	ug/m3	2.4 UJ	2.4 UJ	2.4 UJ	2.4 UJ
100-42-5	STYRENE	ug/m3	0.12 J	0.093 J	0.072 J	0.11 J
75-65-0	TERT-BUTYL ALCOHOL	ug/m3	1.1	0.66	2.2	0.44 U
1634-04-4	TERT-BUTYL METHYL ETHER	ug/m3	0.13 U	0.13 U	0.13 U	0.081 J
127-18-4	TETRACHLOROETHYLENE(PCE)	ug/m3	0.64	46	45	0.9
109-99-9	TETRAHYDROFURAN	ug/m3	0.1 U	0.1 U	0.14	0.1 U
108-88-3	TOLUENE	ug/m3	4	2.3	7.9	3.6
156-60-5	TRANS-1,2-DICHLOROETHENE	ug/m3	0.14 U	0.32	0.14	0.14 U
10061-02-6	TRANS-1,3-DICHLOROPROPENE	ug/m3	0.16 U	0.16 U	0.16 U	0.16 U
79-01-6	TRICHLOROETHYLENE (TCE)	ug/m3	0.25	10	3.9	0.22
75-69-4	TRICHLOROFLUOROMETHANE	ug/m3	1.2	2.9	6.6	1.3
108-05-4	VINYL ACETATE	ug/m3	2.5 U	2.5 U	2.5 U	2.5 U
75-01-4	VINYL CHLORIDE	ug/m3	0.072 J	2.4	1.3	0.09

						Dup of 2859E-IA-032117-02
NYSDEC-Pine Ave Site 2017 Site Investigation Validated Air Analytical Data SDG: 17C0975		Location ID: Sample ID: Lab Sample Id: Source: SDG: Matrix: Sampled: Validated:	2859E-IA 2859E-IA-032117-01 17C0975-03 CONTEST 17C0975 AIR 3/22/2017 10:02 5/8/2017	2859E-IA 2859E-IA-032117-02 17C0975-01 CONTEST 17C0975 AIR 3/22/2017 10:07 5/8/2017	2859E-IA 2859E-IA-032117-DUP 17C0975-02 CONTEST 17C0975 AIR 3/22/2017 10:07 5/8/2017	
CAS NO.	COMPOUND	UNITS:				
	VOLATILES					
71-55-6	1,1,1-TRICHLOROETHANE	ug/m3	0.19 U	0.19 U	0.19 U	
79-34-5	1,1,2,2-TETRACHLOROETHANE	ug/m3	0.24 U	0.24 U	0.24 U	
76-13-1	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/m3	0.54 J	0.52 J	0.57 J	
79-00-5	1,1,2-TRICHLOROETHANE	ug/m3	0.19 U	0.19 U	0.19 U	
75-34-3	1,1-DICHLOROETHANE	ug/m3	0.14 U	0.14 U	0.14 U	
75-35-4	1,1-DICHLOROETHENE	ug/m3	0.14 U	0.14 U	0.14 U	
120-82-1	1,2,4-TRICHLOROBENZENE	ug/m3	0.26 U	0.26 U	0.26 U	
95-63-6	1,2,4-TRIMETHYLBENZENE	ug/m3	0.34	0.37	0.42	
106-93-4	1,2-DIBROMOETHANE	ug/m3	0.27 U	0.27 U	0.27 U	
95-50-1	1,2-DICHLOROBENZENE	ug/m3	0.21 U	0.21 U	0.21 U	
107-06-2	1,2-DICHLOROETHANE	ug/m3	0.14 U	0.14 U	0.14 U	
78-87-5	1,2-DICHLOROPROPANE	ug/m3	0.16 U	0.16 U	0.16 U	
76-14-2	1,2-DICHLOROTETRAFLUOROETHANE	ug/m3	0.25 U	0.25 U	0.25 U	
108-67-8	1,3,5-TRIMETHYLBENZENE (MESITYLENE)	ug/m3	0.17 U	0.12 J	0.13 J	
106-99-0	1,3-BUTADIENE	ug/m3	0.3	0.61	0.6	
541-73-1	1,3-DICHLOROBENZENE	ug/m3	0.21 U	0.21 U	0.21 U	
106-46-7	1,4-DICHLOROBENZENE	ug/m3	0.21 U	0.21 U	0.21 U	
123-91-1	1,4-DIOXANE (P-DIOXANE)	ug/m3	1.3 U	1.3 U	1.3 U	
591-78-6	2-HEXANONE	ug/m3	0.53	0.14 UJ	0.64 J	
622-96-8	4-ETHYLTOLUENE	ug/m3	0.17 U	0.12 J	0.11 J	
67-64-1	ACETONE	ug/m3	19	21	25	
71-43-2	BENZENE	ug/m3	0.68	0.99	1	
100-44-7	BENZYL CHLORIDE	ug/m3	0.18 U	0.18 U	0.18 U	
75-27-4	BROMODICHLOROMETHANE	ug/m3	0.24 U	0.24 U	0.24 U	
75-25-2	BROMOFORM	ug/m3	0.36 U	0.36 U	0.36 U	
74-83-9	BROMOMETHANE	ug/m3	0.14 U	0.14 U	0.14 U	
75-15-0	CARBON DISULFIDE	ug/m3	0.068 J	0.29 J	0.14 J	
56-23-5	CARBON TETRACHLORIDE	ug/m3	0.42	0.43	0.44	
108-90-7	CHLOROBENZENE	ug/m3	0.16 U	0.16 U	0.16 U	
75-00-3	CHLOROETHANE	ug/m3	0.093 U	0.093 U	0.093 U	
67-66-3	CHLOROFORM	ug/m3	0.73	2.8	2.8	
74-87-3	CHLOROMETHANE	ug/m3	1.2	1.4	1.4	
156-59-2	CIS-1,2-DICHLOROETHYLENE	ug/m3	0.14 U	0.14 U	0.14 U	
10061-01-5	CIS-1,3-DICHLOROPROPENE	ug/m3	0.16 U	0.16 U	0.16 U	
110-82-7	CYCLOHEXANE	ug/m3	0.12 U	0.36 J	0.12 UJ	
124-48-1	DIBROMOCHLOROMETHANE	ug/m3	0.3 U	0.3 U	0.3 U	
75-71-8	DICHLORODIFLUOROMETHANE	ug/m3	0.79	0.88	0.91	
64-17-5	ETHANOL	ug/m3	150	180	190	
141-78-6	ETHYL ACETATE	ug/m3	0.8	2.3	2.4	
100-41-4	ETHYLBENZENE	ug/m3	0.21	0.31	0.32	
87-68-3	HEXACHLOROBUTADIENE	ug/m3	0.37 U	0.37 U	0.37 U	
67-63-0	ISOPROPANOL	ug/m3	4.5	8.5	9.2	
179601-23-1	M,P-XYLENES	ug/m3	0.64	1	1	
78-93-3	METHYL ETHYL KETONE (2-BUTANONE)	ug/m3	2.7 J	1.8 J	2.9 J	
108-10-1	METHYL ISOBUTYL KETONE	ug/m3	0.13 J	0.14 U	0.14 J	
75-09-2	METHYLENE CHLORIDE	ug/m3	0.5 J	1.7	1.9	
91-20-3	NAPHTHALENE	ug/m3	0.19	0.17 J	0.18 J	
142-82-5	N-HEPTANE	ug/m3	0.24	0.29	0.27	
110-54-3	N-HEXANE	ug/m3	0.51 J	2.5 J	5.4	
95-47-6	O-XYLENE	ug/m3	0.25	0.34	0.35	
115-07-1	PROPYLENE	ug/m3	2.4 U	2.4 UJ	3.9 J	
100-42-5	STYRENE	ug/m3	0.12 J	0.15 J	0.14 J	
75-65-0	TERT-BUTYL ALCOHOL	ug/m3	0.44 U	0.44 U	0.44 U	
1634-04-4	TERT-BUTYL METHYL ETHER	ug/m3	0.13 U	0.13 U	0.13 U	
127-18-4	TETRACHLOROETHYLENE(PCE)	ug/m3	120	24	23	
109-99-9	TETRAHYDROFURAN	ug/m3	0.1 U	0.1 U	0.1 U	
108-88-3	TOLUENE	ug/m3	2.7	4.4	3.6	
156-60-5	TRANS-1,2-DICHLOROETHENE	ug/m3	0.14 U	0.14 U	0.14 U	
10061-02-6	TRANS-1,3-DICHLOROPROPENE	ug/m3	0.16 U	0.16 U	0.16 U	
79-01-6	TRICHLOROETHYLENE (TCE)	ug/m3	8	39	39	
75-69-4	TRICHLOROFLUOROMETHANE	ug/m3	2.7	8	7.9	
108-05-4	VINYL ACETATE	ug/m3	2.5 U	2.5 U	2.5 U	
75-01-4	VINYL CHLORIDE	ug/m3	0.09 U	0.09 U	0.09 U	

NYSDEC-Pine Ave Site 2017 Site Investigation Validated Air Analytical Data SDG: 17C0975		Location ID: Sample ID: Lab Sample Id: Source: SDG: Matrix: Sampled: Validated:	2935E-AA 2935E-AA-032117-01 17C0975-09 CONTEST 17C0975 AIR 3/22/2017 10:00 5/8/2017	2935E-IA 2935E-IA-032117-01 17C0975-08 CONTEST 17C0975 AIR 3/22/2017 9:40 5/8/2017	2935E-IA 2935E-IA-032117-02 17C0975-07 CONTEST 17C0975 AIR 3/22/2017 9:45 5/8/2017
CAS NO.	COMPOUND	UNITS:			
	VOLATILES				
71-55-6	1,1,1-TRICHLOROETHANE	ug/m3	0.19 U	0.19 U	0.19 U
79-34-5	1,1,2,2-TETRACHLOROETHANE	ug/m3	0.24 U	0.24 U	0.24 U
76-13-1	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/m3	0.58 J	0.57 J	0.58 J
79-00-5	1,1,2-TRICHLOROETHANE	ug/m3	0.19 U	0.19 U	0.19 U
75-34-3	1,1-DICHLOROETHANE	ug/m3	0.14 U	0.14 U	0.14 U
75-35-4	1,1-DICHLOROETHENE	ug/m3	0.14 U	0.14 U	0.14 U
120-82-1	1,2,4-TRICHLOROBENZENE	ug/m3	0.26 U	0.26 U	0.26 U
95-63-6	1,2,4-TRIMETHYLBENZENE	ug/m3	0.17 U	0.86	0.58
106-93-4	1,2-DIBROMOETHANE	ug/m3	0.27 U	0.27 U	0.27 U
95-50-1	1,2-DICHLOROBENZENE	ug/m3	0.21 U	0.21 U	0.21 U
107-06-2	1,2-DICHLOROETHANE	ug/m3	0.14 U	0.14 U	0.14 U
78-87-5	1,2-DICHLOROPROPANE	ug/m3	0.16 U	0.16 U	0.16 U
76-14-2	1,2-DICHLOROTETRAFLUOROETHANE	ug/m3	0.25 U	0.25 U	0.25 U
108-67-8	1,3,5-TRIMETHYLBENZENE (MESITYLENE)	ug/m3	0.17 U	0.24	0.16 J
106-99-0	1,3-BUTADIENE	ug/m3	0.078 U	1.5	2.1
541-73-1	1,3-DICHLOROBENZENE	ug/m3	0.21 U	0.21 U	0.21 U
106-46-7	1,4-DICHLOROBENZENE	ug/m3	0.21 U	0.21 U	0.21 U
123-91-1	1,4-DIOXANE (P-DIOXANE)	ug/m3	1.3 U	1.3 U	1.3 U
591-78-6	2-HEXANONE	ug/m3	0.26	0.46	0.37
622-96-8	4-ETHYLTOLUENE	ug/m3	0.17 U	0.22	0.2
67-64-1	ACETONE	ug/m3	7.7	26	36
71-43-2	BENZENE	ug/m3	0.4	3	2.6
100-44-7	BENZYL CHLORIDE	ug/m3	0.18 U	0.18 U	0.18 U
75-27-4	BROMODICHLOROMETHANE	ug/m3	0.24 U	0.24 U	0.24 U
75-25-2	BROMOFORM	ug/m3	0.36 U	0.36 U	0.36 U
74-83-9	BROMOMETHANE	ug/m3	0.14 U	0.14 U	0.14 U
75-15-0	CARBON DISULFIDE	ug/m3	1.1 U	1.1 U	1.1 U
56-23-5	CARBON TETRACHLORIDE	ug/m3	0.42	0.45	0.43
108-90-7	CHLOROBENZENE	ug/m3	0.16 U	0.16 U	0.16 U
75-00-3	CHLOROETHANE	ug/m3	0.093 U	0.093 U	0.093 U
67-66-3	CHLOROFORM	ug/m3	0.17 U	0.21	0.19
74-87-3	CHLOROMETHANE	ug/m3	1.1	2.5	3.3
156-59-2	CIS-1,2-DICHLOROETHYLENE	ug/m3	0.14 U	0.14 U	0.14 U
10061-01-5	CIS-1,3-DICHLOROPROPENE	ug/m3	0.16 U	0.16 U	0.16 U
110-82-7	CYCLOHEXANE	ug/m3	0.12 U	0.12 U	0.12 U
124-48-1	DIBROMOCHLOROMETHANE	ug/m3	0.3 U	0.3 U	0.3 U
75-71-8	DICHLORODIFLUOROMETHANE	ug/m3	1.2	0.84	0.8
64-17-5	ETHANOL	ug/m3	3.9	180	160
141-78-6	ETHYL ACETATE	ug/m3	0.23	1.5	1.3
100-41-4	ETHYLBENZENE	ug/m3	0.15 U	0.76	0.66
87-68-3	HEXACHLOROBUTADIENE	ug/m3	0.37 U	0.37 U	0.37 U
67-63-0	ISOPROPANOL	ug/m3	0.42 J	1.3 J	1.1 J
179601-23-1	M,P-XYLENES	ug/m3	0.25 J	3.1	2.7
78-93-3	METHYL ETHYL KETONE (2-BUTANONE)	ug/m3	1.4 J	3.2 J	3.7 J
108-10-1	METHYL ISOBUTYL KETONE	ug/m3	0.14 U	0.19	0.15
75-09-2	METHYLENE CHLORIDE	ug/m3	0.31 J	11	7.1
91-20-3	NAPHTHALENE	ug/m3	0.18 U	0.2	0.13 J
142-82-5	N-HEPTANE	ug/m3	0.14 U	1.1	0.76
110-54-3	N-HEXANE	ug/m3	0.26 J	3.7 J	2.4 J
95-47-6	O-XYLENE	ug/m3	0.11 J	1.1	0.79
115-07-1	PROPYLENE	ug/m3	2.4 U	3.6	4.4
100-42-5	STYRENE	ug/m3	0.15 U	0.25	0.19
75-65-0	TERT-BUTYL ALCOHOL	ug/m3	0.44 U	0.44 U	0.44 U
1634-04-4	TERT-BUTYL METHYL ETHER	ug/m3	0.13 U	0.13 U	0.13 U
127-18-4	TETRACHLOROETHYLENE(PCE)	ug/m3	0.24 U	4.8	7.3
109-99-9	TETRAHYDROFURAN	ug/m3	0.1 U	0.1 U	0.13
108-88-3	TOLUENE	ug/m3	1.5	7.9	7.1
156-60-5	TRANS-1,2-DICHLOROETHENE	ug/m3	0.14 U	0.14 U	0.14 U
10061-02-6	TRANS-1,3-DICHLOROPROPENE	ug/m3	0.16 U	0.16 U	0.16 U
79-01-6	TRICHLOROETHYLENE (TCE)	ug/m3	0.19 U	0.17 J	0.25
75-69-4	TRICHLOROFLUOROMETHANE	ug/m3	1.3	1.4	1.5
108-05-4	VINYL ACETATE	ug/m3	2.5 U	3.8	3.7
75-01-4	VINYL CHLORIDE	ug/m3	0.09 U	0.09 U	0.09 U

NYSDEC-Pine Ave Site 2017 Site Investigation Validated Air Analytical Data SDG: 17C0975		Location ID: Sample ID: Lab Sample Id: Source: SDG: Matrix: Sampled: Validated:	2935E-IA 2935E-IA-032117-03 17C0975-05 CONTEST 17C0975 AIR 3/22/2017 9:48 5/8/2017	2935E-SS 2935E-SS-032117-01 17C0975-04 CONTEST 17C0975 AIR 3/22/2017 9:40 5/8/2017	2935E-SS 2935E-SS-032117-02 17C0975-06 CONTEST 17C0975 AIR 3/22/2017 9:45 5/8/2017
CAS NO.	COMPOUND	UNITS:			
	VOLATILES				
71-55-6	1,1,1-TRICHLOROETHANE	ug/m3	0.19 U	0.55 U	16 U
79-34-5	1,1,2,2-TETRACHLOROETHANE	ug/m3	0.24 U	0.69 U	21 U
76-13-1	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/m3	0.54 J	0.52 J	92 U
79-00-5	1,1,2-TRICHLOROETHANE	ug/m3	0.19 U	0.55 U	16 U
75-34-3	1,1-DICHLOROETHANE	ug/m3	0.14 U	0.4 U	12 U
75-35-4	1,1-DICHLOROETHENE	ug/m3	0.14 U	0.4 U	12 U
120-82-1	1,2,4-TRICHLOROBENZENE	ug/m3	0.26 U	0.74 U	22 U
95-63-6	1,2,4-TRIMETHYLBENZENE	ug/m3	1	2.1	15 U
106-93-4	1,2-DIBROMOETHANE	ug/m3	0.27 U	0.77 U	23 U
95-50-1	1,2-DICHLOROBENZENE	ug/m3	0.21 U	0.6 U	18 U
107-06-2	1,2-DICHLOROETHANE	ug/m3	0.14 U	0.4 U	12 U
78-87-5	1,2-DICHLOROPROPANE	ug/m3	0.16 U	0.46 U	14 U
76-14-2	1,2-DICHLOROTETRAFLUOROETHANE	ug/m3	0.25 U	0.7 U	21 U
108-67-8	1,3,5-TRIMETHYLBENZENE (MESITYLENE)	ug/m3	0.24	0.63	15 U
106-99-0	1,3-BUTADIENE	ug/m3	2.8	0.22 U	6.6 U
541-73-1	1,3-DICHLOROBENZENE	ug/m3	0.21 U	0.6 U	18 U
106-46-7	1,4-DICHLOROBENZENE	ug/m3	0.21 U	0.6 U	18 U
123-91-1	1,4-DIOXANE (P-DIOXANE)	ug/m3	1.3 U	3.6 U	110 U
591-78-6	2-HEXANONE	ug/m3	0.57	0.41 U	12 U
622-96-8	4-ETHYLTOLUENE	ug/m3	0.22	0.38 J	15 U
67-64-1	ACETONE	ug/m3	56	11	290 U
71-43-2	BENZENE	ug/m3	3	0.55	9.6 U
100-44-7	BENZYL CHLORIDE	ug/m3	0.18 U	0.52 U	16 U
75-27-4	BROMODICHLOROMETHANE	ug/m3	0.16 J	0.67 U	20 U
75-25-2	BROMOFORM	ug/m3	0.36 U	1 U	31 U
74-83-9	BROMOMETHANE	ug/m3	0.14 U	0.39 U	12 U
75-15-0	CARBON DISULFIDE	ug/m3	1.1 U	3.1 U	93 U
56-23-5	CARBON TETRACHLORIDE	ug/m3	0.45	0.38 J	19 U
108-90-7	CHLOROBENZENE	ug/m3	0.16 U	0.46 U	14 U
75-00-3	CHLOROETHANE	ug/m3	0.093 U	0.26 U	7.9 U
67-66-3	CHLOROFORM	ug/m3	1.4	9.3	15 U
74-87-3	CHLOROMETHANE	ug/m3	2.7	0.41 U	12 U
156-59-2	CIS-1,2-DICHLOROETHYLENE	ug/m3	0.14 U	0.4	220
10061-01-5	CIS-1,3-DICHLOROPROPENE	ug/m3	0.16 U	0.45 U	14 U
110-82-7	CYCLOHEXANE	ug/m3	0.12 U	0.34 U	10 U
124-48-1	DIBROMOCHLOROMETHANE	ug/m3	0.3 U	0.85 U	26 U
75-71-8	DICHLORODIFLUOROMETHANE	ug/m3	0.82	1.1	15 U
64-17-5	ETHANOL	ug/m3	260	6.6 J	230 U
141-78-6	ETHYL ACETATE	ug/m3	4.3	1	11 U
100-41-4	ETHYLBENZENE	ug/m3	0.8	0.57	13 U
87-68-3	HEXACHLOROBUTADIENE	ug/m3	0.37 U	1.1 U	32 U
67-63-0	ISOPROPANOL	ug/m3	4.3	1 J	290 U
179601-23-1	M,P-XYLENES	ug/m3	3.8	2.7	26 U
78-93-3	METHYL ETHYL KETONE (2-BUTANONE)	ug/m3	3.5 J	1.4 J	350 U
108-10-1	METHYL ISOBUTYL KETONE	ug/m3	0.16	0.41 U	12 U
75-09-2	METHYLENE CHLORIDE	ug/m3	5.3	2.2 J	100 U
91-20-3	NAPHTHALENE	ug/m3	0.38	0.45 J	16 U
142-82-5	N-HEPTANE	ug/m3	0.81	1.6	12 U
110-54-3	N-HEXANE	ug/m3	2.5 J	3.3 J	420 U
95-47-6	O-XYLENE	ug/m3	0.93	0.99	13 U
115-07-1	PROPYLENE	ug/m3	6	6.9 U	210 U
100-42-5	STYRENE	ug/m3	0.76	0.43 U	13 U
75-65-0	TERT-BUTYL ALCOHOL	ug/m3	0.44 U	1.2 U	37 U
1634-04-4	TERT-BUTYL METHYL ETHER	ug/m3	0.13 U	0.36 U	11 U
127-18-4	TETRACHLOROETHYLENE(PCE)	ug/m3	3.5	390	42000
109-99-9	TETRAHYDROFURAN	ug/m3	0.1 U	0.29 U	8.8 U
108-88-3	TOLUENE	ug/m3	7.5	6.5	13
156-60-5	TRANS-1,2-DICHLOROETHENE	ug/m3	0.14 U	0.4 U	18
10061-02-6	TRANS-1,3-DICHLOROPROPENE	ug/m3	0.16 U	0.45 U	14 U
79-01-6	TRICHLOROETHYLENE (TCE)	ug/m3	0.14 J	9.8	1300
75-69-4	TRICHLOROFLUOROMETHANE	ug/m3	1.3	1.3 J	67 U
108-05-4	VINYL ACETATE	ug/m3	2.5 U	7 U	210 U
75-01-4	VINYL CHLORIDE	ug/m3	0.09 U	0.26 U	7.7 U

						Dup of PA-SV12-071918		
NYSDEC-Pine Ave Site 2018 Site Investigation Validated Air Analytical Data SDG: JC70384		Location ID:	PA-SV10	PA-SV11	PA-SV12	PA-SV12	PA-SV13	PA-SV14
		Sample ID:	PA-SV10-071918	PA-SV11-071918	PA-SV12-071918	PA-DUP-071918	PA-SV13-071918	PA-SV14-071918
		Lab Sample Id:	JC70384-1	JC70384-2	JC70384-3	JC70384-6	JC70384-4	JC70384-5
		Source:	ACCUTEST	ACCUTEST	ACCUTEST	ACCUTEST	ACCUTEST	ACCUTEST
		SDG:	JC70384	JC70384	JC70384	JC70384	JC70384	JC70384
		Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
		Sampled:	7/19/2018 12:55	7/19/2018 13:04	7/19/2018 13:45	7/19/2018 13:45	7/19/2018 14:04	7/19/2018 14:15
		Validated:	9/4/2018	9/4/2018	9/4/2018	9/4/2018	9/4/2018	9/4/2018
CAS NO.	COMPOUND	UNITS:						
	VOLATILES							
71-55-6	1,1,1-TRICHLOROETHANE	ug/m3	1.8	0.76 J	1.1 U	1.1 U	5.5 U	0.6 J
79-34-5	1,1,2,2-TETRACHLOROETHANE	ug/m3	1.4 U	1.4 U	1.4 U	1.4 U	6.9 U	1.4 U
76-13-1	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/m3	1.5 U	1.5 U	1.5 U	1.5 U	7.7 U	1.5 U
79-00-5	1,1,2-TRICHLOROETHANE	ug/m3	1.1 U	1.1 U	1.1 U	1.1 U	5.5 U	1.1 U
75-34-3	1,1-DICHLOROETHANE	ug/m3	0.81 U	0.81 U	0.81 U	0.81 U	4 U	0.53 J
75-35-4	1,1-DICHLOROETHENE	ug/m3	0.79 U	0.79 U	0.79 U	0.79 U	4 U	0.79 U
120-82-1	1,2,4-TRICHLOROBENZENE	ug/m3	1.5 U	1.5 U	1.5 U	1.5 U	7.4 U	1.5 U
95-63-6	1,2,4-TRIMETHYLBENZENE	ug/m3	0.98 U	0.98 U	0.98 U	0.98 U	4.9 U	0.98 U
106-93-4	1,2-DIBROMOETHANE	ug/m3	1.5 U	1.5 U	1.5 U	1.5 U	7.7 U	1.6
95-50-1	1,2-DICHLOROBENZENE	ug/m3	1.2 U	1.2 U	1.2 U	1.2 U	6 U	1.2 U
107-06-2	1,2-DICHLOROETHANE	ug/m3	0.81 U	0.81 U	0.81 U	0.81 U	4 U	0.81 U
78-87-5	1,2-DICHLOROPROPANE	ug/m3	0.92 U	0.92 U	0.92 U	0.92 U	4.6 U	0.92 U
76-14-2	1,2-DICHLOROTETRAFLUOROETHANE	ug/m3	1.4 U	1.4 U	1.4 U	1.4 U	7 U	1.4 U
108-67-8	1,3,5-TRIMETHYLBENZENE (MESITYLENE)	ug/m3	0.98 U	0.98 U	0.98 U	0.98 U	4.9 U	0.98 U
106-99-0	1,3-BUTADIENE	ug/m3	0.44 U	0.44 U	0.44 U	0.44 U	2.2 U	0.44 U
541-73-1	1,3-DICHLOROBENZENE	ug/m3	1.2 U	1.2 U	1.2 U	1.2 U	6 U	0.78 J
106-46-7	1,4-DICHLOROBENZENE	ug/m3	1.2 U	1.2 U	1.2 U	1.2 U	6 U	1.2 U
123-91-1	1,4-DIOXANE (P-DIOXANE)	ug/m3	0.72 U	0.72 U	0.72 U	0.72 U	3.6 U	0.72 U
540-84-1	2,2,4-TRIMETHYLPENTANE	ug/m3	0.93 U	0.93 U	0.93 U	0.93 U	4.7 U	0.65 J
95-49-8	2-CHLOROTOLUENE	ug/m3	1 U	1 U	1 U	1 U	5.2 U	1 U
591-78-6	2-HEXANONE	ug/m3	0.82 U	0.82 U	0.82 U	0.82 U	4.1 U	0.53 J
622-96-8	4-ETHYLTOLUENE	ug/m3	0.98 U	0.98 U	0.98 U	0.98 U	4.9 U	0.98 U
67-64-1	ACETONE	ug/m3	10	12	6.7	8.8	13	12
107-05-1	ALLYL CHLORIDE (3-CHLOROPROPENE)	ug/m3	0.63 U	0.63 U	0.63 U	0.63 U	3.1 U	0.63 U
71-43-2	BENZENE	ug/m3	0.64 U	0.64 U	0.64 U	0.64 U	3.2 U	0.93
100-44-7	BENZYL CHLORIDE	ug/m3	1 UJ	1 UJ	1 UJ	1 UJ	5.2 UJ	1 UJ
75-27-4	BROMODICHLOROMETHANE	ug/m3	1.3 U	0.67 J	2.7	2.3	44	1.6
593-60-2	BROMOETHENE	ug/m3	0.87 U	0.87 U	0.87 U	0.87 U	4.4 U	0.87 U
75-25-2	BROMOFORM	ug/m3	2.1 UJ	2.1 UJ	2.1 UJ	2.1 UJ	10 UJ	2.1 UJ
74-83-9	BROMOMETHANE	ug/m3	0.78 U	0.78 U	0.78 U	0.78 U	3.9 U	0.78 U
75-15-0	CARBON DISULFIDE	ug/m3	5	8.7	5.3	4.4	3.1 U	5.3
56-23-5	CARBON TETRACHLORIDE	ug/m3	0.59 J	0.59 J	0.57 J	0.55 J	6.3 U	0.82 J
108-90-7	CHLOROBENZENE	ug/m3	0.92 U	0.92 U	0.92 U	0.92 U	4.6 U	0.92 U
75-00-3	CHLOROETHANE	ug/m3	0.53 U	0.53 U	0.53 U	0.53 U	2.6 U	0.53 U
67-66-3	CHLOROFORM	ug/m3	5.9	14	35	29	305	56.6
74-87-3	CHLOROMETHANE	ug/m3	1.4	0.7	0.23 J	0.33 J	2.1 U	0.95
156-59-2	CIS-1,2-DICHLOROETHYLENE	ug/m3	0.79 U	0.79 U	0.99	0.91	57.9	76.5
10061-01-5	CIS-1,3-DICHLOROPROPENE	ug/m3	0.91 U	0.91 U	0.91 U	0.91 U	4.5 U	0.91 U
110-82-7	CYCLOHEXANE	ug/m3	0.69 U	0.69 U	0.69 U	0.69 U	3.4 U	0.69 U

						Dup of PA-SV12-071918		
NYSDEC-Pine Ave Site 2018 Site Investigation Validated Air Analytical Data SDG: JC70384		Location ID:	PA-SV10	PA-SV11	PA-SV12	PA-SV12	PA-SV13	PA-SV14
		Sample ID:	PA-SV10-071918	PA-SV11-071918	PA-SV12-071918	PA-DUP-071918	PA-SV13-071918	PA-SV14-071918
		Lab Sample Id:	JC70384-1	JC70384-2	JC70384-3	JC70384-6	JC70384-4	JC70384-5
		Source:	ACCUTEST	ACCUTEST	ACCUTEST	ACCUTEST	ACCUTEST	ACCUTEST
		SDG:	JC70384	JC70384	JC70384	JC70384	JC70384	JC70384
		Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
		Sampled:	7/19/2018 12:55	7/19/2018 13:04	7/19/2018 13:45	7/19/2018 13:45	7/19/2018 14:04	7/19/2018 14:15
		Validated:	9/4/2018	9/4/2018	9/4/2018	9/4/2018	9/4/2018	9/4/2018
CAS NO.	COMPOUND	UNITS:						
	VOLATILES							
124-48-1	DIBROMOCHLOROMETHANE	ug/m3	1.7 U	1.7 U	1.7 U	1.7 U	8.5 U	1.7 U
75-71-8	DICHLORODIFLUOROMETHANE	ug/m3	2.4	2.1	2.4	2.2	2.7 J	2.4
64-17-5	ETHANOL	ug/m3	6.2	9	1.1 J	4.7 J	4.5 J	2.4
141-78-6	ETHYL ACETATE	ug/m3	2.8	4.7	2.4	3.1	3.6 U	0.72 U
100-41-4	ETHYLBENZENE	ug/m3	0.87 U	0.87 U	0.87 U	0.87 U	4.3 U	0.87 U
87-68-3	HEXACHLOROBUTADIENE	ug/m3	2.1 U	2.1 U	2.1 U	2.1 U	11 U	2.1 U
67-63-0	ISOPROPANOL	ug/m3	1.4	0.74	0.71	0.96	2.5 U	2.1
136777-61-2	M,P-XYLENES	ug/m3	0.87 U	0.87 U	0.87 U	0.87 U	4.3 U	0.87 U
78-93-3	METHYL ETHYL KETONE (2-BUTANONE)	ug/m3	1.7	2.2	0.56 J	1.1	2.9 U	1.9
108-10-1	METHYL ISOBUTYL KETONE	ug/m3	0.82 U	0.82 U	0.82 U	0.82 U	4.1 U	0.82 U
80-62-6	METHYL METHACRYLATE	ug/m3	0.82 U	0.82 U	0.82 U	0.82 U	4.1 U	0.82 U
75-09-2	METHYLENE CHLORIDE	ug/m3	3.4	0.69 U	2.1	1.7	35.4	22
142-82-5	N-HEPTANE	ug/m3	0.82 U	0.82 U	0.82 U	0.82 U	4.1 U	0.82 U
110-54-3	N-HEXANE	ug/m3	1.7	0.7 U	0.56 J	0.99	3.5 U	2.8
95-47-6	O-XYLENE (1,2-DIMETHYLBENZENE)	ug/m3	0.87 U	0.87 U	0.87 U	0.87 U	4.3 U	0.87 U
115-07-1	PROPYLENE	ug/m3	0.86 U	0.86 U	0.86 U	0.86 U	4.3 U	0.86 U
100-42-5	STYRENE	ug/m3	0.85 U	0.85 U	0.85 U	0.85 U	4.3 U	0.85 U
75-65-0	TERT-BUTYL ALCOHOL	ug/m3	0.61 U	0.61 U	0.61 U	0.61 U	3 U	0.61 U
1634-04-4	TERT-BUTYL METHYL ETHER	ug/m3	0.72 U	0.72 U	0.72 U	0.72 U	3.6 U	0.72 U
127-18-4	TETRACHLOROETHYLENE(PCE)	ug/m3	62	70.5	115	100	1100	435
109-99-9	TETRAHYDROFURAN	ug/m3	0.59 U	0.59 U	0.59 U	0.59 U	2.9 U	0.59 U
108-88-3	TOLUENE	ug/m3	0.38 J	0.64 J	0.75 U	0.57 J	3.8 U	0.49 J
156-60-5	TRANS-1,2-DICHLOROETHENE	ug/m3	0.79 U	0.79 U	0.79 U	0.79 U	4 U	42.8
10061-02-6	TRANS-1,3-DICHLOROPROPENE	ug/m3	0.91 U	0.91 U	0.91 U	0.91 U	4.5 U	0.91 U
79-01-6	TRICHLOROETHYLENE (TCE)	ug/m3	2.6	4.7	54.8	48	530	282
75-69-4	TRICHLOROFLUOROMETHANE	ug/m3	2.5	1.4	1.6	1.6	5.6 U	1.7
108-05-4	VINYL ACETATE	ug/m3	0.7 U	0.7 U	0.7 U	0.7 U	3.5 U	0.7 U
75-01-4	VINYL CHLORIDE	ug/m3	0.51 U	0.51 U	0.51 U	0.51 U	2.6 U	0.49 J
XYLENES	XYLENES, TOTAL	ug/m3	0.87 U	0.87 U	0.87 U	0.87 U	4.3 U	0.87 U

NYSDEC-Pine Ave Site Validated Air Analytical Data SDG: JC79523		Location ID: Sample ID: Lab Sample Id: Source: SDG: Matrix: Sampled: Validated:	2532-IA-01 2532-IA-120818-01 JC79523-1 ACCUTEST JC79523 SOIL 12/8/2018 8:28 2/26/2019	2532-IA-02 2532-IA-120818-02 JC79523-2 ACCUTEST JC79523 SOIL 12/8/2018 8:30 2/26/2019	2532-IA-03 2532-IA-120818-03 JC79523-3 ACCUTEST JC79523 SOIL 12/8/2018 8:15 2/26/2019	2532-IA-04 2532-IA-120818-04 JC79523-4 ACCUTEST JC79523 SOIL 12/8/2018 8:20 2/26/2019	2532-IA-05 2532-IA-120818-05 JC79523-5 ACCUTEST JC79523 SOIL 12/8/2018 8:20 2/26/2019	2532-OA-01 2532-OA-120818-01 JC79523-6 ACCUTEST JC79523 SOIL 12/8/2018 8:35 2/26/2019
CAS NO.	COMPOUND	UNITS:						
	VOLATILES							
71-55-6	1,1,1-TRICHLOROETHANE	ug/m3	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U
79-34-5	1,1,2,2-TETRACHLOROETHANE	ug/m3	0.55 U	0.55 U	0.55 U	0.55 U	0.55 U	0.55 U
76-13-1	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/m3	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U
79-00-5	1,1,2-TRICHLOROETHANE	ug/m3	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U
75-34-3	1,1-DICHLOROETHANE	ug/m3	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U
75-35-4	1,1-DICHLOROETHENE	ug/m3	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U
120-82-1	1,2,4-TRICHLOROBENZENE	ug/m3	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U
95-63-6	1,2,4-TRIMETHYLBENZENE	ug/m3	0.59 J	38	0.64 J	0.93	0.59 J	0.79 U
106-93-4	1,2-DIBROMOETHANE	ug/m3	1.2	32	0.61 U	1	0.61 U	19
95-50-1	1,2-DICHLOROBENZENE	ug/m3	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U
107-06-2	1,2-DICHLOROETHANE	ug/m3	2.2	4	0.65 U	0.65 U	0.65 U	0.77
78-87-5	1,2-DICHLOROPROPANE	ug/m3	0.74 U	0.74 U	0.74 U	0.74 U	0.74 U	0.74 U
76-14-2	1,2-DICHLOROTETRAFLUOROETHANE	ug/m3	0.56 U	0.56 U	0.56 U	0.56 U	0.56 U	0.56 U
108-67-8	1,3,5-TRIMETHYLBENZENE (MESITYLENE)	ug/m3	0.79 U	17	0.79 U	0.79 U	0.79 U	0.79 U
106-99-0	1,3-BUTADIENE	ug/m3	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U
541-73-1	1,3-DICHLOROBENZENE	ug/m3	0.48 U	0.48 U	0.48 U	0.48 U	0.48 U	0.48 U
106-46-7	1,4-DICHLOROBENZENE	ug/m3	0.48 U	0.48 U	0.48 U	0.48 U	0.48 U	0.48 U
123-91-1	1,4-DIOXANE (P-DIOXANE)	ug/m3	0.58 U	0.58 U	0.58 U	0.58 U	0.58 U	0.58 U
540-84-1	2,2,4-TRIMETHYLPENTANE	ug/m3	0.35 J	4.7	0.56 J	0.89	0.84	0.75 U
95-49-8	2-CHLOROTOLUENE	ug/m3	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U
591-78-6	2-HEXANONE	ug/m3	0.65 U	1.3	0.65 U	0.65 U	0.65 U	0.65 U
622-96-8	4-ETHYLTOLUENE	ug/m3	0.79 U	6.4	0.79 U	0.79 U	0.79 U	0.79 U
67-64-1	ACETONE	ug/m3	42.8	70.8	31.1	20	5.7	8.1
107-05-1	ALLYL CHLORIDE	ug/m3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
71-43-2	BENZENE	ug/m3	0.42 J	1.9	0.7	0.89	1.5	0.58
100-44-7	BENZYL CHLORIDE	ug/m3	0.82 UJ	0.82 UJ	0.82 UJ	0.82 UJ	0.82 UJ	0.82 UJ
75-27-4	BROMODICHLOROMETHANE	ug/m3	0.54 U	0.54 U	0.54 U	0.54 U	0.54 U	0.54 U
593-60-2	BROMOETHENE	ug/m3	0.7 U	1.4	0.7 U	0.7 U	0.7 U	1
75-25-2	BROMOFORM	ug/m3	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U
74-83-9	BROMOMETHANE	ug/m3	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U
75-15-0	CARBON DISULFIDE	ug/m3	0.5 U	0.31 J	0.5 U	0.5 U	0.5 U	0.5 U
56-23-5	CARBON TETRACHLORIDE	ug/m3	0.2 U	0.2 U	0.2 U	0.2 U	0.42	0.43
108-90-7	CHLOROBENZENE	ug/m3	0.74 U	0.74 U	0.74 U	0.74 U	0.74 U	0.74 U
75-00-3	CHLOROETHANE	ug/m3	0.42 U	0.42 U	0.42 U	0.42 U	0.42 U	0.42 U
67-66-3	CHLOROFORM	ug/m3	1.2	1.1	0.78 U	0.54 J	0.78 U	0.78 U
74-87-3	CHLOROMETHANE	ug/m3	1.8	1.7	0.85	0.78	0.89	0.93
156-59-2	CIS-1,2-DICHLOROETHYLENE	ug/m3	0.48	0.75	1.7	4.4	0.13 U	0.13 U
10061-01-5	CIS-1,3-DICHLOROPROPENE	ug/m3	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U
110-82-7	CYCLOHEXANE	ug/m3	0.55 U	1	0.48 J	0.41 J	0.38 J	0.55 U

NYSDEC-Pine Ave Site Validated Air Analytical Data SDG: JC79523		Location ID: Sample ID: Lab Sample Id: Source: SDG: Matrix: Sampled: Validated:	2532-IA-01 2532-IA-120818-01 JC79523-1 ACCUTEST JC79523 SOIL 12/8/2018 8:28 2/26/2019	2532-IA-02 2532-IA-120818-02 JC79523-2 ACCUTEST JC79523 SOIL 12/8/2018 8:30 2/26/2019	2532-IA-03 2532-IA-120818-03 JC79523-3 ACCUTEST JC79523 SOIL 12/8/2018 8:15 2/26/2019	2532-IA-04 2532-IA-120818-04 JC79523-4 ACCUTEST JC79523 SOIL 12/8/2018 8:20 2/26/2019	2532-IA-05 2532-IA-120818-05 JC79523-5 ACCUTEST JC79523 SOIL 12/8/2018 8:20 2/26/2019	2532-OA-01 2532-OA-120818-01 JC79523-6 ACCUTEST JC79523 SOIL 12/8/2018 8:35 2/26/2019
CAS NO.	COMPOUND	UNITS:						
	VOLATILES							
124-48-1	DIBROMOCHLOROMETHANE	ug/m3	0.68 U	0.68 U	0.68 U	0.68 U	0.68 U	0.68 U
75-71-8	DICHLORODIFLUOROMETHANE	ug/m3	2	1.9	2.1	1.8	2	1.8
64-17-5	ETHANOL	ug/m3	4110 J	3670 J	727 J	580 J	11	4.7
141-78-6	ETHYL ACETATE	ug/m3	3.6	5	0.5 J	0.94	0.58 U	0.58 U
100-41-4	ETHYLBENZENE	ug/m3	0.65 J	3.3	0.48 J	0.69	0.69 U	0.69 U
87-68-3	HEXACHLOROBUTADIENE	ug/m3	0.77 U	0.77 U	0.77 U	0.77 U	0.77 U	0.77 U
67-63-0	ISOPROPANOL	ug/m3	185	258	1550 J	109 J	1.8	0.79
136777-61-2	M,P-XYLENES	ug/m3	2.5	53	1.8	2.6	1.7	0.56 J
78-93-3	METHYL ETHYL KETONE (2-BUTANONE)	ug/m3	2.5	2.3	0.65	0.35 J	0.5	1
108-10-1	METHYL ISOBUTYL KETONE	ug/m3	0.66 U	0.66 U	0.66 U	0.66 U	0.66 U	0.66 U
80-62-6	METHYL METHACRYLATE	ug/m3	0.66 U	0.7	3.5	0.66 U	0.66 U	0.66 U
75-09-2	METHYLENE CHLORIDE	ug/m3	0.56 U	0.56 U	0.56 U	0.56 U	2.4	0.56 U
142-82-5	N-HEPTANE	ug/m3	0.66 U	5.7	0.7	0.7	0.66	0.66 U
110-54-3	N-HEXANE	ug/m3	0.7	2.4	1.7	2.3	2.4	0.39 J
95-47-6	O-XYLENE (1,2-DIMETHYLBENZENE)	ug/m3	0.91	21	0.65 J	1	0.61 J	0.69 U
115-07-1	PROPYLENE	ug/m3	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.89
100-42-5	STYRENE	ug/m3	0.39 J	0.51 J	0.68 U	0.68 U	0.68 U	0.68 U
75-65-0	TERT-BUTYL ALCOHOL	ug/m3	1.7	0.55	0.49 U	0.49 U	0.49 U	0.49 U
1634-04-4	TERT-BUTYL METHYL ETHER	ug/m3	0.58 U	0.58 U	0.58 U	0.58 U	0.58 U	0.58 U
127-18-4	TETRACHLOROETHYLENE(PCE)	ug/m3	0.28	0.56	1	4.1	0.2 J	0.47
109-99-9	TETRAHYDROFURAN	ug/m3	0.47 U	0.47 U	0.47 U	0.47 U	0.47 U	0.74
108-88-3	TOLUENE	ug/m3	2.5	11	2.9	4.1	2.6	1
156-60-5	TRANS-1,2-DICHLOROETHENE	ug/m3	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U
10061-02-6	TRANS-1,3-DICHLOROPROPENE	ug/m3	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U
79-01-6	TRICHLOROETHYLENE (TCE)	ug/m3	0.17 U	0.23	0.54	1.3	0.17 U	0.17 U
75-69-4	TRICHLOROFLUOROMETHANE	ug/m3	2.5	2.6	6.7	1.7	1.7	1.1
108-05-4	VINYL ACETATE	ug/m3	1.8	0.56 U	0.56 U	0.56 U	0.56 U	0.56 U
75-01-4	VINYL CHLORIDE	ug/m3	3.3	3.3	3.6	10	0.082 U	0.082 U
XYLENES	XYLENES, TOTAL	ug/m3	3.4	74.7	2.4	3.6	2.3	0.56 J

ATTACHMENT A-2

VALIDATED LABORATORY DATA FOR SOIL SAMPLES

NYSDEC-Pine Ave Site 2014 Site Investigation Validated Soil Analytical Data		Location ID: Sample ID: Depth: Lab Sample ID: Source: SDG: Matrix: Sampled: Validated:	SS-01 SS-01_042514 0-0.5 ft 14D1023-04 CONTEST 14D01023 SOIL 4/25/2014 8:00 7/13/2014	SS-02 SS-02_042314 0-0.5 ft 14D0923-05 CONTEST 14D0923 SOIL 4/23/2014 14:55 7/13/2014	Dup of SS-02_042314 SS-02 SS-102_042314 0-0.5 ft 14D0923-06 CONTEST 14D0923 SOIL 4/23/2014 14:56 7/13/2014	SS-03 SS-03_042214 0-0.5 ft 14D0849-01 CONTEST 14D0849 SOIL 4/22/2014 15:15 7/13/2014	SB-06 SB-06_04221401 11-13 ft 14D0849-02 CONTEST 14D0849 SOIL 4/22/2014 11:00 7/13/2014	SB-06 SB-06_04221402 17-18.7 ft 14D0849-03 CONTEST 14D0849 SOIL 4/22/2014 13:30 7/13/2014
CAS NO.	COMPOUND	UNITS:						
	VOLATILES							
630-20-6	1,1,1,2-TETRACHLOROETHANE	mg/kg	0.098 U	0.00081 U	0.00066 U	0.00077 U	0.00088 U	0.00068 U
71-55-6	1,1,1-TRICHLOROETHANE	mg/kg	0.061 U	0.0009 U	0.00074 U	0.00086 U	0.00097 U	0.00076 U
79-34-5	1,1,2,2-TETRACHLOROETHANE	mg/kg	0.22 U	0.00081 U	0.00066 U	0.00077 U	0.00088 U	0.00068 U
76-13-1	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	mg/kg	0.14 U	0.00081 U	0.00066 U	0.00077 U	0.00088 U	0.00068 U
79-00-5	1,1,2-TRICHLOROETHANE	mg/kg	0.098 U	0.0011 U	0.00088 U	0.001 U	0.0012 U	0.00091 U
75-34-3	1,1-DICHLOROETHANE	mg/kg	0.11 U	0.00063 U	0.00052 U	0.0006 U	0.00068 U	0.00053 U
75-35-4	1,1-DICHLOROETHENE	mg/kg	0.12 U	0.00099 U	0.00081 U	0.00094 U	0.0011 U	0.00083 U
563-58-6	1,1-DICHLOROPROPENE	mg/kg	0.12 U	0.00081 U	0.00066 U	0.00077 U	0.00088 U	0.00068 U
87-61-6	1,2,3-TRICHLOROBENZENE	mg/kg	0.27 U	0.00054 U	0.00044 U	0.00051 UJ	0.00058 UJ	0.00045 UJ
96-18-4	1,2,3-TRICHLOROPROPANE	mg/kg	0.26 U	0.00099 U	0.00081 U	0.00094 U	0.0011 U	0.00083 U
120-82-1	1,2,4-TRICHLOROBENZENE	mg/kg	0.14 U	0.00072 U	0.00059 U	0.00069 UJ	0.00078 UJ	0.00061 UJ
95-63-6	1,2,4-TRIMETHYLBENZENE	mg/kg	0.074 U	0.00072 UJ	0.00059 UJ	0.00069 U	0.00078 U	0.00061 U
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	mg/kg	0.59 U	0.00099 U	0.00081 U	0.00094 UJ	0.0011 U	0.00083 UJ
106-93-4	1,2-DIBROMOETHANE	mg/kg	0.17 U	0.0009 U	0.00074 U	0.00086 U	0.00097 U	0.00076 U
95-50-1	1,2-DICHLOROBENZENE	mg/kg	0.074 U	0.00063 U	0.00052 U	0.0006 U	0.00068 U	0.00053 U
107-06-2	1,2-DICHLOROETHANE	mg/kg	0.11 U	0.0012 U	0.00096 U	0.0011 U	0.0013 U	0.00099 U
78-87-5	1,2-DICHLOROPROPANE	mg/kg	0.25 U	0.0012 U	0.00096 U	0.0011 U	0.0013 U	0.00099 U
108-70-3	1,3,5-TRICHLOROBENZENE	mg/kg	0.49 U	0.00063 U	0.00052 U	0.0006 U	0.00068 U	0.00053 U
108-67-8	1,3,5-TRIMETHYLBENZENE (MESITYLENE)	mg/kg	0.074 U	0.00054 UJ	0.00044 UJ	0.00051 U	0.00058 U	0.00045 U
541-73-1	1,3-DICHLOROBENZENE	mg/kg	0.074 U	0.00063 U	0.00052 U	0.0006 U	0.00068 U	0.00053 U
142-28-9	1,3-DICHLOROPROPANE	mg/kg	0.098 U	0.00063 U	0.00052 U	0.0006 U	0.00068 U	0.00053 U
106-46-7	1,4-DICHLOROBENZENE	mg/kg	0.14 U	0.00072 U	0.00059 U	0.00069 U	0.00078 U	0.00061 U
123-91-1	1,4-DIOXANE (P-DIOXANE)	mg/kg	R	R	R	R	R	R
594-20-7	2,2-DICHLOROPROPANE	mg/kg	0.16 U	0.00081 UJ	0.00066 UJ	0.00077 UJ	0.00088 UJ	0.00068 UJ
39638-32-9	2,2-OXYBIS(2-CHLOROPROPANE)	mg/kg	0.65 U	0.15 U	0.14 U	0.3 U	0.17 U	0.15 U
95-49-8	2-CHLOROTOLUENE	mg/kg	0.061 U	0.00072 U	0.00059 U	0.00069 U	0.00078 U	0.00061 U
591-78-6	2-HEXANONE	mg/kg	0.81 U	0.0098 U	0.008 U	0.0093 U	0.011 U	0.0083 U
MEPH3MEPH	3+4-Methylphenols	mg/kg	0.89 U	0.2 U	0.2 U	0.41 U	0.23 U	0.2 U
106-43-4	4-CHLOROTOLUENE	mg/kg	0.061 U	0.00072 U	0.00059 U	0.00069 U	0.00078 U	0.00061 U
67-64-1	ACETONE	mg/kg	0.66 UJ	0.021 U	0.017 U	0.02 U	0.023 U	0.018 U
107-13-1	ACRYLONITRILE	mg/kg	0.63 U	0.0023 U	0.0018 U	0.0021 U	0.0024 U	0.0019 U
71-43-2	BENZENE	mg/kg	0.061 U	0.00063 U	0.00052 U	0.0006 U	0.00068 U	0.00053 U
108-86-1	BROMOBENZENE	mg/kg	0.12 U	0.00072 U	0.00059 U	0.00069 U	0.00078 U	0.00061 U
74-97-5	BROMOCHLOROMETHANE	mg/kg	0.12 U	0.0013 U	0.001 U	0.0012 U	0.0014 U	0.0011 U
75-27-4	BROMODICHLOROMETHANE	mg/kg	0.098 U	0.00054 U	0.00044 U	0.00051 U	0.00058 U	0.00045 U
75-25-2	BROMOFORM	mg/kg	0.31 U	0.0013 U	0.001 U	0.0012 U	0.0014 U	0.0011 U
74-83-9	BROMOMETHANE	mg/kg	0.47 U	0.0015 UJ	0.0013 UJ	0.0015 U	0.0017 UJ	0.0013 U
994-05-8	BUTANE, 2-METHOXY-2-METHYL	mg/kg	0.14 U	0.00063 U	0.00052 U	0.0006 U	0.00068 U	0.00053 U

NYSDEC-Pine Ave Site 2014 Site Investigation Validated Soil Analytical Data		Location ID: Sample ID: Depth: Lab Sample Id: Source: SDG: Matrix: Sampled: Validated:	SS-01 SS-01_042514 0-0.5 ft 14D1023-04 CONTEST 14D01023 SOIL 4/25/2014 8:00 7/13/2014	SS-02 SS-02_042314 0-0.5 ft 14D0923-05 CONTEST 14D0923 SOIL 4/23/2014 14:55 7/13/2014	Dup of SS-02_042314 SS-02 SS-102_042314 0-0.5 ft 14D0923-06 CONTEST 14D0923 SOIL 4/23/2014 14:56 7/13/2014	SS-03 SS-03_042214 0-0.5 ft 14D0849-01 CONTEST 14D0849 SOIL 4/22/2014 15:15 7/13/2014	SB-06 SB-06_04221401 11-13 ft 14D0849-02 CONTEST 14D0849 SOIL 4/22/2014 11:00 7/13/2014	SB-06 SB-06_04221402 17-18.7 ft 14D0849-03 CONTEST 14D0849 SOIL 4/22/2014 13:30 7/13/2014
CAS NO.	COMPOUND	UNITS:						
	VOLATILES							
75-15-0	CARBON DISULFIDE	mg/kg	0.061 U	0.003 U	0.0024 U	0.0028 U	0.0032 U	0.0025 U
56-23-5	CARBON TETRACHLORIDE	mg/kg	0.11 U	0.00072 U	0.00059 U	0.00069 U	0.00078 U	0.00061 U
108-90-7	CHLOROBENZENE	mg/kg	0.061 U	0.00063 U	0.00052 U	0.0006 U	0.00068 U	0.00053 U
75-00-3	CHLOROETHANE	mg/kg	0.41 U	0.0014 U	0.0011 U	0.0013 U	0.0015 U	0.0011 U
67-66-3	CHLOROFORM	mg/kg	0.049 U	0.00063 U	0.00052 U	0.0006 U	0.00068 U	0.00053 U
74-87-3	CHLOROMETHANE	mg/kg	0.16 U	0.00081 U	0.00066 U	0.00077 U	0.00088 U	0.00068 U
156-59-2	CIS-1,2-DICHLOROETHYLENE	mg/kg	0.061 U	0.0048 J	0.00094 J	0.012	0.00078 U	0.00061 U
10061-01-5	CIS-1,3-DICHLOROPROPENE	mg/kg	0.086 U	0.00063 UJ	0.00052 UJ	0.0006 U	0.00068 U	0.00053 U
99-87-6	CYMENE	mg/kg	0.074 U	0.00072 U	0.00059 U	0.00069 U	0.00078 U	0.00061 U
124-48-1	DIBROMOCHLOROMETHANE	mg/kg	0.15 U	0.00063 U	0.00052 U	0.0006 U	0.00068 U	0.00053 U
74-95-3	DIBROMOMETHANE	mg/kg	0.098 U	0.00054 U	0.00044 U	0.00051 U	0.00058 U	0.00045 U
75-71-8	DICHLORODIFLUOROMETHANE	mg/kg	0.049 U	0.0012 U	0.00096 U	0.0011 UJ	0.0013 U	0.00099 UJ
100-41-4	ETHYLBENZENE	mg/kg	0.061 U	0.0024 J	0.00059 UJ	0.00069 U	0.00078 U	0.00061 U
87-68-3	HEXACHLOROBUTADIENE	mg/kg	0.52 U	0.12 U	0.12 U	0.24 U	0.14 U	0.12 U
98-82-8	ISOPROPYLBENZENE (CUMENE)	mg/kg	0.074 U	0.00063 UJ	0.00052 UJ	0.0006 U	0.00068 U	0.00053 U
79601-23-1	M AND P XYLENES	mg/kg	0.086 U	0.0051 J	0.004 J	0.0015 U	0.0017 U	0.0013 U
78-93-3	METHYL ETHYL KETONE (2-BUTANONE)	mg/kg	0.5 U	0.016 U	0.013 U	0.015 U	0.017 U	0.013 U
108-10-1	METHYL ISOBUTYL KETONE	mg/kg	0.27 U	0.0068 U	0.0056 U	0.0065 U	0.0074 U	0.0058 U
75-09-2	METHYLENE CHLORIDE	mg/kg	2.7 U	0.0098 J	0.0052 UJ	0.0061 UJ	0.0069 UJ	0.0054 UJ
91-20-3	NAPHTHALENE	mg/kg	0.35 U	0.08 U	0.078 U	0.16 U	0.093 U	0.08 U
104-51-8	N-BUTYLBENZENE	mg/kg	0.061 U	0.00063 UJ	0.00052 UJ	0.0006 U	0.00068 U	0.00053 U
103-65-1	N-PROPYLBENZENE	mg/kg	0.049 U	0.00063 UJ	0.00052 UJ	0.0006 U	0.00068 U	0.00053 U
95-47-6	O-XYLENE (1,2-DIMETHYLBENZENE)	mg/kg	0.061 U	0.0031 J	0.00052 UJ	0.0006 U	0.00068 U	0.00053 U
135-98-8	SEC-BUTYLBENZENE	mg/kg	0.061 U	0.0009 UJ	0.00074 UJ	0.00086 U	0.00097 U	0.00076 U
100-42-5	STYRENE	mg/kg	0.074 U	0.00054 UJ	0.00044 UJ	0.00051 U	0.00058 U	0.00045 U
98-06-6	T-BUTYLBENZENE	mg/kg	0.061 U	0.00081 UJ	0.00066 UJ	0.00077 U	0.00088 U	0.00068 U
75-65-0	TERT-BUTYL ALCOHOL	mg/kg	4.3 U	0.019 U	0.015 U	R	R	R
1634-04-4	TERT-BUTYL METHYL ETHER	mg/kg	0.061 U	0.00081 U	0.00066 U	0.00077 U	0.00088 U	0.00068 U
127-18-4	TETRACHLOROETHYLENE(PCE)	mg/kg	200	2.5	0.054	38	0.0013 U	0.00099 U
109-99-9	TETRAHYDROFURAN	mg/kg	1.2 U	0.002 U	0.0016 U	0.0019 U	0.0021 U	0.0017 U
108-88-3	TOLUENE	mg/kg	0.049 U	0.0026 J	0.0019 J	0.00069 U	0.00078 U	0.00061 U
156-60-5	TRANS-1,2-DICHLOROETHENE	mg/kg	0.086 U	0.00081 U	0.00066 U	0.0027	0.00088 U	0.00068 U
10061-02-6	TRANS-1,3-DICHLOROPROPENE	mg/kg	0.15 U	0.00063 UJ	0.00052 UJ	0.0006 U	0.00068 U	0.00053 U
110-57-6	TRANS-1,4-DICHLORO-2-BUTENE	mg/kg	0.95 U	0.0011 U	0.00088 U	0.001 U	0.0012 U	0.00091 U
79-01-6	TRICHLOROETHYLENE (TCE)	mg/kg	0.45 J	0.031 J	0.009 J	0.075	0.00088 U	0.00068 U
75-69-4	TRICHLOROFLUOROMETHANE	mg/kg	0.086 U	0.00099 U	0.00081 U	0.00094 U	0.0011 U	0.00083 U
75-01-4	VINYL CHLORIDE	mg/kg	0.2 U	0.00099 U	0.00081 U	0.00094 U	0.0011 U	0.00083 U
108-20-3	ISOPROPYL ETHER	mg/kg	0.037 U	0.00054 U	0.00044 U	0.00051 U	0.00058 U	0.00045 U
60-29-7	DIETHYL ETHER (ETHYL ETHER)	mg/kg	0.12 U	0.0022 J	0.0013 U	0.0015 U	0.0018 U	0.0014 U
637-92-3	ETHYL TERT-BUTYL ETHER	mg/kg	0.086 U	0.00054 U	0.00044 U	0.00051 U	0.00058 U	0.00045 U

NYSDEC-Pine Ave Site 2014 Site Investigation Validated Soil Analytical Data		Location ID: Sample ID: Depth: Lab Sample ID: Source: SDG: Matrix: Sampled: Validated:	SS-01 SS-01_042514 0-0.5 ft 14D1023-04 CONTEST 14D01023 SOIL 4/25/2014 8:00 7/13/2014	SS-02 SS-02_042314 0-0.5 ft 14D0923-05 CONTEST 14D0923 SOIL 4/23/2014 14:55 7/13/2014	Dup of SS-02_042314 SS-02 SS-102_042314 0-0.5 ft 14D0923-06 CONTEST 14D0923 SOIL 4/23/2014 14:56 7/13/2014	SS-03 SS-03_042214 0-0.5 ft 14D0849-01 CONTEST 14D0849 SOIL 4/22/2014 15:15 7/13/2014	SB-06 SB-06_04221401 11-13 ft 14D0849-02 CONTEST 14D0849 SOIL 4/22/2014 11:00 7/13/2014	SB-06 SB-06_04221402 17-18.7 ft 14D0849-03 CONTEST 14D0849 SOIL 4/22/2014 13:30 7/13/2014
CAS NO.	COMPOUND	UNITS:						
	SEMIVOLATILES							
95-95-4	2,4,5-TRICHLOROPHENOL	mg/kg	0.82 U	0.19 U	0.18 U	0.38 U	0.22 U	0.19 U
88-06-2	2,4,6-TRICHLOROPHENOL	mg/kg	1 U	0.24 U	0.23 U	0.47 U	0.27 U	0.24 U
120-83-2	2,4-DICHLOROPHENOL	mg/kg	0.48 U	0.11 U	0.11 U	0.22 U	0.13 U	0.11 U
105-67-9	2,4-DIMETHYLPHENOL	mg/kg	0.46 U	0.1 U	0.1 U	0.21 U	0.12 U	0.11 U
51-28-5	2,4-DINITROPHENOL	mg/kg	1.6 U	0.36 UJ	0.35 UJ	0.73 UJ	0.42 UJ	0.36 UJ
121-14-2	2,4-DINITROTOLUENE	mg/kg	0.63 U	0.14 U	0.14 U	0.29 U	0.17 U	0.14 U
606-20-2	2,6-DINITROTOLUENE	mg/kg	0.52 U	0.12 U	0.11 U	0.24 U	0.14 U	0.12 U
91-58-7	2-CHLORONAPHTHALENE	mg/kg	0.5 U	0.11 U	0.11 U	0.23 U	0.13 U	0.11 U
95-57-8	2-CHLOROPHENOL	mg/kg	0.47 U	0.11 U	0.11 U	0.22 U	0.13 U	0.11 U
91-57-6	2-METHYLNAPHTHALENE	mg/kg	0.42 U	0.096 U	0.094 U	0.19 U	0.11 U	0.097 U
95-48-7	2-METHYLPHENOL (O-CRESOL)	mg/kg	0.5 U	0.11 U	0.11 U	0.23 U	0.13 U	0.11 U
88-74-4	2-NITROANILINE	mg/kg	1.1 U	0.25 U	0.25 U	0.51 U	0.29 U	0.25 U
88-75-5	2-NITROPHENOL	mg/kg	0.47 U	0.11 U	0.11 U	0.22 U	0.13 U	0.11 U
91-94-1	3,3'-DICHLOROBENZIDINE	mg/kg	0.73 U	0.17 U	0.16 U	0.34 U	0.19 U	0.17 U
99-09-2	3-NITROANILINE	mg/kg	0.73 U	0.17 U	0.16 U	0.33 U	0.19 U	0.17 U
534-52-1	4,6-DINITRO-2-METHYLPHENOL	mg/kg	0.66 U	0.15 U	0.15 U	0.3 U	0.17 U	0.15 U
101-55-3	4-BROMOPHENYL PHENYL ETHER	mg/kg	0.39 U	0.09 U	0.087 U	0.18 U	0.1 U	0.09 U
59-50-7	4-CHLORO-3-METHYLPHENOL	mg/kg	0.66 U	0.15 U	0.15 U	0.3 U	0.18 U	0.15 U
106-47-8	4-CHLOROANILINE	mg/kg	0.78 U	0.18 U	0.17 U	0.36 U	0.21 U	0.18 U
7005-72-3	4-CHLOROPHENYL PHENYL ETHER	mg/kg	0.54 U	0.12 U	0.12 U	0.25 U	0.14 U	0.12 U
100-01-6	4-NITROANILINE	mg/kg	0.82 U	0.19 U	0.18 U	0.38 U	0.22 U	0.19 U
100-02-7	4-NITROPHENOL	mg/kg	2.8 U	0.64 U	0.62 U	1.3 U	0.74 U	0.64 U
83-32-9	ACENAPHTHENE	mg/kg	0.4 U	0.091 U	0.088 U	0.18 U	0.11 U	0.091 U
208-96-8	ACENAPHTHYLENE	mg/kg	0.38 U	0.088 U	0.085 U	0.18 U	0.1 U	0.088 U
98-86-2	ACETOPHENONE	mg/kg	0.38 U	0.088 UJ	0.085 UJ	0.18 U	0.1 U	0.088 U
120-12-7	ANTHRACENE	mg/kg	0.49 U	0.11 U	0.11 U	0.22 U	0.13 U	0.11 U
56-55-3	BENZO(A)ANTHRACENE	mg/kg	0.36 U	0.14 J	0.13 J	0.76	0.096 U	0.083 U
50-32-8	BENZO(A)PYRENE	mg/kg	0.28 R	0.17 J	0.15 J	0.84	0.075 U	0.064 U
205-99-2	BENZO(B)FLUORANTHENE	mg/kg	0.7 R	0.32	0.28	1.3	0.19 U	0.16 U
191-24-2	BENZO(G,H,I)PERYLENE	mg/kg	0.64 R	0.15 U	0.14 U	0.52	0.17 U	0.15 U
207-08-9	BENZO(K)FLUORANTHENE	mg/kg	0.72 R	0.16 U	0.16 U	0.53	0.19 U	0.16 U
85-68-7	BENZYL BUTYL PHTHALATE	mg/kg	0.64 U	0.18 J	0.15 J	0.29 U	0.17 U	0.15 U

					Dup of SS-02_042314			
NYSDEC-Pine Ave Site 2014 Site Investigation Validated Soil Analytical Data		Location ID:	SS-01	SS-02	SS-02	SS-03	SB-06	SB-06
		Sample ID:	SS-01_042514	SS-02_042314	SS-102_042314	SS-03_042214	SB-06_04221401	SB-06_04221402
		Depth:	0-0.5 ft	0-0.5 ft	0-0.5 ft	0-0.5 ft	11-13 ft	17-18.7 ft
		Lab Sample Id:	14D1023-04	14D0923-05	14D0923-06	14D0849-01	14D0849-02	14D0849-03
		Source:	CONTEST	CONTEST	CONTEST	CONTEST	CONTEST	CONTEST
		SDG:	14D01023	14D0923	14D0923	14D0849	14D0849	14D0849
		Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
		Sampled:	4/25/2014 8:00	4/23/2014 14:55	4/23/2014 14:56	4/22/2014 15:15	4/22/2014 11:00	4/22/2014 13:30
Validated:	7/13/2014	7/13/2014	7/13/2014	7/13/2014	7/13/2014	7/13/2014		
CAS NO.	COMPOUND	UNITS:						
	SEMIVOLATILES							
111-91-1	BIS(2-CHLOROETHOXY) METHANE	mg/kg	0.59 U	0.13 U	0.13 U	0.27 U	0.16 U	0.13 U
111-44-4	BIS(2-CHLOROETHYL) ETHER	mg/kg	0.64 U	0.15 U	0.14 U	0.29 U	0.17 U	0.15 U
117-81-7	BIS(2-ETHYLHEXYL) PHTHALATE	mg/kg	0.36 U	0.53 J	0.35 UJ	25	0.42 U	0.36 U
86-74-8	CARBAZOLE	mg/kg	0.58 U	0.13 U	0.13 U	0.27 U	0.15 U	0.13 U
218-01-9	CHRYSENE	mg/kg	0.52 U	0.19	0.19	0.96	0.14 U	0.12 U
53-70-3	DIBENZ(A,H)ANTHRACENE	mg/kg	0.45 R	0.1 U	0.1 U	0.21 U	0.12 U	0.1 U
132-64-9	DIBENZOFURAN	mg/kg	0.37 U	0.084 U	0.082 U	0.17 U	0.098 U	0.085 U
84-66-2	DIETHYL PHTHALATE	mg/kg	0.54 U	0.12 U	0.12 U	0.25 U	0.14 U	0.12 U
131-11-3	DIMETHYL PHTHALATE	mg/kg	0.62 U	0.14 U	0.14 U	0.28 U	0.16 U	0.14 U
84-74-2	DI-N-BUTYL PHTHALATE	mg/kg	0.68 U	0.15 U	0.15 U	0.31 U	0.18 U	0.16 U
117-84-0	DI-N-OCTYLPHTHALATE	mg/kg	2.2 R	0.5 U	0.48 U	1 U	0.58 U	0.5 U
206-44-0	FLUORANTHENE	mg/kg	0.72 U	0.21	0.25	1.6	0.19 U	0.16 U
86-73-7	FLUORENE	mg/kg	0.61 U	0.14 U	0.14 U	0.28 U	0.16 U	0.14 U
118-74-1	HEXACHLOROBENZENE	mg/kg	0.73 U	0.17 U	0.16 U	0.33 U	0.19 U	0.17 U
77-47-4	HEXACHLOROCYCLOPENTADIENE	mg/kg	1 U	0.24 UJ	0.23 UJ	0.48 U	0.28 U	0.24 U
67-72-1	HEXACHLOROETHANE	mg/kg	0.44 U	0.1 U	0.099 U	0.2 U	0.12 U	0.1 U
193-39-5	INDENO(1,2,3-C,D)PYRENE	mg/kg	0.52 R	0.12 U	0.12 U	0.59	0.14 U	0.12 U
78-59-1	ISOPHORONE	mg/kg	0.46 U	0.1 U	0.1 U	0.21 U	0.12 U	0.11 U
98-95-3	NITROBENZENE	mg/kg	0.44 U	0.1 U	0.098 U	0.2 U	0.12 U	0.1 U
62-75-9	N-NITROSODIMETHYLAMINE	mg/kg	0.64 U	0.15 UJ	0.14 UJ	0.3 UJ	0.17 UJ	0.15 UJ
621-64-7	N-NITROSODI-N-PROPYLAMINE	mg/kg	0.51 U	0.12 U	0.11 U	0.23 U	0.13 U	0.12 U
86-30-6	N-NITROSODIPHENYLAMINE	mg/kg	0.74 U	0.17 U	0.16 U	0.34 U	0.2 U	0.17 U
82-68-8	PENTACHLORONITROBENZENE	mg/kg	0.37 U	0.085 UJ	0.083 UJ	0.17 U	0.099 U	0.086 U
87-86-5	PENTACHLOROPHENOL	mg/kg	0.62 U	0.14 UJ	0.14 UJ	0.29 UJ	0.17 UJ	0.14 UJ
85-01-8	PHENANTHRENE	mg/kg	0.43 U	0.1 J	0.095 U	0.87	0.11 U	0.098 U
108-95-2	PHENOL	mg/kg	0.42 U	0.096 U	0.094 U	0.19 U	0.11 U	0.097 U
129-00-0	PYRENE	mg/kg	0.55 U	0.14 J	0.14 J	1	0.15 U	0.13 U
110-86-1	PYRIDINE	mg/kg	0.66 U	0.15 U	0.15 U	0.3 U	0.18 U	0.15 U
122-66-7	1,2-DIPHENYLHYDRAZINE	mg/kg	0.76 U	0.17 U	0.17 U	0.35 U	0.2 U	0.17 U
62-53-3	ANILINE	mg/kg	1.2 U	0.28 U	0.27 U	0.56 U	0.32 U	0.28 U
65-85-0	BENZOIC ACID	mg/kg	R	R	R	R	R	R
90-12-0	1-METHYLNAPHTHALENE	mg/kg	0.3 U	0.069 U	0.068 U	0.14 U	0.081 U	0.07 U
92-87-5	BENZIDINE	mg/kg	2.2 U	0.49 UJ	0.48 UJ	0.99 U	0.57 U	0.49 U
95-94-3	1,2,4,5-TETRACHLOROBENZENE	mg/kg	0.93 U	0.21 UJ	0.21 UJ	0.43 U	0.25 U	0.21 U

NYSDEC-Pine Ave Site 2014 Site Investigation Validated Soil Analytical Data		Location ID: Sample ID: Depth: Lab Sample Id: Source: SDG: Matrix: Sampled: Validated:	SS-01 SS-01_042514 0-0.5 ft 14D1023-04 CONTEST 14D01023 SOIL 4/25/2014 8:00 7/13/2014	SS-02 SS-02_042314 0-0.5 ft 14D0923-05 CONTEST 14D0923 SOIL 4/23/2014 14:55 7/13/2014	Dup of SS-02_042314 SS-02 SS-102_042314 0-0.5 ft 14D0923-06 CONTEST 14D0923 SOIL 4/23/2014 14:56 7/13/2014	SS-03 SS-03_042214 0-0.5 ft 14D0849-01 CONTEST 14D0849 SOIL 4/22/2014 15:15 7/13/2014	SB-06 SB-06_04221401 11-13 ft 14D0849-02 CONTEST 14D0849 SOIL 4/22/2014 11:00 7/13/2014	SB-06 SB-06_04221402 17-18.7 ft 14D0849-03 CONTEST 14D0849 SOIL 4/22/2014 13:30 7/13/2014
CAS NO.	COMPOUND	UNITS:						
	PESTICIDES							
309-00-2	ALDRIN	mg/kg	0.00035 U	0.00031 U	0.00031 U	0.00032 U	0.00037 U	0.00031 U
319-84-6	ALPHA BHC	mg/kg	0.00047 U	0.00041 U	0.00042 U	0.00042 U	0.00049 U	0.00041 U
959-98-8	ALPHA ENDOSULFAN	mg/kg	0.00047 U	0.00041 U	0.00042 U	0.00042 U	0.00049 U	0.00041 U
319-85-7	BETA BHC	mg/kg	0.00059 U	0.00052 U	0.00052 U	0.00053 U	0.00061 U	0.00052 U
33213-65-9	BETA ENDOSULFAN	mg/kg	0.00035 U	0.00031 U	0.00031 U	0.00032 U	0.00037 U	0.00031 U
57-74-9	CHLORDANE	mg/kg	0.0068 U	0.006 U	0.006 U	0.0061 U	0.0071 U	0.006 U
319-86-8	DELTA BHC	mg/kg	0.00047 U	0.00041 U	0.00042 U	0.00042 U	0.00049 U	0.00041 U
60-57-1	DIELDRIN	mg/kg	0.00035 U	0.0057 J	0.00031 UJ	0.00032 U	0.00037 U	0.00031 U
1031-07-8	ENDOSULFAN SULFATE	mg/kg	0.0015 U	0.0013 U	0.0014 U	0.0014 U	0.0016 U	0.0013 U
72-20-8	ENDRIN	mg/kg	0.00035 U	0.00031 U	0.00031 U	0.00032 U	0.00037 U	0.00031 U
7421-93-4	ENDRIN ALDEHYDE	mg/kg	0.0014 U	0.0012 U	0.0012 U	0.0013 U	0.0015 U	0.0012 U
53494-70-5	ENDRIN KETONE	mg/kg	0.00047 U	0.00041 U	0.00042 U	0.00042 U	0.00049 U	0.00041 U
58-89-9	GAMMA BHC (LINDANE)	mg/kg	0.00059 U	0.00052 U	0.00052 U	0.00053 U	0.00061 U	0.00052 U
76-44-8	HEPTACHLOR	mg/kg	0.00059 U	0.00052 U	0.00052 U	0.00053 U	0.00061 U	0.00052 U
1024-57-3	HEPTACHLOR EPOXIDE	mg/kg	0.00047 U	0.00041 U	0.00042 U	0.00042 U	0.00049 U	0.00041 U
72-43-5	METHOXYCHLOR	mg/kg	0.0007 U	0.00062 U	0.00062 U	0.00063 U	0.00073 U	0.00062 U
72-54-8	P,P'-DDD	mg/kg	0.0013	0.0021 J	0.00042 U	0.0053	0.00049 U	0.00041 U
72-55-9	P,P'-DDE	mg/kg	0.0034	0.007 J	0.0014 J	0.007	0.00037 U	0.00031 U
50-29-3	P,P'-DDT	mg/kg	0.01	0.018 J	0.0035 J	0.028 J	0.00049 U	0.00041 U
8001-35-2	TOXAPHENE	mg/kg	0.05 U	0.044 U	0.045 U	0.045 U	0.052 U	0.045 U
	PCBs							
12674-11-2	PCB-1016 (AROCLOR 1016)	mg/kg	0.0073 U	0.0064 U	0.0065 U	0.0065 U	0.0076 U	0.0064 U
11104-28-2	PCB-1221 (AROCLOR 1221)	mg/kg	0.023 U	0.02 U	0.02 U	0.021 U	0.024 U	0.02 U
11141-16-5	PCB-1232 (AROCLOR 1232)	mg/kg	0.015 U	0.013 U	0.013 U	0.013 U	0.015 U	0.013 U
53469-21-9	PCB-1242 (AROCLOR 1242)	mg/kg	0.012 U	0.011 U	0.011 U	0.011 U	0.012 U	0.011 U
12672-29-6	PCB-1248 (AROCLOR 1248)	mg/kg	0.014 U	0.012 U	0.012 U	0.012 U	0.014 U	0.012 U
11097-69-1	PCB-1254 (AROCLOR 1254)	mg/kg	0.01 U	0.067 J	0.009 UJ	0.0091 U	0.01 U	0.0089 U
11096-82-5	PCB-1260 (AROCLOR 1260)	mg/kg	0.011 U	0.0099 U	0.01 U	0.16	0.012 U	0.0099 U
37324-23-5	PCB-1262 (AROCLOR 1262)	mg/kg	0.0096 U	0.0085 U	0.0085 U	0.0086 U	0.01 U	0.0085 U
11100-14-4	PCB-1268 (AROCLOR 1268)	mg/kg	0.014 U	0.012 U	0.012 U	0.013 U	0.015 U	0.012 U
	HERBICIDES							
94-75-7	2,4-D	ug/kg	2.5 U	2.3 U	2.2 U	2.4 U	2.7 U	2.3 U
93-72-1	SILVEX (2,4,5-TP)	ug/kg	0.31 U	0.29 U	0.28 U	0.3 U	0.34 U	0.29 U
75-99-0	DALAPON	ug/kg	4.3 U	4 U	3.9 U	4.1 U	4.7 U	4 U
1918-00-9	DICAMBA	ug/kg	0.4 U	0.37 U	0.36 U	0.38 U	0.43 U	0.37 U
120-36-5	DICHLOROPROP	ug/kg	5.4 U	5 U	4.9 U	5.1 U	5.9 U	5 U
88-85-7	DINOSEB	ug/kg	0.59 U	0.55 U	0.54 U	0.56 U	0.65 U	0.55 U
94-74-6	MCPA	ug/kg	430 U	410 U	390 U	410 U	470 U	400 U
93-65-2	MCPP	ug/kg	380 U	350 U	340 U	360 U	410 U	350 U
15972-60-8	ALACHLOR	mg/kg	0.0013 U	0.0011 U	0.0011 U	0.0012 U	0.0013 U	0.0011 U
93-76-5	2,4,5-T	ug/kg	0.38 U	0.36 U	0.35 U	0.37 U	0.42 U	0.36 U
94-82-6	2,4 DB	ug/kg	5.7 U	5.3 U	5.1 U	5.4 U	6.2 U	5.3 U

NYSDEC-Pine Ave Site 2014 Site Investigation Validated Soil Analytical Data		Location ID:	SS-01	SS-02	Dup of SS-02_042314	SS-03	SB-06	SB-06
		Sample ID:	SS-01_042514	SS-02_042314	SS-102_042314	SS-03_042214	SB-06_04221401	SB-06_04221402
		Depth:	0-0.5 ft	0-0.5 ft	0-0.5 ft	0-0.5 ft	11-13 ft	17-18.7 ft
		Lab Sample Id:	14D1023-04	14D0923-05	14D0923-06	14D0849-01	14D0849-02	14D0849-03
		Source:	CONTEST	CONTEST	CONTEST	CONTEST	CONTEST	CONTEST
		SDG:	14D01023	14D0923	14D0923	14D0849	14D0849	14D0849
		Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
		Sampled:	4/25/2014 8:00	4/23/2014 14:55	4/23/2014 14:56	4/22/2014 15:15	4/22/2014 11:00	4/22/2014 13:30
		Validated:	7/13/2014	7/13/2014	7/13/2014	7/13/2014	7/13/2014	7/13/2014
CAS NO.	COMPOUND	UNITS:						
	INORGANICS							
7429-90-5	ALUMINUM	mg/kg	1700 J	3300	2500	5600	12000	2500
7440-36-0	ANTIMONY	mg/kg	2.3 U	2.1 U	2.1 U	2.1 U	2.4 U	2.1 U
7440-38-2	ARSENIC	mg/kg	7.4	10	9.9	9.3	4	7.2
7440-39-3	BARIUM	mg/kg	22 J	73	49	240	100	28
7440-41-7	BERYLLIUM	mg/kg	0.16 J	0.26 J	0.61 J	0.41	0.65	0.16 J
7440-43-9	CADMIUM	mg/kg	0.5 J	2.2	2.7	70	0.27 J	1.5
7440-70-2	CALCIUM	mg/kg	150000 J	160000	180000	68000	45000	160000
7440-47-3	CHROMIUM, TOTAL	mg/kg	7.4	130 J	39 J	240	19	4.9
7440-48-4	COBALT	mg/kg	1.3 J	2.7	2.2 J	6.2	10	2.1 J
7440-50-8	COPPER	mg/kg	11	23	15	44	16	8.1
7439-89-6	IRON	mg/kg	4800 J	9100	7500	29000	22000	6200
7439-92-1	LEAD	mg/kg	47	150	100	300	7.9	34
7439-95-4	MAGNESIUM	mg/kg	69000	84000	79000	34000	11000	77000
7439-96-5	MANGANESE	mg/kg	400	680	610	590	670	560
7439-97-6	MERCURY	mg/kg	0.054	0.34 J	0.092 J	0.59	0.012 J	0.0097 J
7440-02-0	NICKEL	mg/kg	6.3 J	13	8.8	35	22	4.1
7440-09-7	POTASSIUM	mg/kg	530	920	1000	960	2500	900
7782-49-2	SELENIUM	mg/kg	0.87 U	0.82 U	0.8 U	0.82 U	0.93 U	0.79 U
7440-22-4	SILVER	mg/kg	0.5 U	0.47 U	0.46 U	0.47 U	0.53 U	0.45 U
7440-23-5	SODIUM	mg/kg	320 J	670	990	500	180	220
7440-28-0	THALLIUM	mg/kg	0.94 U	0.88 U	0.86 U	0.88 U	1 U	0.85 U
7440-62-2	VANADIUM	mg/kg	9.3	6.6 J	3.9 J	17	25	3.4
7440-66-6	ZINC	mg/kg	79 J	300	470	350	48	310
57-12-5	CYANIDE	mg/kg	0.34 U	0.35 J	0.32 U	0.53 J	0.39 U	0.32 U
	OTHER							
SOLID	SOLIDS, PERCENT	%	85.4	93.3	95.1	92.1	79.7	92.9

NYSDEC-Pine Ave Site 2014 Site Investigation Validated Soil Analytical Data		Location ID: Sample ID: Depth: Lab Sample Id: Source: SDG: Matrix: Sampled: Validated:	SB-07 SB-07_04241401 11-13 ft 14D0981-01 CONTEST 14D0981 SOIL 4/24/2014 9:45 7/13/2014	SB-07 SB-07_04241402 15-17 ft 14D0981-02 CONTEST 14D0981 SOIL 4/24/2014 10:00 7/13/2014	SB-09 SB-09_04241401 5-7 ft 14D0981-03 CONTEST 14D0981 SOIL 4/24/2014 13:05 7/13/2014	SB-09 SB-09_04241402 15-16.3 ft 14D0981-04 CONTEST 14D0981 SOIL 4/24/2014 13:20 7/13/2014	MW-02 MW-02_042514_5_7 5-7 ft 14D1023-01 CONTEST 14D01023 SOIL 4/25/2014 8:30 7/13/2014	MW-02 MW-02_042514_15_17 15-17 ft 14D1023-02 CONTEST 14D01023 SOIL 4/25/2014 8:45 7/13/2014
CAS NO.	COMPOUND	UNITS:						
	VOLATILES							
630-20-6	1,1,1,2-TETRACHLOROETHANE	mg/kg	0.00096 U	0.00068 U	0.00071 U	0.00062 U	0.091 U	0.069 U
71-55-6	1,1,1-TRICHLOROETHANE	mg/kg	0.0011 U	0.00075 U	0.00079 U	0.00069 U	0.057 U	0.043 U
79-34-5	1,1,2,2-TETRACHLOROETHANE	mg/kg	0.00096 U	0.00068 U	0.00071 U	0.00062 U	0.21 U	0.15 U
76-13-1	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	mg/kg	0.00096 U	0.00068 U	0.00071 U	0.00062 U	0.13 U	0.094 U
79-00-5	1,1,2-TRICHLOROETHANE	mg/kg	0.0013 U	0.0009 U	0.00095 U	0.00083 U	0.091 U	0.069 U
75-34-3	1,1-DICHLOROETHANE	mg/kg	0.00075 U	0.00053 U	0.00056 U	0.00049 U	0.1 U	0.077 U
75-35-4	1,1-DICHLOROETHENE	mg/kg	0.0012 U	0.00083 U	0.00087 U	0.00076 U	0.11 U	0.086 U
563-58-6	1,1-DICHLOROPROPENE	mg/kg	0.00096 U	0.00068 U	0.00071 U	0.00062 U	0.11 U	0.086 U
87-61-6	1,2,3-TRICHLOROBENZENE	mg/kg	0.00064 U	0.00045 U	0.00048 U	0.00042 U	0.25 U	0.19 U
96-18-4	1,2,3-TRICHLOROPROPANE	mg/kg	0.0012 U	0.00083 U	0.00087 U	0.00076 U	0.24 U	0.18 U
120-82-1	1,2,4-TRICHLOROBENZENE	mg/kg	0.00085 U	0.0006 U	0.00064 U	0.00055 U	0.13 U	0.094 U
95-63-6	1,2,4-TRIMETHYLBENZENE	mg/kg	0.00085 UJ	0.0028 J	0.00064 UJ	0.00055 UJ	0.069 U	0.051 U
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	mg/kg	0.0012 U	0.00083 U	0.00087 U	0.00076 U	0.55 U	0.41 U
106-93-4	1,2-DIBROMOETHANE	mg/kg	0.0011 U	0.00075 U	0.00079 U	0.00069 U	0.16 U	0.12 U
95-50-1	1,2-DICHLOROBENZENE	mg/kg	0.00075 U	0.00053 U	0.00056 U	0.00049 U	0.069 U	0.051 U
107-06-2	1,2-DICHLOROETHANE	mg/kg	0.0014 U	0.00098 U	0.001 U	0.0009 U	0.1 U	0.077 U
78-87-5	1,2-DICHLOROPROPANE	mg/kg	0.0014 U	0.00098 U	0.001 U	0.0009 U	0.23 U	0.17 U
108-70-3	1,3,5-TRICHLOROBENZENE	mg/kg	0.00075 U	0.00053 U	0.00056 U	0.00049 U	0.46 U	0.34 U
108-67-8	1,3,5-TRIMETHYLBENZENE (MESITYLENE)	mg/kg	0.00064 UJ	0.0023 J	0.00048 UJ	0.00042 UJ	0.069 U	0.051 U
541-73-1	1,3-DICHLOROBENZENE	mg/kg	0.00075 U	0.00053 U	0.00056 U	0.00049 U	0.069 U	0.051 U
142-28-9	1,3-DICHLOROPROPANE	mg/kg	0.00075 U	0.00053 U	0.00056 U	0.00049 U	0.091 U	0.069 U
106-46-7	1,4-DICHLOROBENZENE	mg/kg	0.00085 U	0.0006 U	0.00064 U	0.00055 U	0.13 U	0.094 U
123-91-1	1,4-DIOXANE (P-DIOXANE)	mg/kg	R	R	R	R	R	R
594-20-7	2,2-DICHLOROPROPANE	mg/kg	0.00096 UJ	0.00068 UJ	0.00071 UJ	0.00062 UJ	0.15 U	0.11 U
39638-32-9	2,2-OXYBIS(2-CHLOROPROPANE)	mg/kg	0.18 U	0.15 U	0.17 U	0.15 U	0.17 U	0.15 U
95-49-8	2-CHLOROTOLUENE	mg/kg	0.00085 U	0.0006 U	0.00064 U	0.00055 U	0.057 U	0.043 U
591-78-6	2-HEXANONE	mg/kg	0.012 U	0.0082 U	0.0087 U	0.0076 U	0.75 U	0.57 U
MEPH3MEPH	3+4-Methylphenols	mg/kg	0.25 U	0.2 U	0.23 U	0.21 U	0.23 U	0.21 U
106-43-4	4-CHLOROTOLUENE	mg/kg	0.00085 U	0.0006 U	0.00064 U	0.00055 U	0.057 U	0.043 U
67-64-1	ACETONE	mg/kg	0.025 U	0.018 U	0.019 U	0.016 U	0.62 UJ	0.46 UJ
107-13-1	ACRYLONITRILE	mg/kg	0.0027 U	0.0019 U	0.002 U	0.0017 U	0.58 U	0.44 U
71-43-2	BENZENE	mg/kg	0.00075 U	0.0008 J	0.00056 U	0.00049 U	0.057 U	0.043 U
108-86-1	BROMOBENZENE	mg/kg	0.00085 U	0.0006 U	0.00064 U	0.00055 U	0.11 U	0.086 U
74-97-5	BROMOCHLOROMETHANE	mg/kg	0.0015 U	0.0011 U	0.0011 U	0.00097 U	0.11 U	0.086 U
75-27-4	BROMODICHLOROMETHANE	mg/kg	0.00064 U	0.00045 U	0.00048 U	0.00042 U	0.091 U	0.069 U
75-25-2	BROMOFORM	mg/kg	0.0015 U	0.0011 U	0.0011 U	0.00097 U	0.29 U	0.21 U
74-83-9	BROMOMETHANE	mg/kg	0.0018 UJ	0.0013 UJ	0.0014 UJ	0.0012 UJ	0.43 U	0.33 U
994-05-8	BUTANE, 2-METHOXY-2-METHYL	mg/kg	0.00075 U	0.00053 U	0.00056 U	0.00049 U	0.13 U	0.094 U

NYSDEC-Pine Ave Site 2014 Site Investigation Validated Soil Analytical Data		Location ID: Sample ID: Depth: Lab Sample Id: Source: SDG: Matrix: Sampled: Validated:	SB-07 SB-07_04241401 11-13 ft 14D0981-01 CONTEST 14D0981 SOIL 4/24/2014 9:45 7/13/2014	SB-07 SB-07_04241402 15-17 ft 14D0981-02 CONTEST 14D0981 SOIL 4/24/2014 10:00 7/13/2014	SB-09 SB-09_04241401 5-7 ft 14D0981-03 CONTEST 14D0981 SOIL 4/24/2014 13:05 7/13/2014	SB-09 SB-09_04241402 15-16.3 ft 14D0981-04 CONTEST 14D0981 SOIL 4/24/2014 13:20 7/13/2014	MW-02 MW-02_042514_5_7 5-7 ft 14D1023-01 CONTEST 14D01023 SOIL 4/25/2014 8:30 7/13/2014	MW-02 MW-02_042514_15_17 15-17 ft 14D1023-02 CONTEST 14D01023 SOIL 4/25/2014 8:45 7/13/2014
CAS NO.	COMPOUND	UNITS:						
	VOLATILES							
75-15-0	CARBON DISULFIDE	mg/kg	0.0035 U	0.0025 U	0.0026 U	0.0023 U	0.057 U	0.043 U
56-23-5	CARBON TETRACHLORIDE	mg/kg	0.00085 U	0.0006 U	0.00064 U	0.00055 U	0.1 U	0.077 U
108-90-7	CHLOROBENZENE	mg/kg	0.00075 U	0.00053 U	0.00056 U	0.00049 U	0.057 U	0.043 U
75-00-3	CHLOROETHANE	mg/kg	0.0016 U	0.0011 U	0.0012 U	0.001 U	0.38 U	0.28 U
67-66-3	CHLOROFORM	mg/kg	0.00075 U	0.00053 U	0.00056 U	0.00049 U	0.046 U	0.034 U
74-87-3	CHLOROMETHANE	mg/kg	0.00096 U	0.00068 U	0.00071 U	0.00062 U	0.15 U	0.11 U
156-59-2	CIS-1,2-DICHLOROETHYLENE	mg/kg	0.00085 U	0.0006 U	0.0053	0.00055 U	0.31 J	0.45 J
10061-01-5	CIS-1,3-DICHLOROPROPENE	mg/kg	0.00075 UJ	0.00053 UJ	0.00056 UJ	0.00049 UJ	0.08 U	0.06 U
99-87-6	CYMENE	mg/kg	0.00085 U	0.0006 U	0.00064 U	0.00055 U	0.069 U	0.051 U
124-48-1	DIBROMOCHLOROMETHANE	mg/kg	0.00075 U	0.00053 U	0.00056 U	0.00049 U	0.14 U	0.1 U
74-95-3	DIBROMOMETHANE	mg/kg	0.00064 U	0.00045 U	0.00048 U	0.00042 U	0.091 U	0.069 U
75-71-8	DICHLORODIFLUOROMETHANE	mg/kg	0.0014 U	0.00098 U	0.001 U	0.0009 U	0.046 U	0.034 U
100-41-4	ETHYLBENZENE	mg/kg	0.00085 UJ	0.0022 J	0.00064 UJ	0.00055 UJ	0.057 U	0.043 U
87-68-3	HEXACHLOROBUTADIENE	mg/kg	0.14 U	0.12 U	0.14 U	0.12 U	0.13 U	0.12 U
98-82-8	ISOPROPYLBENZENE (CUMENE)	mg/kg	0.00075 UJ	0.00053 UJ	0.00056 UJ	0.00049 UJ	0.069 U	0.051 U
79601-23-1	M AND P XYLENES	mg/kg	0.0018 UJ	0.0056 J	0.0014 UJ	0.0012 UJ	0.08 U	0.06 U
78-93-3	METHYL ETHYL KETONE (2-BUTANONE)	mg/kg	0.019 U	0.013 U	0.014 U	0.012 U	0.47 U	0.35 U
108-10-1	METHYL ISOBUTYL KETONE	mg/kg	0.0081 U	0.0057 U	0.006 U	0.0053 U	0.25 U	0.19 U
75-09-2	METHYLENE CHLORIDE	mg/kg	0.0076 UJ	0.0053 UJ	0.0056 UJ	0.0049 UJ	2.5 U	1.9 U
91-20-3	NAPHTHALENE	mg/kg	0.098 U	0.08 U	0.092 U	0.084 U	0.091 U	0.082 U
104-51-8	N-BUTYLBENZENE	mg/kg	0.00075 UJ	0.00053 UJ	0.00056 UJ	0.00049 UJ	0.057 U	0.043 U
103-65-1	N-PROPYLBENZENE	mg/kg	0.00075 UJ	0.00053 UJ	0.00056 UJ	0.00049 UJ	0.046 U	0.034 U
95-47-6	O-XYLENE (1,2-DIMETHYLBENZENE)	mg/kg	0.00075 UJ	0.0029 J	0.00056 UJ	0.00049 UJ	0.057 U	0.043 U
135-98-8	SEC-BUTYLBENZENE	mg/kg	0.0011 UJ	0.00075 UJ	0.00079 UJ	0.00069 UJ	0.057 U	0.043 U
100-42-5	STYRENE	mg/kg	0.00064 UJ	0.00045 UJ	0.00048 UJ	0.00042 UJ	0.069 U	0.051 U
98-06-6	T-BUTYLBENZENE	mg/kg	0.00096 UJ	0.00068 UJ	0.00071 UJ	0.00062 UJ	0.057 U	0.043 U
75-65-0	TERT-BUTYL ALCOHOL	mg/kg	0.022 U	0.016 U	0.017 U	0.014 U	4 U	3 U
1634-04-4	TERT-BUTYL METHYL ETHER	mg/kg	0.00096 U	0.00068 U	0.00071 U	0.00062 U	0.057 U	0.043 U
127-18-4	TETRACHLOROETHYLENE(PCE)	mg/kg	0.0014 U	0.00098 U	0.045	0.0023	140	75
109-99-9	TETRAHYDROFURAN	mg/kg	0.0024 U	0.0017 U	0.0017 U	0.0015 U	1.1 U	0.86 U
108-88-3	TOLUENE	mg/kg	0.00085 UJ	0.0035 J	0.00064 UJ	0.0017 J	0.046 U	0.034 U
156-60-5	TRANS-1,2-DICHLOROETHENE	mg/kg	0.00096 U	0.00068 U	0.00071 U	0.00062 U	0.08 U	0.06 U
10061-02-6	TRANS-1,3-DICHLOROPROPENE	mg/kg	0.00075 UJ	0.00053 UJ	0.00056 UJ	0.00049 UJ	0.14 U	0.1 U
110-57-6	TRANS-1,4-DICHLORO-2-BUTENE	mg/kg	0.0013 U	0.0009 U	0.00095 U	0.00083 U	0.88 U	0.66 U
79-01-6	TRICHLOROETHYLENE (TCE)	mg/kg	0.00096 U	0.00068 U	0.0091	0.00062 U	0.78 J	1.6
75-69-4	TRICHLOROFLUOROMETHANE	mg/kg	0.0012 U	0.00083 U	0.00087 U	0.00076 U	0.08 U	0.06 U
75-01-4	VINYL CHLORIDE	mg/kg	0.0012 U	0.00083 U	0.00087 U	0.00076 U	0.18 U	0.14 U
108-20-3	ISOPROPYL ETHER	mg/kg	0.00064 U	0.00045 U	0.00048 U	0.00042 U	0.034 U	0.026 U
60-29-7	DIETHYL ETHER (ETHYL ETHER)	mg/kg	0.0025 J	0.0014 U	0.0014 U	0.0012 U	0.11 U	0.086 U
637-92-3	ETHYL TERT-BUTYL ETHER	mg/kg	0.00064 U	0.00045 U	0.00048 U	0.00042 U	0.08 U	0.06 U

NYSDEC-Pine Ave Site 2014 Site Investigation Validated Soil Analytical Data		Location ID: Sample ID: Depth: Lab Sample Id: Source: SDG: Matrix: Sampled: Validated:	SB-07 SB-07_04241401 11-13 ft 14D0981-01 CONTEST 14D0981 SOIL 4/24/2014 9:45 7/13/2014	SB-07 SB-07_04241402 15-17 ft 14D0981-02 CONTEST 14D0981 SOIL 4/24/2014 10:00 7/13/2014	SB-09 SB-09_04241401 5-7 ft 14D0981-03 CONTEST 14D0981 SOIL 4/24/2014 13:05 7/13/2014	SB-09 SB-09_04241402 15-16.3 ft 14D0981-04 CONTEST 14D0981 SOIL 4/24/2014 13:20 7/13/2014	MW-02 MW-02_042514_5_7 5-7 ft 14D1023-01 CONTEST 14D01023 SOIL 4/25/2014 8:30 7/13/2014	MW-02 MW-02_042514_15_17 15-17 ft 14D1023-02 CONTEST 14D01023 SOIL 4/25/2014 8:45 7/13/2014
CAS NO.	COMPOUND	UNITS:						
	SEMIVOLATILES							
95-95-4	2,4,5-TRICHLOROPHENOL	mg/kg	0.23 U	0.19 U	0.22 U	0.2 U	0.21 U	0.19 U
88-06-2	2,4,6-TRICHLOROPHENOL	mg/kg	0.29 U	0.23 U	0.27 U	0.25 U	0.27 U	0.24 U
120-83-2	2,4-DICHLOROPHENOL	mg/kg	0.13 U	0.11 U	0.13 U	0.11 U	0.12 U	0.11 U
105-67-9	2,4-DIMETHYLPHENOL	mg/kg	0.13 U	0.1 U	0.12 U	0.11 U	0.12 U	0.11 U
51-28-5	2,4-DINITROPHENOL	mg/kg	0.44 UJ	0.36 UJ	0.42 UJ	0.38 UJ	0.41 U	0.37 U
121-14-2	2,4-DINITROTOLUENE	mg/kg	0.17 U	0.14 U	0.16 U	0.15 U	0.16 U	0.15 U
606-20-2	2,6-DINITROTOLUENE	mg/kg	0.14 U	0.12 U	0.14 U	0.12 U	0.13 U	0.12 U
91-58-7	2-CHLORONAPHTHALENE	mg/kg	0.14 U	0.11 U	0.13 U	0.12 U	0.13 U	0.12 U
95-57-8	2-CHLOROPHENOL	mg/kg	0.13 U	0.11 U	0.12 U	0.11 U	0.12 U	0.11 U
91-57-6	2-METHYLNAPHTHALENE	mg/kg	0.12 U	0.096 U	0.11 U	0.1 U	0.11 U	0.099 U
95-48-7	2-METHYLPHENOL (O-CRESOL)	mg/kg	0.14 U	0.11 U	0.13 U	0.12 U	0.13 U	0.12 U
88-74-4	2-NITROANILINE	mg/kg	0.31 U	0.25 U	0.29 U	0.26 U	0.29 U	0.26 U
88-75-5	2-NITROPHENOL	mg/kg	0.13 U	0.11 U	0.12 U	0.11 U	0.12 U	0.11 U
91-94-1	3,3'-DICHLOROBENZIDINE	mg/kg	0.2 U	0.17 U	0.19 U	0.17 U	0.19 U	0.17 U
99-09-2	3-NITROANILINE	mg/kg	0.2 U	0.17 U	0.19 U	0.17 U	0.19 U	0.17 U
534-52-1	4,6-DINITRO-2-METHYLPHENOL	mg/kg	0.18 U	0.15 U	0.17 U	0.16 U	0.17 U	0.15 U
101-55-3	4-BROMOPHENYL PHENYL ETHER	mg/kg	0.11 U	0.09 U	0.1 U	0.094 U	0.1 U	0.092 U
59-50-7	4-CHLORO-3-METHYLPHENOL	mg/kg	0.18 U	0.15 U	0.17 U	0.16 U	0.17 U	0.15 U
106-47-8	4-CHLOROANILINE	mg/kg	0.22 U	0.18 U	0.2 U	0.18 U	0.2 U	0.18 U
7005-72-3	4-CHLOROPHENYL PHENYL ETHER	mg/kg	0.15 U	0.12 U	0.14 U	0.13 U	0.14 U	0.13 U
100-01-6	4-NITROANILINE	mg/kg	0.23 U	0.19 U	0.22 U	0.19 U	0.21 U	0.19 U
100-02-7	4-NITROPHENOL	mg/kg	0.78 U	0.64 U	0.73 U	0.66 U	0.72 U	0.65 U
83-32-9	ACENAPHTHENE	mg/kg	0.11 U	0.091 U	0.1 U	0.095 U	0.1 U	0.093 U
208-96-8	ACENAPHTHYLENE	mg/kg	0.11 U	0.087 U	0.1 U	0.091 U	0.099 U	0.09 U
98-86-2	ACETOPHENONE	mg/kg	0.11 UJ	0.087 UJ	0.1 UJ	0.091 UJ	0.099 U	0.09 U
120-12-7	ANTHRACENE	mg/kg	0.14 U	0.11 U	0.13 U	0.12 U	0.13 U	0.11 U
56-55-3	BENZO(A)ANTHRACENE	mg/kg	0.1 U	0.082 U	0.095 U	0.086 U	0.093 U	0.085 U
50-32-8	BENZO(A)PYRENE	mg/kg	0.078 U	0.064 U	0.074 U	0.067 U	0.073 U	0.066 U
205-99-2	BENZO(B)FLUORANTHENE	mg/kg	0.19 UJ	0.16 UJ	0.18 UJ	0.17 UJ	0.18 U	0.16 U
191-24-2	BENZO(G,H,I)PERYLENE	mg/kg	0.18 U	0.15 U	0.17 U	0.15 U	0.17 U	0.15 U
207-08-9	BENZO(K)FLUORANTHENE	mg/kg	0.2 UJ	0.16 UJ	0.19 UJ	0.17 UJ	0.19 U	0.17 U
85-68-7	BENZYL BUTYL PHTHALATE	mg/kg	0.18 U	0.14 U	0.17 U	0.15 U	0.16 U	0.15 U

NYSDEC-Pine Ave Site 2014 Site Investigation Validated Soil Analytical Data		Location ID: Sample ID: Depth: Lab Sample Id: Source: SDG: Matrix: Sampled: Validated:	SB-07 SB-07_04241401 11-13 ft 14D0981-01 CONTEST 14D0981 SOIL 4/24/2014 9:45 7/13/2014	SB-07 SB-07_04241402 15-17 ft 14D0981-02 CONTEST 14D0981 SOIL 4/24/2014 10:00 7/13/2014	SB-09 SB-09_04241401 5-7 ft 14D0981-03 CONTEST 14D0981 SOIL 4/24/2014 13:05 7/13/2014	SB-09 SB-09_04241402 15-16.3 ft 14D0981-04 CONTEST 14D0981 SOIL 4/24/2014 13:20 7/13/2014	MW-02 MW-02_042514_5_7 5-7 ft 14D1023-01 CONTEST 14D01023 SOIL 4/25/2014 8:30 7/13/2014	MW-02 MW-02_042514_15_17 15-17 ft 14D1023-02 CONTEST 14D01023 SOIL 4/25/2014 8:45 7/13/2014
CAS NO.	COMPOUND	UNITS:						
	SEMIVOLATILES							
111-91-1	BIS(2-CHLOROETHOXY) METHANE	mg/kg	0.16 U	0.13 U	0.15 U	0.14 U	0.15 U	0.14 U
111-44-4	BIS(2-CHLOROETHYL) ETHER	mg/kg	0.18 U	0.14 U	0.17 U	0.15 U	0.16 U	0.15 U
117-81-7	BIS(2-ETHYLHEXYL) PHTHALATE	mg/kg	0.44 U	0.36 U	0.42 U	0.38 U	0.41 U	0.37 U
86-74-8	CARBAZOLE	mg/kg	0.16 U	0.13 U	0.15 U	0.14 U	0.15 U	0.14 U
218-01-9	CHRYSENE	mg/kg	0.14 U	0.12 U	0.14 U	0.12 U	0.13 U	0.12 U
53-70-3	DIBENZ(A,H)ANTHRACENE	mg/kg	0.13 U	0.1 U	0.12 U	0.11 U	0.12 U	0.11 U
132-64-9	DIBENZOFURAN	mg/kg	0.1 U	0.084 U	0.097 U	0.088 U	0.096 U	0.087 U
84-66-2	DIETHYL PHTHALATE	mg/kg	0.15 U	0.12 U	0.14 U	0.13 U	0.14 U	0.13 U
131-11-3	DIMETHYL PHTHALATE	mg/kg	0.17 U	0.14 U	0.16 U	0.15 U	0.16 U	0.15 U
84-74-2	DI-N-BUTYL PHTHALATE	mg/kg	0.19 U	0.15 U	0.18 U	0.16 U	0.18 U	0.16 U
117-84-0	DI-N-OCTYLPHTHALATE	mg/kg	0.61 U	0.5 U	0.57 U	0.52 U	0.56 U	0.51 U
206-44-0	FLUORANTHENE	mg/kg	0.2 U	0.16 U	0.19 U	0.17 U	0.19 U	0.17 U
86-73-7	FLUORENE	mg/kg	0.17 U	0.14 U	0.16 U	0.15 U	0.16 U	0.14 U
118-74-1	HEXACHLOROBENZENE	mg/kg	0.2 U	0.17 U	0.19 U	0.17 U	0.19 U	0.17 U
77-47-4	HEXACHLOROCYCLOPENTADIENE	mg/kg	0.29 U	0.24 U	0.28 U	0.25 U	0.27 U	0.25 U
67-72-1	HEXACHLOROETHANE	mg/kg	0.12 U	0.1 U	0.12 U	0.11 U	0.11 U	0.1 U
193-39-5	INDENO(1,2,3-C,D)PYRENE	mg/kg	0.14 U	0.12 U	0.14 U	0.12 U	0.13 U	0.12 U
78-59-1	ISOPHORONE	mg/kg	0.13 U	0.1 U	0.12 U	0.11 U	0.12 U	0.11 U
98-95-3	NITROBENZENE	mg/kg	0.12 U	0.1 U	0.12 U	0.1 U	0.11 U	0.1 U
62-75-9	N-NITROSODIMETHYLAMINE	mg/kg	0.18 UJ	0.15 UJ	0.17 UJ	0.15 UJ	0.17 U	0.15 U
621-64-7	N-NITROSODI-N-PROPYLAMINE	mg/kg	0.14 U	0.12 U	0.13 U	0.12 U	0.13 U	0.12 U
86-30-6	N-NITROSODIPHENYLAMINE	mg/kg	0.2 U	0.17 U	0.19 U	0.17 U	0.19 U	0.17 U
82-68-8	PENTACHLORONITROBENZENE	mg/kg	R	R	R	R	0.097 U	0.088 U
87-86-5	PENTACHLOROPHENOL	mg/kg	0.17 UJ	0.14 UJ	0.16 UJ	0.15 UJ	0.16 U	0.15 U
85-01-8	PHENANTHRENE	mg/kg	0.12 U	0.097 U	0.11 U	0.1 U	0.11 U	0.1 U
108-95-2	PHENOL	mg/kg	0.12 U	0.096 U	0.11 U	0.1 U	0.11 U	0.099 U
129-00-0	PYRENE	mg/kg	0.15 U	0.13 U	0.15 U	0.13 U	0.14 U	0.13 U
110-86-1	PYRIDINE	mg/kg	0.18 U	0.15 U	0.17 U	0.16 U	0.17 U	0.15 U
122-66-7	1,2-DIPHENYLHYDRAZINE	mg/kg	0.21 U	0.17 U	0.2 U	0.18 U	0.2 U	0.18 U
62-53-3	ANILINE	mg/kg	0.34 U	0.28 U	0.32 U	0.29 U	0.31 U	0.28 U
65-85-0	BENZOIC ACID	mg/kg	R	R	R	R	R	R
90-12-0	1-METHYLNAPHTHALENE	mg/kg	0.085 U	0.069 U	0.08 U	0.072 U	0.079 U	0.071 U
92-87-5	BENZIDINE	mg/kg	0.6 U	0.49 U	0.57 U	0.51 U	0.56 U	0.51 U
95-94-3	1,2,4,5-TETRACHLOROBENZENE	mg/kg	0.26 UJ	0.21 UJ	0.24 UJ	0.22 UJ	0.24 U	0.22 U

NYSDEC-Pine Ave Site 2014 Site Investigation Validated Soil Analytical Data		Location ID: Sample ID: Depth: Lab Sample Id: Source: SDG: Matrix: Sampled: Validated:	SB-07 SB-07_04241401 11-13 ft 14D0981-01 CONTEST 14D0981 SOIL 4/24/2014 9:45 7/13/2014	SB-07 SB-07_04241402 15-17 ft 14D0981-02 CONTEST 14D0981 SOIL 4/24/2014 10:00 7/13/2014	SB-09 SB-09_04241401 5-7 ft 14D0981-03 CONTEST 14D0981 SOIL 4/24/2014 13:05 7/13/2014	SB-09 SB-09_04241402 15-16.3 ft 14D0981-04 CONTEST 14D0981 SOIL 4/24/2014 13:20 7/13/2014	MW-02 MW-02_042514_5_7 5-7 ft 14D1023-01 CONTEST 14D01023 SOIL 4/25/2014 8:30 7/13/2014	MW-02 MW-02_042514_15_17 15-17 ft 14D1023-02 CONTEST 14D01023 SOIL 4/25/2014 8:45 7/13/2014
CAS NO.	COMPOUND	UNITS:						
	PESTICIDES							
309-00-2	ALDRIN	mg/kg	0.00039 UJ	0.00032 UJ	0.00036 UJ	0.00033 UJ	0.000035 U	0.00031 U
319-84-6	ALPHA BHC	mg/kg	0.00052 UJ	0.00042 UJ	0.00048 UJ	0.00044 UJ	0.000047 U	0.00042 U
959-98-8	ALPHA ENDOSULFAN	mg/kg	0.00052 U	0.00042 U	0.00048 U	0.00044 U	0.000047 U	0.00042 U
319-85-7	BETA BHC	mg/kg	0.00065 U	0.00053 U	0.0006 U	0.00054 U	0.000059 U	0.00052 U
33213-65-9	BETA ENDOSULFAN	mg/kg	0.00039 U	0.00032 U	0.00036 U	0.00033 U	0.000035 U	0.00031 U
57-74-9	CHLORDANE	mg/kg	0.0075 U	0.0061 U	0.007 U	0.0063 U	0.00069 U	0.0061 U
319-86-8	DELTA BHC	mg/kg	0.00052 UJ	0.00042 UJ	0.00048 UJ	0.00044 UJ	0.000047 U	0.00042 U
60-57-1	DIELDRIN	mg/kg	0.00039 UJ	0.00032 UJ	0.00036 UJ	0.00033 UJ	0.000035 U	0.00031 U
1031-07-8	ENDOSULFAN SULFATE	mg/kg	0.0017 U	0.0014 U	0.0016 U	0.0014 U	0.00015 U	0.0014 U
72-20-8	ENDRIN	mg/kg	0.00039 U	0.00032 U	0.00036 U	0.00033 U	0.000035 U	0.00031 U
7421-93-4	ENDRIN ALDEHYDE	mg/kg	0.0015 U	0.0013 U	0.0014 U	0.0013 U	0.00014 U	0.0013 U
53494-70-5	ENDRIN KETONE	mg/kg	0.00052 U	0.00042 U	0.00048 U	0.00044 U	0.000047 U	0.00042 U
58-89-9	GAMMA BHC (LINDANE)	mg/kg	0.00065 UJ	0.00053 UJ	0.0006 UJ	0.00054 UJ	0.000059 U	0.00052 U
76-44-8	HEPTACHLOR	mg/kg	0.00065 U	0.00053 U	0.0006 U	0.00054 U	0.000059 U	0.00052 U
1024-57-3	HEPTACHLOR EPOXIDE	mg/kg	0.00052 U	0.00042 U	0.00048 U	0.00044 U	0.000047 U	0.00042 U
72-43-5	METHOXYCHLOR	mg/kg	0.00077 U	0.00063 U	0.00072 U	0.00065 U	0.000071 U	0.00063 U
72-54-8	P,P'-DDD	mg/kg	0.00052 UJ	0.00042 UJ	0.00048 UJ	0.0014 J	0.000047 U	0.0021
72-55-9	P,P'-DDE	mg/kg	0.00039 UJ	0.00032 UJ	0.00036 UJ	0.00033 UJ	0.000035 U	0.00031 U
50-29-3	P,P'-DDT	mg/kg	0.00052 U	0.00042 U	0.00048 U	0.00044 U	0.000047 U	0.00042 U
8001-35-2	TOXAPHENE	mg/kg	0.056 U	0.045 U	0.052 U	0.047 U	0.0051 U	0.045 U
	PCBs							
12674-11-2	PCB-1016 (AROCLOR 1016)	mg/kg	0.0079 U	0.0066 U	0.0076 U	0.0069 U	0.0073 U	0.0065 U
11104-28-2	PCB-1221 (AROCLOR 1221)	mg/kg	0.025 U	0.021 U	0.024 U	0.022 U	0.023 U	0.021 U
11141-16-5	PCB-1232 (AROCLOR 1232)	mg/kg	0.016 U	0.013 U	0.015 U	0.014 U	0.015 U	0.013 U
53469-21-9	PCB-1242 (AROCLOR 1242)	mg/kg	0.013 U	0.011 U	0.013 U	0.011 U	0.012 U	0.011 U
12672-29-6	PCB-1248 (AROCLOR 1248)	mg/kg	0.015 U	0.012 U	0.014 U	0.013 U	0.036	0.012 U
11097-69-1	PCB-1254 (AROCLOR 1254)	mg/kg	0.011 U	0.0091 U	0.011 U	0.0095 U	0.01 U	0.009 U
11096-82-5	PCB-1260 (AROCLOR 1260)	mg/kg	0.012 U	0.01 U	0.012 U	0.011 U	0.011 U	0.01 U
37324-23-5	PCB-1262 (AROCLOR 1262)	mg/kg	0.01 U	0.0087 U	0.01 U	0.0091 U	0.0097 U	0.0086 U
11100-14-4	PCB-1268 (AROCLOR 1268)	mg/kg	0.015 U	0.013 U	0.015 U	0.013 U	0.014 U	0.013 U
	HERBICIDES							
94-75-7	2,4-D	ug/kg	2.8 U	2.3 U	2.6 U	2.4 U	2.6 U	2.3 U
93-72-1	SILVEX (2,4,5-TP)	ug/kg	0.35 U	0.29 U	0.33 U	0.31 U	0.33 U	0.3 U
75-99-0	DALAPON	ug/kg	4.8 U	4 U	4.6 U	4.2 U	4.5 U	4.1 U
1918-00-9	DICAMBA	ug/kg	0.44 U	0.37 U	0.42 U	0.39 U	0.42 U	0.38 U
120-36-5	DICHLOROPROP	ug/kg	6 U	5 U	5.7 U	5.3 U	5.6 U	5.1 U
88-85-7	DINOSEB	ug/kg	0.66 U	0.55 U	0.63 U	0.58 U	0.62 U	0.56 U
94-74-6	MCPA	ug/kg	480 U	400 U	460 U	420 U	450 U	410 U
93-65-2	MCPD	ug/kg	420 U	350 U	400 U	370 U	400 U	360 U
15972-60-8	ALACHLOR	mg/kg	0.0014 U	0.0012 U	0.0013 U	0.0012 U	0.00013 U	0.0012 U
93-76-5	2,4,5-T	ug/kg	0.43 U	0.36 U	0.41 U	0.38 U	0.4 U	0.37 U
94-82-6	2,4 DB	ug/kg	6.3 U	5.2 U	6.1 U	5.6 U	6 U	5.4 U

NYSDEC-Pine Ave Site 2014 Site Investigation Validated Soil Analytical Data		Location ID: Sample ID: Depth: Lab Sample Id: Source: SDG: Matrix: Sampled: Validated:	SB-07 SB-07_04241401 11-13 ft 14D0981-01 CONTEST 14D0981 SOIL 4/24/2014 9:45 7/13/2014	SB-07 SB-07_04241402 15-17 ft 14D0981-02 CONTEST 14D0981 SOIL 4/24/2014 10:00 7/13/2014	SB-09 SB-09_04241401 5-7 ft 14D0981-03 CONTEST 14D0981 SOIL 4/24/2014 13:05 7/13/2014	SB-09 SB-09_04241402 15-16.3 ft 14D0981-04 CONTEST 14D0981 SOIL 4/24/2014 13:20 7/13/2014	MW-02 MW-02_042514_5_7 5-7 ft 14D1023-01 CONTEST 14D01023 SOIL 4/25/2014 8:30 7/13/2014	MW-02 MW-02_042514_15_17 15-17 ft 14D1023-02 CONTEST 14D01023 SOIL 4/25/2014 8:45 7/13/2014
CAS NO.	COMPOUND	UNITS:						
	INORGANICS							
7429-90-5	ALUMINUM	mg/kg	13000	2400	9900	4000	14000 J	3600 J
7440-36-0	ANTIMONY	mg/kg	2.5 UJ	10 U	2.4 U	4.5 U	2.4 U	4.3 U
7440-38-2	ARSENIC	mg/kg	3.5	7	6.8	4.5	2 J	5.8
7440-39-3	BARIUM	mg/kg	94	31	74	59	54 J	48 J
7440-41-7	BERYLLIUM	mg/kg	0.78	0.16 J	0.56	0.23 J	0.67	0.21 J
7440-43-9	CADMIUM	mg/kg	0.19 J	0.64	0.26 J	0.52	0.17 UJ	0.73 J
7440-70-2	CALCIUM	mg/kg	41000	150000	48000	88000	8200 J	110000 J
7440-47-3	CHROMIUM, TOTAL	mg/kg	21	4.3	16	6.6	21	5.6
7440-48-4	COBALT	mg/kg	11	2.2 J	9.4	3.5	8.4	2.9
7440-50-8	COPPER	mg/kg	20	31	22	9.5	14	12
7439-89-6	IRON	mg/kg	21000	5600	18000	7700	19000 J	6800 J
7439-92-1	LEAD	mg/kg	8.6	27	7.4	21	4.4	33
7439-95-4	MAGNESIUM	mg/kg	16000	66000	8700	34000	7800	53000
7439-96-5	MANGANESE	mg/kg	580	750	680	540	240	540
7439-97-6	MERCURY	mg/kg	0.0095 J	0.0042 J	0.0098 J	0.004 U	0.023 J	0.0047 J
7440-02-0	NICKEL	mg/kg	25	3.6	20	6.9	22 J	5.4 J
7440-09-7	POTASSIUM	mg/kg	3500	700	1700	1100	1300	970
7782-49-2	SELENIUM	mg/kg	0.96 U	0.76 U	0.92 U	0.86 U	0.91 U	0.82 U
7440-22-4	SILVER	mg/kg	0.55 U	0.43 U	0.52 U	0.49 U	0.52 U	0.47 U
7440-23-5	SODIUM	mg/kg	310 J+	290 J+	200 J+	200 J+	180 J	210 J
7440-28-0	THALLIUM	mg/kg	1 U	0.82 U	0.99 U	0.92 U	0.98 U	0.89 U
7440-62-2	VANADIUM	mg/kg	27	3.9	24	8.9	24	6.4
7440-66-6	ZINC	mg/kg	56	130	42	170	52 J	170 J
57-12-5	CYANIDE	mg/kg	0.38 U	0.37 J	0.37 U	0.73	0.35 U	0.33 U
	OTHER							
SOLID	SOLIDS, PERCENT	%	76.7	93.2	80.7	89.2	82.1	90.1

			Dup of MW-04_04231401				
NYSDEC-Pine Ave Site 2014 Site Investigation Validated Soil Analytical Data		Location ID:	MW-04	MW-04	MW-04	MW-05	MW-06
		Sample ID:	MW-04_04231401	MW-104_042314	MW-04_04231402	MW-05_042314	MW-06_042514
		Depth:	11-13 ft	11-13 ft	15-16 ft	11-13 ft	15-16.8 ft
		Lab Sample Id:	14D0923-02	14D0923-04	14D0923-03	14D0923-01	14D1023-03
		Source:	CONTEST	CONTEST	CONTEST	CONTEST	CONTEST
		SDG:	14D0923	14D0923	14D0923	14D0923	14D01023
		Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL
		Sampled:	4/23/2014 13:15	4/23/2014 13:16	4/23/2014 13:30	4/23/2014 10:00	4/25/2014 11:45
Validated:	7/13/2014	7/13/2014	7/13/2014	7/13/2014	7/13/2014		
CAS NO.	COMPOUND	UNITS:					
	VOLATILES						
630-20-6	1,1,1,2-TETRACHLOROETHANE	mg/kg	0.0011 U	0.00084 U	0.00064 U	0.00066 U	0.00067 U
71-55-6	1,1,1-TRICHLOROETHANE	mg/kg	0.0012 U	0.00094 U	0.00072 U	0.00073 U	0.00075 U
79-34-5	1,1,2,2-TETRACHLOROETHANE	mg/kg	0.0011 U	0.00084 U	0.00064 U	0.00066 U	0.00067 U
76-13-1	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	mg/kg	0.0011 U	0.00084 U	0.00064 U	0.00066 U	0.00067 U
79-00-5	1,1,2-TRICHLOROETHANE	mg/kg	0.0014 U	0.0011 U	0.00086 U	0.00088 U	0.0009 U
75-34-3	1,1-DICHLOROETHANE	mg/kg	0.0055 J	0.00066 UJ	0.0005 U	0.00051 U	0.00052 U
75-35-4	1,1-DICHLOROETHENE	mg/kg	0.0054 J	0.001 UJ	0.00079 U	0.0008 U	0.00082 U
563-58-6	1,1-DICHLOROPROPENE	mg/kg	0.0011 U	0.00084 U	0.00064 U	0.00066 U	0.00067 U
87-61-6	1,2,3-TRICHLOROBENZENE	mg/kg	R	0.00056 U	0.00043 U	0.00044 U	0.00045 U
96-18-4	1,2,3-TRICHLOROPROPANE	mg/kg	0.0013 U	0.001 U	0.00079 U	0.0008 U	0.00082 U
120-82-1	1,2,4-TRICHLOROBENZENE	mg/kg	R	0.00075 U	0.00057 U	0.00058 U	0.0006 U
95-63-6	1,2,4-TRIMETHYLBENZENE	mg/kg	R	0.00075 UJ	0.0017 J	0.00058 UJ	0.0006 UJ
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	mg/kg	R	0.001 U	0.00079 U	0.0008 U	0.00082 U
106-93-4	1,2-DIBROMOETHANE	mg/kg	0.0012 U	0.00094 U	0.00072 U	0.00073 U	0.00075 U
95-50-1	1,2-DICHLOROBENZENE	mg/kg	R	0.00066 U	0.0005 U	0.00051 U	0.00052 U
107-06-2	1,2-DICHLOROETHANE	mg/kg	0.0015 U	0.0012 U	0.00093 U	0.00095 U	0.00097 U
78-87-5	1,2-DICHLOROPROPANE	mg/kg	0.0015 U	0.0012 U	0.00093 U	0.00095 U	0.00097 U
108-70-3	1,3,5-TRICHLOROBENZENE	mg/kg	R	0.00066 U	0.0005 U	0.00051 U	0.00052 UJ
108-67-8	1,3,5-TRIMETHYLBENZENE (MESITYLENE)	mg/kg	0.00071 UJ	0.00056 UJ	0.00043 UJ	0.00044 UJ	0.00045 UJ
541-73-1	1,3-DICHLOROBENZENE	mg/kg	R	0.00066 U	0.0005 U	0.00051 U	0.00052 U
142-28-9	1,3-DICHLOROPROPANE	mg/kg	0.00083 U	0.00066 U	0.0005 U	0.00051 U	0.00052 U
106-46-7	1,4-DICHLOROBENZENE	mg/kg	R	0.00075 U	0.00057 U	0.00058 U	0.0006 U
123-91-1	1,4-DIOXANE (P-DIOXANE)	mg/kg	R	R	R	R	R
594-20-7	2,2-DICHLOROPROPANE	mg/kg	0.0011 UJ	0.00084 UJ	0.00064 UJ	0.00066 UJ	0.00067 UJ
39638-32-9	2,2-OXYBIS(2-CHLOROPROPANE)	mg/kg	0.16 U	0.16 U	0.16 U	0.15 U	0.16 U
95-49-8	2-CHLOROTOLUENE	mg/kg	0.00095 U	0.00075 U	0.00057 U	0.00058 U	0.0006 U
591-78-6	2-HEXANONE	mg/kg	0.013 U	0.01 U	0.0078 U	0.008 U	0.0081 U
MEPH3MEPH	3+4-Methylphenols	mg/kg	0.22 U	0.22 U	0.21 U	0.21 U	0.22 U
106-43-4	4-CHLOROTOLUENE	mg/kg	0.00095 U	0.00075 U	0.00057 U	0.00058 U	0.0006 U
67-64-1	ACETONE	mg/kg	0.028 U	0.022 U	0.017 U	0.017 U	0.017 U
107-13-1	ACRYLONITRILE	mg/kg	0.003 U	0.0023 U	0.0018 U	0.0018 U	0.0019 U
71-43-2	BENZENE	mg/kg	0.00083 U	0.00066 U	0.0005 U	0.00051 U	0.00052 U
108-86-1	BROMOBENZENE	mg/kg	0.00095 U	0.00075 U	0.00057 U	0.00058 U	0.0006 U
74-97-5	BROMOCHLOROMETHANE	mg/kg	0.0017 U	0.0013 U	0.001 U	0.001 U	0.001 U
75-27-4	BROMODICHLOROMETHANE	mg/kg	0.00071 U	0.00056 U	0.00043 U	0.00044 U	0.00045 U
75-25-2	BROMOFORM	mg/kg	0.0017 U	0.0013 U	0.001 U	0.001 U	0.001 U
74-83-9	BROMOMETHANE	mg/kg	0.002 UJ	0.0016 UJ	0.0012 UJ	0.0012 UJ	0.0013 UJ
994-05-8	BUTANE, 2-METHOXY-2-METHYL	mg/kg	0.00083 U	0.00066 U	0.0005 U	0.00051 U	0.00052 U

NYSDEC-Pine Ave Site 2014 Site Investigation Validated Soil Analytical Data		Location ID: Sample ID: Depth: Lab Sample Id: Source: SDG: Matrix: Sampled: Validated:	MW-04 MW-04_04231401 11-13 ft 14D0923-02 CONTEST 14D0923 SOIL 4/23/2014 13:15 7/13/2014	Dup of MW-04_04231401 MW-04 MW-104_042314 11-13 ft 14D0923-04 CONTEST 14D0923 SOIL 4/23/2014 13:16 7/13/2014	MW-04 MW-04_04231402 15-16 ft 14D0923-03 CONTEST 14D0923 SOIL 4/23/2014 13:30 7/13/2014	MW-05 MW-05_042314 11-13 ft 14D0923-01 CONTEST 14D0923 SOIL 4/23/2014 10:00 7/13/2014	MW-06 MW-06_042514 15-16.8 ft 14D1023-03 CONTEST 14D01023 SOIL 4/25/2014 11:45 7/13/2014
CAS NO.	COMPOUND	UNITS:					
	VOLATILES						
75-15-0	CARBON DISULFIDE	mg/kg	0.0039 U	0.0031 U	0.0024 U	0.0024 U	0.0025 U
56-23-5	CARBON TETRACHLORIDE	mg/kg	0.00095 U	0.00075 U	0.00057 U	0.00058 U	0.0006 U
108-90-7	CHLOROBENZENE	mg/kg	0.00083 U	0.00066 U	0.0005 U	0.00051 U	0.00052 U
75-00-3	CHLOROETHANE	mg/kg	0.0018 U	0.0014 U	0.0011 U	0.0011 U	0.0011 U
67-66-3	CHLOROFORM	mg/kg	0.00083 U	0.00066 U	0.0005 U	0.00051 U	0.00052 U
74-87-3	CHLOROMETHANE	mg/kg	0.0011 U	0.00084 U	0.00064 U	0.00066 U	0.00067 U
156-59-2	CIS-1,2-DICHLOROETHYLENE	mg/kg	0.71 J	0.026 J	0.0036	0.00058 U	0.0025
10061-01-5	CIS-1,3-DICHLOROPROPENE	mg/kg	0.00083 U	0.00066 U	0.0005 UJ	0.00051 U	0.00052 U
99-87-6	CYMENE	mg/kg	0.00095 U	0.00075 U	0.00057 U	0.00058 U	0.0006 U
124-48-1	DIBROMOCHLOROMETHANE	mg/kg	0.00083 U	0.00066 U	0.0005 U	0.00051 U	0.00052 U
74-95-3	DIBROMOMETHANE	mg/kg	0.00071 U	0.00056 U	0.00043 U	0.00044 U	0.00045 U
75-71-8	DICHLORODIFLUOROMETHANE	mg/kg	0.0015 U	0.0012 U	0.00093 U	0.00095 U	0.00097 U
100-41-4	ETHYLBENZENE	mg/kg	0.00095 UJ	0.00075 UJ	0.0019 J	0.00058 UJ	0.0006 UJ
87-68-3	HEXACHLOROBUTADIENE	mg/kg	0.13 U	0.13 U	0.13 U	0.12 U	0.13 U
98-82-8	ISOPROPYLBENZENE (CUMENE)	mg/kg	0.00083 UJ	0.00066 UJ	0.0005 UJ	0.00051 UJ	0.00052 UJ
79601-23-1	M AND P XYLENES	mg/kg	0.002 UJ	0.0016 UJ	0.0041 J	0.0012 UJ	0.0013 UJ
78-93-3	METHYL ETHYL KETONE (2-BUTANONE)	mg/kg	0.021 U	0.016 U	0.013 U	0.013 U	0.013 U
108-10-1	METHYL ISOBUTYL KETONE	mg/kg	0.009 U	0.0071 U	0.0054 U	0.0055 U	0.0057 U
75-09-2	METHYLENE CHLORIDE	mg/kg	0.0084 UJ	0.0067 UJ	0.0051 UJ	0.0052 UJ	0.0053 UJ
91-20-3	NAPHTHALENE	mg/kg	0.088 U	0.089 U	0.085 U	0.083 U	0.088 U
104-51-8	N-BUTYLBENZENE	mg/kg	0.00083 R	0.00066 UJ	0.0005 UJ	0.00051 UJ	0.00052 UJ
103-65-1	N-PROPYLBENZENE	mg/kg	0.00083 UJ	0.00066 UJ	0.0005 UJ	0.00051 UJ	0.00052 UJ
95-47-6	O-XYLENE (1,2-DIMETHYLBENZENE)	mg/kg	0.00083 UJ	0.00066 UJ	0.0025 J	0.00051 UJ	0.00052 UJ
135-98-8	SEC-BUTYLBENZENE	mg/kg	R	0.00094 UJ	0.00072 UJ	0.00073 UJ	0.00075 UJ
100-42-5	STYRENE	mg/kg	0.00071 UJ	0.00056 UJ	0.00043 UJ	0.00044 UJ	0.00045 UJ
98-06-6	T-BUTYLBENZENE	mg/kg	R	0.00084 UJ	0.00064 UJ	0.00066 UJ	0.00067 UJ
75-65-0	TERT-BUTYL ALCOHOL	mg/kg	0.025 U	0.02 U	0.015 U	0.015 U	R
1634-04-4	TERT-BUTYL METHYL ETHER	mg/kg	0.0011 U	0.00084 U	0.00064 U	0.00066 U	0.00067 U
127-18-4	TETRACHLOROETHYLENE(PCE)	mg/kg	0.0064	0.008	0.012	0.00095 U	0.011
109-99-9	TETRAHYDROFURAN	mg/kg	0.0026 U	0.0021 U	0.0016 U	0.0016 U	0.0016 U
108-88-3	TOLUENE	mg/kg	0.00095 UJ	0.00075 UJ	0.0021 J	0.0018 J	0.0006 UJ
156-60-5	TRANS-1,2-DICHLOROETHENE	mg/kg	0.0016 J	0.00084 U	0.00064 U	0.00066 U	0.00067 U
10061-02-6	TRANS-1,3-DICHLOROPROPENE	mg/kg	0.00083 UJ	0.00066 UJ	0.0005 UJ	0.00051 UJ	0.00052 UJ
110-57-6	TRANS-1,4-DICHLORO-2-BUTENE	mg/kg	0.0014 U	0.0011 U	0.00086 U	0.00088 U	0.0009 U
79-01-6	TRICHLOROETHYLENE (TCE)	mg/kg	0.0069	0.0045	0.0047	0.00066 U	0.0047
75-69-4	TRICHLOROFLUOROMETHANE	mg/kg	0.0013 U	0.001 U	0.00079 U	0.0008 U	0.00082 U
75-01-4	VINYL CHLORIDE	mg/kg	0.042 J	0.009 J	0.001 J	0.0008 U	0.00082 U
108-20-3	ISOPROPYL ETHER	mg/kg	0.00071 U	0.00056 U	0.00043 U	0.00044 U	0.00045 U
60-29-7	DIETHYL ETHER (ETHYL ETHER)	mg/kg	0.0021 U	0.0017 U	0.0013 U	0.0013 U	0.0013 U
637-92-3	ETHYL TERT-BUTYL ETHER	mg/kg	0.00071 U	0.00056 U	0.00043 U	0.00044 U	0.00045 U

NYSDEC-Pine Ave Site 2014 Site Investigation Validated Soil Analytical Data		Location ID: Sample ID: Depth: Lab Sample Id: Source: SDG: Matrix: Sampled: Validated:	MW-04 MW-04_04231401 11-13 ft 14D0923-02 CONTEST 14D0923 SOIL 4/23/2014 13:15 7/13/2014	Dup of MW-04_04231401 MW-04 MW-104_042314 11-13 ft 14D0923-04 CONTEST 14D0923 SOIL 4/23/2014 13:16 7/13/2014	MW-04 MW-04_04231402 15-16 ft 14D0923-03 CONTEST 14D0923 SOIL 4/23/2014 13:30 7/13/2014	MW-05 MW-05_042314 11-13 ft 14D0923-01 CONTEST 14D0923 SOIL 4/23/2014 10:00 7/13/2014	MW-06 MW-06_042514 15-16.8 ft 14D1023-03 CONTEST 14D01023 SOIL 4/25/2014 11:45 7/13/2014
CAS NO.	COMPOUND	UNITS:					
	SEMIVOLATILES						
95-95-4	2,4,5-TRICHLOROPHENOL	mg/kg	0.21 U	0.21 U	0.2 U	0.2 U	0.21 U
88-06-2	2,4,6-TRICHLOROPHENOL	mg/kg	0.26 U	0.26 U	0.25 U	0.24 U	0.26 U
120-83-2	2,4-DICHLOROPHENOL	mg/kg	0.12 U	0.12 U	0.12 U	0.11 U	0.12 U
105-67-9	2,4-DIMETHYLPHENOL	mg/kg	0.11 U	0.12 U	0.11 U	0.11 U	0.12 U
51-28-5	2,4-DINITROPHENOL	mg/kg	0.4 UJ	0.4 UJ	0.38 UJ	0.38 UJ	0.4 U
121-14-2	2,4-DINITROTOLUENE	mg/kg	0.16 U	0.16 U	0.15 U	0.15 U	0.16 U
606-20-2	2,6-DINITROTOLUENE	mg/kg	0.13 U	0.13 U	0.12 U	0.12 U	0.13 U
91-58-7	2-CHLORONAPHTHALENE	mg/kg	0.12 U	0.13 U	0.12 U	0.12 U	0.12 U
95-57-8	2-CHLOROPHENOL	mg/kg	0.12 U	0.12 U	0.11 U	0.11 U	0.12 U
91-57-6	2-METHYLNAPHTHALENE	mg/kg	0.11 U	0.11 U	0.1 U	0.1 U	0.11 U
95-48-7	2-METHYLPHENOL (O-CRESOL)	mg/kg	0.13 U	0.13 U	0.12 U	0.12 U	0.13 U
88-74-4	2-NITROANILINE	mg/kg	0.28 U	0.28 U	0.27 U	0.26 U	0.28 U
88-75-5	2-NITROPHENOL	mg/kg	0.12 U	0.12 U	0.11 U	0.11 U	0.12 U
91-94-1	3,3'-DICHLOROBENZIDINE	mg/kg	0.18 U	0.19 U	0.18 U	0.17 U	0.18 U
99-09-2	3-NITROANILINE	mg/kg	0.18 U	0.18 U	0.18 U	0.17 U	0.18 U
534-52-1	4,6-DINITRO-2-METHYLPHENOL	mg/kg	0.16 U	0.17 U	0.16 U	0.16 U	0.16 U
101-55-3	4-BROMOPHENYL PHENYL ETHER	mg/kg	0.098 U	0.1 U	0.095 U	0.093 U	0.099 U
59-50-7	4-CHLORO-3-METHYLPHENOL	mg/kg	0.16 U	0.17 U	0.16 U	0.16 U	0.17 U
106-47-8	4-CHLOROANILINE	mg/kg	0.19 U	0.2 U	0.19 U	0.18 U	0.2 U
7005-72-3	4-CHLOROPHENYL PHENYL ETHER	mg/kg	0.13 U	0.14 U	0.13 U	0.13 U	0.14 U
100-01-6	4-NITROANILINE	mg/kg	0.2 U	0.21 U	0.2 U	0.19 U	0.21 U
100-02-7	4-NITROPHENOL	mg/kg	0.7 U	0.71 U	0.68 U	0.66 U	0.7 U
83-32-9	ACENAPHTHENE	mg/kg	0.099 U	0.1 U	0.096 U	0.094 U	0.1 U
208-96-8	ACENAPHTHYLENE	mg/kg	0.096 U	0.098 U	0.093 U	0.091 U	0.096 U
98-86-2	ACETOPHENONE	mg/kg	0.096 UJ	0.098 UJ	0.093 UJ	0.091 UJ	0.096 U
120-12-7	ANTHRACENE	mg/kg	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U
56-55-3	BENZO(A)ANTHRACENE	mg/kg	0.09 U	0.092 U	0.087 U	0.085 U	0.091 U
50-32-8	BENZO(A)PYRENE	mg/kg	0.07 U	0.071 U	0.068 U	0.067 U	0.071 U
205-99-2	BENZO(B)FLUORANTHENE	mg/kg	0.17 U	0.18 U	0.17 U	0.17 U	0.18 U
191-24-2	BENZO(G,H,I)PERYLENE	mg/kg	0.16 U	0.16 U	0.16 U	0.15 U	0.16 U
207-08-9	BENZO(K)FLUORANTHENE	mg/kg	0.18 U	0.18 U	0.17 U	0.17 U	0.18 U
85-68-7	BENZYL BUTYL PHTHALATE	mg/kg	0.16 U	0.16 U	0.15 U	0.15 U	0.16 U

			Dup of MW-04_04231401				
NYSDEC-Pine Ave Site 2014 Site Investigation Validated Soil Analytical Data		Location ID:	MW-04	MW-04	MW-04	MW-05	MW-06
		Sample ID:	MW-04_04231401	MW-104_042314	MW-04_04231402	MW-05_042314	MW-06_042514
		Depth:	11-13 ft	11-13 ft	15-16 ft	11-13 ft	15-16.8 ft
		Lab Sample Id:	14D0923-02	14D0923-04	14D0923-03	14D0923-01	14D1023-03
		Source:	CONTEST	CONTEST	CONTEST	CONTEST	CONTEST
		SDG:	14D0923	14D0923	14D0923	14D0923	14D01023
		Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL
		Sampled:	4/23/2014 13:15	4/23/2014 13:16	4/23/2014 13:30	4/23/2014 10:00	4/25/2014 11:45
Validated:	7/13/2014	7/13/2014	7/13/2014	7/13/2014	7/13/2014		
CAS NO.	COMPOUND	UNITS:					
	SEMIVOLATILES						
111-91-1	BIS(2-CHLOROETHOXY) METHANE	mg/kg	0.15 U	0.15 U	0.14 U	0.14 U	0.15 U
111-44-4	BIS(2-CHLOROETHYL) ETHER	mg/kg	0.16 U	0.16 U	0.15 U	0.15 U	0.16 U
117-81-7	BIS(2-ETHYLHEXYL) PHTHALATE	mg/kg	0.4 U	0.4 U	0.39 U	0.38 U	0.4 U
86-74-8	CARBAZOLE	mg/kg	0.14 U	0.15 U	0.14 U	0.14 U	0.15 U
218-01-9	CHRYSENE	mg/kg	0.13 U	0.13 U	0.12 U	0.12 U	0.13 U
53-70-3	DIBENZ(A,H)ANTHRACENE	mg/kg	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U
132-64-9	DIBENZOFURAN	mg/kg	0.092 U	0.094 U	0.089 U	0.088 U	0.093 U
84-66-2	DIETHYL PHTHALATE	mg/kg	0.14 U	0.14 U	0.13 U	0.13 U	0.14 U
131-11-3	DIMETHYL PHTHALATE	mg/kg	0.15 U	0.16 U	0.15 U	0.15 U	0.16 U
84-74-2	DI-N-BUTYL PHTHALATE	mg/kg	0.17 U	0.17 U	0.16 U	0.16 U	0.17 U
117-84-0	DI-N-OCTYLPHTHALATE	mg/kg	0.54 U	0.55 U	0.53 U	0.52 U	0.55 U
206-44-0	FLUORANTHENE	mg/kg	0.18 U	0.18 U	0.17 U	0.17 U	0.18 U
86-73-7	FLUORENE	mg/kg	0.15 U	0.16 U	0.15 U	0.15 U	0.15 U
118-74-1	HEXACHLOROBENZENE	mg/kg	0.18 U	0.18 U	0.18 U	0.17 U	0.18 U
77-47-4	HEXACHLOROCYCLOPENTADIENE	mg/kg	0.26 UJ	0.27 UJ	0.25 UJ	0.25 UJ	0.26 U
67-72-1	HEXACHLOROETHANE	mg/kg	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U
193-39-5	INDENO(1,2,3-C,D)PYRENE	mg/kg	0.13 U	0.13 U	0.13 U	0.12 U	0.13 U
78-59-1	ISOPHORONE	mg/kg	0.11 U	0.12 U	0.11 U	0.11 U	0.12 U
98-95-3	NITROBENZENE	mg/kg	0.11 U	0.11 U	0.11 U	0.1 U	0.11 U
62-75-9	N-NITROSODIMETHYLAMINE	mg/kg	0.16 UJ	0.16 UJ	0.16 UJ	0.15 UJ	0.16 U
621-64-7	N-NITROSODI-N-PROPYLAMINE	mg/kg	0.13 U	0.13 U	0.12 U	0.12 U	0.13 U
86-30-6	N-NITROSODIPHENYLAMINE	mg/kg	0.18 U	0.19 U	0.18 U	0.17 U	0.18 U
82-68-8	PENTACHLORONITROBENZENE	mg/kg	0.093 UJ	0.095 UJ	0.091 UJ	0.089 UJ	0.094 U
87-86-5	PENTACHLOROPHENOL	mg/kg	0.16 UJ	0.16 UJ	0.15 UJ	0.15 UJ	0.16 U
85-01-8	PHENANTHRENE	mg/kg	0.11 U	0.11 U	0.1 U	0.1 U	0.11 U
108-95-2	PHENOL	mg/kg	0.11 U	0.11 U	0.1 U	0.1 U	0.11 U
129-00-0	PYRENE	mg/kg	0.14 UJ	0.14 UJ	0.13 UJ	0.13 UJ	0.14 U
110-86-1	PYRIDINE	mg/kg	0.16 U	0.17 U	0.16 U	0.16 U	0.17 U
122-66-7	1,2-DIPHENYLHYDRAZINE	mg/kg	0.19 U	0.19 U	0.18 U	0.18 U	0.19 U
62-53-3	ANILINE	mg/kg	0.3 U	0.31 U	0.29 U	0.29 U	0.3 U
65-85-0	BENZOIC ACID	mg/kg	R	R	R	R	R
90-12-0	1-METHYLNAPHTHALENE	mg/kg	0.076 U	0.077 U	0.074 U	0.072 U	0.076 U
92-87-5	BENZIDINE	mg/kg	0.54 UJ	0.55 UJ	0.52 UJ	0.51 UJ	0.54 U
95-94-3	1,2,4,5-TETRACHLOROBENZENE	mg/kg	0.23 UJ	0.24 UJ	0.23 UJ	0.22 UJ	0.23 U

			Dup of MW-04_04231401				
NYSDEC-Pine Ave Site 2014 Site Investigation Validated Soil Analytical Data		Location ID:	MW-04	MW-04	MW-04	MW-05	MW-06
		Sample ID:	MW-04_04231401	MW-104_042314	MW-04_04231402	MW-05_042314	MW-06_042514
		Depth:	11-13 ft	11-13 ft	15-16 ft	11-13 ft	15-16.8 ft
		Lab Sample Id:	14D0923-02	14D0923-04	14D0923-03	14D0923-01	14D1023-03
		Source:	CONTEST	CONTEST	CONTEST	CONTEST	CONTEST
		SDG:	14D0923	14D0923	14D0923	14D0923	14D01023
		Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL
		Sampled:	4/23/2014 13:15	4/23/2014 13:16	4/23/2014 13:30	4/23/2014 10:00	4/25/2014 11:45
Validated:	7/13/2014	7/13/2014	7/13/2014	7/13/2014	7/13/2014		
CAS NO.	COMPOUND	UNITS:					
	PESTICIDES						
309-00-2	ALDRIN	mg/kg	0.00034 U	0.00036 U	0.00033 U	0.00033 U	0.00034 U
319-84-6	ALPHA BHC	mg/kg	0.00046 U	0.00048 U	0.00044 U	0.00045 U	0.00046 U
959-98-8	ALPHA ENDOSULFAN	mg/kg	0.00046 U	0.00048 U	0.00044 U	0.00045 U	0.00046 U
319-85-7	BETA BHC	mg/kg	0.00057 U	0.0006 U	0.00055 U	0.00056 U	0.00057 U
33213-65-9	BETA ENDOSULFAN	mg/kg	0.00034 U	0.00036 U	0.00033 U	0.00033 U	0.00034 U
57-74-9	CHLORDANE	mg/kg	0.0066 U	0.007 U	0.0064 U	0.0065 U	0.0066 U
319-86-8	DELTA BHC	mg/kg	0.00046 U	0.00048 U	0.00044 U	0.00045 U	0.00046 U
60-57-1	DIELDRIN	mg/kg	0.00034 U	0.00036 U	0.00033 U	0.00033 U	0.00034 U
1031-07-8	ENDOSULFAN SULFATE	mg/kg	0.0015 U	0.0016 U	0.0014 U	0.0015 U	0.0015 U
72-20-8	ENDRIN	mg/kg	0.00034 U	0.00036 U	0.00033 U	0.00033 U	0.00034 U
7421-93-4	ENDRIN ALDEHYDE	mg/kg	0.0014 U	0.0015 U	0.0013 U	0.0013 U	0.0014 U
53494-70-5	ENDRIN KETONE	mg/kg	0.00046 U	0.00048 U	0.00044 U	0.00045 U	0.00046 U
58-89-9	GAMMA BHC (LINDANE)	mg/kg	0.00057 U	0.0006 U	0.00055 U	0.00056 U	0.00057 U
76-44-8	HEPTACHLOR	mg/kg	0.00057 U	0.0006 U	0.00055 U	0.00056 U	0.00057 U
1024-57-3	HEPTACHLOR EPOXIDE	mg/kg	0.00046 U	0.00048 U	0.00044 U	0.00045 U	0.00046 U
72-43-5	METHOXYCHLOR	mg/kg	0.00068 U	0.00073 U	0.00066 U	0.00067 U	0.00068 U
72-54-8	P,P'-DDD	mg/kg	0.0011 U	0.00048 U	0.0011 U	0.0013	0.00046 U
72-55-9	P,P'-DDE	mg/kg	0.00034 U	0.00036 U	0.00033 U	0.00033 U	0.00034 U
50-29-3	P,P'-DDT	mg/kg	0.00046 U	0.00048 U	0.00044 U	0.00045 J	0.00046 U
8001-35-2	TOXAPHENE	mg/kg	0.049 U	0.052 U	0.047 U	0.048 U	0.049 U
	PCBs						
12674-11-2	PCB-1016 (AROCLOR 1016)	mg/kg	0.0071 U	0.0075 U	0.0068 U	0.0069 U	0.0071 U
11104-28-2	PCB-1221 (AROCLOR 1221)	mg/kg	0.022 U	0.024 U	0.021 U	0.022 U	0.022 U
11141-16-5	PCB-1232 (AROCLOR 1232)	mg/kg	0.014 U	0.015 U	0.014 U	0.014 U	0.014 U
53469-21-9	PCB-1242 (AROCLOR 1242)	mg/kg	0.012 U	0.012 U	0.011 U	0.011 U	0.012 U
12672-29-6	PCB-1248 (AROCLOR 1248)	mg/kg	0.013 U	0.014 U	0.013 U	0.013 U	0.013 U
11097-69-1	PCB-1254 (AROCLOR 1254)	mg/kg	0.0098 U	0.01 U	0.0094 U	0.0096 U	0.0098 U
11096-82-5	PCB-1260 (AROCLOR 1260)	mg/kg	0.011 U	0.012 U	0.011 U	0.011 U	0.011 U
37324-23-5	PCB-1262 (AROCLOR 1262)	mg/kg	0.0093 U	0.0099 U	0.009 U	0.0092 U	0.0093 U
11100-14-4	PCB-1268 (AROCLOR 1268)	mg/kg	0.014 U	0.015 U	0.013 U	0.013 U	0.014 U
	HERBICIDES						
94-75-7	2,4-D	ug/kg	2.5 U	2.6 U	2.4 U	2.4 U	2.5 U
93-72-1	SILVEX (2,4,5-TP)	ug/kg	0.32 U	0.33 U	0.31 U	0.3 U	0.32 U
75-99-0	DALAPON	ug/kg	4.4 U	4.5 U	4.3 U	4.1 U	4.4 U
1918-00-9	DICAMBA	ug/kg	0.41 U	0.41 U	0.39 U	0.38 U	0.41 U
120-36-5	DICHLOROPROP	ug/kg	5.5 U	5.6 U	5.3 U	5.2 U	5.5 U
88-85-7	DINOSEB	ug/kg	0.6 U	0.62 U	0.59 U	0.57 U	0.61 U
94-74-6	MCPA	ug/kg	440 U	450 U	430 U	410 U	440 U
93-65-2	MCPP	ug/kg	380 U	390 U	370 U	360 U	390 U
15972-60-8	ALACHLOR	mg/kg	0.0013 U	0.0013 U	0.0012 U	0.0012 U	0.0013 U
93-76-5	2,4,5-T	ug/kg	0.39 U	0.4 U	0.38 U	0.37 U	0.39 U
94-82-6	2,4 DB	ug/kg	5.8 U	5.9 U	5.6 U	5.4 U	5.8 U

NYSDEC-Pine Ave Site 2014 Site Investigation Validated Soil Analytical Data		Location ID:	MW-04	Dup of MW-04_04231401	MW-04	MW-04	MW-05	MW-06
		Sample ID:	MW-04_04231401	MW-104_042314	MW-04_04231402	MW-05_042314	MW-06_042514	
		Depth:	11-13 ft	11-13 ft	15-16 ft	11-13 ft	15-16.8 ft	
		Lab Sample Id:	14D0923-02	14D0923-04	14D0923-03	14D0923-01	14D1023-03	
		Source:	CONTEST	CONTEST	CONTEST	CONTEST	CONTEST	
		SDG:	14D0923	14D0923	14D0923	14D0923	14D01023	
		Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	
		Sampled:	4/23/2014 13:15	4/23/2014 13:16	4/23/2014 13:30	4/23/2014 10:00	4/25/2014 11:45	
		Validated:	7/13/2014	7/13/2014	7/13/2014	7/13/2014	7/13/2014	
CAS NO.	COMPOUND	UNITS:						
	INORGANICS							
7429-90-5	ALUMINUM	mg/kg	14000 J	5200 J	3900	4200	4600 J	
7440-36-0	ANTIMONY	mg/kg	2.3 U	2.4 U	2.1 U	2.2 U	12 U	
7440-38-2	ARSENIC	mg/kg	3.3	5.6	5.3	5.4	6.5	
7440-39-3	BARIUM	mg/kg	98	61	53	56	47 J	
7440-41-7	BERYLLIUM	mg/kg	0.75 J	0.29 J	0.22 J	0.26 J	0.28 J	
7440-43-9	CADMIUM	mg/kg	0.26 J	0.72 J	2.5	0.9	2.3 J	
7440-70-2	CALCIUM	mg/kg	40000	110000 J	110000	110000	140000 J	
7440-47-3	CHROMIUM, TOTAL	mg/kg	20 J	8.1 J	6.1	7	7.1	
7440-48-4	COBALT	mg/kg	10 J	4.6 J	3.2	3.6	3.9	
7440-50-8	COPPER	mg/kg	19 J	9.9 J	9.1	10	9.7	
7439-89-6	IRON	mg/kg	22000 J	11000 J	8500	9500	8200 J	
7439-92-1	LEAD	mg/kg	8.9 J	26 J	31	36	41	
7439-95-4	MAGNESIUM	mg/kg	15000 J	49000 J	51000	52000	70000	
7439-96-5	MANGANESE	mg/kg	540	610	560	600	470	
7439-97-6	MERCURY	mg/kg	0.02 J	0.0045 J	0.0047 J	0.005 J	0.006 J	
7440-02-0	NICKEL	mg/kg	23 J	8.6 J	6	6.9	7.5 J	
7440-09-7	POTASSIUM	mg/kg	3200 J	1400 J	1100	1100	1300	
7782-49-2	SELENIUM	mg/kg	0.88 U	0.92 U	0.82 U	0.85 U	0.89 U	
7440-22-4	SILVER	mg/kg	0.5 U	0.53 U	0.47 U	0.49 U	0.51 U	
7440-23-5	SODIUM	mg/kg	200	190	160	160	270 J	
7440-28-0	THALLIUM	mg/kg	0.95 U	0.99 U	0.88 U	0.92 U	0.96 U	
7440-62-2	VANADIUM	mg/kg	26 J	11 J	7.7	8.2	7.5	
7440-66-6	ZINC	mg/kg	66 J	160 J	510	200	530 J	
57-12-5	CYANIDE	mg/kg	0.35 U	0.36 U	0.33 U	0.34 U	0.35 U	
	OTHER							
SOLID	SOLIDS, PERCENT	%	85.3	82.7	87.7	89.6	84.5	

NYSDEC-Pine Ave Site 2018 Site Investigation Validated Soil Analytical Data SDG: JC67840		Location ID: Depth: Sample ID: Lab Sample Id: Source: SDG: Matrix: Sampled: Validated:	MW-07 11.5-12.0 ft PINE AVE-001-01 JC67840-1 ACCUTEST JC67840 SOIL 6/11/2018 11:00 8/12/2018
CAS NO.	COMPOUND	UNITS:	
	VOLATILES		
71-55-6	1,1,1-TRICHLOROETHANE	ug/kg	1.5 U
79-34-5	1,1,2,2-TETRACHLOROETHANE	ug/kg	1.5 U
76-13-1	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/kg	3.8 U
79-00-5	1,1,2-TRICHLOROETHANE	ug/kg	1.5 U
75-34-3	1,1-DICHLOROETHANE	ug/kg	0.76 U
75-35-4	1,1-DICHLOROETHENE	ug/kg	1.2
87-61-6	1,2,3-TRICHLOROBENZENE	ug/kg	3.8 U
120-82-1	1,2,4-TRICHLOROBENZENE	ug/kg	3.8 U
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	ug/kg	1.5 U
106-93-4	1,2-DIBROMOETHANE	ug/kg	0.76 U
95-50-1	1,2-DICHLOROBENZENE	ug/kg	0.76 U
107-06-2	1,2-DICHLOROETHANE	ug/kg	0.76 U
78-87-5	1,2-DICHLOROPROPANE	ug/kg	1.5 U
541-73-1	1,3-DICHLOROBENZENE	ug/kg	0.76 U
106-46-7	1,4-DICHLOROBENZENE	ug/kg	0.76 U
591-78-6	2-HEXANONE	ug/kg	3.8 U
67-64-1	ACETONE	ug/kg	7.6 U
71-43-2	BENZENE	ug/kg	0.25 J
74-97-5	BROMOCHLOROMETHANE	ug/kg	3.8 U
75-27-4	BROMODICHLOROMETHANE	ug/kg	1.5 U
75-25-2	BROMOFORM	ug/kg	3.8 U
74-83-9	BROMOMETHANE	ug/kg	3.8 U
75-15-0	CARBON DISULFIDE	ug/kg	1.5 U
56-23-5	CARBON TETRACHLORIDE	ug/kg	1.5 U
108-90-7	CHLOROBENZENE	ug/kg	1.5 U
75-00-3	CHLOROETHANE	ug/kg	3.8 U
67-66-3	CHLOROFORM	ug/kg	1.5 U
74-87-3	CHLOROMETHANE	ug/kg	3.8 U
156-59-2	CIS-1,2-DICHLOROETHYLENE	ug/kg	29.5
10061-01-5	CIS-1,3-DICHLOROPROPENE	ug/kg	1.5 U
110-82-7	CYCLOHEXANE	ug/kg	0.78 J
124-48-1	DIBROMOCHLOROMETHANE	ug/kg	1.5 U
75-71-8	DICHLORODIFLUOROMETHANE	ug/kg	3.8 U
100-41-4	ETHYLBENZENE	ug/kg	0.76 U
98-82-8	ISOPROPYLBENZENE (CUMENE)	ug/kg	1.5 U
136777-61-2	M,P-XYLENES	ug/kg	0.76 U
79-20-9	METHYL ACETATE	ug/kg	3.8 U
78-93-3	METHYL ETHYL KETONE (2-BUTANONE)	ug/kg	7.6 U
108-10-1	METHYL ISOBUTYL KETONE	ug/kg	3.8 U
108-87-2	METHYLCYCLOHEXANE	ug/kg	0.45 J
75-09-2	METHYLENE CHLORIDE	ug/kg	3.8 U
95-47-6	O-XYLENE	ug/kg	0.76 U
100-42-5	STYRENE	ug/kg	1.5 U
1634-04-4	TERT-BUTYL METHYL ETHER	ug/kg	0.76 U
127-18-4	TETRACHLOROETHYLENE(PCE)	ug/kg	13000
108-88-3	TOLUENE	ug/kg	0.76 U
156-60-5	TRANS-1,2-DICHLOROETHENE	ug/kg	0.59 J
10061-02-6	TRANS-1,3-DICHLOROPROPENE	ug/kg	1.5 U
79-01-6	TRICHLOROETHYLENE (TCE)	ug/kg	68.8
75-69-4	TRICHLOROFLUOROMETHANE	ug/kg	3.8 U
75-01-4	VINYL CHLORIDE	ug/kg	3.6
XYLENES	XYLENES, TOTAL	ug/kg	0.76 U

NYSDEC-Pine Ave Site 2018 Site Investigation Validated Soil Analytical Data SDG: JC67840		Location ID: Depth: Sample ID: Lab Sample Id: Source: SDG: Matrix: Sampled: Validated:	MW-07 11.5-12.0 ft PINE AVE-001-01 JC67840-1 ACCUTEST JC67840 SOIL 6/11/2018 11:00 8/12/2018
CAS NO.	COMPOUND	UNITS:	
	SEMIVOLATILES		
123-91-1	1,4-DIOXANE (P-DIOXANE)	ug/kg	36 U
58-90-2	2,3,4,6-TETRACHLOROPHENOL	ug/kg	180 U
95-95-4	2,4,5-TRICHLOROPHENOL	ug/kg	180 U
88-06-2	2,4,6-TRICHLOROPHENOL	ug/kg	180 U
120-83-2	2,4-DICHLOROPHENOL	ug/kg	180 U
105-67-9	2,4-DIMETHYLPHENOL	ug/kg	180 U
51-28-5	2,4-DINITROPHENOL	ug/kg	180 UJ
121-14-2	2,4-DINITROTOLUENE	ug/kg	36 U
606-20-2	2,6-DINITROTOLUENE	ug/kg	36 U
91-58-7	2-CHLORONAPHTHALENE	ug/kg	72 U
95-57-8	2-CHLOROPHENOL	ug/kg	72 U
91-57-6	2-METHYLNAPHTHALENE	ug/kg	36 U
95-48-7	2-METHYLPHENOL (O-CRESOL)	ug/kg	72 U
88-74-4	2-NITROANILINE	ug/kg	180 U
88-75-5	2-NITROPHENOL	ug/kg	180 U
91-94-1	3,3'-DICHLORO BENZIDINE	ug/kg	72 U
99-09-2	3-NITROANILINE	ug/kg	180 U
534-52-1	4,6-DINITRO-2-METHYLPHENOL	ug/kg	180 U
101-55-3	4-BROMOPHENYL PHENYL ETHER	ug/kg	72 U
59-50-7	4-CHLORO-3-METHYLPHENOL	ug/kg	180 U
106-47-8	4-CHLOROANILINE	ug/kg	180 U
7005-72-3	4-CHLOROPHENYL PHENYL ETHER	ug/kg	72 U
100-01-6	4-NITROANILINE	ug/kg	180 U
100-02-7	4-NITROPHENOL	ug/kg	360 U
83-32-9	ACENAPHTHENE	ug/kg	36 U
208-96-8	ACENAPHTHYLENE	ug/kg	36 U
98-86-2	ACETOPHENONE	ug/kg	180 U
120-12-7	ANTHRACENE	ug/kg	36 U
1912-24-9	ATRAZINE	ug/kg	72 U
100-52-7	BENZALDEHYDE	ug/kg	180 U
56-55-3	BENZO(A)ANTHRACENE	ug/kg	36 U
50-32-8	BENZO(A)PYRENE	ug/kg	36 U
205-99-2	BENZO(B)FLUORANTHENE	ug/kg	36 U
191-24-2	BENZO(G,H,I)PERYLENE	ug/kg	36 U
207-08-9	BENZO(K)FLUORANTHENE	ug/kg	36 U
85-68-7	BENZYL BUTYL PHTHALATE	ug/kg	72 U
92-52-4	BIPHENYL (DIPHENYL)	ug/kg	72 U
111-91-1	BIS(2-CHLOROETHOXY) METHANE	ug/kg	72 U
111-44-4	BIS(2-CHLOROETHYL) ETHER	ug/kg	72 U
108-60-1	BIS(2-CHLOROISOPROPYL) ETHER	ug/kg	72 U
117-81-7	BIS(2-ETHYLHEXYL) PHTHALATE	ug/kg	72 U
105-60-2	CAPROLACTAM	ug/kg	72 U
86-74-8	CARBAZOLE	ug/kg	72 U
218-01-9	CHRYSENE	ug/kg	36 U
MEPH1314	CRESOLS, M & P	ug/kg	72 U
53-70-3	DIBENZ(A,H)ANTHRACENE	ug/kg	36 U
132-64-9	DIBENZOFURAN	ug/kg	72 U
84-66-2	DIETHYL PHTHALATE	ug/kg	72 U
131-11-3	DIMETHYL PHTHALATE	ug/kg	72 U
84-74-2	DI-N-BUTYL PHTHALATE	ug/kg	72 U
117-84-0	DI-N-OCTYL PHTHALATE	ug/kg	72 U
206-44-0	FLUORANTHENE	ug/kg	36 U
86-73-7	FLUORENE	ug/kg	36 U

NYSDEC-Pine Ave Site 2018 Site Investigation Validated Soil Analytical Data SDG: JC67840		Location ID: Depth: Sample ID: Lab Sample Id: Source: SDG: Matrix: Sampled: Validated:	MW-07 11.5-12.0 ft PINE AVE-001-01 JC67840-1 ACCUTEST JC67840 SOIL 6/11/2018 11:00 8/12/2018
CAS NO.	COMPOUND	UNITS:	
118-74-1	HEXACHLOROBENZENE	ug/kg	72 U
87-68-3	HEXACHLOROBUTADIENE	ug/kg	36 U
77-47-4	HEXACHLOROCYCLOPENTADIENE	ug/kg	360 UJ
67-72-1	HEXACHLOROETHANE	ug/kg	180 U
193-39-5	INDENO(1,2,3-C,D)PYRENE	ug/kg	36 U
78-59-1	ISOPHORONE	ug/kg	72 U
91-20-3	NAPHTHALENE	ug/kg	36 U
98-95-3	NITROBENZENE	ug/kg	72 U
621-64-7	N-NITROSODI-N-PROPYLAMINE	ug/kg	72 U
86-30-6	N-NITROSODIPHENYLAMINE	ug/kg	180 U
87-86-5	PENTACHLOROPHENOL	ug/kg	140 UJ
85-01-8	PHENANTHRENE	ug/kg	36 U
108-95-2	PHENOL	ug/kg	72 U
129-00-0	PYRENE	ug/kg	36 U
95-94-3	1,2,4,5-TETRACHLOROBENZENE	ug/kg	180 U
PESTICIDES			
309-00-2	ALDRIN	ug/kg	0.67 U
319-84-6	ALPHA BHC	ug/kg	0.67 U
959-98-8	ALPHA ENDOSULFAN	ug/kg	0.67 U
5103-71-9	ALPHA-CHLORDANE	ug/kg	0.67 U
319-85-7	BETA BHC	ug/kg	0.67 U
33213-65-9	BETA ENDOSULFAN	ug/kg	0.67 U
5103-74-2	BETA-CHLORDANE	ug/kg	0.67 U
319-86-8	DELTA BHC	ug/kg	0.67 U
60-57-1	DIELDRIN	ug/kg	0.67 U
1031-07-8	ENDOSULFAN SULFATE	ug/kg	0.67 U
72-20-8	ENDRIN	ug/kg	0.67 U
7421-93-4	ENDRIN ALDEHYDE	ug/kg	0.67 U
53494-70-5	ENDRIN KETONE	ug/kg	0.67 U
58-89-9	GAMMA BHC (LINDANE)	ug/kg	0.67 U
76-44-8	HEPTACHLOR	ug/kg	0.67 U
1024-57-3	HEPTACHLOR EPOXIDE	ug/kg	0.67 U
72-43-5	METHOXYCHLOR	ug/kg	1.3 U
72-54-8	P,P'-DDD	ug/kg	0.67 U
72-55-9	P,P'-DDE	ug/kg	0.67 U
50-29-3	P,P'-DDT	ug/kg	0.67 U
8001-35-2	TOXAPHENE	ug/kg	17 U
PCBs			
12674-11-2	PCB-1016 (AROCLOR 1016)	ug/kg	34 U
11104-28-2	PCB-1221 (AROCLOR 1221)	ug/kg	34 U
11141-16-5	PCB-1232 (AROCLOR 1232)	ug/kg	34 U
53469-21-9	PCB-1242 (AROCLOR 1242)	ug/kg	34 U
12672-29-6	PCB-1248 (AROCLOR 1248)	ug/kg	34 U
11097-69-1	PCB-1254 (AROCLOR 1254)	ug/kg	34 U
11096-82-5	PCB-1260 (AROCLOR 1260)	ug/kg	34 U
37324-23-5	PCB-1262 (AROCLOR 1262)	ug/kg	34 U
11100-14-4	PCB-1268 (AROCLOR 1268)	ug/kg	34 U
HERBICIDES			
94-75-7	2,4-D	ug/kg	17 U
93-72-1	SILVEX (2,4,5-TP)	ug/kg	3.4 U
93-76-5	2,4,5-T	ug/kg	3.4 U

NYSDEC-Pine Ave Site 2018 Site Investigation Validated Soil Analytical Data SDG: JC67840		Location ID: Depth: Sample ID: Lab Sample Id: Source: SDG: Matrix: Sampled: Validated:	MW-07 11.5-12.0 ft PINE AVE-001-01 JC67840-1 ACCUTEST JC67840 SOIL 6/11/2018 11:00 8/12/2018
CAS NO.	COMPOUND	UNITS:	
	INORGANICS		
7429-90-5	ALUMINUM	mg/kg	5310 J
7440-36-0	ANTIMONY	mg/kg	0.51 J
7440-38-2	ARSENIC	mg/kg	4.6
7440-39-3	BARIUM	mg/kg	63.7
7440-41-7	BERYLLIUM	mg/kg	0.25
7440-43-9	CADMIUM	mg/kg	0.85
7440-70-2	CALCIUM	mg/kg	106000
7440-47-3	CHROMIUM, TOTAL	mg/kg	7.6 J
7440-48-4	COBALT	mg/kg	4.8 J
7440-50-8	COPPER	mg/kg	11.6
7439-89-6	IRON	mg/kg	9580 J
7439-92-1	LEAD	mg/kg	31.5
7439-95-4	MAGNESIUM	mg/kg	42600
7439-96-5	MANGANESE	mg/kg	610 J
7439-97-6	MERCURY	mg/kg	0.036 U
7440-02-0	NICKEL	mg/kg	9.5
9/7/7440	POTASSIUM	mg/kg	1600 J
7782-49-2	SELENIUM	mg/kg	11 U
7440-22-4	SILVER	mg/kg	2.7 U
7440-23-5	SODIUM	mg/kg	194 J
7440-28-0	THALLIUM	mg/kg	5.3 U
7440-62-2	VANADIUM	mg/kg	13.7
7440-66-6	ZINC	mg/kg	187 J
57-12-5	CYANIDE	mg/kg	0.2 U
	OTHER		
SOLID	SOLIDS, PERCENT	%	89.8

NYSDEC-Pine Ave Site 2018 Site Investigation Validated Soil Analytical Data SDG: JC68329		Location ID: Depth: Sample ID: Lab Sample Id: Source: SDG: Matrix: Sampled: Validated:	MW-09 14.5-15.5 ft PINE AVE-003-01 JC68329-1 ACCUTEST JC68329 SOIL 6/18/2018 10:55 8/12/2018
CAS NO.	COMPOUND	UNITS:	
	VOLATILES		
71-55-6	1,1,1-TRICHLOROETHANE	ug/kg	2.2 U
79-34-5	1,1,2,2-TETRACHLOROETHANE	ug/kg	2.2 U
76-13-1	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/kg	5.5 U
79-00-5	1,1,2-TRICHLOROETHANE	ug/kg	2.2 U
75-34-3	1,1-DICHLOROETHANE	ug/kg	1.1 U
75-35-4	1,1-DICHLOROETHENE	ug/kg	1.1 U
87-61-6	1,2,3-TRICHLOROBENZENE	ug/kg	5.5 U
120-82-1	1,2,4-TRICHLOROBENZENE	ug/kg	5.5 U
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	ug/kg	2.2 U
106-93-4	1,2-DIBROMOETHANE	ug/kg	1.1 U
95-50-1	1,2-DICHLOROBENZENE	ug/kg	1.1 U
107-06-2	1,2-DICHLOROETHANE	ug/kg	1.1 U
78-87-5	1,2-DICHLOROPROPANE	ug/kg	2.2 U
541-73-1	1,3-DICHLOROBENZENE	ug/kg	1.1 U
106-46-7	1,4-DICHLOROBENZENE	ug/kg	1.1 U
591-78-6	2-HEXANONE	ug/kg	5.5 U
67-64-1	ACETONE	ug/kg	8.6 J
71-43-2	BENZENE	ug/kg	0.55 U
74-97-5	BROMOCHLOROMETHANE	ug/kg	5.5 U
75-27-4	BROMODICHLOROMETHANE	ug/kg	2.2 U
75-25-2	BROMOFORM	ug/kg	5.5 U
74-83-9	BROMOMETHANE	ug/kg	5.5 U
75-15-0	CARBON DISULFIDE	ug/kg	1.1 J
56-23-5	CARBON TETRACHLORIDE	ug/kg	2.2 U
108-90-7	CHLOROBENZENE	ug/kg	2.2 U
75-00-3	CHLOROETHANE	ug/kg	5.5 U
67-66-3	CHLOROFORM	ug/kg	2.2 U
74-87-3	CHLOROMETHANE	ug/kg	5.5 U
156-59-2	CIS-1,2-DICHLOROETHYLENE	ug/kg	1.1 U
10061-01-5	CIS-1,3-DICHLOROPROPENE	ug/kg	2.2 U
110-82-7	CYCLOHEXANE	ug/kg	4.1
124-48-1	DIBROMOCHLOROMETHANE	ug/kg	2.2 U
75-71-8	DICHLORODIFLUOROMETHANE	ug/kg	5.5 U
100-41-4	ETHYLBENZENE	ug/kg	1.1 U
98-82-8	ISOPROPYLBENZENE (CUMENE)	ug/kg	2.2 U
136777-61-2	M,P-XYLENES	ug/kg	1.1 U
79-20-9	METHYL ACETATE	ug/kg	5.5 U
78-93-3	METHYL ETHYL KETONE (2-BUTANONE)	ug/kg	1.1 U
108-10-1	METHYL ISOBUTYL KETONE	ug/kg	5.5 U
108-87-2	METHYLCYCLOHEXANE	ug/kg	2.2 U
75-09-2	METHYLENE CHLORIDE	ug/kg	5.5 U
95-47-6	O-XYLENE	ug/kg	1.1 U
100-42-5	STYRENE	ug/kg	2.2 U
1634-04-4	TERT-BUTYL METHYL ETHER	ug/kg	1.1 U
127-18-4	TETRACHLOROETHYLENE(PCE)	ug/kg	2.2 U
108-88-3	TOLUENE	ug/kg	1.1 U
156-60-5	TRANS-1,2-DICHLOROETHENE	ug/kg	1.1 U
10061-02-6	TRANS-1,3-DICHLOROPROPENE	ug/kg	2.2 U
79-01-6	TRICHLOROETHYLENE (TCE)	ug/kg	1.1 U
75-69-4	TRICHLOROFLUOROMETHANE	ug/kg	5.5 U
75-01-4	VINYL CHLORIDE	ug/kg	2.2 U
XYLENES	XYLENES, TOTAL	ug/kg	1.1 U

NYSDEC-Pine Ave Site 2018 Site Investigation Validated Soil Analytical Data SDG: JC68329		Location ID: Depth: Sample ID: Lab Sample Id: Source: SDG: Matrix: Sampled: Validated:	MW-09 14.5-15.5 ft PINE AVE-003-01 JC68329-1 ACCUTEST JC68329 SOIL 6/18/2018 10:55 8/12/2018
CAS NO.	COMPOUND	UNITS:	
	SEMIVOLATILES		
123-91-1	1,4-DIOXANE (P-DIOXANE)	ug/kg	48 U
58-90-2	2,3,4,6-TETRACHLOROPHENOL	ug/kg	240 U
95-95-4	2,4,5-TRICHLOROPHENOL	ug/kg	240 U
88-06-2	2,4,6-TRICHLOROPHENOL	ug/kg	240 U
120-83-2	2,4-DICHLOROPHENOL	ug/kg	240 U
105-67-9	2,4-DIMETHYLPHENOL	ug/kg	240 U
51-28-5	2,4-DINITROPHENOL	ug/kg	240 UJ
121-14-2	2,4-DINITROTOLUENE	ug/kg	48 U
606-20-2	2,6-DINITROTOLUENE	ug/kg	48 U
91-58-7	2-CHLORONAPHTHALENE	ug/kg	95 U
95-57-8	2-CHLOROPHENOL	ug/kg	95 U
91-57-6	2-METHYLNAPHTHALENE	ug/kg	48 U
95-48-7	2-METHYLPHENOL (O-CRESOL)	ug/kg	95 U
88-74-4	2-NITROANILINE	ug/kg	240 U
88-75-5	2-NITROPHENOL	ug/kg	240 U
91-94-1	3,3'-DICHLORO BENZIDINE	ug/kg	95 U
99-09-2	3-NITROANILINE	ug/kg	240 U
534-52-1	4,6-DINITRO-2-METHYLPHENOL	ug/kg	240 U
101-55-3	4-BROMOPHENYL PHENYL ETHER	ug/kg	95 U
59-50-7	4-CHLORO-3-METHYLPHENOL	ug/kg	240 U
106-47-8	4-CHLOROANILINE	ug/kg	240 U
7005-72-3	4-CHLOROPHENYL PHENYL ETHER	ug/kg	95 U
100-01-6	4-NITROANILINE	ug/kg	240 U
100-02-7	4-NITROPHENOL	ug/kg	480 U
83-32-9	ACENAPHTHENE	ug/kg	48 U
208-96-8	ACENAPHTHYLENE	ug/kg	48 U
98-86-2	ACETOPHENONE	ug/kg	240 U
120-12-7	ANTHRACENE	ug/kg	48 U
1912-24-9	ATRAZINE	ug/kg	95 U
100-52-7	BENZALDEHYDE	ug/kg	240 U
56-55-3	BENZO(A)ANTHRACENE	ug/kg	48 U
50-32-8	BENZO(A)PYRENE	ug/kg	48 U
205-99-2	BENZO(B)FLUORANTHENE	ug/kg	48 U
191-24-2	BENZO(G,H,I)PERYLENE	ug/kg	48 U
207-08-9	BENZO(K)FLUORANTHENE	ug/kg	48 U
85-68-7	BENZYL BUTYL PHTHALATE	ug/kg	95 U
92-52-4	BIPHENYL (DIPHENYL)	ug/kg	95 U
111-91-1	BIS(2-CHLOROETHOXY) METHANE	ug/kg	95 U
111-44-4	BIS(2-CHLOROETHYL) ETHER	ug/kg	95 U
108-60-1	BIS(2-CHLOROISOPROPYL) ETHER	ug/kg	95 U
117-81-7	BIS(2-ETHYLHEXYL) PHTHALATE	ug/kg	95 U
105-60-2	CAPROLACTAM	ug/kg	95 U
86-74-8	CARBAZOLE	ug/kg	95 U
218-01-9	CHRYSENE	ug/kg	48 U
MEPH1314	CRESOLS, M & P	ug/kg	95 U
53-70-3	DIBENZ(A,H)ANTHRACENE	ug/kg	48 U
132-64-9	DIBENZOFURAN	ug/kg	95 U
84-66-2	DIETHYL PHTHALATE	ug/kg	95 U
131-11-3	DIMETHYL PHTHALATE	ug/kg	95 U
84-74-2	DI-N-BUTYL PHTHALATE	ug/kg	95 U
117-84-0	DI-N-OCTYL PHTHALATE	ug/kg	95 U
206-44-0	FLUORANTHENE	ug/kg	48 U
86-73-7	FLUORENE	ug/kg	48 U
118-74-1	HEXACHLOROBENZENE	ug/kg	95 U
87-68-3	HEXACHLOROBUTADIENE	ug/kg	48 U
77-47-4	HEXACHLOROCYCLOPENTADIENE	ug/kg	480 UJ
67-72-1	HEXACHLOROETHANE	ug/kg	240 U
193-39-5	INDENO(1,2,3-C,D)PYRENE	ug/kg	48 U
78-59-1	ISOPHORONE	ug/kg	95 U

NYSDEC-Pine Ave Site 2018 Site Investigation Validated Soil Analytical Data SDG: JC68329		Location ID: Depth: Sample ID: Lab Sample Id: Source: SDG: Matrix: Sampled: Validated:	MW-09 14.5-15.5 ft PINE AVE-003-01 JC68329-1 ACCUTEST JC68329 SOIL 6/18/2018 10:55 8/12/2018
CAS NO.	COMPOUND	UNITS:	
91-20-3	NAPHTHALENE	ug/kg	48 U
98-95-3	NITROBENZENE	ug/kg	95 U
621-64-7	N-NITROSODI-N-PROPYLAMINE	ug/kg	95 U
86-30-6	N-NITROSODIPHENYLAMINE	ug/kg	240 U
87-86-5	PENTACHLOROPHENOL	ug/kg	190 UJ
85-01-8	PHENANTHRENE	ug/kg	48 U
108-95-2	PHENOL	ug/kg	95 U
129-00-0	PYRENE	ug/kg	48 U
95-94-3	1,2,4,5-TETRACHLOROBENZENE	ug/kg	240 U
PESTICIDES			
309-00-2	ALDRIN	ug/kg	0.85 U
319-84-6	ALPHA BHC	ug/kg	0.85 U
959-98-8	ALPHA ENDOSULFAN	ug/kg	0.85 U
5103-71-9	ALPHA-CHLORDANE	ug/kg	0.85 U
319-85-7	BETA BHC	ug/kg	0.85 U
33213-65-9	BETA ENDOSULFAN	ug/kg	0.85 U
5103-74-2	BETA-CHLORDANE	ug/kg	0.85 U
319-86-8	DELTA BHC	ug/kg	0.85 U
60-57-1	DIELDRIN	ug/kg	0.85 U
1031-07-8	ENDOSULFAN SULFATE	ug/kg	0.85 U
72-20-8	ENDRIN	ug/kg	0.85 U
7421-93-4	ENDRIN ALDEHYDE	ug/kg	0.85 U
53494-70-5	ENDRIN KETONE	ug/kg	0.85 U
58-89-9	GAMMA BHC (LINDANE)	ug/kg	0.85 U
76-44-8	HEPTACHLOR	ug/kg	0.85 U
1024-57-3	HEPTACHLOR EPOXIDE	ug/kg	0.85 U
72-43-5	METHOXYCHLOR	ug/kg	1.7 U
72-54-8	P,P'-DDD	ug/kg	0.85 U
72-55-9	P,P'-DDE	ug/kg	0.85 U
50-29-3	P,P'-DDT	ug/kg	0.85 U
8001-35-2	TOXAPHENE	ug/kg	21 U
PCBs			
12674-11-2	PCB-1016 (AROCLOR 1016)	ug/kg	43 U
11104-28-2	PCB-1221 (AROCLOR 1221)	ug/kg	43 U
11141-16-5	PCB-1232 (AROCLOR 1232)	ug/kg	43 U
53469-21-9	PCB-1242 (AROCLOR 1242)	ug/kg	43 U
12672-29-6	PCB-1248 (AROCLOR 1248)	ug/kg	43 U
11097-69-1	PCB-1254 (AROCLOR 1254)	ug/kg	43 U
11096-82-5	PCB-1260 (AROCLOR 1260)	ug/kg	43 U
37324-23-5	PCB-1262 (AROCLOR 1262)	ug/kg	43 U
11100-14-4	PCB-1268 (AROCLOR 1268)	ug/kg	43 U
HERBICIDES			
94-75-7	2,4-D	ug/kg	21 U
93-72-1	SILVEX (2,4,5-TP)	ug/kg	4.3 U
93-76-5	2,4,5-T	ug/kg	4.3 U

NYSDEC-Pine Ave Site 2018 Site Investigation Validated Soil Analytical Data SDG: JC68329		Location ID: Depth: Sample ID: Lab Sample Id: Source: SDG: Matrix: Sampled: Validated:	MW-09 14.5-15.5 ft PINE AVE-003-01 JC68329-1 ACCUTEST JC68329 SOIL 6/18/2018 10:55 8/12/2018
CAS NO.	COMPOUND	UNITS:	
	INORGANICS		
7429-90-5	ALUMINUM	mg/kg	24100
7440-36-0	ANTIMONY	mg/kg	2.8 UJ
7440-38-2	ARSENIC	mg/kg	3.6
7440-39-3	BARIUM	mg/kg	139
7440-41-7	BERYLLIUM	mg/kg	1.1
7440-43-9	CADMIUM	mg/kg	0.11 J
7440-70-2	CALCIUM	mg/kg	50200 J
7440-47-3	CHROMIUM, TOTAL	mg/kg	32.1
7440-48-4	COBALT	mg/kg	15.4
7440-50-8	COPPER	mg/kg	21.8
7439-89-6	IRON	mg/kg	32900
7439-92-1	LEAD	mg/kg	10.5
7439-95-4	MAGNESIUM	mg/kg	14100 J
7439-96-5	MANGANESE	mg/kg	645
7439-97-6	MERCURY	mg/kg	0.033 U
7440-02-0	NICKEL	mg/kg	36.5
9/7/7440	POTASSIUM	mg/kg	6580 J
7782-49-2	SELENIUM	mg/kg	2.8 U
7440-22-4	SILVER	mg/kg	0.69 U
7440-23-5	SODIUM	mg/kg	321 J
7440-28-0	THALLIUM	mg/kg	1.4 U
7440-62-2	VANADIUM	mg/kg	44.7
7440-66-6	ZINC	mg/kg	69.9 J
57-12-5	CYANIDE	mg/kg	0.19 U
	OTHER		
SOLID	SOLIDS, PERCENT	%	69.8

			Dup of	
			SB-10	PINE AVE-004-01
NYSDC-Pine Ave Site 2018 Site Investigation Validated Soil Analytical Data SDG: JC68469		Location ID: Depth: Sample ID: Lab Sample Id: Source: SDG: Matrix: Sampled: Validated:	SB-10 9.0-10.0 ft PINE AVE-004-01 JC68469-1 ACCUTEST JC68469 SOIL 6/20/2018 10:10 8/12/2018	SB-10 9.0-10.0 ft PINE AVE-004-02 JC68469-2 ACCUTEST JC68469 SOIL 6/20/2018 0:00 8/12/2018
CAS NO.	COMPOUND	UNITS:		
	VOLATILES			
71-55-6	1,1,1-TRICHLOROETHANE	ug/kg	2.2 U	2.1 U
79-34-5	1,1,2,2-TETRACHLOROETHANE	ug/kg	2.2 U	2.1 U
76-13-1	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/kg	5.6 U	5.3 U
79-00-5	1,1,2-TRICHLOROETHANE	ug/kg	2.2 U	2.1 U
75-34-3	1,1-DICHLOROETHANE	ug/kg	1.1 U	1.1 U
75-35-4	1,1-DICHLOROETHENE	ug/kg	1.1 U	1.1 U
87-61-6	1,2,3-TRICHLOROBENZENE	ug/kg	5.6 U	5.3 U
120-82-1	1,2,4-TRICHLOROBENZENE	ug/kg	5.6 U	5.3 U
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	ug/kg	2.2 U	2.1 U
106-93-4	1,2-DIBROMOETHANE	ug/kg	1.1 U	1.1 U
95-50-1	1,2-DICHLOROBENZENE	ug/kg	1.1 U	1.1 U
107-06-2	1,2-DICHLOROETHANE	ug/kg	1.1 U	1.1 U
78-87-5	1,2-DICHLOROPROPANE	ug/kg	2.2 U	2.1 U
541-73-1	1,3-DICHLOROBENZENE	ug/kg	1.1 U	1.1 U
106-46-7	1,4-DICHLOROBENZENE	ug/kg	1.1 U	1.1 U
591-78-6	2-HEXANONE	ug/kg	5.6 U	5.3 U
67-64-1	ACETONE	ug/kg	7.8 J	11 U
71-43-2	BENZENE	ug/kg	0.56 U	0.53 U
74-97-5	BROMOCHLOROMETHANE	ug/kg	5.6 U	5.3 U
75-27-4	BROMODICHLOROMETHANE	ug/kg	2.2 U	2.1 U
75-25-2	BROMOFORM	ug/kg	5.6 U	5.3 U
74-83-9	BROMOMETHANE	ug/kg	5.6 UJ	5.3 UJ
75-15-0	CARBON DISULFIDE	ug/kg	2.2 U	2.1 U
56-23-5	CARBON TETRACHLORIDE	ug/kg	2.2 U	2.1 U
108-90-7	CHLOROBENZENE	ug/kg	2.2 U	2.1 U
75-00-3	CHLOROETHANE	ug/kg	5.6 U	5.3 U
67-66-3	CHLOROFORM	ug/kg	2.2 U	2.1 U
74-87-3	CHLOROMETHANE	ug/kg	5.6 U	5.3 U
156-59-2	CIS-1,2-DICHLOROETHYLENE	ug/kg	1.4	1.4
10061-01-5	CIS-1,3-DICHLOROPROPENE	ug/kg	2.2 U	2.1 U
110-82-7	CYCLOHEXANE	ug/kg	2.2 U	2.1 U
124-48-1	DIBROMOCHLOROMETHANE	ug/kg	2.2 U	2.1 U
75-71-8	DICHLORODIFLUOROMETHANE	ug/kg	5.6 U	5.3 U
100-41-4	ETHYLBENZENE	ug/kg	1.1 U	1.1 U
98-82-8	ISOPROPYLBENZENE (CUMENE)	ug/kg	2.2 U	2.1 U
136777-61-2	M,P-XYLENES	ug/kg	1.1 U	1.1 U
79-20-9	METHYL ACETATE	ug/kg	5.6 U	5.3 U
78-93-3	METHYL ETHYL KETONE (2-BUTANONE)	ug/kg	11 U	11 U
108-10-1	METHYL ISOBUTYL KETONE	ug/kg	5.6 U	5.3 U
108-87-2	METHYLCYCLOHEXANE	ug/kg	2.2 U	2.1 U
75-09-2	METHYLENE CHLORIDE	ug/kg	5.6 U	5.3 U
95-47-6	O-XYLENE	ug/kg	1.1 U	1.1 U
100-42-5	STYRENE	ug/kg	2.2 U	2.1 U
1634-04-4	TERT-BUTYL METHYL ETHER	ug/kg	1.1 U	1.1 U
127-18-4	TETRACHLOROETHYLENE(PCE)	ug/kg	6220 J	2910 J
108-88-3	TOLUENE	ug/kg	1.1 U	1.1 U
156-60-5	TRANS-1,2-DICHLOROETHENE	ug/kg	1.1 U	1.1 U
10061-02-6	TRANS-1,3-DICHLOROPROPENE	ug/kg	2.2 U	2.1 U
79-01-6	TRICHLOROETHYLENE (TCE)	ug/kg	12.8	12.6
75-69-4	TRICHLOROFLUOROMETHANE	ug/kg	5.6 U	5.3 U
75-01-4	VINYL CHLORIDE	ug/kg	2.2 U	2.1 U
XYLENES	XYLENES, TOTAL	ug/kg	1.1 U	1.1 U

			Dup of	
			SB-10	PINE AVE-004-01
NYSEDEC-Pine Ave Site 2018 Site Investigation Validated Soil Analytical Data SDG: JC68469		Location ID: Depth: Sample ID: Lab Sample Id: Source: SDG: Matrix: Sampled: Validated:	SB-10 9.0-10.0 ft PINE AVE-004-01 JC68469-1 ACCUTEST JC68469 SOIL 6/20/2018 10:10 8/12/2018	SB-10 9.0-10.0 ft PINE AVE-004-02 JC68469-2 ACCUTEST JC68469 SOIL 6/20/2018 0:00 8/12/2018
CAS NO.	COMPOUND	UNITS:		
	SEMIVOLATILES			
123-91-1	1,4-DIOXANE (P-DIOXANE)	ug/kg	41 U	41 U
58-90-2	2,3,4,6-TETRACHLOROPHENOL	ug/kg	200 U	210 U
95-95-4	2,4,5-TRICHLOROPHENOL	ug/kg	200 U	210 U
88-06-2	2,4,6-TRICHLOROPHENOL	ug/kg	200 U	210 U
120-83-2	2,4-DICHLOROPHENOL	ug/kg	200 U	210 U
105-67-9	2,4-DIMETHYLPHENOL	ug/kg	200 U	210 U
51-28-5	2,4-DINITROPHENOL	ug/kg	200 UJ	210 UJ
121-14-2	2,4-DINITROTOLUENE	ug/kg	41 U	41 U
606-20-2	2,6-DINITROTOLUENE	ug/kg	41 U	41 U
91-58-7	2-CHLORONAPHTHALENE	ug/kg	82 U	83 U
95-57-8	2-CHLOROPHENOL	ug/kg	82 U	83 U
91-57-6	2-METHYLNAPHTHALENE	ug/kg	41 U	41 U
95-48-7	2-METHYLPHENOL (O-CRESOL)	ug/kg	82 U	83 U
88-74-4	2-NITROANILINE	ug/kg	200 U	210 U
88-75-5	2-NITROPHENOL	ug/kg	200 U	210 U
91-94-1	3,3'-DICHLOROBENZIDINE	ug/kg	82 U	83 U
99-09-2	3-NITROANILINE	ug/kg	200 U	210 U
534-52-1	4,6-DINITRO-2-METHYLPHENOL	ug/kg	200 U	210 U
101-55-3	4-BROMOPHENYL PHENYL ETHER	ug/kg	82 U	83 U
59-50-7	4-CHLORO-3-METHYLPHENOL	ug/kg	200 U	210 U
106-47-8	4-CHLOROANILINE	ug/kg	200 U	210 U
7005-72-3	4-CHLOROPHENYL PHENYL ETHER	ug/kg	82 U	83 U
100-01-6	4-NITROANILINE	ug/kg	200 U	210 U
100-02-7	4-NITROPHENOL	ug/kg	410 U	410 U
83-32-9	ACENAPHTHENE	ug/kg	41 U	41 U
208-96-8	ACENAPHTHYLENE	ug/kg	41 U	41 U
98-86-2	ACETOPHENONE	ug/kg	200 U	210 U
120-12-7	ANTHRACENE	ug/kg	41 U	41 U
1912-24-9	ATRAZINE	ug/kg	82 U	83 U
100-52-7	BENZALDEHYDE	ug/kg	200 U	210 U
56-55-3	BENZO(A)ANTHRACENE	ug/kg	41 U	41 U
50-32-8	BENZO(A)PYRENE	ug/kg	41 U	41 U
205-99-2	BENZO(B)FLUORANTHENE	ug/kg	41 U	41 U
191-24-2	BENZO(G,H,I)PERYLENE	ug/kg	41 U	41 U
207-08-9	BENZO(K)FLUORANTHENE	ug/kg	41 U	41 U
85-68-7	BENZYL BUTYL PHTHALATE	ug/kg	82 U	83 U
92-52-4	BIPHENYL (DIPHENYL)	ug/kg	82 U	83 U
111-91-1	BIS(2-CHLOROETHOXY) METHANE	ug/kg	82 U	83 U
111-44-4	BIS(2-CHLOROETHYL) ETHER	ug/kg	82 U	83 U
108-60-1	BIS(2-CHLOROISOPROPYL) ETHER	ug/kg	82 U	83 U
117-81-7	BIS(2-ETHYLHEXYL) PHTHALATE	ug/kg	82 U	83 U
105-60-2	CAPROLACTAM	ug/kg	82 U	83 U
86-74-8	CARBAZOLE	ug/kg	82 U	83 U
218-01-9	CHRYSENE	ug/kg	41 U	41 U
MEPH1314	CRESOLS, M & P	ug/kg	82 U	83 U
53-70-3	DIBENZ(A,H)ANTHRACENE	ug/kg	41 U	41 U
132-64-9	DIBENZOFURAN	ug/kg	82 U	83 U
84-66-2	DIETHYL PHTHALATE	ug/kg	82 U	83 U
131-11-3	DIMETHYL PHTHALATE	ug/kg	82 U	83 U
84-74-2	DI-N-BUTYL PHTHALATE	ug/kg	82 U	83 U
117-84-0	DI-N-OCTYLPHTHALATE	ug/kg	82 U	83 U

			Dup of	
			SB-10	PINE AVE-004-01
NYSEDEC-Pine Ave Site 2018 Site Investigation Validated Soil Analytical Data SDG: JC68469		Location ID: Depth: Sample ID: Lab Sample Id: Source: SDG: Matrix: Sampled: Validated:	SB-10 9.0-10.0 ft PINE AVE-004-01 JC68469-1 ACCUTEST JC68469 SOIL 6/20/2018 10:10 8/12/2018	SB-10 9.0-10.0 ft PINE AVE-004-02 JC68469-2 ACCUTEST JC68469 SOIL 6/20/2018 0:00 8/12/2018
CAS NO.	COMPOUND	UNITS:		
206-44-0	FLUORANTHENE	ug/kg	41 U	41 U
86-73-7	FLUORENE	ug/kg	41 U	41 U
118-74-1	HEXACHLOROBENZENE	ug/kg	82 U	83 U
87-68-3	HEXACHLOROBUTADIENE	ug/kg	41 U	41 U
77-47-4	HEXACHLOROCYCLOPENTADIENE	ug/kg	410 UJ	410 UJ
67-72-1	HEXACHLOROETHANE	ug/kg	200 U	210 U
193-39-5	INDENO(1,2,3-C,D)PYRENE	ug/kg	41 U	41 U
78-59-1	ISOPHORONE	ug/kg	82 U	83 U
91-20-3	NAPHTHALENE	ug/kg	41 U	41 U
98-95-3	NITROBENZENE	ug/kg	82 U	83 U
621-64-7	N-NITROSODI-N-PROPYLAMINE	ug/kg	82 U	83 U
86-30-6	N-NITROSODIPHENYLAMINE	ug/kg	200 U	210 U
87-86-5	PENTACHLOROPHENOL	ug/kg	160 UJ	170 UJ
85-01-8	PHENANTHRENE	ug/kg	41 U	41 U
108-95-2	PHENOL	ug/kg	82 U	83 U
129-00-0	PYRENE	ug/kg	41 U	41 U
95-94-3	1,2,4,5-TETRACHLOROBENZENE	ug/kg	200 U	210 U
PESTICIDES				
309-00-2	ALDRIN	ug/kg	0.8 U	0.79 U
319-84-6	ALPHA BHC	ug/kg	0.8 U	0.79 U
959-98-8	ALPHA ENDOSULFAN	ug/kg	0.8 U	0.79 U
5103-71-9	ALPHA-CHLORDANE	ug/kg	0.8 U	0.79 U
319-85-7	BETA BHC	ug/kg	0.8 U	0.79 U
33213-65-9	BETA ENDOSULFAN	ug/kg	0.8 U	0.79 U
5103-74-2	BETA-CHLORDANE	ug/kg	0.8 U	0.79 U
319-86-8	DELTA BHC	ug/kg	0.8 U	0.79 U
60-57-1	DIELDRIN	ug/kg	0.8 U	0.79 U
1031-07-8	ENDOSULFAN SULFATE	ug/kg	0.8 U	0.79 U
72-20-8	ENDRIN	ug/kg	0.8 U	0.79 U
7421-93-4	ENDRIN ALDEHYDE	ug/kg	0.8 U	0.79 U
53494-70-5	ENDRIN KETONE	ug/kg	0.8 U	0.79 U
58-89-9	GAMMA BHC (LINDANE)	ug/kg	0.8 U	0.79 U
76-44-8	HEPTACHLOR	ug/kg	0.8 U	0.79 U
1024-57-3	HEPTACHLOR EPOXIDE	ug/kg	0.8 U	0.79 U
72-43-5	METHOXYCHLOR	ug/kg	1.6 U	1.6 U
72-54-8	P,P'-DDD	ug/kg	0.8 U	0.79 U
72-55-9	P,P'-DDE	ug/kg	0.8 U	0.79 U
50-29-3	P,P'-DDT	ug/kg	0.8 U	0.79 U
8001-35-2	TOXAPHENE	ug/kg	20 U	20 U
PCBs				
12674-11-2	PCB-1016 (AROCLOR 1016)	ug/kg	40 U	39 U
11104-28-2	PCB-1221 (AROCLOR 1221)	ug/kg	40 U	39 U
11141-16-5	PCB-1232 (AROCLOR 1232)	ug/kg	40 U	39 U
53469-21-9	PCB-1242 (AROCLOR 1242)	ug/kg	40 U	39 U
12672-29-6	PCB-1248 (AROCLOR 1248)	ug/kg	40 U	39 U
11097-69-1	PCB-1254 (AROCLOR 1254)	ug/kg	40 U	39 U
11096-82-5	PCB-1260 (AROCLOR 1260)	ug/kg	40 U	39 U
37324-23-5	PCB-1262 (AROCLOR 1262)	ug/kg	40 U	39 U
11100-14-4	PCB-1268 (AROCLOR 1268)	ug/kg	40 U	39 U
HERBICIDES				
94-75-7	2,4-D	ug/kg	20 U	19 U
93-72-1	SILVEX (2,4,5-TP)	ug/kg	4 U	3.8 U
93-76-5	2,4,5-T	ug/kg	4 U	3.8 U

			Dup of	
			SB-10	PINE AVE-004-01
NYSDEC-Pine Ave Site 2018 Site Investigation Validated Soil Analytical Data SDG: JC68469		Location ID: Depth: Sample ID: Lab Sample Id: Source: SDG: Matrix: Sampled: Validated:	SB-10 9.0-10.0 ft PINE AVE-004-01 JC68469-1 ACCUTEST JC68469 SOIL 6/20/2018 10:10 8/12/2018	SB-10 9.0-10.0 ft PINE AVE-004-02 JC68469-2 ACCUTEST JC68469 SOIL 6/20/2018 0:00 8/12/2018
CAS NO.	COMPOUND	UNITS:		
	INORGANICS			
7429-90-5	ALUMINUM	mg/kg	17700	19100
7440-36-0	ANTIMONY	mg/kg	0.66 J	0.82 J
7440-38-2	ARSENIC	mg/kg	5.3	3.2
7440-39-3	BARIUM	mg/kg	108	87.7
7440-41-7	BERYLLIUM	mg/kg	0.81	0.9
7440-43-9	CADMIUM	mg/kg	0.2 J	0.19 J
7440-70-2	CALCIUM	mg/kg	61400	39200
7440-47-3	CHROMIUM, TOTAL	mg/kg	24.7	26.3
7440-48-4	COBALT	mg/kg	12.8	11.2
7440-50-8	COPPER	mg/kg	19.1	20.3
7439-89-6	IRON	mg/kg	26800	27700
7439-92-1	LEAD	mg/kg	8.8	9
7439-95-4	MAGNESIUM	mg/kg	11900	12400
7439-96-5	MANGANESE	mg/kg	701	398
7439-97-6	MERCURY	mg/kg	0.04 U	0.018 J
7440-02-0	NICKEL	mg/kg	31.8	27.5
9/7/7440	POTASSIUM	mg/kg	4030	4310
7782-49-2	SELENIUM	mg/kg	2.5 U	2.6 U
7440-22-4	SILVER	mg/kg	0.63 U	0.64 U
7440-23-5	SODIUM	mg/kg	223 J	202 J
7440-28-0	THALLIUM	mg/kg	1.3 U	1.3 U
7440-62-2	VANADIUM	mg/kg	34.3	35.9
7440-66-6	ZINC	mg/kg	56.7	61.8
57-12-5	CYANIDE	mg/kg	0.17 U	0.23 U
	OTHER			
SOLID	SOLIDS, PERCENT	%	79	78

NYSDEC-Pine Ave Site 2018 Site Investigation Validated Soil Analytical Data SDG: JC69463		Location ID: Depth: Sample ID: Lab Sample Id: Source: SDG: Matrix: Sampled: Validated:	SB-11 0.5-1.5 ft PINE AVE-005-01 JC69463-1 ACCUTEST JC69463 SOIL 7/6/2018 9:30 8/12/2018	SB-11 1.5-2.0 ft PINE AVE-005-02 JC69463-2 ACCUTEST JC69463 SOIL 7/6/2018 9:35 8/12/2018	SB-11 2.0-2.5 ft PINE AVE-005-03 JC69463-3 ACCUTEST JC69463 SOIL 7/6/2018 9:40 8/12/2018	SB-11 3.0-4.0 ft PINE AVE-005-04 JC69463-4 ACCUTEST JC69463 SOIL 7/6/2018 9:45 8/12/2018
CAS NO.	COMPOUND	UNITS:				
	VOLATILES					
71-55-6	1,1,1-TRICHLOROETHANE	ug/kg	2.1 U	2.4 U	2.5 U	1.6 U
79-34-5	1,1,2,2-TETRACHLOROETHANE	ug/kg	2.1 U	2.4 U	2.5 U	1.6 U
76-13-1	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/kg	5.2 U	6 U	6.1 U	4.1 U
79-00-5	1,1,2-TRICHLOROETHANE	ug/kg	2.1 U	2.4 U	2.5 U	1.6 U
75-34-3	1,1-DICHLOROETHANE	ug/kg	1 U	1.2 U	1.2 U	0.82 U
75-35-4	1,1-DICHLOROETHENE	ug/kg	1.9	1.2 U	3.8	1.3
87-61-6	1,2,3-TRICHLOROBENZENE	ug/kg	5.2 U	6 U	6.1 U	4.1 U
120-82-1	1,2,4-TRICHLOROBENZENE	ug/kg	5.2 U	6 U	6.1 U	4.1 U
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	ug/kg	2.1 U	2.4 U	2.5 U	1.6 U
106-93-4	1,2-DIBROMOETHANE	ug/kg	1 U	1.2 U	1.2 U	0.82 U
95-50-1	1,2-DICHLOROBENZENE	ug/kg	0.78 J	0.57 J	1.2 U	1.3
107-06-2	1,2-DICHLOROETHANE	ug/kg	1 U	1.2 U	1.2 U	0.82 U
78-87-5	1,2-DICHLOROPROPANE	ug/kg	0.51 J	2.4 U	2.5 U	1.6 U
541-73-1	1,3-DICHLOROBENZENE	ug/kg	1 U	1.2 U	1.2 U	0.82 U
106-46-7	1,4-DICHLOROBENZENE	ug/kg	1 U	1.2 U	1.2 U	0.82 U
591-78-6	2-HEXANONE	ug/kg	5.2 U	6 U	6.1 U	4.1 U
67-64-1	ACETONE	ug/kg	22.7	23.7	16.4	12.3
71-43-2	BENZENE	ug/kg	0.52 U	0.6 U	0.67	0.41 U
74-97-5	BROMOCHLOROMETHANE	ug/kg	5.2 U	6 U	6.1 U	4.1 U
75-27-4	BROMODICHLOROMETHANE	ug/kg	2.1 U	2.4 U	2.5 U	1.6 U
75-25-2	BROMOFORM	ug/kg	5.2 U	6 U	6.1 U	4.1 U
74-83-9	BROMOMETHANE	ug/kg	5.2 U	6 U	6.1 U	4.1 U
75-15-0	CARBON DISULFIDE	ug/kg	1.7 J	2.1 J	1.4 J	1.3 J
56-23-5	CARBON TETRACHLORIDE	ug/kg	2.1 U	2.4 U	2.5 U	1.6 U
108-90-7	CHLOROBENZENE	ug/kg	2.1 U	2.4 U	0.5 J	0.52 J
75-00-3	CHLOROETHANE	ug/kg	5.2 U	6 U	6.1 U	4.1 U
67-66-3	CHLOROFORM	ug/kg	2.1 U	2.4 U	2.5 U	1.6 U
74-87-3	CHLOROMETHANE	ug/kg	5.2 U	6 U	6.1 U	4.1 U
156-59-2	CIS-1,2-DICHLOROETHYLENE	ug/kg	2070	1200	859	142
10061-01-5	CIS-1,3-DICHLOROPROPENE	ug/kg	2.1 U	2.4 U	2.5 U	1.6 U
110-82-7	CYCLOHEXANE	ug/kg	2.1 U	2.4 U	0.58 J	1.6 U
124-48-1	DIBROMOCHLOROMETHANE	ug/kg	2.1 U	2.4 U	2.5 U	1.6 U
75-71-8	DICHLORODIFLUOROMETHANE	ug/kg	5.2 U	6 U	6.1 U	4.1 U
100-41-4	ETHYLBENZENE	ug/kg	1 U	1.2 U	1.2 U	0.82 U
98-82-8	ISOPROPYLBENZENE (CUMENE)	ug/kg	2.1 U	2.4 U	2.5 U	0.88 J
136777-61-2	M,P-XYLENES	ug/kg	1 U	1.2 U	1.1 J	1
79-20-9	METHYL ACETATE	ug/kg	5.2 U	6 U	6.1 U	4.1 U
78-93-3	METHYL ETHYL KETONE (2-BUTANONE)	ug/kg	10 U	12 U	12 U	8.2 U
108-10-1	METHYL ISOBUTYL KETONE	ug/kg	5.2 U	6 U	6.1 U	4.1 U
108-87-2	METHYLCYCLOHEXANE	ug/kg	2.1 U	2.4 U	1.3 J	1.6 U
75-09-2	METHYLENE CHLORIDE	ug/kg	5.2 U	6 U	6.1 U	4.1 U
95-47-6	O-XYLENE	ug/kg	1 U	1.2 U	0.99 J	1.2
100-42-5	STYRENE	ug/kg	2.1 U	2.4 U	2.5 U	1.6 U
1634-04-4	TERT-BUTYL METHYL ETHER	ug/kg	1 U	1.2 U	1.2 U	0.82 U
127-18-4	TETRACHLOROETHYLENE(PCE)	ug/kg	75500	157000	237000	164000
108-88-3	TOLUENE	ug/kg	0.53 J	1.2 U	1.8	1.1
156-60-5	TRANS-1,2-DICHLOROETHENE	ug/kg	9.6	3.3	8.4	2.7
10061-02-6	TRANS-1,3-DICHLOROPROPENE	ug/kg	2.1 U	2.4 U	2.5 U	1.6 U
79-01-6	TRICHLOROETHYLENE (TCE)	ug/kg	6910	2540	3990	2190
75-69-4	TRICHLOROFLUOROMETHANE	ug/kg	5.2 U	6 U	6.1 U	4.1 U
75-01-4	VINYL CHLORIDE	ug/kg	4.4	2.9	13.4	2.7
XYLENES	XYLENES, TOTAL	ug/kg	1 U	1.2 U	2.1	2.2

NYSDEC-Pine Ave Site 2018 Site Investigation Validated Soil Analytical Data SDG: JC69463		Location ID: Depth: Sample ID: Lab Sample Id: Source: SDG: Matrix: Sampled: Validated:	SB-11 0.5-1.5 ft PINE AVE-005-01 JC69463-1 ACCUTEST JC69463 SOIL 7/6/2018 9:30 8/12/2018	SB-11 1.5-2.0 ft PINE AVE-005-02 JC69463-2 ACCUTEST JC69463 SOIL 7/6/2018 9:35 8/12/2018	SB-11 2.0-2.5 ft PINE AVE-005-03 JC69463-3 ACCUTEST JC69463 SOIL 7/6/2018 9:40 8/12/2018	SB-11 3.0-4.0 ft PINE AVE-005-04 JC69463-4 ACCUTEST JC69463 SOIL 7/6/2018 9:45 8/12/2018
CAS NO.	COMPOUND	UNITS:				
	SEMIVOLATILES					
123-91-1	1,4-DIOXANE (P-DIOXANE)	ug/kg	43 U	44 U	42 U	37 U
58-90-2	2,3,4,6-TETRACHLOROPHENOL	ug/kg	220 U	220 U	210 U	180 U
95-95-4	2,4,5-TRICHLOROPHENOL	ug/kg	220 U	220 U	210 U	180 U
88-06-2	2,4,6-TRICHLOROPHENOL	ug/kg	220 U	220 U	210 U	180 U
120-83-2	2,4-DICHLOROPHENOL	ug/kg	220 U	220 U	210 U	180 U
105-67-9	2,4-DIMETHYLPHENOL	ug/kg	220 U	220 U	210 U	180 U
51-28-5	2,4-DINITROPHENOL	ug/kg	220 UJ	220 UJ	210 UJ	180 UJ
121-14-2	2,4-DINITROTOLUENE	ug/kg	43 U	44 U	42 U	37 U
606-20-2	2,6-DINITROTOLUENE	ug/kg	43 U	44 U	42 U	37 U
91-58-7	2-CHLORONAPHTHALENE	ug/kg	86 U	88 U	85 U	74 U
95-57-8	2-CHLOROPHENOL	ug/kg	86 U	88 U	85 U	74 U
91-57-6	2-METHYLNAPHTHALENE	ug/kg	43 U	44 U	42 U	37 U
95-48-7	2-METHYLPHENOL (O-CRESOL)	ug/kg	86 U	88 U	85 U	74 U
88-74-4	2-NITROANILINE	ug/kg	220 UJ	220 UJ	210 UJ	180 UJ
88-75-5	2-NITROPHENOL	ug/kg	220 U	220 U	210 U	180 U
91-94-1	3,3'-DICHLOROBENZIDINE	ug/kg	86 U	88 U	85 U	74 U
99-09-2	3-NITROANILINE	ug/kg	220 U	220 U	210 U	180 U
534-52-1	4,6-DINITRO-2-METHYLPHENOL	ug/kg	220 U	220 U	210 U	180 U
101-55-3	4-BROMOPHENYL PHENYL ETHER	ug/kg	86 U	88 U	85 U	74 U
59-50-7	4-CHLORO-3-METHYLPHENOL	ug/kg	220 U	220 U	210 U	180 U
106-47-8	4-CHLOROANILINE	ug/kg	220 U	220 U	210 U	180 U
7005-72-3	4-CHLOROPHENYL PHENYL ETHER	ug/kg	86 U	88 U	85 U	74 U
100-01-6	4-NITROANILINE	ug/kg	220 U	220 U	210 U	180 U
100-02-7	4-NITROPHENOL	ug/kg	430 U	440 U	420 U	370 U
83-32-9	ACENAPHTHENE	ug/kg	43 U	44 U	42 U	37 U
208-96-8	ACENAPHTHYLENE	ug/kg	43 U	44 U	42 U	37 U
98-86-2	ACETOPHENONE	ug/kg	220 U	220 U	210 U	180 U
120-12-7	ANTHRACENE	ug/kg	43 U	44 U	42 U	37 U
1912-24-9	ATRAZINE	ug/kg	86 U	88 U	85 U	74 U
100-52-7	BENZALDEHYDE	ug/kg	220 U	220 U	210 U	180 U
56-55-3	BENZO(A)ANTHRACENE	ug/kg	43 U	44 U	42 U	37 U
50-32-8	BENZO(A)PYRENE	ug/kg	43 U	44 U	42 U	37 U
205-99-2	BENZO(B)FLUORANTHENE	ug/kg	43 U	44 U	42 U	37 U
191-24-2	BENZO(G,H,I)PERYLENE	ug/kg	43 U	44 U	42 U	37 U
207-08-9	BENZO(K)FLUORANTHENE	ug/kg	43 U	44 U	42 U	37 U
85-68-7	BENZYL BUTYL PHTHALATE	ug/kg	62.4 J	61 J	60.4 J	47.1 J
92-52-4	BIPHENYL (DIPHENYL)	ug/kg	86 U	88 U	85 U	74 U
111-91-1	BIS(2-CHLOROETHOXY) METHANE	ug/kg	86 U	88 U	85 U	74 U
111-44-4	BIS(2-CHLOROETHYL) ETHER	ug/kg	86 U	88 U	85 U	74 U
108-60-1	BIS(2-CHLOROISOPROPYL) ETHER	ug/kg	86 U	88 U	85 U	74 U
117-81-7	BIS(2-ETHYLHEXYL) PHTHALATE	ug/kg	79.3 J	391	61.1 J	54.1 J
105-60-2	CAPROLACTAM	ug/kg	86 U	88 U	85 U	74 U
86-74-8	CARBAZOLE	ug/kg	86 U	88 U	85 U	74 U
218-01-9	CHRYSENE	ug/kg	43 U	44 U	42 U	37 U
MEPH1314	CRESOLS, M & P	ug/kg	86 U	88 U	85 U	74 U
53-70-3	DIBENZ(A,H)ANTHRACENE	ug/kg	43 UJ	44 UJ	42 UJ	37 UJ
132-64-9	DIBENZOFURAN	ug/kg	86 U	88 U	85 U	74 U
84-66-2	DIETHYL PHTHALATE	ug/kg	86 U	88 U	85 U	74 U
131-11-3	DIMETHYL PHTHALATE	ug/kg	86 U	88 U	85 U	74 U
84-74-2	DI-N-BUTYL PHTHALATE	ug/kg	86 U	88 U	85 U	74 U
117-84-0	DI-N-OCTYLPHTHALATE	ug/kg	86 UJ	102 J	85 UJ	74 UJ
206-44-0	FLUORANTHENE	ug/kg	43 U	44 U	42 U	37 U
86-73-7	FLUORENE	ug/kg	43 U	44 U	42 U	37 U
118-74-1	HEXACHLOROENZENE	ug/kg	86 U	88 U	85 U	74 U
87-68-3	HEXACHLOROBUTADIENE	ug/kg	43 U	44 U	42 U	37 U
77-47-4	HEXACHLOROCYCLOPENTADIENE	ug/kg	430 U	440 U	420 U	370 U
67-72-1	HEXACHLOROETHANE	ug/kg	220 U	220 U	210 U	180 U
193-39-5	INDENO(1,2,3-C,D)PYRENE	ug/kg	43 U	44 U	42 U	37 U
78-59-1	ISOPHORONE	ug/kg	86 U	88 U	85 U	74 U
91-20-3	NAPHTHALENE	ug/kg	43 U	44 U	42 U	37 U
98-95-3	NITROBENZENE	ug/kg	86 U	88 U	85 U	74 U
621-64-7	N-NITROSODI-N-PROPYLAMINE	ug/kg	86 U	88 U	85 U	74 U
86-30-6	N-NITROSODIPHENYLAMINE	ug/kg	220 U	220 U	210 U	180 U
87-86-5	PENTACHLOROPHENOL	ug/kg	170 U	180 U	170 U	150 U
85-01-8	PHENANTHRENE	ug/kg	43 U	44 U	42 U	37 U
108-95-2	PHENOL	ug/kg	86 U	88 U	85 U	74 U
129-00-0	PYRENE	ug/kg	43 U	44 U	42 U	37 U
95-94-3	1,2,4,5-TETRACHLOROENZENE	ug/kg	220 U	220 U	210 U	180 U

NYSDEC-Pine Ave Site 2018 Site Investigation Validated Soil Analytical Data SDG: JC69463		Location ID: Depth: Sample ID: Lab Sample Id: Source: SDG: Matrix: Sampled: Validated:	SB-11 0.5-1.5 ft PINE AVE-005-01 JC69463-1 ACCUTEST JC69463 SOIL 7/6/2018 9:30 8/12/2018	SB-11 1.5-2.0 ft PINE AVE-005-02 JC69463-2 ACCUTEST JC69463 SOIL 7/6/2018 9:35 8/12/2018	SB-11 2.0-2.5 ft PINE AVE-005-03 JC69463-3 ACCUTEST JC69463 SOIL 7/6/2018 9:40 8/12/2018	SB-11 3.0-4.0 ft PINE AVE-005-04 JC69463-4 ACCUTEST JC69463 SOIL 7/6/2018 9:45 8/12/2018
CAS NO.	COMPOUND	UNITS:				
PESTICIDES						
309-00-2	ALDRIN	ug/kg	0.87 U	0.82 U	0.86 U	0.74 U
319-84-6	ALPHA BHC	ug/kg	0.87 U	0.82 U	0.86 U	0.74 U
959-98-8	ALPHA ENDOSULFAN	ug/kg	0.87 U	0.82 U	0.86 U	0.74 U
5103-71-9	ALPHA-CHLORDANE	ug/kg	0.87 U	0.82 U	0.86 U	0.74 U
319-85-7	BETA BHC	ug/kg	0.87 U	0.82 U	0.86 U	0.74 U
33213-65-9	BETA ENDOSULFAN	ug/kg	0.87 U	0.82 U	0.86 U	0.74 U
5103-74-2	BETA-CHLORDANE	ug/kg	0.87 U	0.82 U	0.86 U	0.74 U
319-86-8	DELTA BHC	ug/kg	0.87 U	0.82 U	0.86 U	0.74 U
60-57-1	DIELDRIN	ug/kg	0.87 U	0.82 U	0.86 U	0.74 U
1031-07-8	ENDOSULFAN SULFATE	ug/kg	0.87 U	0.82 U	0.86 U	0.74 U
72-20-8	ENDRIN	ug/kg	0.87 U	0.82 U	0.86 U	0.74 U
7421-93-4	ENDRIN ALDEHYDE	ug/kg	0.87 U	4.4	0.86 U	0.74 U
53494-70-5	ENDRIN KETONE	ug/kg	0.87 U	0.82 U	0.86 U	0.74 U
58-89-9	GAMMA BHC (LINDANE)	ug/kg	0.87 U	0.82 U	0.86 U	0.74 U
76-44-8	HEPTACHLOR	ug/kg	0.87 U	0.82 U	0.86 U	0.74 U
1024-57-3	HEPTACHLOR EPOXIDE	ug/kg	0.87 U	0.82 U	0.86 U	0.74 U
72-43-5	METHOXYCHLOR	ug/kg	1.7 U	1.6 U	1.7 U	1.5 U
72-54-8	P,P'-DDD	ug/kg	0.87 U	5.4	0.86 U	0.74 U
72-55-9	P,P'-DDE	ug/kg	0.87 U	0.82 U	0.86 U	0.74 U
50-29-3	P,P'-DDT	ug/kg	0.87 U	0.82 U	0.86 U	0.74 U
8001-35-2	TOXAPHENE	ug/kg	22 U	21 U	21 U	18 U
PCBs						
12674-11-2	PCB-1016 (AROCLOR 1016)	ug/kg	44 U	41 U	43 U	37 U
11104-28-2	PCB-1221 (AROCLOR 1221)	ug/kg	44 U	41 U	43 U	37 U
11141-16-5	PCB-1232 (AROCLOR 1232)	ug/kg	44 U	41 U	43 U	37 U
53469-21-9	PCB-1242 (AROCLOR 1242)	ug/kg	44 U	41 U	43 U	37 U
12672-29-6	PCB-1248 (AROCLOR 1248)	ug/kg	44 U	41 U	43 U	37 U
11097-69-1	PCB-1254 (AROCLOR 1254)	ug/kg	44 U	41 U	43 U	37 U
11096-82-5	PCB-1260 (AROCLOR 1260)	ug/kg	44 U	41 U	43 U	37 U
37324-23-5	PCB-1262 (AROCLOR 1262)	ug/kg	44 U	41 U	43 U	37 U
11100-14-4	PCB-1268 (AROCLOR 1268)	ug/kg	44 U	41 U	43 U	37 U
HERBICIDES						
94-75-7	2,4-D	ug/kg	21 U	20 U	20 U	19 U
93-72-1	SILVEX (2,4,5-TP)	ug/kg	4.3 U	4.1 U	3.9 U	3.7 U
75-99-0	DALAPON	ug/kg	4.3 U	4.1 U	3.9 U	3.7 U
1918-00-9	DICAMBA	ug/kg	4.3 U	4.1 U	3.9 U	3.7 U
120-36-5	DICHLOROPROP	ug/kg	21 U	20 U	20 U	19 U
88-85-7	DINOSEB	ug/kg	21 U	20 U	20 U	19 U
94-74-6	MCPA	ug/kg	2100 U	2000 U	2000 U	1900 U
93-65-2	MCPP	ug/kg	2100 U	2000 U	2000 U	1900 U
93-76-5	2,4,5-T	ug/kg	4.3 U	4.1 U	3.9 U	3.7 U
94-82-6	2,4 DB	ug/kg	21 U	20 U	20 U	19 U
INORGANICS						
7429-90-5	ALUMINUM	mg/kg	19900	14900	12200	11800
7440-36-0	ANTIMONY	mg/kg	2.5 U	2.7 U	2.5 U	2.2 U
7440-38-2	ARSENIC	mg/kg	6.9 J	12	3.7 J	2.3 J
7440-39-3	BARIUM	mg/kg	84.8	57.9	94.1	78.1
7440-41-7	BERYLLIUM	mg/kg	0.97	0.71	0.56	0.54
7440-43-9	CADMIUM	mg/kg	0.63 U	0.68 U	0.62 U	0.22 J
7440-70-2	CALCIUM	mg/kg	28300	52700	39100	61900
7440-47-3	CHROMIUM, TOTAL	mg/kg	32.8	20.7	17	15.4
7440-48-4	COBALT	mg/kg	11.6	12	9.7	7.7
7440-50-8	COPPER	mg/kg	16.1	16	11.2	14.7
7439-89-6	IRON	mg/kg	32800	28700	20700	19000
7439-92-1	LEAD	mg/kg	9.1	6.7 J	5.3 J	143
7439-95-4	MAGNESIUM	mg/kg	11900	12700	10300	23300
7439-96-5	MANGANESE	mg/kg	446	761	604	534
7439-97-6	MERCURY	mg/kg	0.032 J	0.043 U	0.039 U	0.035 U
7440-02-0	NICKEL	mg/kg	24.9	24.7	22.2	16.9
9/7/7440	POTASSIUM	mg/kg	3820	3660	2860	3200
7782-49-2	SELENIUM	mg/kg	7.6 U	8.2 U	7.4 U	6.6 U
7440-22-4	SILVER	mg/kg	1.9 U	2 U	1.9 U	1.6 U
7440-23-5	SODIUM	mg/kg	292 J	218 J	177 J	191 J
7440-28-0	THALLIUM	mg/kg	3.8 U	4.1 U	3.7 U	3.3 U
7440-62-2	VANADIUM	mg/kg	34.3	28.4	23.3	22.2
7440-66-6	ZINC	mg/kg	55.4	49.8	49.4	104
57-12-5	CYANIDE	mg/kg	0.21 U	0.18 U	0.23 U	0.15 U
OTHER						
SOLID	SOLIDS, PERCENT	%	76.2	74.1	76.9	87.6

NYSDEC-Pine Ave Site Validated Soil Analytical Data SDG: JC90608		Location ID: Depth: Sample ID: Lab Sample Id: Source: SDG: Matrix: Sampled: Validated:	PINEAVE-008-PVE-01 2 - 3 ft PINEAVE-008-PVE-01 JC90608-2 ACCUTEST JC90608 SOIL 6/24/2019 17:00 8/6/2019	PINEAVE-008-PVE-02 2 - 3 ft PINEAVE-008-PVE-02 JC90608-4 ACCUTEST JC90608 SOIL 6/24/2019 17:40 8/6/2019	Duplicate of PINEAVE-008-PVE-02 PINEAVE-008-PVE-02 2 - 3 ft PINEAVE-008-PVE-02D JC90608-5 ACCUTEST JC90608 6/24/2019 17:40 8/6/2019	PINEAVE-008-SVE-01 0 - 1 ft PINEAVE-008-SVE-01 JC90608-1 ACCUTEST JC90608 SOIL 6/24/2019 16:45 8/6/2019
CAS NO.	COMPOUND	UNITS:				
	VOLATILES					
71-55-6	1,1,1-TRICHLOROETHANE	ug/kg	2.5 U	280 U	3.4 U	2.8 U
79-34-5	1,1,2,2-TETRACHLOROETHANE	ug/kg	2.5 U	280 U	3.4 U	2.8 U
76-13-1	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/kg	6.2 U	710 U	8.4 U	6.9 U
79-00-5	1,1,2-TRICHLOROETHANE	ug/kg	2.5 U	280 U	3.4 U	2.8 U
75-34-3	1,1-DICHLOROETHANE	ug/kg	1.2 U	140 U	1.7 U	1.4 U
75-35-4	1,1-DICHLOROETHENE	ug/kg	1.2 U	140 UJ	2.4 J	1.4 U
87-61-6	1,2,3-TRICHLOROBENZENE	ug/kg	6.2 U	710 U	8.4 U	6.9 U
120-82-1	1,2,4-TRICHLOROBENZENE	ug/kg	6.2 U	710 U	8.4 U	6.9 U
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	ug/kg	2.5 U	280 U	3.4 U	2.8 U
106-93-4	1,2-DIBROMOETHANE	ug/kg	1.2 U	140 U	1.7 U	1.4 U
95-50-1	1,2-DICHLOROBENZENE	ug/kg	1.2 U	140 U	1.7 U	1.4 U
107-06-2	1,2-DICHLOROETHANE	ug/kg	1.2 U	140 U	1.7 U	1.4 U
78-87-5	1,2-DICHLOROPROPANE	ug/kg	2.5 U	280 UJ	5.7 J	2.8 U
541-73-1	1,3-DICHLOROBENZENE	ug/kg	1.2 U	140 U	1.7 U	1.4 U
106-46-7	1,4-DICHLOROBENZENE	ug/kg	1.2 U	140 U	1.7 U	1.4 U
591-78-6	2-HEXANONE	ug/kg	6.2 U	710 U	8.4 U	6.9 U
67-64-1	ACETONE	ug/kg	9.2 J	1400 UJ	37.6 J	16.8
71-43-2	BENZENE	ug/kg	0.62 U	71 U	0.84 U	0.69 U
74-97-5	BROMOCHLOROMETHANE	ug/kg	6.2 U	710 U	8.4 U	6.9 U
75-27-4	BROMODICHLOROMETHANE	ug/kg	2.5 U	280 U	3.4 U	2.8 U
75-25-2	BROMOFORM	ug/kg	6.2 U	710 U	8.4 U	6.9 U
74-83-9	BROMOMETHANE	ug/kg	6.2 U	710 U	8.4 U	6.9 U
75-15-0	CARBON DISULFIDE	ug/kg	2.5 U	280 U	1.6 J	2.8 U
56-23-5	CARBON TETRACHLORIDE	ug/kg	2.5 U	280 U	3.4 U	2.8 U
108-90-7	CHLOROBENZENE	ug/kg	2.5 U	280 U	3.4 U	2.8 U
75-00-3	CHLOROETHANE	ug/kg	6.2 U	710 U	8.4 U	6.9 U
67-66-3	CHLOROFORM	ug/kg	2.5 U	280 U	3.4 U	2.8 U
74-87-3	CHLOROMETHANE	ug/kg	6.2 U	710 U	8.4 U	6.9 U
156-59-2	CIS-1,2-DICHLOROETHYLENE	ug/kg	1.2 U	5700	5070	35.8
10061-01-5	CIS-1,3-DICHLOROPROPENE	ug/kg	2.5 U	280 U	3.4 U	2.8 U
110-82-7	CYCLOHEXANE	ug/kg	2.5 U	280 U	3.4 U	2.8 U
124-48-1	DIBROMOCHLOROMETHANE	ug/kg	2.5 U	280 U	3.4 U	2.8 U
75-71-8	DICHLORODIFLUOROMETHANE	ug/kg	6.2 U	710 U	8.4 U	6.9 U
100-41-4	ETHYLBENZENE	ug/kg	1.2 U	140 U	1.7 U	1.4 U
98-82-8	ISOPROPYLBENZENE (CUMENE)	ug/kg	2.5 U	280 U	3.4 U	2.8 U
79-20-9	METHYL ACETATE	ug/kg	6.2 U	710 U	8.4 U	6.9 U
78-93-3	METHYL ETHYL KETONE (2-BUTANONE)	ug/kg	12 U	1400 U	17 U	14 U
108-10-1	METHYL ISOBUTYL KETONE	ug/kg	6.2 U	710 U	8.4 U	6.9 U
108-87-2	METHYLCYCLOHEXANE	ug/kg	2.5 U	280 U	3.4 U	2.8 U
75-09-2	METHYLENE CHLORIDE	ug/kg	6.2 U	710 U	8.4 U	6.9 U
XYLMP	M,P-XYLENES	ug/kg	1.2 U	140 U	1.7 U	1.4 U
95-47-6	O-XYLENE	ug/kg	1.2 U	140 U	1.7 U	1.4 U
100-42-5	STYRENE	ug/kg	2.5 U	280 U	3.4 U	2.8 U
1634-04-4	TERT-BUTYL METHYL ETHER	ug/kg	1.2 U	140 U	1.7 U	1.4 U
127-18-4	TETRACHLOROETHYLENE(PCE)	ug/kg	2.5 U	41500	53100	1.8 J
108-88-3	TOLUENE	ug/kg	1.2 U	140 U	1.7 U	1.4 U
156-60-5	TRANS-1,2-DICHLOROETHENE	ug/kg	1.2 U	303 J	54.7 J	3.2
10061-02-6	TRANS-1,3-DICHLOROPROPENE	ug/kg	2.5 U	280 U	3.4 U	2.8 U
79-01-6	TRICHLOROETHYLENE (TCE)	ug/kg	1.2 U	9820	9210	1.4 U
75-69-4	TRICHLOROFLUOROMETHANE	ug/kg	6.2 U	710 U	8.4 U	6.9 U
75-01-4	VINYL CHLORIDE	ug/kg	2.9	306 J	161 J	2.8 U
XYLENES	XYLENES, TOTAL	ug/kg	1.2 U	140 U	1.7 U	1.4 U

					Duplicate of PINEAVE-008-PVE-02	
NYSDEC-Pine Ave Site Validated Soil Analytical Data SDG: JC90608		Location ID:	PINEAVE-008-PVE-01	PINEAVE-008-PVE-02	PINEAVE-008-PVE-02	PINEAVE-008-SVE-01
		Depth:	2 - 3 ft	2 - 3 ft	2 - 3 ft	0 - 1 ft
		Sample ID:	PINEAVE-008-PVE-01	PINEAVE-008-PVE-02	PINEAVE-008-PVE-02D	PINEAVE-008-SVE-01
		Lab Sample Id:	JC90608-2	JC90608-4	JC90608-5	JC90608-1
		Source:	ACCUTEST	ACCUTEST	ACCUTEST	ACCUTEST
		SDG:	JC90608	JC90608	JC90608	JC90608
		Matrix:	SOIL	SOIL	SOIL	SOIL
		Sampled:	6/24/2019 17:00	6/24/2019 17:40	6/24/2019 17:40	6/24/2019 16:45
		Validated:	8/6/2019	8/6/2019	8/6/2019	8/6/2019
CAS NO.	COMPOUND	UNITS:				
	SEMIVOLATILES					
123-91-1	1,4-DIOXANE (P-DIOXANE)	ug/kg	46 U	42 U	44 U	44 U
58-90-2	2,3,4,6-TETRACHLOROPHENOL	ug/kg	230 U	210 U	220 U	220 U
95-95-4	2,4,5-TRICHLOROPHENOL	ug/kg	230 U	210 U	220 U	220 U
88-06-2	2,4,6-TRICHLOROPHENOL	ug/kg	230 U	210 U	220 U	220 U
120-83-2	2,4-DICHLOROPHENOL	ug/kg	230 U	210 U	220 U	220 U
105-67-9	2,4-DIMETHYLPHENOL	ug/kg	230 U	210 U	220 U	220 U
51-28-5	2,4-DINITROPHENOL	ug/kg	230 U	210 U	220 U	220 U
121-14-2	2,4-DINITROTOLUENE	ug/kg	46 U	42 U	44 U	44 U
606-20-2	2,6-DINITROTOLUENE	ug/kg	46 U	42 U	44 U	44 U
91-58-7	2-CHLORONAPHTHALENE	ug/kg	93 U	85 U	89 U	88 U
95-57-8	2-CHLOROPHENOL	ug/kg	93 U	85 U	89 U	88 U
91-57-6	2-METHYLNAPHTHALENE	ug/kg	46 U	42 U	44 U	44 U
95-48-7	2-METHYLPHENOL (O-CRESOL)	ug/kg	93 U	85 U	89 U	88 U
88-74-4	2-NITROANILINE	ug/kg	230 U	210 U	220 U	220 U
88-75-5	2-NITROPHENOL	ug/kg	230 U	210 U	220 U	220 U
91-94-1	3,3'-DICHLOROBENZIDINE	ug/kg	93 U	85 U	89 U	88 U
99-09-2	3-NITROANILINE	ug/kg	230 U	210 U	220 U	220 U
534-52-1	4,6-DINITRO-2-METHYLPHENOL	ug/kg	230 U	210 U	220 U	220 U
101-55-3	4-BROMOPHENYL PHENYL ETHER	ug/kg	93 U	85 U	89 U	88 U
59-50-7	4-CHLORO-3-METHYLPHENOL	ug/kg	230 U	210 U	220 U	220 U
106-47-8	4-CHLOROANILINE	ug/kg	230 U	210 U	220 U	220 U
7005-72-3	4-CHLOROPHENYL PHENYL ETHER	ug/kg	93 U	85 U	89 U	88 U
100-01-6	4-NITROANILINE	ug/kg	230 U	210 U	220 U	220 U
100-02-7	4-NITROPHENOL	ug/kg	460 U	420 U	440 U	440 U
83-32-9	ACENAPHTHENE	ug/kg	46 U	42 U	44 U	44 U
208-96-8	ACENAPHTHYLENE	ug/kg	46 U	42 U	44 U	44 U
98-86-2	ACETOPHENONE	ug/kg	230 U	210 U	220 U	220 U
120-12-7	ANTHRACENE	ug/kg	46 U	42 U	44 U	44 U
1912-24-9	ATRAZINE	ug/kg	93 U	85 U	89 U	88 U
100-52-7	BENZALDEHYDE	ug/kg	230 U	210 U	220 U	220 U
56-55-3	BENZO(A)ANTHRACENE	ug/kg	46 U	42 U	44 U	44 U
50-32-8	BENZO(A)PYRENE	ug/kg	46 U	42 U	44 U	44 U
205-99-2	BENZO(B)FLUORANTHENE	ug/kg	46 U	42 U	44 U	44 U
191-24-2	BENZO(G,H,I)PERYLENE	ug/kg	46 U	42 U	44 U	44 U
207-08-9	BENZO(K)FLUORANTHENE	ug/kg	46 U	42 U	44 U	44 U
85-68-7	BENZYL BUTYL PHTHALATE	ug/kg	93 U	85 U	89 U	88 U
92-52-4	BIPHENYL (DIPHENYL)	ug/kg	93 U	85 U	89 U	88 U
111-91-1	BIS(2-CHLOROETHOXY) METHANE	ug/kg	93 U	85 U	89 U	88 U
111-44-4	BIS(2-CHLOROETHYL) ETHER	ug/kg	93 U	85 U	89 U	88 U
108-60-1	BIS(2-CHLOROISOPROPYL) ETHER	ug/kg	93 U	85 U	89 U	88 U
117-81-7	BIS(2-ETHYLHEXYL) PHTHALATE	ug/kg	93 U	85 U	89 U	88 U
105-60-2	CAPROLACTAM	ug/kg	93 U	85 U	89 U	88 U
86-74-8	CARBAZOLE	ug/kg	93 U	85 U	89 U	88 U
218-01-9	CHRYSENE	ug/kg	46 U	42 U	44 U	44 U
MEPH1314	CRESOLS, M & P	ug/kg	93 U	85 U	89 U	88 U
53-70-3	DIBENZ(A,H)ANTHRACENE	ug/kg	46 U	42 U	44 U	44 U
132-64-9	DIBENZOFURAN	ug/kg	93 U	85 U	89 U	88 U
84-66-2	DIETHYL PHTHALATE	ug/kg	93 U	85 U	89 U	88 U
131-11-3	DIMETHYL PHTHALATE	ug/kg	93 U	85 U	89 U	88 U
84-74-2	DI-N-BUTYL PHTHALATE	ug/kg	93 U	85 U	89 U	88 U
117-84-0	DI-N-OCTYLPHTHALATE	ug/kg	93 U	85 U	89 U	88 U
206-44-0	FLUORANTHENE	ug/kg	46 U	42 U	44 U	44 U
86-73-7	FLUORENE	ug/kg	46 U	42 U	44 U	44 U
118-74-1	HEXACHLOROBENZENE	ug/kg	93 U	85 U	89 U	88 U
77-47-4	HEXACHLOROCYCLOPENTADIENE	ug/kg	460 U	420 U	440 U	440 U
87-68-3	HEXACHLOROBUTADIENE	ug/kg	46 U	42 U	44 U	44 U
67-72-1	HEXACHLOROETHANE	ug/kg	230 U	210 U	220 U	220 U
193-39-5	INDENO(1,2,3-C,D)PYRENE	ug/kg	46 U	42 U	44 U	44 U
78-59-1	ISOPHORONE	ug/kg	93 U	85 U	89 U	88 U
91-20-3	NAPHTHALENE	ug/kg	46 U	42 U	44 U	44 U
98-95-3	NITROBENZENE	ug/kg	93 U	85 U	89 U	88 U
621-64-7	N-NITROSODI-N-PROPYLAMINE	ug/kg	93 U	85 U	89 U	88 U
86-30-6	N-NITROSODIPHENYLAMINE	ug/kg	230 U	210 U	220 U	220 U
87-86-5	PENTACHLOROPHENOL	ug/kg	190 U	170 U	180 U	180 U
85-01-8	PHENANTHRENE	ug/kg	46 U	42 U	44 U	44 U
108-95-2	PHENOL	ug/kg	93 U	85 U	89 U	88 U
129-00-0	PYRENE	ug/kg	46 U	42 U	44 U	44 U
95-94-3	1,2,4,5-TETRACHLOROBENZENE	ug/kg	230 U	210 U	220 U	220 U

				Duplicate of PINEAVE-008-PVE-02			
NYSDEC-Pine Ave Site Validated Soil Analytical Data SDG: JC90608		Location ID: Depth: Sample ID: Lab Sample Id: Source: SDG: Matrix: Sampled: Validated:	PINEAVE-008-PVE-01 2 - 3 ft PINEAVE-008-PVE-01 JC90608-2 ACCUTEST JC90608 SOIL 6/24/2019 17:00 8/6/2019	PINEAVE-008-PVE-02 2 - 3 ft PINEAVE-008-PVE-02 JC90608-4 ACCUTEST JC90608 SOIL 6/24/2019 17:40 8/6/2019	PINEAVE-008-PVE-02 2 - 3 ft PINEAVE-008-PVE-02D JC90608-5 ACCUTEST JC90608 6/24/2019 17:40 8/6/2019	PINEAVE-008-SVE-01 0 - 1 ft PINEAVE-008-SVE-01 JC90608-1 ACCUTEST JC90608 SOIL 6/24/2019 16:45 8/6/2019	
CAS NO.	COMPOUND	UNITS:					
	PESTICIDES						
309-00-2	ALDRIN	ug/kg	0.88 U	0.89 U	0.88 U	0.89 U	
319-84-6	ALPHA BHC	ug/kg	0.88 U	0.89 U	0.88 U	0.89 U	
959-98-8	ALPHA ENDOSULFAN	ug/kg	0.88 U	0.89 U	0.88 U	0.89 U	
319-85-7	BETA BHC	ug/kg	0.88 U	0.89 U	0.88 U	0.89 U	
33213-65-9	BETA ENDOSULFAN	ug/kg	0.88 U	0.89 U	0.88 U	0.89 U	
57-74-9	CHLORDANE	ug/kg	44 U	45 U	44 U	44 U	
319-86-8	DELTA BHC	ug/kg	0.88 U	0.89 U	0.88 U	0.89 U	
60-57-1	DIELDRIN	ug/kg	0.88 U	0.89 U	0.88 U	0.89 U	
1031-07-8	ENDOSULFAN SULFATE	ug/kg	0.88 U	0.89 U	0.88 U	0.89 U	
72-20-8	ENDRIN	ug/kg	0.88 U	0.89 U	0.88 U	0.89 U	
7421-93-4	ENDRIN ALDEHYDE	ug/kg	0.88 U	0.89 U	0.88 U	0.89 U	
58-89-9	GAMMA BHC (LINDANE)	ug/kg	0.88 U	0.89 U	0.88 U	0.89 U	
76-44-8	HEPTACHLOR	ug/kg	0.88 U	0.89 U	0.88 U	0.89 U	
1024-57-3	HEPTACHLOR EPOXIDE	ug/kg	0.88 U	0.89 U	0.88 U	0.89 U	
72-43-5	METHOXYCHLOR	ug/kg	1.8 U	1.8 U	1.8 U	1.8 U	
72-54-8	P,P'-DDD	ug/kg	0.88 U	0.89 U	0.88 U	0.89 U	
72-55-9	P,P'-DDE	ug/kg	0.88 U	0.89 U	0.88 U	0.89 U	
50-29-3	P,P'-DDT	ug/kg	0.88 U	0.89 U	0.88 U	0.89 U	
8001-35-2	TOXAPHENE	ug/kg	22 U	22 U	22 U	22 U	
	PCBs						
12674-11-2	PCB-1016 (AROCOR 1016)	ug/kg	44 U	45 U	44 U	44 U	
11104-28-2	PCB-1221 (AROCOR 1221)	ug/kg	44 U	45 U	44 U	44 U	
11141-16-5	PCB-1232 (AROCOR 1232)	ug/kg	44 U	45 U	44 U	44 U	
53469-21-9	PCB-1242 (AROCOR 1242)	ug/kg	44 U	45 U	44 U	44 U	
12672-29-6	PCB-1248 (AROCOR 1248)	ug/kg	44 U	45 U	44 U	44 U	
11097-69-1	PCB-1254 (AROCOR 1254)	ug/kg	44 U	45 U	44 U	44 U	
11096-82-5	PCB-1260 (AROCOR 1260)	ug/kg	44 U	45 U	44 U	44 U	
37324-23-5	PCB-1262 (AROCOR 1262)	ug/kg	44 U	45 U	44 U	44 U	
11100-14-4	PCB-1268 (AROCOR 1268)	ug/kg	44 U	45 U	44 U	44 U	
	HERBICIDES						
94-75-7	2,4-D	ug/kg	23 U	22 U	21 U	21 U	
93-72-1	SILVEX (2,4,5-TP)	ug/kg	4.5 U	4.3 U	4.3 U	4.3 U	
75-99-0	DALAPON	ug/kg	4.5 U	4.3 U	4.3 U	4.3 U	
1918-00-9	DICAMBA	ug/kg	4.5 U	4.3 U	4.3 U	4.3 U	
120-36-5	DICHLOROPROP	ug/kg	23 U	22 U	21 U	21 U	
88-85-7	DINOSIB	ug/kg	23 U	22 U	21 U	21 U	
94-74-6	MCPA	ug/kg	2300 U	2200 U	2100 U	2100 U	
93-65-2	MCPP	ug/kg	2300 U	2200 U	2100 U	2100 U	
93-76-5	2,4,5-T	ug/kg	4.5 U	4.3 U	4.3 U	4.3 U	
94-82-6	2,4 DB	ug/kg	23 U	22 U	21 U	21 U	
	INORGANICS						
7429-90-5	ALUMINUM	mg/kg	18300	17200	20300	18500	
7440-36-0	ANTIMONY	mg/kg	8.1 U	2.7 U	5.1 U	2.8 U	
7440-38-2	ARSENIC	mg/kg	3.7 J	3.3	3.1 J	4.3	
7440-39-3	BARIUM	mg/kg	101	89.5	114	86.9	
7440-41-7	BERYLLIUM	mg/kg	0.77	0.76	0.87	0.84	
7440-43-9	CADMIUM	mg/kg	0.68 U	0.093 J	0.64 U	0.71 U	
7440-70-2	CALCIUM	mg/kg	51300	53800	45200	59600	
7440-47-3	CHROMIUM, TOTAL	mg/kg	25.2	24	31.5	27.7	
7440-48-4	COBALT	mg/kg	12.8	12.1	13.5	12.2	
7440-50-8	COPPER	mg/kg	20.3	17	19.3	22.1	
7439-89-6	IRON	mg/kg	30300	26600	33300	27300	
7439-92-1	LEAD	mg/kg	10.7	7.3	8.4	8.2	
7439-95-4	MAGNESIUM	mg/kg	14500	13100	12800	16200	
7439-96-5	MANGANESE	mg/kg	599	629	641	526	
7439-97-6	MERCURY	mg/kg	0.041 U	0.039 U	0.044 U	0.043 U	
7440-02-0	NICKEL	mg/kg	30.5	28.6	31.8	28.9	
9/7/7440	POTASSIUM	mg/kg	4400	4130	4810	4060	
7782-49-2	SELENIUM	mg/kg	8.1 U	2.7 U	5.1 U	2.8 U	
7440-22-4	SILVER	mg/kg	2 U	0.67 U	0.59 J	0.71 U	
7440-23-5	SODIUM	mg/kg	264 J	235 J	261 J	292 J	
7440-28-0	THALLIUM	mg/kg	4.1 U	1.3 U	2.6 U	1.4 U	
7440-62-2	VANADIUM	mg/kg	34.7	32.9	36.6	34.4	
7440-66-6	ZINC	mg/kg	61	54.7	58.8	56.9	
57-12-5	CYANIDE	mg/kg	0.4 U	0.3 U	0.38 U	0.39 U	
	OTHER						
MOIST_CONTENT	Water Content	%	24.5	30.2	24.1	21.1	
SOLID	SOLIDS, PERCENT	%	71	74.4	74.3	73.5	

NYSDEC-Pine Ave Site Validated Soil Analytical Data SDG: JC90608		Location ID: Depth: Sample ID: Lab Sample Id: Source: SDG: Matrix: Sampled: Validated:	PINEAVE-008-SVE-02 2 - 3 ft PINEAVE-008-SVE-02 JC90608-3 ACCUTEST JC90608 SOIL 6/24/2019 17:15 8/6/2019	PINEAVE-008-SVE-03 0 - 1 ft PINEAVE-008-SVE-03 JC90608-6 ACCUTEST JC90608 SOIL 6/25/2019 9:50 8/6/2019
CAS NO.	COMPOUND	UNITS:		
	VOLATILES			
71-55-6	1,1,1-TRICHLOROETHANE	ug/kg	2.5 U	2.6 U
79-34-5	1,1,2,2-TETRACHLOROETHANE	ug/kg	2.5 U	2.6 U
76-13-1	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/kg	6.4 U	6.6 U
79-00-5	1,1,2-TRICHLOROETHANE	ug/kg	2.5 U	2.6 U
75-34-3	1,1-DICHLOROETHANE	ug/kg	1.3 U	1.3 U
75-35-4	1,1-DICHLOROETHENE	ug/kg	2.5	18.4
87-61-6	1,2,3-TRICHLOROBENZENE	ug/kg	6.4 U	6.6 U
120-82-1	1,2,4-TRICHLOROBENZENE	ug/kg	6.4 U	6.6 U
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	ug/kg	2.5 U	2.6 U
106-93-4	1,2-DIBROMOETHANE	ug/kg	1.3 U	1.3 U
95-50-1	1,2-DICHLOROBENZENE	ug/kg	1.3 U	17.1
107-06-2	1,2-DICHLOROETHANE	ug/kg	1.3 U	1.3 U
78-87-5	1,2-DICHLOROPROPANE	ug/kg	2.5 U	2.6 U
541-73-1	1,3-DICHLOROBENZENE	ug/kg	1.3 U	1.3 U
106-46-7	1,4-DICHLOROBENZENE	ug/kg	1.3 U	3.8
591-78-6	2-HEXANONE	ug/kg	6.4 U	6.6 U
67-64-1	ACETONE	ug/kg	52	19.4
71-43-2	BENZENE	ug/kg	0.64 U	0.78
74-97-5	BROMOCHLOROMETHANE	ug/kg	6.4 U	6.6 U
75-27-4	BROMODICHLOROMETHANE	ug/kg	2.5 U	2.6 U
75-25-2	BROMOFORM	ug/kg	6.4 U	6.6 U
74-83-9	BROMOMETHANE	ug/kg	6.4 U	6.6 U
75-15-0	CARBON DISULFIDE	ug/kg	2.5 U	8.7
56-23-5	CARBON TETRACHLORIDE	ug/kg	2.5 U	2.6 U
108-90-7	CHLOROBENZENE	ug/kg	2.5 U	2.3 J
75-00-3	CHLOROETHANE	ug/kg	6.4 U	6.6 U
67-66-3	CHLOROFORM	ug/kg	2.5 U	2.6 U
74-87-3	CHLOROMETHANE	ug/kg	6.4 U	6.6 U
156-59-2	CIS-1,2-DICHLOROETHYLENE	ug/kg	1280	3720
10061-01-5	CIS-1,3-DICHLOROPROPENE	ug/kg	2.5 U	2.6 U
110-82-7	CYCLOHEXANE	ug/kg	2.5 U	2.6 U
124-48-1	DIBROMOCHLOROMETHANE	ug/kg	2.5 U	2.6 U
75-71-8	DICHLORODIFLUOROMETHANE	ug/kg	6.4 U	6.6 U
100-41-4	ETHYLBENZENE	ug/kg	1.3 U	1.8
98-82-8	ISOPROPYLBENZENE (CUMENE)	ug/kg	2.5 U	8.9
79-20-9	METHYL ACETATE	ug/kg	6.4 U	6.6 U
78-93-3	METHYL ETHYL KETONE (2-BUTANONE)	ug/kg	13 U	13 U
108-10-1	METHYL ISOBUTYL KETONE	ug/kg	6.4 U	6.6 U
108-87-2	METHYLCYCLOHEXANE	ug/kg	2.5 U	3.1
75-09-2	METHYLENE CHLORIDE	ug/kg	6.4 U	6.6 U
XYLMP	M,P-XYLENES	ug/kg	1.3 U	4.7
95-47-6	O-XYLENE	ug/kg	1.3 U	5.6
100-42-5	STYRENE	ug/kg	2.5 U	2.6 U
1634-04-4	TERT-BUTYL METHYL ETHER	ug/kg	1.3 U	1.3 U
127-18-4	TETRACHLOROETHYLENE(PCE)	ug/kg	2.5 U	1080000
108-88-3	TOLUENE	ug/kg	1.3 U	4
156-60-5	TRANS-1,2-DICHLOROETHENE	ug/kg	1 J	37.3
10061-02-6	TRANS-1,3-DICHLOROPROPENE	ug/kg	2.5 U	2.6 U
79-01-6	TRICHLOROETHYLENE (TCE)	ug/kg	1.3 U	26000
75-69-4	TRICHLOROFLUOROMETHANE	ug/kg	6.4 U	6.6 U
75-01-4	VINYL CHLORIDE	ug/kg	3.4	6.9
XYLENES	XYLENES, TOTAL	ug/kg	1.3 U	10.3

NYSDEC-Pine Ave Site Validated Soil Analytical Data SDG: JC90608		Location ID: Depth: Sample ID: Lab Sample Id: Source: SDG: Matrix: Sampled: Validated:	PINEAVE-008-SVE-02 2 - 3 ft PINEAVE-008-SVE-02 JC90608-3 ACCUTEST JC90608 SOIL 6/24/2019 17:15 8/6/2019	PINEAVE-008-SVE-03 0 - 1 ft PINEAVE-008-SVE-03 JC90608-6 ACCUTEST JC90608 SOIL 6/25/2019 9:50 8/6/2019
CAS NO.	COMPOUND	UNITS:		
	SEMIVOLATILES			
123-91-1	1,4-DIOXANE (P-DIOXANE)	ug/kg	42 U	44 U
58-90-2	2,3,4,6-TETRACHLOROPHENOL	ug/kg	210 U	220 U
95-95-4	2,4,5-TRICHLOROPHENOL	ug/kg	210 U	220 U
88-06-2	2,4,6-TRICHLOROPHENOL	ug/kg	210 U	220 U
120-83-2	2,4-DICHLOROPHENOL	ug/kg	210 U	220 U
105-67-9	2,4-DIMETHYLPHENOL	ug/kg	210 U	220 U
51-28-5	2,4-DINITROPHENOL	ug/kg	210 U	220 U
121-14-2	2,4-DINITROTOLUENE	ug/kg	42 U	44 U
606-20-2	2,6-DINITROTOLUENE	ug/kg	42 U	44 U
91-58-7	2-CHLORONAPHTHALENE	ug/kg	83 U	88 U
95-57-8	2-CHLOROPHENOL	ug/kg	83 U	88 U
91-57-6	2-METHYLNAPHTHALENE	ug/kg	42 U	44 U
95-48-7	2-METHYLPHENOL (O-CRESOL)	ug/kg	83 U	88 U
88-74-4	2-NITROANILINE	ug/kg	210 U	220 U
88-75-5	2-NITROPHENOL	ug/kg	210 U	220 U
91-94-1	3,3'-DICHLOROBENZIDINE	ug/kg	83 U	88 U
99-09-2	3-NITROANILINE	ug/kg	210 U	220 U
534-52-1	4,6-DINITRO-2-METHYLPHENOL	ug/kg	210 U	220 U
101-55-3	4-BROMOPHENYL PHENYL ETHER	ug/kg	83 U	88 U
59-50-7	4-CHLORO-3-METHYLPHENOL	ug/kg	210 U	220 U
106-47-8	4-CHLOROANILINE	ug/kg	210 U	220 U
7005-72-3	4-CHLOROPHENYL PHENYL ETHER	ug/kg	83 U	88 U
100-01-6	4-NITROANILINE	ug/kg	210 U	220 U
100-02-7	4-NITROPHENOL	ug/kg	420 U	440 U
83-32-9	ACENAPHTHENE	ug/kg	42 U	44 U
208-96-8	ACENAPHTHYLENE	ug/kg	42 U	44 U
98-86-2	ACETOPHENONE	ug/kg	210 U	220 U
120-12-7	ANTHRACENE	ug/kg	42 U	44 U
1912-24-9	ATRAZINE	ug/kg	83 U	88 U
100-52-7	BENZALDEHYDE	ug/kg	210 U	220 U
56-55-3	BENZO(A)ANTHRACENE	ug/kg	42 U	44 U
50-32-8	BENZO(A)PYRENE	ug/kg	42 U	44 U
205-99-2	BENZO(B)FLUORANTHENE	ug/kg	42 U	44 U
191-24-2	BENZO(G,H,I)PERYLENE	ug/kg	42 U	44 U
207-08-9	BENZO(K)FLUORANTHENE	ug/kg	42 U	44 U
85-68-7	BENZYL BUTYL PHTHALATE	ug/kg	83 U	88 U
92-52-4	BIPHENYL (DIPHENYL)	ug/kg	83 U	88 U
111-91-1	BIS(2-CHLOROETHOXY) METHANE	ug/kg	83 U	88 U
111-44-4	BIS(2-CHLOROETHYL) ETHER	ug/kg	83 U	88 U
108-60-1	BIS(2-CHLOROISOPROPYL) ETHER	ug/kg	83 U	88 U
117-81-7	BIS(2-ETHYLHEXYL) PHTHALATE	ug/kg	83 U	88 U
105-60-2	CAPROLACTAM	ug/kg	83 U	88 U
86-74-8	CARBAZOLE	ug/kg	83 U	7.1 J
218-01-9	CHRYSENE	ug/kg	42 U	44 U
MEPH1314	CRESOLS, M & P	ug/kg	83 U	88 U
53-70-3	DIBENZ(A,H)ANTHRACENE	ug/kg	42 U	44 U
132-64-9	DIBENZOFURAN	ug/kg	83 U	88 U
84-66-2	DIETHYL PHTHALATE	ug/kg	83 U	88 U
131-11-3	DIMETHYL PHTHALATE	ug/kg	83 U	88 U
84-74-2	DI-N-BUTYL PHTHALATE	ug/kg	83 U	88 U
117-84-0	DI-N-OCTYLPHTHALATE	ug/kg	83 U	88 U
206-44-0	FLUORANTHENE	ug/kg	42 U	44 U
86-73-7	FLUORENE	ug/kg	42 U	44 U
118-74-1	HEXACHLOROBENZENE	ug/kg	83 U	88 U
77-47-4	HEXACHLOROCYCLOPENTADIENE	ug/kg	420 U	440 U
87-68-3	HEXACHLOROBUTADIENE	ug/kg	42 U	44 U
67-72-1	HEXACHLOROETHANE	ug/kg	210 U	220 U
193-39-5	INDENO(1,2,3-C,D)PYRENE	ug/kg	42 U	44 U
78-59-1	ISOPHORONE	ug/kg	83 U	88 U
91-20-3	NAPHTHALENE	ug/kg	42 U	44 U
98-95-3	NITROBENZENE	ug/kg	83 U	88 U
621-64-7	N-NITROSODI-N-PROPYLAMINE	ug/kg	83 U	88 U
86-30-6	N-NITROSODIPHENYLAMINE	ug/kg	210 U	220 U
87-86-5	PENTACHLOROPHENOL	ug/kg	170 U	180 U
85-01-8	PHENANTHRENE	ug/kg	42 U	44 U
108-95-2	PHENOL	ug/kg	83 U	88 U
129-00-0	PYRENE	ug/kg	42 U	44 U
95-94-3	1,2,4,5-TETRACHLOROBENZENE	ug/kg	210 U	220 U

NYSDEC-Pine Ave Site Validated Soil Analytical Data SDG: JC90608		Location ID: Depth: Sample ID: Lab Sample Id: Source: SDG: Matrix: Sampled: Validated:	PINEAVE-008-SVE-02 2 - 3 ft PINEAVE-008-SVE-02 JC90608-3 ACCUTEST JC90608 SOIL 6/24/2019 17:15 8/6/2019	PINEAVE-008-SVE-03 0 - 1 ft PINEAVE-008-SVE-03 JC90608-6 ACCUTEST JC90608 SOIL 6/25/2019 9:50 8/6/2019
CAS NO.	COMPOUND	UNITS:		
	PESTICIDES			
309-00-2	ALDRIN	ug/kg	0.85 U	0.87 U
319-84-6	ALPHA BHC	ug/kg	0.85 U	0.87 U
959-98-8	ALPHA ENDOSULFAN	ug/kg	0.85 U	0.87 U
319-85-7	BETA BHC	ug/kg	0.85 U	0.87 U
33213-65-9	BETA ENDOSULFAN	ug/kg	0.85 U	0.87 U
57-74-9	CHLORDANE	ug/kg	42 U	44 U
319-86-8	DELTA BHC	ug/kg	0.85 U	0.87 U
60-57-1	DIELDRIN	ug/kg	0.85 U	0.87 U
1031-07-8	ENDOSULFAN SULFATE	ug/kg	0.85 U	0.87 U
72-20-8	ENDRIN	ug/kg	0.85 U	0.87 U
7421-93-4	ENDRIN ALDEHYDE	ug/kg	0.85 U	0.87 U
58-89-9	GAMMA BHC (LINDANE)	ug/kg	0.85 U	0.87 U
76-44-8	HEPTACHLOR	ug/kg	0.85 U	0.87 U
1024-57-3	HEPTACHLOR EPOXIDE	ug/kg	0.85 U	0.87 U
72-43-5	METHOXYCHLOR	ug/kg	1.7 U	1.7 U
72-54-8	P,P'-DDD	ug/kg	0.85 U	1.5
72-55-9	P,P'-DDE	ug/kg	0.85 U	0.87 U
50-29-3	P,P'-DDT	ug/kg	0.85 U	0.87 U
8001-35-2	TOXAPHENE	ug/kg	21 U	22 U
	PCBs			
12674-11-2	PCB-1016 (AROCLOR 1016)	ug/kg	42 U	44 U
11104-28-2	PCB-1221 (AROCLOR 1221)	ug/kg	42 U	44 U
11141-16-5	PCB-1232 (AROCLOR 1232)	ug/kg	42 U	44 U
53469-21-9	PCB-1242 (AROCLOR 1242)	ug/kg	42 U	44 U
12672-29-6	PCB-1248 (AROCLOR 1248)	ug/kg	42 U	44 U
11097-69-1	PCB-1254 (AROCLOR 1254)	ug/kg	42 U	44 U
11096-82-5	PCB-1260 (AROCLOR 1260)	ug/kg	42 U	44 U
37324-23-5	PCB-1262 (AROCLOR 1262)	ug/kg	42 U	44 U
11100-14-4	PCB-1268 (AROCLOR 1268)	ug/kg	42 U	44 U
	HERBICIDES			
94-75-7	2,4-D	ug/kg	21 U	21 U
93-72-1	SILVEX (2,4,5-TP)	ug/kg	4.2 U	4.2 U
75-99-0	DALAPON	ug/kg	4.2 U	4.2 U
1918-00-9	DICAMBA	ug/kg	4.2 U	4.2 U
120-36-5	DICHLOROPROP	ug/kg	21 U	21 U
88-85-7	DINoseb	ug/kg	21 U	21 U
94-74-6	MCPA	ug/kg	2100 U	2100 U
93-65-2	MCPP	ug/kg	2100 U	2100 U
93-76-5	2,4,5-T	ug/kg	4.2 U	4.2 U
94-82-6	2,4 DB	ug/kg	21 U	21 U
	INORGANICS			
7429-90-5	ALUMINUM	mg/kg	19700	17100
7440-36-0	ANTIMONY	mg/kg	7.6 UJ	7.9 U
7440-38-2	ARSENIC	mg/kg	3.6 J	4.1 J
7440-39-3	BARIUM	mg/kg	102	85.8
7440-41-7	BERYLLIUM	mg/kg	0.86	0.68
7440-43-9	CADMIUM	mg/kg	0.63 U	0.66 U
7440-70-2	CALCIUM	mg/kg	47900	49800
7440-47-3	CHROMIUM, TOTAL	mg/kg	26.3	26.9
7440-48-4	COBALT	mg/kg	12.8	11.7
7440-50-8	COPPER	mg/kg	19.7	18.7
7439-89-6	IRON	mg/kg	30200	29900
7439-92-1	LEAD	mg/kg	9.5	15.7
7439-95-4	MAGNESIUM	mg/kg	13100	11600
7439-96-5	MANGANESE	mg/kg	603	650
7439-97-6	MERCURY	mg/kg	0.038 U	0.041 U
7440-02-0	NICKEL	mg/kg	30.4	27.7
9/7/7440	POTASSIUM	mg/kg	4790 J	3690
7782-49-2	SELENIUM	mg/kg	7.6 U	7.9 U
7440-22-4	SILVER	mg/kg	1.9 U	2 U
7440-23-5	SODIUM	mg/kg	252 J	216 J
7440-28-0	THALLIUM	mg/kg	3.8 U	3.9 U
7440-62-2	VANADIUM	mg/kg	36	32.6
7440-66-6	ZINC	mg/kg	58.4 J	54.6
57-12-5	CYANIDE	mg/kg	0.35 UJ	0.4 U
	OTHER			
MOIST_CONT	Water Content	%	29.3	23.8
SOLID	SOLIDS, PERCENT	%	75.6	74.5

ATTACHMENT A-3

VALIDATED LABORATORY DATA FOR SURFACE WATER AND GROUNDWATER SAMPLES

NYSDEC-Pine Ave Site 2015 Site Investigation Validated Sump Analytical Data SDG: 15I0499		Location ID: Sample ID: Lab Sample Id: Source: SDG: Matrix: Sampled: Validated:	2865E-SW 2865E-SW-091015-01 15I0499-01 CONTEST 15I0499 WATER 9/10/2015 7:10 10/22/2015	2865E-SW 2865E-SW-091015-02 15I0499-02 CONTEST 15I0499 WATER 9/10/2015 7:10 10/22/2015	FIELDQC TRIP BLANK 15I0499-03 CONTEST 15I0499 WATER 9/10/2015 0:00 10/22/2015
CAS NO.	COMPOUND	UNITS:			
	VOLATILES				
630-20-6	1,1,1,2-TETRACHLOROETHANE	ug/l	50 U	50 U	1 U
71-55-6	1,1,1-TRICHLOROETHANE	ug/l	50 U	50 U	1 U
79-34-5	1,1,2,2-TETRACHLOROETHANE	ug/l	25 U	25 U	0.5 U
76-13-1	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	50 U	50 U	1 U
79-00-5	1,1,2-TRICHLOROETHANE	ug/l	50 U	50 U	1 U
75-34-3	1,1-DICHLOROETHANE	ug/l	50 U	50 U	1 U
75-35-4	1,1-DICHLOROETHENE	ug/l	50 U	50 U	1 U
563-58-6	1,1-DICHLOROPROPENE	ug/l	100 U	100 U	2 U
87-61-6	1,2,3-TRICHLOROBENZENE	ug/l	250 U	250 U	5 U
96-18-4	1,2,3-TRICHLOROPROPANE	ug/l	100 U	100 U	2 U
120-82-1	1,2,4-TRICHLOROBENZENE	ug/l	50 U	50 U	1 U
95-63-6	1,2,4-TRIMETHYLBENZENE	ug/l	50 U	50 U	1 U
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	ug/l	250 U	250 U	5 U
106-93-4	1,2-DIBROMOETHANE	ug/l	25 U	25 U	0.5 U
95-50-1	1,2-DICHLOROBENZENE	ug/l	50 U	50 U	1 U
107-06-2	1,2-DICHLOROETHANE	ug/l	50 U	50 U	1 U
78-87-5	1,2-DICHLOROPROPANE	ug/l	50 U	50 U	1 U
108-70-3	1,3,5-TRICHLOROBENZENE	ug/l	50 U	50 U	1 U
108-67-8	1,3,5-TRIMETHYLBENZENE (MESITYLENE)	ug/l	50 U	50 U	1 U
541-73-1	1,3-DICHLOROBENZENE	ug/l	50 U	50 U	1 U
142-28-9	1,3-DICHLOROPROPANE	ug/l	25 U	25 U	0.5 U
106-46-7	1,4-DICHLOROBENZENE	ug/l	50 U	50 U	1 U
123-91-1	1,4-DIOXANE (P-DIOXANE)	ug/l	2500 U	2500 U	50 U
594-20-7	2,2-DICHLOROPROPANE	ug/l	50 U	50 U	1 U
95-49-8	2-CHLOROTOLUENE	ug/l	50 U	50 U	1 U
591-78-6	2-HEXANONE	ug/l	500 U	500 U	10 U
106-43-4	4-CHLOROTOLUENE	ug/l	50 U	50 U	1 U
67-64-1	ACETONE	ug/l	2500 U	2500 U	95 J+
107-13-1	ACRYLONITRILE	ug/l	250 U	250 U	5 U
71-43-2	BENZENE	ug/l	50 U	50 U	1 U
108-86-1	BROMOBENZENE	ug/l	50 U	50 U	1 U
74-97-5	BROMOCHLOROMETHANE	ug/l	50 U	50 U	1 U
75-27-4	BROMODICHLOROMETHANE	ug/l	25 U	25 U	0.5 U
75-25-2	BROMOFORM	ug/l	50 U	50 U	1 U
74-83-9	BROMOMETHANE	ug/l	100 UJ	100 UJ	2 UJ
994-05-8	BUTANE, 2-METHOXY-2-METHYL	ug/l	25 U	25 U	0.5 U
75-15-0	CARBON DISULFIDE	ug/l	200 U	200 U	4 U
56-23-5	CARBON TETRACHLORIDE	ug/l	250 U	250 U	5 U
108-90-7	CHLOROBENZENE	ug/l	50 U	50 U	1 U
75-00-3	CHLOROETHANE	ug/l	100 UJ	100 UJ	2 UJ
67-66-3	CHLOROFORM	ug/l	100 U	100 U	2 U
74-87-3	CHLOROMETHANE	ug/l	100 U	100 U	2 U
156-59-2	CIS-1,2-DICHLOROETHYLENE	ug/l	38 J	36 J	1 U
10061-01-5	CIS-1,3-DICHLOROPROPENE	ug/l	25 U	25 U	0.5 U
99-87-6	CYMENE	ug/l	50 U	50 U	1 U
124-48-1	DIBROMOCHLOROMETHANE	ug/l	25 U	25 U	0.5 U
74-95-3	DIBROMOMETHANE	ug/l	50 U	50 U	1 U
75-71-8	DICHLORODIFLUOROMETHANE	ug/l	100 UJ	100 UJ	2 UJ
60-29-7	DIETHYL ETHER (ETHYL ETHER)	ug/l	100 U	100 U	2 U
637-92-3	ETHYL TERT-BUTYL ETHER	ug/l	25 U	25 U	0.5 U
100-41-4	ETHYLBENZENE	ug/l	50 U	50 U	1 U
87-68-3	HEXACHLOROBUTADIENE	ug/l	25 U	25 U	0.5 U
108-20-3	ISOPROPYL ETHER	ug/l	25 U	25 U	0.5 U
98-82-8	ISOPROPYLBENZENE (CUMENE)	ug/l	50 U	50 U	1 U
179601-23-1	M,P-XYLENES	ug/l	100 U	100 U	0.37 J
78-93-3	METHYL ETHYL KETONE (2-BUTANONE)	ug/l	1000 U	1000 U	20 U
108-10-1	METHYL ISOBUTYL KETONE	ug/l	500 U	500 U	10 U
75-09-2	METHYLENE CHLORIDE	ug/l	250 U	250 U	5 U
91-20-3	NAPHTHALENE	ug/l	100 UJ	100 UJ	2 UJ
104-51-8	N-BUTYLBENZENE	ug/l	50 U	50 U	1 U
103-65-1	N-PROPYLBENZENE	ug/l	50 U	50 U	1 U
95-47-6	O-XYLENE (1,2-DIMETHYLBENZENE)	ug/l	50 U	50 U	0.15 J
135-98-8	SEC-BUTYLBENZENE	ug/l	50 U	50 U	1 U
100-42-5	STYRENE	ug/l	50 U	50 U	1 U
98-06-6	T-BUTYLBENZENE	ug/l	50 U	50 U	1 U
75-65-0	TERT-BUTYL ALCOHOL	ug/l	1000 U	1000 U	21
1634-04-4	TERT-BUTYL METHYL ETHER	ug/l	50 U	50 U	1 U
127-18-4	TETRACHLOROETHYLENE(PCE)	ug/l	1900	1700	1 U
109-99-9	TETRAHYDROFURAN	ug/l	500 U	500 U	10 U
108-88-3	TOLUENE	ug/l	50 U	50 U	0.24 J
156-60-5	TRANS-1,2-DICHLOROETHENE	ug/l	50 U	50 U	1 U
10061-02-6	TRANS-1,3-DICHLOROPROPENE	ug/l	25 U	25 U	0.5 U
110-57-6	TRANS-1,4-DICHLORO-2-BUTENE	ug/l	100 U	100 U	2 U
79-01-6	TRICHLOROETHYLENE (TCE)	ug/l	110	100	1 U
75-69-4	TRICHLOROFLUOROMETHANE	ug/l	100 U	100 U	2 U
75-01-4	VINYL CHLORIDE	ug/l	100 U	100 U	2 U

NYSDEC-Pine Ave Site 2016 Site Investigation Validated Surface Water Analytical Data SDG: 16F1394		Location ID: Sample ID: Lab Sample Id: Source: SDG: Matrix: Sampled: Validated:	SSW-2 SSW-2-062216 16F1394-01 CONTEST 16F1394 WATER 6/22/2016 11:00 10/6/2016
CAS NO.	COMPOUND	UNITS:	
	VOLATILES		
630-20-6	1,1,1,2-TETRACHLOROETHANE	ug/l	1 U
71-55-6	1,1,1-TRICHLOROETHANE	ug/l	1 U
79-34-5	1,1,2,2-TETRACHLOROETHANE	ug/l	0.5 U
76-13-1	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	1 U
79-00-5	1,1,2-TRICHLOROETHANE	ug/l	1 U
75-34-3	1,1-DICHLOROETHANE	ug/l	1 U
75-35-4	1,1-DICHLOROETHENE	ug/l	1 U
563-58-6	1,1-DICHLOROPROPENE	ug/l	2 U
87-61-6	1,2,3-TRICHLOROBENZENE	ug/l	5 U
96-18-4	1,2,3-TRICHLOROPROPANE	ug/l	2 U
120-82-1	1,2,4-TRICHLOROBENZENE	ug/l	1 U
95-63-6	1,2,4-TRIMETHYLBENZENE	ug/l	0.48 J
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	ug/l	5 U
106-93-4	1,2-DIBROMOETHANE	ug/l	0.5 U
95-50-1	1,2-DICHLOROBENZENE	ug/l	1 U
107-06-2	1,2-DICHLOROETHANE	ug/l	1 U
78-87-5	1,2-DICHLOROPROPANE	ug/l	1 U
108-70-3	1,3,5-TRICHLOROBENZENE	ug/l	1 U
108-67-8	1,3,5-TRIMETHYLBENZENE (MESITYLENE)	ug/l	1 U
541-73-1	1,3-DICHLOROBENZENE	ug/l	1 U
142-28-9	1,3-DICHLOROPROPANE	ug/l	0.5 U
106-46-7	1,4-DICHLOROBENZENE	ug/l	1 U
123-91-1	1,4-DIOXANE (P-DIOXANE)	ug/l	50 U
594-20-7	2,2-DICHLOROPROPANE	ug/l	1 U
95-49-8	2-CHLOROTOLUENE	ug/l	1 U
591-78-6	2-HEXANONE	ug/l	10 U
106-43-4	4-CHLOROTOLUENE	ug/l	1 U
67-64-1	ACETONE	ug/l	82
107-13-1	ACRYLONITRILE	ug/l	5 U
71-43-2	BENZENE	ug/l	1 U
108-86-1	BROMOBENZENE	ug/l	1 U
74-97-5	BROMOCHLOROMETHANE	ug/l	1 U
75-27-4	BROMODICHLOROMETHANE	ug/l	0.5 U
75-25-2	BROMOFORM	ug/l	1 U
74-83-9	BROMOMETHANE	ug/l	2 UJ
994-05-8	BUTANE, 2-METHOXY-2-METHYL	ug/l	0.5 U
75-15-0	CARBON DISULFIDE	ug/l	4 U
56-23-5	CARBON TETRACHLORIDE	ug/l	5 U
108-90-7	CHLOROBENZENE	ug/l	1 U
75-00-3	CHLOROETHANE	ug/l	2 U
67-66-3	CHLOROFORM	ug/l	2 U
74-87-3	CHLOROMETHANE	ug/l	2 U
156-59-2	CIS-1,2-DICHLOROETHYLENE	ug/l	1 U
10061-01-5	CIS-1,3-DICHLOROPROPENE	ug/l	0.5 U
99-87-6	CYMENE	ug/l	1 U
124-48-1	DIBROMOCHLOROMETHANE	ug/l	0.5 U
74-95-3	DIBROMOMETHANE	ug/l	1 U
75-71-8	DICHLORODIFLUOROMETHANE	ug/l	2 UJ
100-41-4	ETHYLBENZENE	ug/l	1 U
87-68-3	HEXACHLOROBUTADIENE	ug/l	1 U
98-82-8	ISOPROPYLBENZENE (CUMENE)	ug/l	0.5 U
179601-23-1	M,P-XYLENES	ug/l	2 U
79-20-9	METHYL ACETATE	ug/l	1 U
78-93-3	METHYL ETHYL KETONE (2-BUTANONE)	ug/l	20 U
108-10-1	METHYL ISOBUTYL KETONE	ug/l	10 U
108-87-2	METHYLCYCLOHEXANE	ug/l	1 U
75-09-2	METHYLENE CHLORIDE	ug/l	5 U
91-20-3	NAPHTHALENE	ug/l	5 U
104-51-8	N-BUTYLBENZENE	ug/l	1 U
103-65-1	N-PROPYLBENZENE	ug/l	1 U
95-47-6	O-XYLENE (1,2-DIMETHYLBENZENE)	ug/l	1 U
135-98-8	SEC-BUTYLBENZENE	ug/l	1 U
100-42-5	STYRENE	ug/l	1 U
98-06-6	T-BUTYLBENZENE	ug/l	1 U
75-65-0	TERT-BUTYL ALCOHOL	ug/l	20 U
1634-04-4	TERT-BUTYL METHYL ETHER	ug/l	1 U
127-18-4	TETRACHLOROETHYLENE(PCE)	ug/l	1 U
109-99-9	TETRAHYDROFURAN	ug/l	26
108-88-3	TOLUENE	ug/l	1 U
156-60-5	TRANS-1,2-DICHLOROETHENE	ug/l	1 U
10061-02-6	TRANS-1,3-DICHLOROPROPENE	ug/l	0.5 U
110-57-6	TRANS-1,4-DICHLORO-2-BUTENE	ug/l	2 U
79-01-6	TRICHLOROETHYLENE (TCE)	ug/l	1 U
75-69-4	TRICHLOROFLUOROMETHANE	ug/l	2 U
75-01-4	VINYL CHLORIDE	ug/l	2 U
108-20-3	ISOPROPYL ETHER	ug/l	0.5 U
60-29-7	DIETHYL ETHER (ETHYL ETHER)	ug/l	2 U
637-92-3	ETHYL TERT-BUTYL ETHER	ug/l	0.5 U

NYSDEC-Pine Ave Site 2018 Site Investigation Validated Groundwater Analytical Data SDG: JC69463		Location ID: Depth: Sample ID: Lab Sample ID: Source: SDG: Matrix: Sampled: Validated:	SB-11(Temp Well) 1.5-4.0 ft PINE AVE-005-05 JC69463-5 ACCUTEST JC69463 WATER 7/6/2018 10:00 8/12/2018	FIELDQC PINE AVE-005-06 JC69463-6 ACCUTEST JC69463 WATER 7/6/2018 10:30 8/12/2018	FIELDQC PINE AVE-005-07 JC69463-7 ACCUTEST JC69463 WATER 7/6/2018 10:35 8/12/2018
CAS NO.	COMPOUND	UNITS:			
PFAs					
27619-97-2	6:2 Fluorotelomer sulfonate	ng/l	12 U	7.7 U	7.7 U
39108-34-4	8:2 Fluorotelomer sulfonate	ng/l	12 U	7.7 U	7.7 U
2991-50-6	EtFOSAA	ng/l	29 U	19 U	19 U
2355-31-9	MeFOSAA	ng/l	29 U	19 U	19 U
375-73-5	Perfluorobutanesulfonic acid	ng/l	3.79	1.9 U	1.9 U
375-22-4	Perfluorobutanoic acid	ng/l	4.46 J	7.7 U	7.7 U
335-77-3	Perfluorodecanesulfonic acid	ng/l	5.9 U	3.8 U	3.8 U
335-76-2	Perfluorodecanoic acid	ng/l	5.9 U	3.8 U	3.8 U
307-55-1	Perfluorododecanoic acid	ng/l	5.9 U	3.8 U	3.8 U
375-92-8	Perfluoroheptanesulfonic acid	ng/l	5.9 U	3.8 U	3.8 U
375-85-9	Perfluoroheptanoic acid	ng/l	2.9 U	1.9 U	1.9 U
355-46-4	Perfluorohexanesulfonic acid	ng/l	2.9 U	1.9 U	1.9 U
307-24-4	Perfluorohexanoic acid	ng/l	3.84 J	3.8 U	3.8 U
375-95-1	Perfluorononanoic acid	ng/l	2.9 U	1.9 U	1.9 U
1763-23-1	Perfluorooctanesulfonic acid	ng/l	2.9 U	1.9 U	1.9 U
335-67-1	Perfluorooctanoic acid	ng/l	6.77	1.9 U	1.9 U
2706-90-3	Perfluoropentanoic acid	ng/l	2.77 J	3.8 U	3.8 U
376-06-7	Perfluorotetradecanoic acid	ng/l	5.9 U	3.8 U	3.8 U
72629-94-8	Perfluorotridecanoic acid	ng/l	5.9 U	3.8 U	3.8 U
2058-94-8	Perfluoroundecanoic acid	ng/l	5.9 U	3.8 U	3.8 U
754-91-6	PFOSA	ng/l	5.9 U	3.8 U	3.8 U
VOLATILES					
71-55-6	1,1,1-TRICHLOROETHANE	ug/L	100 U		
79-34-5	1,1,2,2-TETRACHLOROETHANE	ug/L	100 U		
76-13-1	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/L	500 U		
79-00-5	1,1,2-TRICHLOROETHANE	ug/L	100 U		
75-34-3	1,1-DICHLOROETHANE	ug/L	100 U		
75-35-4	1,1-DICHLOROETHENE	ug/L	100 U		
87-61-6	1,2,3-TRICHLOROBENZENE	ug/L	100 U		
120-82-1	1,2,4-TRICHLOROBENZENE	ug/L	100 U		
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	ug/L	200 U		
106-93-4	1,2-DIBROMOETHANE	ug/L	100 U		
95-50-1	1,2-DICHLOROBENZENE	ug/L	100 U		
107-06-2	1,2-DICHLOROETHANE	ug/L	100 U		
78-87-5	1,2-DICHLOROPROPANE	ug/L	100 U		
541-73-1	1,3-DICHLOROBENZENE	ug/L	100 U		
106-46-7	1,4-DICHLOROBENZENE	ug/L	100 U		
591-78-6	2-HEXANONE	ug/L	500 U		
67-64-1	ACETONE	ug/L	1000 U		
71-43-2	BENZENE	ug/L	50 U		
74-97-5	BROMOCHLOROMETHANE	ug/L	100 U		
75-27-4	BROMODICHLOROMETHANE	ug/L	100 U		
75-25-2	BROMOFORM	ug/L	100 U		
74-83-9	BROMOMETHANE	ug/L	200 UJ		
75-15-0	CARBON DISULFIDE	ug/L	200 U		
56-23-5	CARBON TETRACHLORIDE	ug/L	100 U		
108-90-7	CHLOROBENZENE	ug/L	100 U		
75-00-3	CHLOROETHANE	ug/L	100 U		
67-66-3	CHLOROFORM	ug/L	100 U		
74-87-3	CHLOROMETHANE	ug/L	100 U		
156-59-2	CIS-1,2-DICHLOROETHYLENE	ug/L	6310		
10061-01-5	CIS-1,3-DICHLOROPROPENE	ug/L	100 U		
110-82-7	CYCLOHEXANE	ug/L	500 U		
124-48-1	DIBROMOCHLOROMETHANE	ug/L	100 U		
75-71-8	DICHLORODIFLUOROMETHANE	ug/L	200 U		
100-41-4	ETHYLBENZENE	ug/L	100 U		
98-82-8	ISOPROPYLBENZENE (CUMENE)	ug/L	100 U		
136777-61-2	M,P-XYLENES	ug/L	100 U		
79-20-9	METHYL ACETATE	ug/L	500 U		
78-93-3	METHYL ETHYL KETONE (2-BUTANONE)	ug/L	1000 U		
108-10-1	METHYL ISOBUTYL KETONE	ug/L	500 U		
108-87-2	METHYLCYCLOHEXANE	ug/L	500 U		
75-09-2	METHYLENE CHLORIDE	ug/L	200 U		

NYSDEC-Pine Ave Site 2018 Site Investigation Validated Groundwater Analytical Data SDG: JC69463		Location ID: Depth: Sample ID: Lab Sample ID: Source: SDG: Matrix: Sampled: Validated:	SB-11(Temp Well) 1.5-4.0 ft PINE AVE-005-05 JC69463-5 ACCUTEST JC69463 WATER 7/6/2018 10:00 8/12/2018	FIELDQC PINE AVE-005-06 JC69463-6 ACCUTEST JC69463 WATER 7/6/2018 10:30 8/12/2018	FIELDQC PINE AVE-005-07 JC69463-7 ACCUTEST JC69463 WATER 7/6/2018 10:35 8/12/2018
CAS NO.	COMPOUND	UNITS:			
95-47-6	O-XYLENE	ug/L	100 U		
100-42-5	STYRENE	ug/L	100 U		
1634-04-4	TERT-BUTYL METHYL ETHER	ug/L	100 U		
127-18-4	TETRACHLOROETHYLENE(PCE)	ug/L	35500		
108-88-3	TOLUENE	ug/L	100 U		
156-60-5	TRANS-1,2-DICHLOROETHENE	ug/L	56.4 J		
10061-02-6	TRANS-1,3-DICHLOROPROPENE	ug/L	100 U		
79-01-6	TRICHLOROETHYLENE (TCE)	ug/L	8000		
75-69-4	TRICHLOROFLUOROMETHANE	ug/L	200 U		
75-01-4	VINYL CHLORIDE	ug/L	100 U		
XYLENES	XYLENES, TOTAL	ug/L	100 U		
SEMIVOLATILES					
123-91-1	1,4-DIOXANE (P-DIOXANE)	ug/L	0.215		
58-90-2	2,3,4,6-TETRACHLOROPHENOL	ug/L	5.3 U		
95-95-4	2,4,5-TRICHLOROPHENOL	ug/L	5.3 U		
88-06-2	2,4,6-TRICHLOROPHENOL	ug/L	5.3 U		
120-83-2	2,4-DICHLOROPHENOL	ug/L	2.1 U		
105-67-9	2,4-DIMETHYLPHENOL	ug/L	5.3 U		
51-28-5	2,4-DINITROPHENOL	ug/L	5.3 U		
121-14-2	2,4-DINITROTOLUENE	ug/L	1.1 U		
606-20-2	2,6-DINITROTOLUENE	ug/L	1.1 U		
91-58-7	2-CHLORONAPHTHALENE	ug/L	2.1 U		
95-57-8	2-CHLOROPHENOL	ug/L	5.3 U		
91-57-6	2-METHYLNAPHTHALENE	ug/L	1.1 U		
95-48-7	2-METHYLPHENOL (O-CRESOL)	ug/L	2.1 U		
88-74-4	2-NITROANILINE	ug/L	5.3 U		
88-75-5	2-NITROPHENOL	ug/L	5.3 U		
91-94-1	3,3'-DICHLOROBENZIDINE	ug/L	2.1 U		
99-09-2	3-NITROANILINE	ug/L	5.3 U		
534-52-1	4,6-DINITRO-2-METHYLPHENOL	ug/L	5.3 U		
101-55-3	4-BROMOPHENYL PHENYL ETHER	ug/L	2.1 U		
59-50-7	4-CHLORO-3-METHYLPHENOL	ug/L	5.3 U		
106-47-8	4-CHLOROANILINE	ug/L	5.3 U		
7005-72-3	4-CHLOROPHENYL PHENYL ETHER	ug/L	2.1 U		
100-01-6	4-NITROANILINE	ug/L	5.3 U		
100-02-7	4-NITROPHENOL	ug/L	11 U		
83-32-9	ACENAPHTHENE	ug/L	1.1 U		
208-96-8	ACENAPHTHYLENE	ug/L	1.1 U		
98-86-2	ACETOPHENONE	ug/L	2.1 U		
120-12-7	ANTHRACENE	ug/L	1.1 U		
1912-24-9	ATRAZINE	ug/L	2.1 U		
100-52-7	BENZALDEHYDE	ug/L	5.3 U		
56-55-3	BENZO(A)ANTHRACENE	ug/L	0.44 J		
50-32-8	BENZO(A)PYRENE	ug/L	1.1 U		
205-99-2	BENZO(B)FLUORANTHENE	ug/L	1.1 UJ		
191-24-2	BENZO(G,H,I)PERYLENE	ug/L	1.1 UJ		
207-08-9	BENZO(K)FLUORANTHENE	ug/L	1.1 U		
85-68-7	BENZYL BUTYL PHTHALATE	ug/L	2.9		
92-52-4	BIPHENYL (DIPHENYL)	ug/L	1.1 U		
111-91-1	BIS(2-CHLOROETHOXY) METHANE	ug/L	2.1 U		
111-44-4	BIS(2-CHLOROETHYL) ETHER	ug/L	2.1 U		
108-60-1	BIS(2-CHLOROISOPROPYL) ETHER	ug/L	2.1 U		
117-81-7	BIS(2-ETHYLHEXYL) PHTHALATE	ug/L	52.9		
105-60-2	CAPROLACTAM	ug/L	2.1 U		
86-74-8	CARBAZOLE	ug/L	1.1 U		
218-01-9	CHRYSENE	ug/L	0.44 J		
MEPH1314	CRESOLS, M & P	ug/L	2.1 U		
53-70-3	DIBENZ(A,H)ANTHRACENE	ug/L	1.1 UJ		
132-64-9	DIBENZOFURAN	ug/L	5.3 U		
84-66-2	DIETHYL PHTHALATE	ug/L	2.1 U		
131-11-3	DIMETHYL PHTHALATE	ug/L	2.1 U		
84-74-2	DI-N-BUTYL PHTHALATE	ug/L	2.1 U		
117-84-0	DI-N-OCTYLPHTHALATE	ug/L	4.2		

NYSDEC-Pine Ave Site 2018 Site Investigation Validated Groundwater Analytical Data SDG: JC69463		Location ID: Depth: Sample ID: Lab Sample ID: Source: SDG: Matrix: Sampled: Validated:	SB-11(Temp Well) 1.5-4.0 ft PINE AVE-005-05 JC69463-5 ACCUTEST JC69463 WATER 7/6/2018 10:00 8/12/2018	FIELDQC PINE AVE-005-06 JC69463-6 ACCUTEST JC69463 WATER 7/6/2018 10:30 8/12/2018	FIELDQC PINE AVE-005-07 JC69463-7 ACCUTEST JC69463 WATER 7/6/2018 10:35 8/12/2018
CAS NO.	COMPOUND	UNITS:			
206-44-0	FLUORANTHENE	ug/L	0.57 J		
86-73-7	FLUORENE	ug/L	1.1 U		
118-74-1	HEXACHLOROBENZENE	ug/L	1.1 U		
87-68-3	HEXACHLOROBUTADIENE	ug/L	1.1 U		
77-47-4	HEXACHLOROCYCLOPENTADIENE	ug/L	11 U		
67-72-1	HEXACHLOROETHANE	ug/L	2.1 U		
193-39-5	INDENO(1,2,3-C,D)PYRENE	ug/L	1.1 UJ		
78-59-1	ISOPHORONE	ug/L	2.1 U		
91-20-3	NAPHTHALENE	ug/L	1.1 U		
98-95-3	NITROBENZENE	ug/L	2.1 U		
621-64-7	N-NITROSODI-N-PROPYLAMINE	ug/L	2.1 U		
86-30-6	N-NITROSODIPHENYLAMINE	ug/L	5.3 U		
87-86-5	PENTACHLOROPHENOL	ug/L	4.2 UJ		
85-01-8	PHENANTHRENE	ug/L	1.1 U		
108-95-2	PHENOL	ug/L	2.1 U		
129-00-0	PYRENE	ug/L	0.66 J		
95-94-3	1,2,4,5-TETRACHLOROBENZENE	ug/L	2.1 U		
PESTICIDES					
309-00-2	ALDRIN	ug/L	0.0065 U		
319-84-6	ALPHA BHC	ug/L	0.0065 U		
959-98-8	ALPHA ENDOSULFAN	ug/L	0.0065 U		
5103-71-9	ALPHA-CHLORDANE	ug/L	0.0065 U		
319-85-7	BETA BHC	ug/L	0.0065 U		
33213-65-9	BETA ENDOSULFAN	ug/L	0.0065 U		
5103-74-2	BETA-CHLORDANE	ug/L	0.0065 U		
319-86-8	DELTA BHC	ug/L	0.0065 U		
60-57-1	DIELDRIN	ug/L	0.0065 U		
1031-07-8	ENDOSULFAN SULFATE	ug/L	0.0065 U		
72-20-8	ENDRIN	ug/L	0.0065 U		
7421-93-4	ENDRIN ALDEHYDE	ug/L	0.026 J		
53494-70-5	ENDRIN KETONE	ug/L	0.0065 U		
58-89-9	GAMMA BHC (LINDANE)	ug/L	0.0065 U		
76-44-8	HEPTACHLOR	ug/L	0.0065 U		
1024-57-3	HEPTACHLOR EPOXIDE	ug/L	0.0065 U		
72-43-5	METHOXYCHLOR	ug/L	0.013 U		
72-54-8	P,P'-DDD	ug/L	0.0065 U		
72-55-9	P,P'-DDE	ug/L	0.0065 U		
50-29-3	P,P'-DDT	ug/L	0.0065 U		
8001-35-2	TOXAPHENE	ug/L	0.16 U		
PCBs					
12674-11-2	PCB-1016 (AROCLOR 1016)	ug/L	0.32 U		
11104-28-2	PCB-1221 (AROCLOR 1221)	ug/L	0.32 U		
11141-16-5	PCB-1232 (AROCLOR 1232)	ug/L	0.32 U		
53469-21-9	PCB-1242 (AROCLOR 1242)	ug/L	0.32 U		
12672-29-6	PCB-1248 (AROCLOR 1248)	ug/L	0.32 U		
11097-69-1	PCB-1254 (AROCLOR 1254)	ug/L	0.32 U		
11096-82-5	PCB-1260 (AROCLOR 1260)	ug/L	0.32 U		
37324-23-5	PCB-1262 (AROCLOR 1262)	ug/L	0.32 U		
11100-14-4	PCB-1268 (AROCLOR 1268)	ug/L	0.32 U		

NYSDEC-Pine Ave Site 2018 Site Investigation Validated Groundwater Analytical Data SDG: JC69463		Location ID: Depth: Sample ID: Lab Sample Id: Source: SDG: Matrix: Sampled: Validated:	SB-11(Temp Well) 1.5-4.0 ft PINE AVE-005-05 JC69463-5 ACCUTEST JC69463 WATER 7/6/2018 10:00 8/12/2018	FIELDQC PINE AVE-005-06 JC69463-6 ACCUTEST JC69463 WATER 7/6/2018 10:30 8/12/2018	FIELDQC PINE AVE-005-07 JC69463-7 ACCUTEST JC69463 WATER 7/6/2018 10:35 8/12/2018
CAS NO.	COMPOUND	UNITS:			
	HERBICIDES				
94-75-7	2,4-D	ug/L	0.45 U		
93-72-1	SILVEX (2,4,5-TP)	ug/L	0.089 U		
75-99-0	DALAPON	ug/L	0.089 U		
1918-00-9	DICAMBA	ug/L	0.089 U		
120-36-5	DICHLOROPROP	ug/L	0.45 U		
88-85-7	DINOSEB	ug/L	0.45 U		
94-74-6	MCPA	ug/L	45 U		
93-65-2	MCPD	ug/L	45 U		
93-76-5	2,4,5-T	ug/L	0.089 U		
94-82-6	2,4 DB	ug/L	0.45 U		
	INORGANICS				
7429-90-5	ALUMINUM	ug/L	690000		
7440-36-0	ANTIMONY	ug/L	300 U		
7440-38-2	ARSENIC	ug/L	150 U		
7440-39-3	BARIUM	ug/L	5060 J		
7440-41-7	BERYLLIUM	ug/L	35 J		
7440-43-9	CADMIUM	ug/L	150 U		
7440-70-2	CALCIUM	ug/L	2680000		
7440-47-3	CHROMIUM, TOTAL	ug/L	890		
7440-48-4	COBALT	ug/L	475 J		
7440-50-8	COPPER	ug/L	720		
7439-89-6	IRON	ug/L	932000		
7439-92-1	LEAD	ug/L	570		
7439-95-4	MAGNESIUM	ug/L	701000		
7439-96-5	MANGANESE	ug/L	30600		
7439-97-6	MERCURY	ug/L	6 U		
7440-02-0	NICKEL	ug/L	1060		
9/7/7440	POTASSIUM	ug/L	232000 J		
7782-49-2	SELENIUM	ug/L	500 U		
7440-22-4	SILVER	ug/L	100 J		
7440-23-5	SODIUM	ug/L	74200 J		
7440-28-0	THALLIUM	ug/L	500 U		
7440-62-2	VANADIUM	ug/L	1250 J		
7440-66-6	ZINC	ug/L	3130		
57-12-5	CYANIDE	ug/L	10 U		

					Dup of MW-08 PINE AVE-006-04	
NYSDEC-Pine Ave Site 2018 Site Investigation Validated Soil Analytical Data SDG: JC69877		Location ID: Depth: Sample ID: Lab Sample Id: Source: SDG: Matrix: Sampled: Validated:	MW-07 17.92-24.89 ft PINE AVE-006-01 JC69877-1 ACCUTEST JC69877 WATER 7/12/2018 9:15 8/12/2018	MW-08 18.17-26.5 ft PINE AVE-006-04 JC69877-4 ACCUTEST JC69877 WATER 7/12/2018 11:15 8/12/2018	MW-08 18.17-26.5 ft PINE AVE-006-05 JC69877-5 ACCUTEST JC69877 WATER 7/12/2018 0:00 8/12/2018	MW-09 18.17-26.32 ft PINE AVE-006-06 JC69877-6 ACCUTEST JC69877 WATER 7/12/2018 13:30 8/12/2018
CAS NO.	COMPOUND	UNITS:				
	PFA's					
27619-97-2	6:2 Fluorotelomer sulfonate	ng/l	7.7 U	7.7 U	8 U	7.4 U
39108-34-4	8:2 Fluorotelomer sulfonate	ng/l	7.7 U	7.7 U	8 U	7.4 U
2991-50-6	EtFOSAA	ng/l	19 U	19 U	20 U	19 U
2355-31-9	MeFOSAA	ng/l	19 U	19 U	20 U	19 U
375-73-5	Perfluorobutanesulfonic acid	ng/l	2.09	2.48	2.39	3.01
375-22-4	Perfluorobutanoic acid	ng/l	5.89 J	5.41 J	5.41 J	7.7
335-77-3	Perfluorodecanesulfonic acid	ng/l	3.8 U	3.8 U	4 U	3.7 U
335-76-2	Perfluorodecanoic acid	ng/l	3.8 U	3.8 U	4 U	3.7 U
307-55-1	Perfluorododecanoic acid	ng/l	3.8 U	3.8 U	4 U	3.7 U
375-92-8	Perfluoroheptanesulfonic acid	ng/l	3.8 U	3.8 U	4 U	3.7 U
375-85-9	Perfluoroheptanoic acid	ng/l	3.75	2.94	2.86	2.62
355-46-4	Perfluorohexanesulfonic acid	ng/l	1.05 J	1.52 J	1.49 J	2.29
307-24-4	Perfluorohexanoic acid	ng/l	6.76	5.63	5.09	5.53
375-95-1	Perfluorononanoic acid	ng/l	1.54 J	1.9 U	1.24 J	1.9 U
1763-23-1	Perfluorooctanesulfonic acid	ng/l	3.71	4.22	3.71	4.32
335-67-1	Perfluorooctanoic acid	ng/l	6.93	6.37	6.27	10.5
2706-90-3	Perfluoropentanoic acid	ng/l	11.7	9.85	9.7	10
376-06-7	Perfluorotetradecanoic acid	ng/l	3.8 U	3.8 U	4 U	3.7 U
72629-94-8	Perfluorotridecanoic acid	ng/l	3.8 U	3.8 U	4 U	3.7 U
2058-94-8	Perfluoroundecanoic acid	ng/l	3.8 U	3.8 U	4 U	3.7 U
754-91-6	PFOSA	ng/l	3.8 U	3.8 U	4 U	3.7 U
	VOLATILES					
71-55-6	1,1,1-TRICHLOROETHANE	ug/l	1 U	1 U	1 U	1 U
79-34-5	1,1,2,2-TETRACHLOROETHANE	ug/l	1 U	1 U	1 U	1 U
76-13-1	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	5 U	5 U	5 U	5 U
79-00-5	1,1,2-TRICHLOROETHANE	ug/l	1 U	1 U	1 U	1 U
75-34-3	1,1-DICHLOROETHANE	ug/l	1 U	1 U	1 U	1 U
75-35-4	1,1-DICHLOROETHENE	ug/l	1 U	1 U	1 U	1 U
87-61-6	1,2,3-TRICHLOROBENZENE	ug/l	1 U	1 U	1 U	1 U
120-82-1	1,2,4-TRICHLOROBENZENE	ug/l	1 U	1 U	1 U	1 U
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	ug/l	2 U	2 U	2 U	2 U
106-93-4	1,2-DIBROMOETHANE	ug/l	1 U	1 U	1 U	1 U
95-50-1	1,2-DICHLOROBENZENE	ug/l	1 U	1 U	1 U	1 U
107-06-2	1,2-DICHLOROETHANE	ug/l	1 U	1 U	1 U	1.3
78-87-5	1,2-DICHLOROPROPANE	ug/l	1 U	1 U	1 U	1 U
541-73-1	1,3-DICHLOROBENZENE	ug/l	1 U	1 U	1 U	1 U
106-46-7	1,4-DICHLOROBENZENE	ug/l	1 U	1 U	1 U	1 U
591-78-6	2-HEXANONE	ug/l	5 U	5 U	5 U	5 U
67-64-1	ACETONE	ug/l	10 U	10 U	10 U	10 U
71-43-2	BENZENE	ug/l	0.5 U	0.5 U	0.5 U	0.5 U
74-97-5	BROMOCHLOROMETHANE	ug/l	1 U	1 U	1 U	1 U
75-27-4	BROMODICHLOROMETHANE	ug/l	1 U	1 U	1 U	1 U
75-25-2	BROMOFORM	ug/l	1 U	1 U	1 U	1 U
74-83-9	BROMOMETHANE	ug/l	2 U	2 U	2 U	2 U
75-15-0	CARBON DISULFIDE	ug/l	2 U	2 U	2 U	2 U
56-23-5	CARBON TETRACHLORIDE	ug/l	1 U	1 U	1 U	1 U
108-90-7	CHLOROBENZENE	ug/l	1 U	1 U	1 U	1 U
75-00-3	CHLOROETHANE	ug/l	1 U	1 U	1 U	1 U
67-66-3	CHLOROFORM	ug/l	1 U	1 U	1 U	1 U
74-87-3	CHLOROMETHANE	ug/l	1 U	1 U	1 U	1 U
156-59-2	CIS-1,2-DICHLOROETHYLENE	ug/l	12.2	25.9	26.6	111
10061-01-5	CIS-1,3-DICHLOROPROPENE	ug/l	1 U	1 U	1 U	1 U
110-82-7	CYCLOHEXANE	ug/l	5 U	5 U	5 U	5 U
124-48-1	DIBROMOCHLOROMETHANE	ug/l	1 U	1 U	1 U	1 U
75-71-8	DICHLORODIFLUOROMETHANE	ug/l	2 U	2 U	2 U	2 U
100-41-4	ETHYLBENZENE	ug/l	1 U	1 U	1 U	1 U
98-82-8	ISOPROPYLBENZENE (CUMENE)	ug/l	1 U	1 U	1 U	1 U
136777-61-2	M,P-XYLENES	ug/l	1 U	1 U	1 U	1 U
79-20-9	METHYL ACETATE	ug/l	5 U	5 U	5 U	5 U
78-93-3	METHYL ETHYL KETONE (2-BUTANONE)	ug/l	10 U	10 U	10 U	10 U
108-10-1	METHYL ISOBUTYL KETONE	ug/l	5 U	5 U	5 U	5 U
108-87-2	METHYLCYCLOHEXANE	ug/l	5 U	5 U	5 U	5 U
75-09-2	METHYLENE CHLORIDE	ug/l	2 U	2 U	2 U	2 U

					Dup of MW-08 PINE AVE-006-04	
NYSDEC-Pine Ave Site 2018 Site Investigation Validated Soil Analytical Data SDG: JC69877		Location ID: Depth: Sample ID: Lab Sample Id: Source: SDG: Matrix: Sampled: Validated:	MW-07 17.92-24.89 ft PINE AVE-006-01 JC69877-1 ACCUTEST JC69877 WATER 7/12/2018 9:15 8/12/2018	MW-08 18.17-26.5 ft PINE AVE-006-04 JC69877-4 ACCUTEST JC69877 WATER 7/12/2018 11:15 8/12/2018	MW-08 18.17-26.5 ft PINE AVE-006-05 JC69877-5 ACCUTEST JC69877 WATER 7/12/2018 0:00 8/12/2018	MW-09 18.17-26.32 ft PINE AVE-006-06 JC69877-6 ACCUTEST JC69877 WATER 7/12/2018 13:30 8/12/2018
CAS NO.	COMPOUND	UNITS:				
95-47-6	O-XYLENE	ug/l	1 U	1 U	1 U	1 U
100-42-5	STYRENE	ug/l	1 U	1 U	1 U	1 U
1634-04-4	TERT-BUTYL METHYL ETHER	ug/l	1 U	1 U	1 U	1 U
127-18-4	TETRACHLOROETHYLENE(PCE)	ug/l	1 U	5.1	5.4	149
108-88-3	TOLUENE	ug/l	1 U	1 U	1 U	1 U
156-60-5	TRANS-1,2-DICHLOROETHENE	ug/l	1 U	1 U	1 U	1.4
10061-02-6	TRANS-1,3-DICHLOROPROPENE	ug/l	1 U	1 U	1 U	1 U
79-01-6	TRICHLOROETHYLENE (TCE)	ug/l	0.56 J	5.5	5.4	70.4
75-69-4	TRICHLOROFLUOROMETHANE	ug/l	2 U	2 U	2 U	2 U
75-01-4	VINYL CHLORIDE	ug/l	7.5	3.9	3.9	8.8
XYLENES	XYLENES, TOTAL	ug/l	1 U	1 U	1 U	1 U
	SEMIVOLATILES					
123-91-1	1,4-DIOXANE (P-DIOXANE)	ug/l	0.0784 J	0.0632 J	0.202 J	0.0877 J
58-90-2	2,3,4,6-TETRACHLOROPHENOL	ug/l	5.1 U	5.1 U	5 U	5 U
95-95-4	2,4,5-TRICHLOROPHENOL	ug/l	5.1 U	5.1 U	5 U	5 U
88-06-2	2,4,6-TRICHLOROPHENOL	ug/l	5.1 U	5.1 U	5 U	5 U
120-83-2	2,4-DICHLOROPHENOL	ug/l	2.1 U	2.1 U	2 U	2 U
105-67-9	2,4-DIMETHYLPHENOL	ug/l	5.1 U	5.1 U	5 U	5 U
51-28-5	2,4-DINITROPHENOL	ug/l	5.1 UJ	5.1 UJ	5 UJ	5 UJ
121-14-2	2,4-DINITROTOLUENE	ug/l	1 U	1 U	1 U	1 U
606-20-2	2,6-DINITROTOLUENE	ug/l	1 U	1 U	1 U	1 U
91-58-7	2-CHLORONAPHTHALENE	ug/l	2.1 U	2.1 U	2 U	2 U
95-57-8	2-CHLOROPHENOL	ug/l	5.1 U	5.1 U	5 U	5 U
91-57-6	2-METHYLNAPHTHALENE	ug/l	1 U	1 U	1 U	1 U
95-48-7	2-METHYLPHENOL (O-CRESOL)	ug/l	2.1 U	2.1 U	2 U	2 U
88-74-4	2-NITROANILINE	ug/l	5.1 U	5.1 U	5 U	5 U
88-75-5	2-NITROPHENOL	ug/l	5.1 U	5.1 U	5 U	5 U
91-94-1	3,3'-DICHLOROBENZIDINE	ug/l	2.1 U	2.1 U	2 U	2 U
99-09-2	3-NITROANILINE	ug/l	5.1 U	5.1 U	5 U	5 U
534-52-1	4,6-DINITRO-2-METHYLPHENOL	ug/l	5.1 U	5.1 U	5 U	5 U
101-55-3	4-BROMOPHENYL PHENYL ETHER	ug/l	2.1 U	2.1 U	2 U	2 U
59-50-7	4-CHLORO-3-METHYLPHENOL	ug/l	5.1 U	5.1 U	5 U	5 U
106-47-8	4-CHLOROANILINE	ug/l	5.1 U	5.1 U	5 U	5 U
7005-72-3	4-CHLOROPHENYL PHENYL ETHER	ug/l	2.1 U	2.1 U	2 U	2 U
100-01-6	4-NITROANILINE	ug/l	5.1 U	5.1 U	5 U	5 U
100-02-7	4-NITROPHENOL	ug/l	10 U	10 U	10 U	10 U
83-32-9	ACENAPHTHENE	ug/l	1 U	1 U	1 U	1 U
208-96-8	ACENAPHTHYLENE	ug/l	1 U	1 U	1 U	1 U
98-86-2	ACETOPHENONE	ug/l	2.1 U	2.1 U	2 U	2 U
120-12-7	ANTHRACENE	ug/l	1 U	1 U	1 U	1 U
1912-24-9	ATRAZINE	ug/l	2.1 U	2.1 U	2 U	2 U
100-52-7	BENZALDEHYDE	ug/l	5.1 U	5.1 U	5 U	5 U
56-55-3	BENZO(A)ANTHRACENE	ug/l	1 U	1 U	1 U	1 U
50-32-8	BENZO(A)PYRENE	ug/l	1 U	1 U	1 U	1 U
205-99-2	BENZO(B)FLUORANTHENE	ug/l	1 U	1 U	1 U	1 U
191-24-2	BENZO(G,H,I)PERYLENE	ug/l	1 U	1 U	1 U	1 U
207-08-9	BENZO(K)FLUORANTHENE	ug/l	1 U	1 U	1 U	1 U
85-68-7	BENZYL BUTYL PHTHALATE	ug/l	2.1 U	2.1 U	2 U	2 U
92-52-4	BIPHENYL (DIPHENYL)	ug/l	1 U	1 U	1 U	1 U
111-91-1	BIS(2-CHLOROETHOXY) METHANE	ug/l	2.1 U	2.1 U	2 U	2 U
111-44-4	BIS(2-CHLOROETHYL) ETHER	ug/l	2.1 U	2.1 U	2 U	2 U
108-60-1	BIS(2-CHLOROISOPROPYL) ETHER	ug/l	2.1 U	2.1 U	2 U	2 U
117-81-7	BIS(2-ETHYLHEXYL) PHTHALATE	ug/l	2.1 U	2.1 U	2 U	2 U
105-60-2	CAPROLACTAM	ug/l	2.1 U	2.1 U	2 U	2 U
86-74-8	CARBAZOLE	ug/l	1 U	1 U	1 U	1 U
218-01-9	CHRYSENE	ug/l	1 U	1 U	1 U	1 U
MEPH1314	CRESOLS, M & P	ug/l	2.1 U	2.1 U	2 U	2 U
53-70-3	DIBENZ(A,H)ANTHRACENE	ug/l	1 U	1 U	1 U	1 U
132-64-9	DIBENZOFURAN	ug/l	5.1 U	5.1 U	5 U	5 U
84-66-2	DIETHYL PHTHALATE	ug/l	2.1 U	2.1 U	2 U	2 U
131-11-3	DIMETHYL PHTHALATE	ug/l	2.1 U	2.1 U	2 U	2 U
84-74-2	DI-N-BUTYL PHTHALATE	ug/l	2.1 U	2.1 U	2 U	2 U
117-84-0	DI-N-OCTYLPHTHALATE	ug/l	2.1 U	2.1 U	2 U	2 U
206-44-0	FLUORANTHENE	ug/l	1 U	1 U	1 U	1 U

		Dup of MW-08 PINE AVE-006-04				
NYSDEC-Pine Ave Site 2018 Site Investigation Validated Soil Analytical Data SDG: JC69877		Location ID: Depth: Sample ID: Lab Sample Id: Source: SDG: Matrix: Sampled: Validated:	MW-07 17.92-24.89 ft PINE AVE-006-01 JC69877-1 ACCUTEST JC69877 WATER 7/12/2018 9:15 8/12/2018	MW-08 18.17-26.5 ft PINE AVE-006-04 JC69877-4 ACCUTEST JC69877 WATER 7/12/2018 11:15 8/12/2018	MW-08 18.17-26.5 ft PINE AVE-006-05 JC69877-5 ACCUTEST JC69877 WATER 7/12/2018 0:00 8/12/2018	MW-09 18.17-26.32 ft PINE AVE-006-06 JC69877-6 ACCUTEST JC69877 WATER 7/12/2018 13:30 8/12/2018
CAS NO.	COMPOUND	UNITS:				
86-73-7	FLUORENE	ug/l	1 U	1 U	1 U	1 U
118-74-1	HEXACHLORO BENZENE	ug/l	1 U	1 U	1 U	1 U
87-68-3	HEXACHLOROBUTADIENE	ug/l	1 U	1 U	1 U	1 U
77-47-4	HEXACHLOROCYCLOPENTADIENE	ug/l	10 UJ	10 UJ	10 UJ	10 UJ
67-72-1	HEXACHLOROETHANE	ug/l	2.1 U	2.1 U	2 U	2 U
193-39-5	INDENO(1,2,3-C,D)PYRENE	ug/l	1 U	1 U	1 U	1 U
78-59-1	ISOPHORONE	ug/l	2.1 U	2.1 U	2 U	2 U
91-20-3	NAPHTHALENE	ug/l	1 U	1 U	1 U	1 U
98-95-3	NITROBENZENE	ug/l	2.1 U	2.1 U	2 U	2 U
621-64-7	N-NITROSODI-N-PROPYLAMINE	ug/l	2.1 U	2.1 U	2 U	2 U
86-30-6	N-NITROSODIPHENYLAMINE	ug/l	5.1 U	5.1 U	5 U	5 U
87-86-5	PENTACHLOROPHENOL	ug/l	4.1 UJ	4.1 UJ	4 UJ	4 UJ
85-01-8	PHENANTHRENE	ug/l	1 U	1 U	1 U	1 U
108-95-2	PHENOL	ug/l	2.1 U	2.1 U	2 U	2 U
129-00-0	PYRENE	ug/l	1 U	1 U	1 U	1 U
95-94-3	1,2,4,5-TETRACHLORO BENZENE	ug/l	2.1 U	2.1 U	2 U	2 U
PESTICIDES						
309-00-2	ALDRIN	ug/l	0.0067 U	0.0074 U	0.0069 U	0.0067 U
319-84-6	ALPHA BHC	ug/l	0.0067 U	0.0074 U	0.0069 U	0.0067 U
959-98-8	ALPHA ENDOSULFAN	ug/l	0.0067 U	0.0074 U	0.0069 U	0.0067 U
5103-71-9	ALPHA-CHLORDANE	ug/l	0.0067 U	0.0074 U	0.0069 U	0.0067 U
319-85-7	BETA BHC	ug/l	0.0067 U	0.0074 U	0.0069 U	0.0067 U
33213-65-9	BETA ENDOSULFAN	ug/l	0.0067 U	0.0074 U	0.0069 U	0.0067 U
5103-74-2	BETA-CHLORDANE	ug/l	0.0067 U	0.0074 U	0.0069 U	0.0067 U
319-86-8	DELTA BHC	ug/l	0.0067 U	0.0074 U	0.0069 U	0.0067 U
60-57-1	DIELDRIN	ug/l	0.0067 U	0.0074 U	0.0069 U	0.0067 U
1031-07-8	ENDOSULFAN SULFATE	ug/l	0.0067 U	0.0074 U	0.0069 U	0.0067 U
72-20-8	ENDRIN	ug/l	0.0067 U	0.0074 U	0.0069 U	0.0067 U
7421-93-4	ENDRIN ALDEHYDE	ug/l	0.0067 U	0.0074 U	0.0069 U	0.0067 U
53494-70-5	ENDRIN KETONE	ug/l	0.0067 U	0.0074 U	0.0069 U	0.0067 U
58-89-9	GAMMA BHC (LINDANE)	ug/l	0.0067 U	0.0074 U	0.0069 U	0.0067 U
76-44-8	HEPTACHLOR	ug/l	0.0067 U	0.0074 U	0.0069 U	0.0067 U
1024-57-3	HEPTACHLOR EPOXIDE	ug/l	0.0067 U	0.0074 U	0.0069 U	0.0067 U
72-43-5	METHOXYCHLOR	ug/l	0.013 U	0.015 U	0.014 U	0.013 U
72-54-8	P,P'-DDD	ug/l	0.0067 U	0.0074 U	0.0069 U	0.0067 U
72-55-9	P,P'-DDE	ug/l	0.0067 U	0.0074 U	0.0069 U	0.0067 U
50-29-3	P,P'-DDT	ug/l	0.0067 U	0.0074 U	0.0069 U	0.0067 U
8001-35-2	TOXAPHENE	ug/l	0.17 U	0.19 U	0.17 U	0.17 U
PCBs						
12674-11-2	PCB-1016 (AROCLOR 1016)	ug/l	0.32 U	0.33 U	0.33 U	0.31 U
11104-28-2	PCB-1221 (AROCLOR 1221)	ug/l	0.32 U	0.33 U	0.33 U	0.31 U
11141-16-5	PCB-1232 (AROCLOR 1232)	ug/l	0.32 U	0.33 U	0.33 U	0.31 U
53469-21-9	PCB-1242 (AROCLOR 1242)	ug/l	0.32 U	0.33 U	0.33 U	0.31 U
12672-29-6	PCB-1248 (AROCLOR 1248)	ug/l	0.32 U	0.33 U	0.33 U	0.31 U
11097-69-1	PCB-1254 (AROCLOR 1254)	ug/l	0.32 U	0.33 U	0.33 U	0.31 U
11096-82-5	PCB-1260 (AROCLOR 1260)	ug/l	0.32 U	0.33 U	0.33 U	0.31 U
37324-23-5	PCB-1262 (AROCLOR 1262)	ug/l	0.32 U	0.33 U	0.33 U	0.31 U
11100-14-4	PCB-1268 (AROCLOR 1268)	ug/l	0.32 U	0.33 U	0.33 U	0.31 U
HERBICIDES						
94-75-7	2,4-D	ug/l	0.43 U	0.43 U	0.43 U	0.42 U
93-72-1	SILVEX (2,4,5-TP)	ug/l	0.086 U	0.086 U	0.086 U	0.083 U
75-99-0	DALAPON	ug/l	0.086 U	0.086 U	0.086 U	0.083 U
1918-00-9	DICAMBA	ug/l	0.086 U	0.086 U	0.086 U	0.083 U
120-36-5	DICHLOROPROP	ug/l	0.43 U	0.43 U	0.43 U	0.42 U
88-85-7	DINoseb	ug/l	0.43 U	0.43 U	0.43 U	0.42 U
94-74-6	MCPA	ug/l	43 U	43 U	43 U	42 U
93-65-2	MCPP	ug/l	43 U	43 U	43 U	42 U
93-76-5	2,4,5-T	ug/l	0.086 U	0.086 U	0.086 U	0.083 U
94-82-6	2,4 DB	ug/l	0.43 U	0.43 U	0.43 U	0.42 U

					Dup of MW-08 PINE AVE-006-04	
NYSDEC-Pine Ave Site 2018 Site Investigation Validated Soil Analytical Data SDG: JC69877		Location ID: Depth: Sample ID: Lab Sample Id: Source: SDG: Matrix: Sampled: Validated:	MW-07 17.92-24.89 ft PINE AVE-006-01 JC69877-1 ACCUTEST JC69877 WATER 7/12/2018 9:15 8/12/2018	MW-08 18.17-26.5 ft PINE AVE-006-04 JC69877-4 ACCUTEST JC69877 WATER 7/12/2018 11:15 8/12/2018	MW-08 18.17-26.5 ft PINE AVE-006-05 JC69877-5 ACCUTEST JC69877 WATER 7/12/2018 0:00 8/12/2018	MW-09 18.17-26.32 ft PINE AVE-006-06 JC69877-6 ACCUTEST JC69877 WATER 7/12/2018 13:30 8/12/2018
CAS NO.	COMPOUND	UNITS:				
	INORGANICS					
7429-90-5	ALUMINUM	ug/l	200 U	200 U	200 U	200 U
7440-36-0	ANTIMONY	ug/l	6 U	6 U	6 U	6 U
7440-38-2	ARSENIC	ug/l	9 U	3 U	3 U	20.9
7440-39-3	BARIUM	ug/l	110 J	104 J	105 J	93.2 J
7440-41-7	BERYLLIUM	ug/l	1 U	1 U	1 U	1 U
7440-43-9	CADMIUM	ug/l	3 U	3 U	3 U	3 U
7440-70-2	CALCIUM	ug/l	208000	164000	165000	146000
7440-47-3	CHROMIUM, TOTAL	ug/l	10 U	10 U	10 U	10 U
7440-48-4	COBALT	ug/l	50 U	50 U	50 U	3.9 J
7440-50-8	COPPER	ug/l	10 U	10 U	10 U	10 U
7439-89-6	IRON	ug/l	466	172	177	638
7439-92-1	LEAD	ug/l	3 U	3 U	3 U	1.8 J
7439-95-4	MAGNESIUM	ug/l	92300	74000	73700	55800
7439-96-5	MANGANESE	ug/l	133	142	143	311
7439-97-6	MERCURY	ug/l	0.11 J	0.2 U	0.13 J	0.14 J
7440-02-0	NICKEL	ug/l	6 J	4.3 J	4.2 J	8.4 J
9/7/7440	POTASSIUM	ug/l	3690 J	3320 J	3420 J	2870 J
7782-49-2	SELENIUM	ug/l	10 U	10 U	10 U	10 U
7440-22-4	SILVER	ug/l	10 U	10 U	10 U	10 U
7440-23-5	SODIUM	ug/l	186000	158000	158000	131000
7440-28-0	THALLIUM	ug/l	10 U	10 U	10 U	10 U
7440-62-2	VANADIUM	ug/l	50 U	50 U	50 U	2.5 J
7440-66-6	ZINC	ug/l	187 J	213	214	209
57-12-5	CYANIDE	ug/l	10 U	10 U	10 U	10 U
	DISSOLVED METALS					
7429-90-5	ALUMINUM	ug/l	200 U	200 U	200 U	200 U
7440-36-0	ANTIMONY	ug/l	6 U	6 U	6 U	6 U
7440-38-2	ARSENIC	ug/l	8.6 J	3 U	3 U	20.6
7440-39-3	BARIUM	ug/l	111 J	105 J	105 J	92.6 J
7440-41-7	BERYLLIUM	ug/l	1 U	1 U	1 U	1 U
7440-43-9	CADMIUM	ug/l	3 U	3 U	3 U	3 U
7440-70-2	CALCIUM	ug/l	208000	165000	164000	144000
7440-47-3	CHROMIUM, TOTAL	ug/l	10 U	10 U	10 U	10 U
7440-48-4	COBALT	ug/l	50 U	50 U	50 U	4.1 J
7440-50-8	COPPER	ug/l	8.9 J	10 U	10 U	7.1 J
7439-89-6	IRON	ug/l	462	160	158	597
7439-92-1	LEAD	ug/l	3 U	3 U	3 U	3 U
7439-95-4	MAGNESIUM	ug/l	93800	74200	73900	55100
7439-96-5	MANGANESE	ug/l	133	143	143	316
7439-97-6	MERCURY	ug/l	0.13 J	0.13 J	0.14 J	0.12 J
7440-02-0	NICKEL	ug/l	5.5 J	4.4 J	4.5 J	8.1 J
9/7/7440	POTASSIUM	ug/l	3710 J	3370 J	3390 J	2880 J
7782-49-2	SELENIUM	ug/l	10 U	10 U	10 U	10 U
7440-22-4	SILVER	ug/l	10 U	10 U	10 U	10 U
7440-23-5	SODIUM	ug/l	186000	160000	159000	131000
7440-28-0	THALLIUM	ug/l	10 U	10 U	10 U	10 U
7440-62-2	VANADIUM	ug/l	50 U	50 U	50 U	2.7 J
7440-66-6	ZINC	ug/l	191	214	212	206

NYSDEC-Pine Ave Site 2018 Site Investigation Validated Soil Analytical Data SDG: JC69877		Location ID: Depth: Sample ID: Lab Sample ID: Source: SDG: Matrix: Sampled: Validated:	FIELDQC PINE AVE-006-02 JC69877-2 ACCUTEST JC69877 WATER 7/12/2018 8:42 8/12/2018	FIELDQC PINE AVE-006-03 JC69877-3 ACCUTEST JC69877 WATER 7/12/2018 16:00 8/12/2018	FIELDQC TRIP BLANK JC69877-7 ACCUTEST JC69877 WATER 7/12/2018 16:00 8/12/2018
CAS NO.	COMPOUND	UNITS:			
	PFAs				
27619-97-2	6:2 Fluorotelomer sulfonate	ng/l	7.4 U	8.3 U	
39108-34-4	8:2 Fluorotelomer sulfonate	ng/l	7.4 U	8.3 U	
2991-50-6	EtFOSAA	ng/l	19 U	21 U	
2355-31-9	MeFOSAA	ng/l	19 U	21 U	
375-73-5	Perfluorobutanesulfonic acid	ng/l	1.9 U	2.1 U	
375-22-4	Perfluorobutanoic acid	ng/l	7.4 U	8.3 U	
335-77-3	Perfluorodecanesulfonic acid	ng/l	3.7 U	4.2 U	
335-76-2	Perfluorodecanoic acid	ng/l	3.7 U	4.2 U	
307-55-1	Perfluorododecanoic acid	ng/l	3.7 U	4.2 U	
375-92-8	Perfluoroheptanesulfonic acid	ng/l	3.7 U	4.2 U	
375-85-9	Perfluoroheptanoic acid	ng/l	1.9 U	2.1 U	
355-46-4	Perfluorohexanesulfonic acid	ng/l	1.9 U	2.1 U	
307-24-4	Perfluorohexanoic acid	ng/l	3.7 U	4.2 U	
375-95-1	Perfluorononanoic acid	ng/l	1.9 U	2.1 U	
1763-23-1	Perfluorooctanesulfonic acid	ng/l	1.9 U	2.1 U	
335-67-1	Perfluorooctanoic acid	ng/l	1.9 U	2.1 U	
2706-90-3	Perfluoropentanoic acid	ng/l	3.7 U	4.2 U	
376-06-7	Perfluorotetradecanoic acid	ng/l	3.7 U	4.2 U	
72629-94-8	Perfluorotridecanoic acid	ng/l	3.7 U	4.2 U	
2058-94-8	Perfluoroundecanoic acid	ng/l	3.7 U	4.2 U	
754-91-6	PFOSA	ng/l	3.7 U	4.2 U	
	VOLATILES				
71-55-6	1,1,1-TRICHLOROETHANE	ug/l			1 U
79-34-5	1,1,2,2-TETRACHLOROETHANE	ug/l			1 U
76-13-1	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l			5 U
79-00-5	1,1,2-TRICHLOROETHANE	ug/l			1 U
75-34-3	1,1-DICHLOROETHANE	ug/l			1 U
75-35-4	1,1-DICHLOROETHENE	ug/l			1 U
87-61-6	1,2,3-TRICHLOROBENZENE	ug/l			1 U
120-82-1	1,2,4-TRICHLOROBENZENE	ug/l			1 U
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	ug/l			2 U
106-93-4	1,2-DIBROMOETHANE	ug/l			1 U
95-50-1	1,2-DICHLOROBENZENE	ug/l			1 U
107-06-2	1,2-DICHLOROETHANE	ug/l			1 U
78-87-5	1,2-DICHLOROPROPANE	ug/l			1 U
541-73-1	1,3-DICHLOROBENZENE	ug/l			1 U
106-46-7	1,4-DICHLOROBENZENE	ug/l			1 U
591-78-6	2-HEXANONE	ug/l			5 U
67-64-1	ACETONE	ug/l			10 U
71-43-2	BENZENE	ug/l			0.5 U
74-97-5	BROMOCHLOROMETHANE	ug/l			1 U
75-27-4	BROMODICHLOROMETHANE	ug/l			1 U
75-25-2	BROMOFORM	ug/l			1 U
74-83-9	BROMOMETHANE	ug/l			2 U
75-15-0	CARBON DISULFIDE	ug/l			2 U
56-23-5	CARBON TETRACHLORIDE	ug/l			1 U
108-90-7	CHLOROBENZENE	ug/l			1 U
75-00-3	CHLOROETHANE	ug/l			1 U
67-66-3	CHLOROFORM	ug/l			1 U
74-87-3	CHLOROMETHANE	ug/l			1 U
156-59-2	CIS-1,2-DICHLOROETHYLENE	ug/l			1 U
10061-01-5	CIS-1,3-DICHLOROPROPENE	ug/l			1 U
110-82-7	CYCLOHEXANE	ug/l			5 U
124-48-1	DIBROMOCHLOROMETHANE	ug/l			1 U
75-71-8	DICHLORODIFLUOROMETHANE	ug/l			2 U
100-41-4	ETHYLBENZENE	ug/l			1 U
98-82-8	ISOPROPYLBENZENE (CUMENE)	ug/l			1 U
136777-61-2	M,P-XYLENES	ug/l			1 U
79-20-9	METHYL ACETATE	ug/l			5 U
78-93-3	METHYL ETHYL KETONE (2-BUTANONE)	ug/l			10 U
108-10-1	METHYL ISOBUTYL KETONE	ug/l			5 U
108-87-2	METHYLCYCLOHEXANE	ug/l			5 U
75-09-2	METHYLENE CHLORIDE	ug/l			2 U

NYSDEC-Pine Ave Site 2018 Site Investigation Validated Soil Analytical Data SDG: JC69877		Location ID: Depth: Sample ID: Lab Sample ID: Source: SDG: Matrix: Sampled: Validated:	FIELDQC PINE AVE-006-02 JC69877-2 ACCUTEST JC69877 WATER 7/12/2018 8:42 8/12/2018	FIELDQC PINE AVE-006-03 JC69877-3 ACCUTEST JC69877 WATER 7/12/2018 16:00 8/12/2018	FIELDQC TRIP BLANK JC69877-7 ACCUTEST JC69877 WATER 7/12/2018 16:00 8/12/2018
CAS NO.	COMPOUND	UNITS:			
95-47-6	O-XYLENE	ug/l			1 U
100-42-5	STYRENE	ug/l			1 U
1634-04-4	TERT-BUTYL METHYL ETHER	ug/l			1 U
127-18-4	TETRACHLOROETHYLENE(PCE)	ug/l			1 U
108-88-3	TOLUENE	ug/l			1 U
156-60-5	TRANS-1,2-DICHLOROETHENE	ug/l			1 U
10061-02-6	TRANS-1,3-DICHLOROPROPENE	ug/l			1 U
79-01-6	TRICHLOROETHYLENE (TCE)	ug/l			1 U
75-69-4	TRICHLOROFLUOROMETHANE	ug/l			2 U
75-01-4	VINYL CHLORIDE	ug/l			1 U
XYLENES	XYLENES, TOTAL	ug/l			1 U
SEMIVOLATILES					
123-91-1	1,4-DIOXANE (P-DIOXANE)	ug/l			
58-90-2	2,3,4,6-TETRACHLOROPHENOL	ug/l			
95-95-4	2,4,5-TRICHLOROPHENOL	ug/l			
88-06-2	2,4,6-TRICHLOROPHENOL	ug/l			
120-83-2	2,4-DICHLOROPHENOL	ug/l			
105-67-9	2,4-DIMETHYLPHENOL	ug/l			
51-28-5	2,4-DINITROPHENOL	ug/l			
121-14-2	2,4-DINITROTOLUENE	ug/l			
606-20-2	2,6-DINITROTOLUENE	ug/l			
91-58-7	2-CHLORONAPHTHALENE	ug/l			
95-57-8	2-CHLOROPHENOL	ug/l			
91-57-6	2-METHYLNAPHTHALENE	ug/l			
95-48-7	2-METHYLPHENOL (O-CRESOL)	ug/l			
88-74-4	2-NITROANILINE	ug/l			
88-75-5	2-NITROPHENOL	ug/l			
91-94-1	3,3'-DICHLOROBENZIDINE	ug/l			
99-09-2	3-NITROANILINE	ug/l			
534-52-1	4,6-DINITRO-2-METHYLPHENOL	ug/l			
101-55-3	4-BROMOPHENYL PHENYL ETHER	ug/l			
59-50-7	4-CHLORO-3-METHYLPHENOL	ug/l			
106-47-8	4-CHLOROANILINE	ug/l			
7005-72-3	4-CHLOROPHENYL PHENYL ETHER	ug/l			
100-01-6	4-NITROANILINE	ug/l			
100-02-7	4-NITROPHENOL	ug/l			
83-32-9	ACENAPHTHENE	ug/l			
208-96-8	ACENAPHTHYLENE	ug/l			
98-86-2	ACETOPHENONE	ug/l			
120-12-7	ANTHRACENE	ug/l			
1912-24-9	ATRAZINE	ug/l			
100-52-7	BENZALDEHYDE	ug/l			
56-55-3	BENZO(A)ANTHRACENE	ug/l			
50-32-8	BENZO(A)PYRENE	ug/l			
205-99-2	BENZO(B)FLUORANTHENE	ug/l			
191-24-2	BENZO(G,H,I)PERYLENE	ug/l			
207-08-9	BENZO(K)FLUORANTHENE	ug/l			
85-68-7	BENZYL BUTYL PHTHALATE	ug/l			
92-52-4	BIPHENYL (DIPHENYL)	ug/l			
111-91-1	BIS(2-CHLOROETHOXY) METHANE	ug/l			
111-44-4	BIS(2-CHLOROETHYL) ETHER	ug/l			
108-60-1	BIS(2-CHLOROISOPROPYL) ETHER	ug/l			
117-81-7	BIS(2-ETHYLHEXYL) PHTHALATE	ug/l			
105-60-2	CAPROLACTAM	ug/l			
86-74-8	CARBAZOLE	ug/l			
218-01-9	CHRYSENE	ug/l			
MEPH1314	CRESOLS, M & P	ug/l			
53-70-3	DIBENZ(A,H)ANTHRACENE	ug/l			
132-64-9	DIBENZOFURAN	ug/l			
84-66-2	DIETHYL PHTHALATE	ug/l			
131-11-3	DIMETHYL PHTHALATE	ug/l			
84-74-2	DI-N-BUTYL PHTHALATE	ug/l			
117-84-0	DI-N-OCTYLPHTHALATE	ug/l			
206-44-0	FLUORANTHENE	ug/l			

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CAS NO.	COMPOUND	UNITS:			
86-73-7	FLUORENE	ug/l			
118-74-1	HEXACHLOROBENZENE	ug/l			
87-68-3	HEXACHLOROBUTADIENE	ug/l			
77-47-4	HEXACHLOROCYCLOPENTADIENE	ug/l			
67-72-1	HEXACHLOROETHANE	ug/l			
193-39-5	INDENO(1,2,3-C,D)PYRENE	ug/l			
78-59-1	ISOPHORONE	ug/l			
91-20-3	NAPHTHALENE	ug/l			
98-95-3	NITROBENZENE	ug/l			
621-64-7	N-NITROSODI-N-PROPYLAMINE	ug/l			
86-30-6	N-NITROSODIPHENYLAMINE	ug/l			
87-86-5	PENTACHLOROPHENOL	ug/l			
85-01-8	PHENANTHRENE	ug/l			
108-95-2	PHENOL	ug/l			
129-00-0	PYRENE	ug/l			
95-94-3	1,2,4,5-TETRACHLOROBENZENE	ug/l			
	PESTICIDES				
309-00-2	ALDRIN	ug/l			
319-84-6	ALPHA BHC	ug/l			
959-98-8	ALPHA ENDOSULFAN	ug/l			
5103-71-9	ALPHA-CHLORDANE	ug/l			
319-85-7	BETA BHC	ug/l			
33213-65-9	BETA ENDOSULFAN	ug/l			
5103-74-2	BETA-CHLORDANE	ug/l			
319-86-8	DELTA BHC	ug/l			
60-57-1	DIELDRIN	ug/l			
1031-07-8	ENDOSULFAN SULFATE	ug/l			
72-20-8	ENDRIN	ug/l			
7421-93-4	ENDRIN ALDEHYDE	ug/l			
53494-70-5	ENDRIN KETONE	ug/l			
58-89-9	GAMMA BHC (LINDANE)	ug/l			
76-44-8	HEPTACHLOR	ug/l			
1024-57-3	HEPTACHLOR EPOXIDE	ug/l			
72-43-5	METHOXYCHLOR	ug/l			
72-54-8	P,P'-DDD	ug/l			
72-55-9	P,P'-DDE	ug/l			
50-29-3	P,P'-DDT	ug/l			
8001-35-2	TOXAPHENE	ug/l			
	PCBs				
12674-11-2	PCB-1016 (AROCLOR 1016)	ug/l			
11104-28-2	PCB-1221 (AROCLOR 1221)	ug/l			
11141-16-5	PCB-1232 (AROCLOR 1232)	ug/l			
53469-21-9	PCB-1242 (AROCLOR 1242)	ug/l			
12672-29-6	PCB-1248 (AROCLOR 1248)	ug/l			
11097-69-1	PCB-1254 (AROCLOR 1254)	ug/l			
11096-82-5	PCB-1260 (AROCLOR 1260)	ug/l			
37324-23-5	PCB-1262 (AROCLOR 1262)	ug/l			
11100-14-4	PCB-1268 (AROCLOR 1268)	ug/l			
	HERBICIDES				
94-75-7	2,4-D	ug/l			
93-72-1	SILVEX (2,4,5-TP)	ug/l			
75-99-0	DALAPON	ug/l			
1918-00-9	DICAMBA	ug/l			
120-36-5	DICHLOROPROP	ug/l			
88-85-7	DINOSEB	ug/l			
94-74-6	MCPA	ug/l			
93-65-2	MCPP	ug/l			
93-76-5	2,4,5-T	ug/l			
94-82-6	2,4 DB	ug/l			

NYSDEC-Pine Ave Site 2018 Site Investigation Validated Soil Analytical Data SDG: JC69877		Location ID: Depth: Sample ID: Lab Sample Id: Source: SDG: Matrix: Sampled: Validated:	FIELDQC PINE AVE-006-02 JC69877-2 ACCUTEST JC69877 WATER 7/12/2018 8:42 8/12/2018	FIELDQC PINE AVE-006-03 JC69877-3 ACCUTEST JC69877 WATER 7/12/2018 16:00 8/12/2018	FIELDQC TRIP BLANK JC69877-7 ACCUTEST JC69877 WATER 7/12/2018 16:00 8/12/2018
CAS NO.	COMPOUND	UNITS:			
	INORGANICS				
7429-90-5	ALUMINUM	ug/l			
7440-36-0	ANTIMONY	ug/l			
7440-38-2	ARSENIC	ug/l			
7440-39-3	BARIUM	ug/l			
7440-41-7	BERYLLIUM	ug/l			
7440-43-9	CADMIUM	ug/l			
7440-70-2	CALCIUM	ug/l			
7440-47-3	CHROMIUM, TOTAL	ug/l			
7440-48-4	COBALT	ug/l			
7440-50-8	COPPER	ug/l			
7439-89-6	IRON	ug/l			
7439-92-1	LEAD	ug/l			
7439-95-4	MAGNESIUM	ug/l			
7439-96-5	MANGANESE	ug/l			
7439-97-6	MERCURY	ug/l			
7440-02-0	NICKEL	ug/l			
9/7/7440	POTASSIUM	ug/l			
7782-49-2	SELENIUM	ug/l			
7440-22-4	SILVER	ug/l			
7440-23-5	SODIUM	ug/l			
7440-28-0	THALLIUM	ug/l			
7440-62-2	VANADIUM	ug/l			
7440-66-6	ZINC	ug/l			
57-12-5	CYANIDE	ug/l			
	DISSOLVED METALS				
7429-90-5	ALUMINUM	ug/l			
7440-36-0	ANTIMONY	ug/l			
7440-38-2	ARSENIC	ug/l			
7440-39-3	BARIUM	ug/l			
7440-41-7	BERYLLIUM	ug/l			
7440-43-9	CADMIUM	ug/l			
7440-70-2	CALCIUM	ug/l			
7440-47-3	CHROMIUM, TOTAL	ug/l			
7440-48-4	COBALT	ug/l			
7440-50-8	COPPER	ug/l			
7439-89-6	IRON	ug/l			
7439-92-1	LEAD	ug/l			
7439-95-4	MAGNESIUM	ug/l			
7439-96-5	MANGANESE	ug/l			
7439-97-6	MERCURY	ug/l			
7440-02-0	NICKEL	ug/l			
9/7/7440	POTASSIUM	ug/l			
7782-49-2	SELENIUM	ug/l			
7440-22-4	SILVER	ug/l			
7440-23-5	SODIUM	ug/l			
7440-28-0	THALLIUM	ug/l			
7440-62-2	VANADIUM	ug/l			
7440-66-6	ZINC	ug/l			

DATA USABILITY SUMMARY REPORT

2020 AND 2021 AIR SAMPLING

TIME 1-HOUR CLEANERS NYSDEC SITE # 932158

Prepared For:



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Environmental
Conservation**

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LIST OF ATTACHMENTS

ATTACHMENT A – VALIDATED LABORATORY DATA

SECTION 1 DATA USABILITY SUMMARY

Air samples were collected as part of the 2020 and 2021 sampling event from the Time 1-Hour Cleaners site on December 4, 2020 and April 23, 2021. Analytical results from these samples were validated and reviewed by Parsons for usability with respect to the following requirements:

- *National Functional Guidelines for Organic Superfund Methods Data Review*, USEPA 540-R-20-005, November 2020;
- USEPA Region 2 SOPs for Data Validation; and
- USEPA analytical methodologies.

The analytical laboratory for this project was Eurofins – Environment Testing America (Eurofins) in Knoxville, Tennessee. 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 8-10 days for these samples.

The laboratory data packages received from Eurofins 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 COC record, and received at Eurofins within three days of sampling. All samples were received intact and in good condition at Eurofins.

1.3 Laboratory Analytical Methods

The air samples were collected from the site and analyzed for volatile organic compounds (VOCs). Summaries of issues concerning this laboratory analysis are presented in Subsection 1.3.1. The data qualifications resulting from the data validation review and statements on the laboratory analytical precision, accuracy, representativeness, completeness, comparability, and sensitivity (PARCC) are discussed for each analytical method in Section 2 of this data usability summary report (DUSR). 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 Analysis

The air samples collected from the site were analyzed for VOCs using the USEPA TO-15 analytical method. Certain reported results for these samples were qualified as estimated based upon instrument calibrations and sample result identifications. The reported volatile analytical results were 100% complete (i.e., usable) for the data presented by Eurofins. PARCCS requirements were met.

SECTION 2 DATA VALIDATION REPORT

2.1 Air Samples

Data review has been completed for data packages generated by Eurofins containing air samples collected from the site. These samples were contained within sample delivery groups (SDGs) 140-21214-1 and 140-22843-1. All of these samples were properly preserved, shipped under a COC record, and received intact by the analytical laboratory. The validated laboratory data were tabulated and are presented in Attachment A.

Data validation was performed for all samples in accordance with the USEPA National Functional Guidelines for organic data review, USEPA Region 2 SOPs for data validation, and the analytical methodologies. 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
- Laboratory control sample (LCS) recoveries
- Laboratory method blank contamination
- GC/MS instrument performance
- Initial and continuing calibrations
- Internal standard responses
- Canister cleaning certification
- Quantitation limits
- Sample result identification
- Data completeness

These items were considered compliant and acceptable in accordance with the validation protocols with the exception of LCS recoveries, continuing calibrations, and sample result identifications as discussed below.

LCS Recoveries

All LCS recoveries were considered acceptable and within QC limits with the exception of the high LCS recoveries for bromomethane (134%R; QC limit 70-130%R) and carbon tetrachloride (133%R; QC limit 70-130%R) associated with samples collected on 4/23/21. Validation qualification was not required for the affected samples.

Continuing Calibrations

All continuing calibration compounds were compliant with minimum relative response factors of 0.05 and percent differences (%Ds) within $\pm 30\%$ with the exception of dichlorodifluoromethane (31%D) in the continuing calibration associated with all samples collected 12/04/20; 1,2-dichlorotetrafluoroethane (31.3%D), bromomethane (34.2%D), trichlorofluoromethane (39.3%D), tert-butyl alcohol (33.4%D), and carbon tetrachloride (33.3%D) in the continuing calibration associated with all samples collected on 04/23/21 except 2532-OA-42221-01; and trichlorofluoromethane (37.6%D) and tert-butyl alcohol (34.7%D) in the continuing calibration associated with sample 2532-OA-42221-01. Therefore, results for these compounds were

considered estimated with positive results qualified “J” and nondetected results qualified “UJ” for the affected samples.

Sample Result Identifications

It was noted that there was interference for chloromethane in samples collected on 12/02/20 with the exception of samples 2532-IA-120420-01 and 2532-OA-120420-01 suggesting a high bias. Therefore, positive results for this compound were considered estimated, possibly biased high, and qualified “J+” for the affected samples.

Usability

All volatile results for the air samples 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 data presented by Eurofins were 100% complete (i.e., usable) for the air samples. The validated laboratory data are tabulated and presented in Attachment A.

ATTACHMENT A – VALIDATED LABORATORY DATA

		Location ID: Sample ID: Sample Type: Matrix: SDG: Lab Sample ID: Sampled:	2532-OA-120420-01 FB AI 140212141 140-21214-6 12/4/2020	2865E-IA 2532-IA-120420-01 N AI 140212141 140-21214-1 12/4/2020	2865E-IA 2532-IA-120420-02 N AI 140212141 140-21214-2 12/4/2020	2865E-IA 2532-IA-120420-03 N AI 140212141 140-21214-3 12/4/2020	2865E-IA 2532-IA-120420-04 N AI 140212141 140-21214-4 12/4/2020	2865E-IA 2532-IA-120420-05 N AI 140212141 140-21214-5 12/4/2020
Method	CAS_RN	Chemical Name	Unit					
TO15	71-55-6	1,1,1-Trichloroethane (TCA)	ug/m3	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U
TO15	79-34-5	1,1,2,2-Tetrachloroethane	ug/m3	0.55 U	0.55 U	0.55 U	0.55 U	0.55 U
TO15	76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	0.61 U	0.61 U	0.61 U	0.65 U	0.61 U
TO15	79-00-5	1,1,2-Trichloroethane	ug/m3	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U
TO15	75-34-3	1,1-Dichloroethane	ug/m3	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U
TO15	75-35-4	1,1-Dichloroethene	ug/m3	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U
TO15	120-82-1	1,2,4-Trichlorobenzene	ug/m3	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U
TO15	95-63-6	1,2,4-Trimethylbenzene	ug/m3	0.39 U	0.45 U	0.54 U	0.41 U	0.39 U
TO15	106-93-4	1,2-Dibromoethane (Ethylene Dibromide)	ug/m3	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U
TO15	95-50-1	1,2-Dichlorobenzene	ug/m3	0.48 U	0.48 U	0.48 U	0.48 U	0.48 U
TO15	107-06-2	1,2-Dichloroethane	ug/m3	0.32 U	0.32 U	0.32 U	2.2	0.32 U
TO15	78-87-5	1,2-Dichloropropane	ug/m3	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U
TO15	76-14-2	1,2-Dichlorotetrafluoroethane	ug/m3	0.56 U	0.56 U	0.56 U	0.56 U	0.56 U
TO15	108-67-8	1,3,5-Trimethylbenzene (Mesitylene)	ug/m3	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U
TO15	541-73-1	1,3-Dichlorobenzene	ug/m3	0.48 U	0.48 U	0.48 U	0.48 U	0.48 U
TO15	106-46-7	1,4-Dichlorobenzene	ug/m3	0.48 U	0.48 U	0.48 U	0.48 U	0.48 U
TO15	123-91-1	1,4-Dioxane (P-Dioxane)	ug/m3	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U
TO15	540-84-1	2,2,4-Trimethylpentane	ug/m3	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U
TO15	71-43-2	Benzene	ug/m3	0.5	1.4	1.5	1	0.77
TO15	100-44-7	Benzyl Chloride	ug/m3	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U
TO15	75-27-4	Bromodichloromethane	ug/m3	0.54 U	0.54 U	0.54 U	0.54 U	0.54 U
TO15	75-25-2	Bromoform	ug/m3	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U
TO15	74-83-9	Bromomethane	ug/m3	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U
TO15	56-23-5	Carbon Tetrachloride	ug/m3	0.5	0.37	0.41	0.52	0.54
TO15	108-90-7	Chlorobenzene	ug/m3	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U
TO15	75-00-3	Chloroethane	ug/m3	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U
TO15	67-66-3	Chloroform	ug/m3	0.39 U	1.9	1.9	1.4	1.8
TO15	74-87-3	Chloromethane	ug/m3	1.1 J+	1.1 J+	1.2 J+	4.4 J+	4.2 J+
TO15	156-59-2	Cis-1,2-Dichloroethylene	ug/m3	0.16 U	4.8	5	0.71	0.54
TO15	10061-01-5	Cis-1,3-Dichloropropene	ug/m3	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U
TO15	110-82-7	Cyclohexane	ug/m3	0.69 U	0.96	0.99	0.69 U	0.69 U
TO15	124-48-1	Dibromochloromethane	ug/m3	0.68 U	0.68 U	0.68 U	0.68 U	0.68 U
TO15	75-71-8	Dichlorodifluoromethane	ug/m3	1 J	1.1 J	1.1 J	0.9 J	0.93 J
TO15	64-17-5	Ethanol	ug/m3	16	1700	1800	6700	6500
TO15	100-41-4	Ethylbenzene	ug/m3	0.35 U	0.53	0.54	0.43	0.35 U
TO15	87-68-3	Hexachlorobutadiene	ug/m3	0.85 U	0.85 U	0.85 U	0.85 U	0.85 U
TO15	179601-23-1	m,p-Xylene	ug/m3	0.41	2	2.1	1.3	0.79
TO15	78-93-3	Methyl Ethyl Ketone (2-Butanone)	ug/m3	0.94 U	0.94 U	3.3	5.9	7.2
TO15	108-10-1	Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	ug/m3	0.82 U	0.82 U	0.82 U	1.1	0.86
TO15	75-09-2	Methylene Chloride	ug/m3	1.8	4.8	1.8	1.8	1.5
TO15	91-20-3	Naphthalene	ug/m3	1 U	1 U	1 U	1 U	1 U
TO15	110-54-3	N-Hexane	ug/m3	0.7 U	3.7	3.6	1.8	1.5
TO15	95-47-6	O-Xylene (1,2-Dimethylbenzene)	ug/m3	0.35 U	0.65	0.69	0.45	0.35 U
TO15	100-42-5	Styrene	ug/m3	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U
TO15	75-65-0	Tert-Butyl Alcohol	ug/m3	0.97 U	0.97 U	1	5	6
TO15	1634-04-4	Tert-Butyl Methyl Ether	ug/m3	0.58 U	0.58 U	0.58 U	0.58 U	0.58 U
TO15	127-18-4	Tetrachloroethylene (PCE)	ug/m3	0.54 U	1.8	1.8	1	0.54 U
TO15	108-88-3	Toluene	ug/m3	0.95	5.4	5	18	21
TO15	156-60-5	Trans-1,2-Dichloroethene	ug/m3	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U
TO15	10061-02-6	Trans-1,3-Dichloropropene	ug/m3	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U
TO15	79-01-6	Trichloroethylene (TCE)	ug/m3	0.19 U	2	1.2	3.3	0.22
TO15	75-69-4	Trichlorofluoromethane	ug/m3	1.4	6.1	6.2	2.9	3.1
TO15	75-01-4	Vinyl Chloride	ug/m3	0.1 U	5	5.2	0.62	0.71

			Location ID: Sample ID: Sample Type: Matrix: SDG: Lab Sample ID: Sampled:	2532-OA-42221-01 FB AO 140228431 140-22843-6 4/23/2021	2865E-IA 2532-IA-42221-01 N AI 140228431 140-22843-1 4/23/2021	2865E-IA 2532-IA-42221-02 N AI 140228431 140-22843-2 4/23/2021	2865E-IA 2532-IA-42221-03 N AI 140228431 140-22843-3 4/23/2021	2865E-IA 2532-IA-42221-04 N AI 140228431 140-22843-4 4/23/2021	2865E-IA 2532-IA-42221-05 N AI 140228431 140-22843-5 4/23/2021
Method	CAS_RN	Chemical Name	Unit						
TO15	71-55-6	1,1,1-Trichloroethane (TCA)	ug/m3	0.44 U	8.7 U	8.7 U	8.7 U	8.7 U	8.7 U
TO15	79-34-5	1,1,2,2-Tetrachloroethane	ug/m3	0.55 U	11 U	11 U	11 U	11 U	11 U
TO15	76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	0.63 U	12 U	12 U	12 U	12 U	12 U
TO15	79-00-5	1,1,2-Trichloroethane	ug/m3	0.44 U	8.7 U	8.7 U	8.7 U	8.7 U	8.7 U
TO15	75-34-3	1,1-Dichloroethane	ug/m3	0.32 U	6.5 U	6.5 U	6.5 U	6.5 U	6.5 U
TO15	75-35-4	1,1-Dichloroethene	ug/m3	0.16 U	3.2 U	3.2 U	3.2 U	3.2 U	3.2 U
TO15	120-82-1	1,2,4-Trichlorobenzene	ug/m3	0.59 U	12 U	12 U	12 U	12 U	12 U
TO15	95-63-6	1,2,4-Trimethylbenzene	ug/m3	0.39 U	7.9 U	7.9 U	7.9 U	7.9 U	7.9 U
TO15	106-93-4	1,2-Dibromoethane (Ethylene Dibromide)	ug/m3	0.61 U	12 U	12 U	12 U	12 U	12 U
TO15	95-50-1	1,2-Dichlorobenzene	ug/m3	0.48 U	9.6 U	9.6 U	9.6 U	9.6 U	9.6 U
TO15	107-06-2	1,2-Dichloroethane	ug/m3	0.32 U	6.5 U	6.5 U	6.5 U	6.5 U	6.5 U
TO15	78-87-5	1,2-Dichloropropane	ug/m3	0.37 U	7.4 U	7.4 U	7.4 U	7.4 U	7.4 U
TO15	76-14-2	1,2-Dichlorotetrafluoroethane	ug/m3	0.56 U	11 UJ	11 UJ	11 UJ	11 UJ	11 UJ
TO15	108-67-8	1,3,5-Trimethylbenzene (Mesitylene)	ug/m3	0.39 U	7.9 U	7.9 U	7.9 U	7.9 U	7.9 U
TO15	541-73-1	1,3-Dichlorobenzene	ug/m3	0.48 U	9.6 U	9.6 U	9.6 U	9.6 U	9.6 U
TO15	106-46-7	1,4-Dichlorobenzene	ug/m3	0.48 U	9.6 U	9.6 U	9.6 U	9.6 U	9.6 U
TO15	123-91-1	1,4-Dioxane (P-Dioxane)	ug/m3	0.72 U	14 U	14 U	14 U	14 U	14 U
TO15	540-84-1	2,2,4-Trimethylpentane	ug/m3	1.7 U	19 U	19 U	19 U	19 U	19 U
TO15	71-43-2	Benzene	ug/m3	0.58 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U
TO15	100-44-7	Benzyl Chloride	ug/m3	0.83 U	17 U	17 U	17 U	17 U	17 U
TO15	75-27-4	Bromodichloromethane	ug/m3	0.54 U	11 U	11 U	11 U	11 U	11 U
TO15	75-25-2	Bromoform	ug/m3	0.83 U	17 U	17 U	17 U	17 U	17 U
TO15	74-83-9	Bromomethane	ug/m3	0.31 U	6.2 UJ	6.2 UJ	6.2 UJ	6.2 UJ	6.2 UJ
TO15	56-23-5	Carbon Tetrachloride	ug/m3	0.55 U	4 UJ	4 UJ	4 UJ	4 UJ	4 UJ
TO15	108-90-7	Chlorobenzene	ug/m3	0.37 U	7.4 U	7.4 U	7.4 U	7.4 U	7.4 U
TO15	75-00-3	Chloroethane	ug/m3	0.21 U	4.2 U	4.2 U	4.2 U	4.2 U	4.2 U
TO15	67-66-3	Chloroform	ug/m3	0.39 U	7.8 U	7.8 U	7.8 U	7.8 U	7.8 U
TO15	74-87-3	Chloromethane	ug/m3	1.4 U	8.3 U	8.3 U	8.3 U	8.3 U	8.3 U
TO15	156-59-2	Cis-1,2-Dichloroethylene	ug/m3	0.16 U	3.7 U	3.8 U	3.2 U	3.2 U	3.2 U
TO15	10061-01-5	Cis-1,3-Dichloropropene	ug/m3	0.36 U	7.3 U	7.3 U	7.3 U	7.3 U	7.3 U
TO15	110-82-7	Cyclohexane	ug/m3	0.69 U	14 U	14 U	14 U	14 U	14 U
TO15	124-48-1	Dibromochloromethane	ug/m3	0.68 U	14 U	14 U	14 U	14 U	14 U
TO15	75-71-8	Dichlorodifluoromethane	ug/m3	1.1 U	7.9 U	7.9 U	7.9 U	7.9 U	7.9 U
TO15	64-17-5	Ethanol	ug/m3	22 U	3000 U	3000 U	13000 U	15000 U	16000 U
TO15	100-41-4	Ethylbenzene	ug/m3	0.35 U	6.9 U	6.9 U	6.9 U	6.9 U	6.9 U
TO15	87-68-3	Hexachlorobutadiene	ug/m3	0.85 U	17 U	17 U	17 U	17 U	17 U
TO15	179601-23-1	m,p-Xylene	ug/m3	0.59 U	6.9 U	6.9 U	6.9 U	6.9 U	6.9 U
TO15	78-93-3	Methyl Ethyl Ketone (2-Butanone)	ug/m3	0.94 U	19 U	19 U	19 U	19 U	19 U
TO15	108-10-1	Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	ug/m3	0.82 U	16 U	16 U	16 U	16 U	16 U
TO15	75-09-2	Methylene Chloride	ug/m3	2.1 U	28 U	28 U	28 U	28 U	28 U
TO15	91-20-3	Naphthalene	ug/m3	1 U	21 U	21 U	21 U	21 U	21 U
TO15	110-54-3	N-Hexane	ug/m3	2.7 U	14 U	14 U	14 U	14 U	14 U
TO15	95-47-6	O-Xylene (1,2-Dimethylbenzene)	ug/m3	0.35 U	6.9 U	6.9 U	6.9 U	6.9 U	6.9 U
TO15	100-42-5	Styrene	ug/m3	0.34 U	6.8 U	6.8 U	6.8 U	6.8 U	6.8 U
TO15	75-65-0	Tert-Butyl Alcohol	ug/m3	0.97 UJ	19 UJ	19 UJ	19 UJ	19 UJ	19 UJ
TO15	1634-04-4	Tert-Butyl Methyl Ether	ug/m3	0.58 U	12 U	12 U	12 U	12 U	12 U
TO15	127-18-4	Tetrachloroethylene (PCE)	ug/m3	0.54 U	11 U	11 U	11 U	11 U	11 U
TO15	108-88-3	Toluene	ug/m3	1.5 U	12 U	12 U	9 U	9 U	9 U
TO15	156-60-5	Trans-1,2-Dichloroethene	ug/m3	0.32 U	6.3 U	6.3 U	6.3 U	6.3 U	6.3 U
TO15	10061-02-6	Trans-1,3-Dichloropropene	ug/m3	0.36 U	7.3 U	7.3 U	7.3 U	7.3 U	7.3 U
TO15	79-01-6	Trichloroethylene (TCE)	ug/m3	0.19 U	3.9 U	3.9 U	3.9 U	3.9 U	3.9 U
TO15	75-69-4	Trichlorofluoromethane	ug/m3	1.5 J	9 UJ	9 UJ	9 UJ	9 UJ	10 J
TO15	75-01-4	Vinyl Chloride	ug/m3	0.1 U	2.8 U	2.8 U	2 U	2 U	2 U