DECEMBER 2018

New York State Department of Environmental Conservation

Division of Environmental Remediation

25 Field Court Site

Site Characterization Report

Site No. 356055







D&B Engineers and Architects, P.C.

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SITE CHARACTERIZATION REPORT

25 FIELD COURT SITE
CITY OF KINGSTON, ULSTER COUNTY, NEW YORK
SITE NO. 356055

WORK ASSIGNMENT NO. D007620-39

Prepared for:

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF ENVIRONMENTAL REMEDIATION

Prepared by:

D&B ENGINEERS AND ARCHITECTS, P.C.

DECEMBER 2018

CERTIFICATIONS

I, Richard M. Walka, certify that I am currently a Qualified Environmental Professional as defined in 6 NYCRR Part 375 and that this Site Characterization 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 any DER-approved modifications.

RICHARD M. WALKA	DECEMBER 20, 2018	Richard M. Walka
Name of QEP	Date	Signature

SITE CHARACTERIZATION REPORT
25 FIELD COURT SITE

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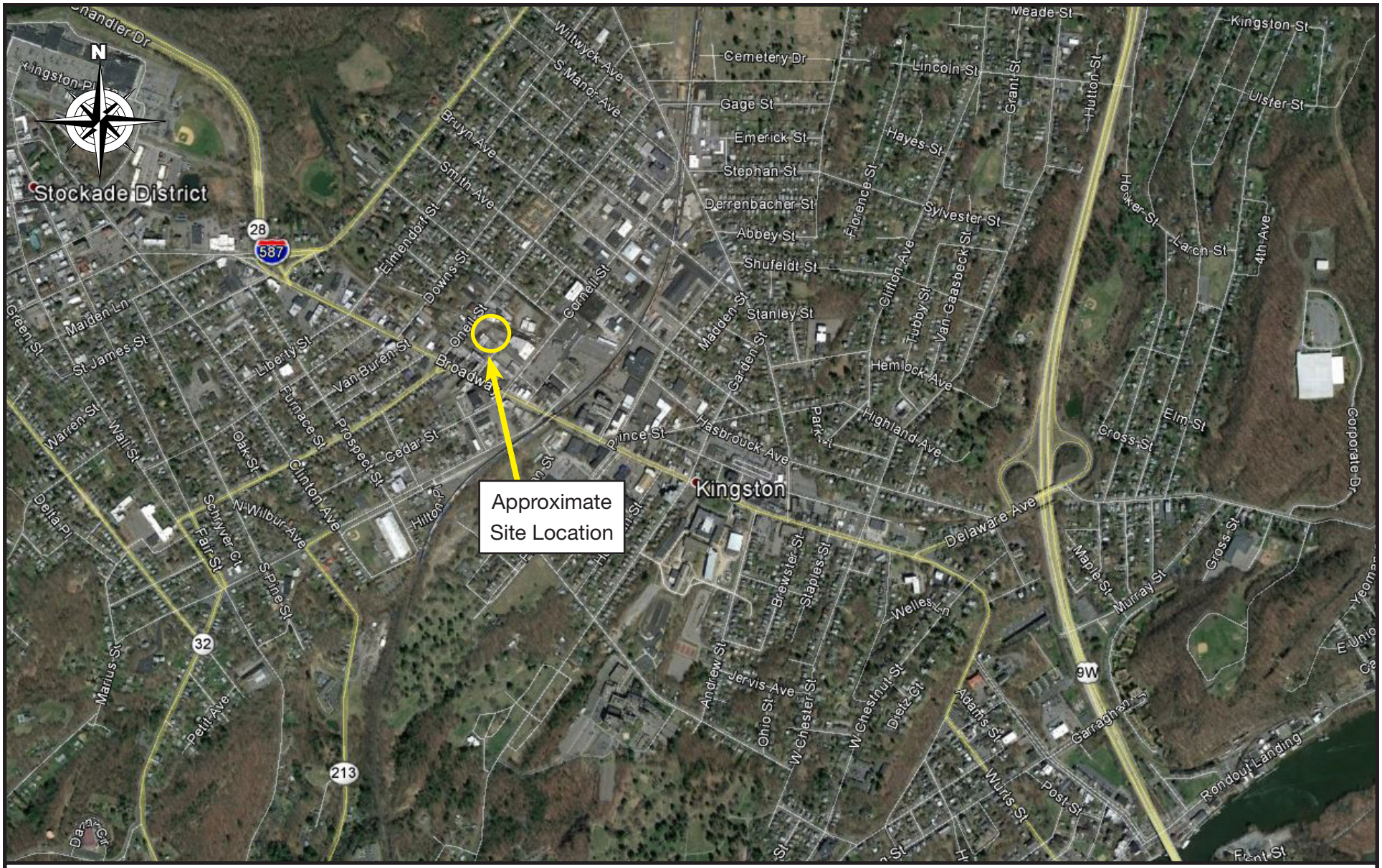
1.0 INTRODUCTION

In accordance with the New York State Department of Environmental Conservation (NYSDEC)-approved Scope of Work dated May 25, 2018, D&B Engineers and Architects, P.C. (D&B) has completed a Site Characterization (SC) for the 25 Field Court Site (the Site) located in Kingston, New York (refer to Figure 1-1). The SC activities consisted of a records search and a site investigation and were completed between March 2018 and August 2018. This Site Characterization Report (SCR) presents the results of the SC and has been completed in accordance with the requirements of NYSDEC Division of Environmental Remediation's (DER) Technical Guidance for Site Investigation and Remediation, dated May 2010 (DER-10).

The SC was performed with funds allocated under the New York State Superfund Program. The NYSDEC issued a Work Assignment (WA No. D007620-39) to D&B under D&B's Standby Contract for Engineering Services (Contract No. D007620) with the NYSDEC to conduct the SC activities.

During an investigation of the 25 Field Court property in August 2009 for a real estate transaction, tetrachloroethylene (PCE) and trichloroethylene (TCE) were detected at concentrations above standards, criteria, and guidance (SCG) values in groundwater, soil, and soil vapor. In response, Spill No. 0905668 was assigned by the NYSDEC which was subsequently closed in May 2014. Limited investigations have been performed at surrounding properties which have detected similar contamination of chlorinated solvents in groundwater and soil vapor, however the possible sources of this contamination have not been determined. The NYSDEC requested a SC in December 2017 to further evaluate the source of the contamination. As such, the purpose of this SC was to determine the following: 1) the likely source(s) of the chlorinated solvent contamination; 2) whether the contamination poses a threat to public health and/or the environment; and, 3) if any threat posed by the contamination requires further investigation.



D&B Engineers and Architects, P.C.

25 FIELD COURT SITE
SITE CHARACTERIZATION

SITE LOCATION MAP

FIGURE 1-1

2.0 SITE DESCRIPTION AND HISTORY

2.1 Site Description

The SC focused on the property located at 25 Field Court, Kingston, New York (see Figure 2-1). The Site is located in an area characterized by industrial, residential, and commercial land use. The Site is relatively flat with elevations ranging from approximately 180 to 185 feet above mean sea level. Access was granted to the NYSDEC to sample adjacent properties to aid the characterization of the Field Court Site.

25 Field Court, identified as Ulster County Tax ID 56.25-3-35, is a commercial property made up of an approximately 1.5-acre rectangular shaped lot, with one approximately 12,289 square-foot irregularly-shaped single-story brick building. The property is currently vacant. The exterior surfaces of the 25 Field Court property are covered with concrete and asphalt, and the utilities include gas, electric, water and sewer. The interior of the Site building had multiple rooms with tile and raised wood floors, sheetrock and wood panel walls, and drop tile ceilings. Available historic information for the Site, which is further discussed in Section 2.4, suggests that 25 Field Court was previously occupied by a drapery manufacturing facility, an automobile repair facility, a tire service and welding facility, and a welding and lawn mower repair facility.

2.2 Site Geology and Hydrogeology

According to the Geologic Map of New York, Lower Hudson Sheet (NYS Museum and Science Service Map and Chart Series No. 15, March 1970, reprinted 1995), the Site is underlain by lacustrine delta deposits overlying bedrock. Specifically, the mapping units present in the vicinity of the Site are identified as the Glenerie formation, which is described as Devonian in age and consists of limestone and chert. Information regarding depth to bedrock was not readily available.



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25 FIELD COURT
SITE CHARACTERIZATION

SITE PLAN

SCALE: 1"=40'

FIGURE 2-1

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. Soil maps, based on the State Soil Geographic (STATSGO) database, are compiled by generalizing more detailed Soil Survey Geographic (SSURGO) database maps. According to the STATSGO data, the soil component in the vicinity of the Site is identified as Riverhead fine sandy loam, with 0 to 3 percent slopes. Riverhead fine sandy loam is described as being predominantly made up of loamy glaciofluvial deposits overlying stratified sand and gravel.

Based on information gathered during the SC, the depth to groundwater throughout the Site ranges from approximately 17 to 19 feet below ground surface (bgs). Based on measured groundwater elevations, the localized groundwater flow direction is in a southwesterly direction. Groundwater elevation data and a groundwater surface elevation contour map are provided in Appendix A.

2.3 Environmental Investigation/Remediation History

Available documentation related to environmental investigations and remedial history were reviewed for the Site and surrounding properties and are summarized below. Reviewed documents and reports related to these properties are provided in Appendix B.

25 Field Court

A Phase I Environmental Impact Assessment (ESA) was prepared for 25 Field Court, dated May 2009. This Phase I ESA identified recognized environmental conditions for the property, including: potential environmental impacts to the subsurface from a historic automotive repair facility on the north-northwest side of the property; potential environmental impacts from adjoining and surrounding industrial properties, including a railroad and manufacturing facilities; and, potential environmental impacts from a historic gasoline tank identified by a Fire Insurance Map adjoining the property to the north.

In August 2009, the NYSDEC was notified of the results of a Phase II investigation performed at 25 Field Court on behalf of a potential buyer, in which exceedances of PCE and TCE were detected in soil vapor and groundwater. In response, Spill No. 0905668 was assigned by the NYSDEC to the property. Groundwater analytical results from three on-site monitoring wells (SB-2, SB-3, and SB-5), all located within the Site's western parking lot, were available for review from a June 2009 technical report. The samples were analyzed for Volatile Organic Compounds (VOCs) via United States Environmental Protection Agency (USEPA) Method 8260, semi-volatile organic compounds (SVOCs) Spills Technology and Remediation Series (STARS) list via USEPA Method 8270, and Resource Conservation Recovery Act (RCRA) Metals via USEPA Method 6010B/7470. PCE and TCE were detected above NYSDEC ambient water quality standards within the three groundwater sample locations.

A July 2009 Technical Report prepared by York Analytical Laboratories Inc. presented the results of groundwater samples collected from seven locations (OA-SB-2, OA-SB-3, OA-SB-5, OA-SB-8, OA-SB-10, OA-SB-11, and OA-SB-13) at the 25 Field Court property. The groundwater samples were analyzed for VOCs via USEPA Method 8260, in which concentrations of PCE and TCE were detected above NYSDEC ambient groundwater quality standards at all seven groundwater samples. A July 2009 Spectrum Analytical Inc. report presented the results for sub-slab soil gas samples collected from three locations (OA-SS-001, OA-SS-002, and OA-SS-003). The sub-slab soil vapor samples were analyzed for VOCs via USEPA TO-15. Multiple VOCs, including PCE, were detected at each sample location. The sample results from these analytical reports was included in an August 2009 Phase II supplemental report by the Chazen Companies.

NYSDEC performed groundwater sampling at 25 Field Court in December 2017. Groundwater was collected from three sample locations (PZ01, PZ03, and PZ06) and analyzed for VOCs via USEPA Method 8260. Groundwater sample results detected PCE exceeding NYSDEC ambient water quality standards in all three sample locations and TCE exceeding NYSDEC ambient water quality standards in two of the three sample locations.

18 O'Neil Street & 11 Field Court

In June 1997, a spill (NYSDEC Spill Number 9702813) was reported from leaking drums of paint thinner discovered in the back of a residential property, located south southwest of the 25 Field Court property. It was determined that the responsible party was an adjacent woodworking / furniture manufacturing warehouse located at 11 Field Court. The drums were stabilized and disposed of off-site, and this spill was closed in June 1997.

Ulster County/Kingston Rail Yard

A Phase II Environmental Site Assessment (ESA) of the Ulster County Rail Yard, was prepared for the United States Environmental Protection Agency (USEPA) under the Region 2 Remedial Action Contract dated July 2017. This property was an active switchyard from 1900 through 1979, after which it was purchased by Ulster County to be used as a tourist railroad, as well as utilized for mechanical repair and equipment and parts storage. The property consisted of railroad switches, oil-containing drums, scrap piles, and rail cars containing mechanical parts and equipment until May 2016, after which all materials and storage were removed from the railyard. The Phase II ESA included a limited geophysical survey, surface soil samples, soil boring samples, and groundwater samples through temporary monitoring wells.

The limited geophysical survey utilized ground-penetrating radar (GPR), electromagnetic (EM) conductivity, and utility detection equipment to identify utilities, underground storage tanks (USTs), piping, and other subsurface anomalies, as well as to clear boring locations. The limited geophysical survey resulted in the identification of buried electric conduits, telecommunication, and natural gas utilities, as well as the identification of five metallic anomalies of varying sizes, the largest one approximately 100 feet long by 25 feet wide. No USTs were detected by the limited geophysical survey.

Surface soil samples were collected at 11 locations within the property, at depths ranging from 0 to 0.5 feet below ground surface (bgs). Metals and polycyclic aromatic hydrocarbons

(PAHs) were detected in the surface soils throughout the property exceeding NYSDEC soil cleanup objectives for unrestricted use.

Subsurface soil samples were collected at the corresponding locations of the 11 surface soil samples, at depth intervals ranging from 1 to 22 feet bgs. Two shallow soil samples, collected between 1 and 2 feet bgs, detected metals and PAHs exceeding NYSDEC soil cleanup objectives for unrestricted use and for the protection of groundwater. One of these shallow soil samples had concentrations of PCE above NYSDEC soil cleanup objectives for unrestricted use. In addition, two soil subsurface soil samples had concentrations of PCBs above NYSDEC soil cleanup objectives for unrestricted use at a depth interval of 3 to 4 feet bgs and 18 to 20 feet bgs.

Groundwater samples were collected at three temporary monitoring well locations at a depth of 25 feet bgs. All groundwater samples detected VOCs, including PCE and TCE, and metals at concentrations exceeding NYSDEC ambient water quality standards.

2.4 Records Search

To assist in identifying possible source(s) of the identified chlorinated solvent groundwater contamination, current and historic records, including fire insurance maps, aerial photographs, and regulatory agency databases were reviewed for information regarding the operational history of the Site, as well as surrounding properties. A summary of the records search is presented below.

Fire Insurance Maps

Historical fire insurance maps were reviewed for the study area to identify historical land use that may have involved hazardous substances. The NYSDEC and Ulster County provided the maps for the years spanning 1887 through 1987. These Fire Insurance Maps and Environmental Data Resources, Inc. (EDR) Certified Sanborn® Map Report is provided in Appendix C. Properties with historical land use that may have involved hazardous substances identified through review of the Fire Insurance Maps are listed below:

- A tire service & welding facility identified on the Site on a 1950 map, and a welding & lawn mower repair facility located on the Site on a 1957 map.
- An auto repair facility identified on the Site property on a 1972, 1984, and 1987 maps.
- A building identified as a shirt factory approximately 50 feet southwest of the Site on maps dated 1950 through 1987.
- A building identified as "auto body repair" was located approximately 100 feet northwest of the Site on the 1950 and 1957 maps.
- A coal yard approximately 150 feet northwest of the Site following the railroad tracks was identified on maps from 1950 through 1957.
- A property approximately 200 feet southeast of the Site identified as a laundry facility in an 1899 map, and a clothing manufacturer on maps dated 1950 and 1957.
- An oil storage facility identified approximately 250 feet northwest of the Site on maps dated 1972 through 1987.
- A lumber and coal yard identified approximately 350 feet southeast of the Site between Cornell Street and Thomas Street on maps dated 1899 through 1987.
- A property identified as a dress factory approximately 350 feet north of the Site on maps dated 1950 and 1957.
- A shirt manufacturer identified approximately 550 feet northeast of the Site on maps with dates ranging from 1950 through 1987.

Aerial Photographs

Aerial photographs were reviewed for the study area to identify historical land use that may have involved hazardous substances. EDR provided the photographs for the years spanning 1958 through 2011. The EDR Aerial Photo Decade Package is provided in Appendix C. No properties with historical land use that may have involved hazardous substances were identified through review of the aerial photographs.

Regulatory Agency Databases

Regulatory agency databases, including federal, state, tribal and local records, were reviewed for the study area for information regarding documented and/or suspected releases of

hazardous substances or historical land use that may have involved hazardous substances. A copy of EDR's Radius Map™ Report with GeoCheck® is provided in Appendix C. A summary of the properties of interest resulting from the historical record review based on site operational history, land use, location relative to the Site, etc. are listed below.

- The Site (25 Field Court) was identified in the NY Spills database due to discovered PCE and TCE contamination in groundwater, soil, and soil vapor. Information provided in the NY Spills database describes the Site as a former drapery manufacturing facility.

- 18 O'Neil Street, located adjoining the Site to the south-southwest, was identified in the NY Spills database due to abandoned drums discovered at the property.

- 29 O'Neil Street, located adjoining the Site to the northwest, was identified in the RCRA-CESQG, MANIFESTS, FINDS, US AIRS databases. This property is listed as having generated various wastes, including but not limited to PCE, TCE, methylene chloride, carbon tetrachloride, chlorobenzene, benzene, toluene, and MEK.

- 11 Field Court, located adjoining the Site to the west-southwest, was identified in the RCRA NonGen/NLR, NY MANIFEST, FINDS, and ECHO databases. This property is listed as a non-upholstered wood household furniture manufacturing site. Listed as having generated non-listed ignitable wastes.

- 625 Broadway, located approximately 0.109 miles west-southwest of the Site, was identified in the EDR Hist Cleaner, NY LTANKS, and NY Spills databases. The Site is listed as a former drycleaner, and has a historic spill related to leaking petroleum underground storage tanks.

- 624 Broadway, located approximately 0.085 miles west-southwest of the Site, was identified in the EDR Hist Cleaner database as a dry cleaning plant.

- 117 Tremper Avenue, located approximately 0.093 miles northeast of the Site, was identified in the RCRA NonGen/NLR, NY MANIFEST, FINDS, and ECHO databases. The property is listed to have generated various wastes including, but not limited to: PCE, TCE, methylene chloride, carbon tetrachloride, xylene, acetone, and MEK.

- 77 Cornell Street, located approximately 0.149 miles east-northeast of the Site, was identified in the NY DRYCLEANERS, RCRA NonGen/NLR, NY MANIFEST, FINDS, and ECHO databases. This property is reported to have generated various wastes, including but not limited to PCE, TCE, methylene chloride, and carbon tetrachloride.

- 17 Dederick Street, located approximately 0.197 miles east-southeast of the Site, was identified in the RCRA NonGen/NLR, NY MANIFEST, FINDS, and ECHO databases.

This property is listed as having generated various chemicals including halogenated solvents and non-ignitable wastes.

- 85 Grand Street, located approximately 0.334 miles east-northeast of the Site, was identified by the NY VCP, NY LTANKS, NY Spills, RCRA NonGen/NLR, and NY MANIFEST databases. This property was historically used for various automotive and industrial purposes. Chlorinated VOCs, SVOCs, and PCBs have been identified in the soil and storm sewer sediment at this property; and metals and VOCs have been identified in groundwater at this property. The primary compounds of concern at this property include PCE and TCE.

3.0 SITE INVESTIGATION

The SC field activities were completed by D&B and its subcontractors between June 2018 and August 2018. The SC field activities were completed in accordance with the NYSDEC approved Scope of Work, dated May 25, 2018, and subsequent approved modifications during the implementation of the field activities. The following activities were performed:

- Mobilization
- Geophysical Survey
- Soil Vapor, Sub-Slab Soil Vapor, Indoor Air & Outdoor Air Sampling
- Dry Well Sediment Sampling
- Shallow Soil Sampling
- Subsurface Soil Sampling
- Discrete-Depth Groundwater Sampling
- Groundwater Monitoring Well Installation
- Well Development
- Water Level Measurements
- Groundwater Monitoring Well Sampling
- Site Survey
- Investigation Derived Waste Disposal

The scope of completed field activities and methods are discussed below. A sample location map is provided as Figure 3-1, which depicts the locations of all soil vapor samples, sub-slab soil vapor samples, indoor air samples, outdoor air samples, dry well sediment samples, soil samples, discrete depth groundwater samples, and groundwater monitoring well samples. Due to field conditions and/or the presence of underground utilities, modifications to the scope of work



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25 FIELD COURT
SITE CHARACTERIZATION

SAMPLE LOCATION MAP

SCALE: 1"=40'

FIGURE 3-1

were necessary, including the relocation of several sample locations. All such modifications were approved in advance of the SC field activities by NYSDEC and are discussed below in the appropriate sections.

3.1 Site Characterization Field Activities

Mobilization

The following permits, approvals, and/or notifications were obtained or completed by either D&B, D&B's subcontractor, or NYSDEC as part of the project:

- City of Kingston Department of Public Works, Street/Sidewalk Excavation Permit.
- New York 811 and Non-member Utility Companies, Utility Mark-out Request
- Ulster County Department of Public Works, Railyard Access Request

Geophysical Survey

Prior to undertaking any intrusive activities, a geophysical survey was completed on June 28, 2018 by Nova Geophysical Services (NOVA) to: 1) verify the locations of known underground utilities that were identified by New York 811 and non-member utility companies; 2) identify and mark the location of any unknown/unmarked utilities or subsurface structures; and, 3) clear each proposed subsurface sampling location prior to drilling. The geophysical survey was performed using non-intrusive locating techniques including ground penetrating radar and an electromagnetic utility locating system. All utilities and/or structures that were identified during the survey were marked on the ground using standard utility color codes. A location for each proposed subsurface sampling location, which was clear of utilities and subsurface structures and suitable for a utility clearance test pit and drilling was identified in white on the ground surface. A geophysical anomaly was identified on the western side of 25 Field Court, adjacent to O'Neil Street. Utility survey logs generated by NOVA are provided in Appendix D.

Soil Vapor, Sub-Slab Soil Vapor, Indoor Air & Outdoor Air Sampling

Four sub-slab soil vapor samples (FCSS-01 through FCSS-04) were collected within the Site building and four soil vapor probes (FCSV-01 through FCSV-04) were installed in the exterior of the Site. In addition, two indoor air samples were collected corresponding to sub-slab soil vapor sample locations (FCSS-02A and FCSS-03A), and one outdoor ambient air sample was collected (FCAA-01). Sub-slab soil vapor, soil vapor, indoor air and outdoor ambient air samples were collected to evaluate the potential for soil vapor intrusion at the Site, and to evaluate the potential for exposures within the existing on-site building. The sub-slab soil vapor and soil vapor points were installed by Aztech Technologies (Aztech) on July 11, 2018, and the sub-slab soil vapor, soil vapor, indoor air, and outdoor ambient air samples were collected on the same day. The sample locations are presented on Figure 3-1.

Prior to performing the sub-slab soil vapor sampling, an indoor air quality questionnaire and building inventory was completed by D&B to evaluate the type of structure, floor layout and physical conditions of the Site building, as well as identify and minimize conditions that may have affected or interfered with testing. A parts per billion (ppb) range PID was used to evaluate potential interferences. This indoor air quality questionnaire and building inventory are provided in Appendix E.

In addition, the building floor was inspected for any penetrations. The sub-slab vapor probe locations were chosen to ensure minimal potential for ambient air infiltration via floor penetrations. The flooring was saw-cut and the concrete slab was cored at each sub-slab sample location. The sub-slab soil vapor samples were collected using tubing from two inches beneath the concrete slab. The soil vapor probe was purged using a low-flow sample pump to evacuate 3 volumes of soil vapor. A PID was utilized to record volatile organic compound (VOC) concentrations from the soil vapor probes in ppb at the start and end of sample collection. The sub-slab soil vapor samples were collected in batch certified clean 6-liter SUMMA canisters fitted with laboratory calibrated low-flow regulators that were set to collect the sample over a 2-hour period. Helium was used as a tracer gas to ensure that an adequate surface seal was created during sampling.

Aztech installed the soil vapor probes using a track-mounted Geoprobe® 3230DT drill rig and direct-push drilling methods. The soil vapor probes were set at approximately 10 feet bgs. The subsurface soil vapor probes were constructed using stainless steel screens and Teflon® lined polyethylene tubing. Probe screens were approximately 6-inches long and constructed of double-woven stainless steel wire. The probe screens were installed at the bottom of the boreholes. Filter glass beads were placed around the screened portion of each vapor probe extending from the bottom of the borehole to approximately 1-foot above the screen. Approximately 6 inches of washed sand was then placed directly above the filter glass beads, followed by a bentonite seal above the washed sand to a depth of approximately 1-foot bgs.

After installation, the soil vapor probes were connected through tubing to a laboratory supplied batch certified clean 6-liter SUMMA canister, fitted with laboratory calibrated low-flow regulators that were set to collect the sample over a 2-hour period. The soil vapor probe was purged using a low-flow sample pump to evacuate 3 volumes of soil vapor. A PID was utilized to record VOC concentrations from the soil vapor probes in ppb at the start and end of sample collection. Helium was used as a tracer gas to ensure that an adequate surface seal was created during sampling.

The indoor air samples were collected utilizing batch certified clean 6-liter SUMMA canisters fitted with laboratory calibrated low-flow regulators. The samples were collected over a 2-hour period with the regulator calibrated at a flow rate that did not exceed 0.2 liters per minute. The canisters were placed at a height of approximately 3 feet above the floor.

The outdoor ambient air sample was collected over a 2-hour period during sub-slab soil vapor and indoor air sampling activities. The ambient air sample was collected in an observed upwind direction. The ambient air sample was screened with a calibrated ppb range PID, and readings were recorded prior to sampling. The ambient air sample was collected utilizing batch certified clean 6-liter SUMMA canister with a laboratory calibrated low-flow regulator over a 2-hour period with the regulator calibrated at a flow rate that did not exceed 0.2 liters per minute.

The canister was placed in a secure location at a height of approximately 3 feet above the ground surface.

Sub-slab soil vapor, soil vapor, indoor air, and outdoor ambient air samples were collected for laboratory analysis of VOCs via USEPA Method TO-15. Sampling logs were generated and are provided in Appendix E. Analytical results are described in Section 4.2 and analytical data summary tables are provided in Appendix F.

Dry Well Sediment Sampling

Three dry wells were identified at the Site in the western parking lot. The locations of these dry wells are presented on Figure 3-1. Based on a review of background information provided for the Site, four dry wells were expected to be located at the Site. However, only three dry wells were identified at the Site during field activities. Sediment samples were collected from each located dry well (DWSS-01, DWSS-03, and DWSS-04) to evaluate if they represent potential source areas.

Sediment samples were collected from the dry wells on July 12, 2018. Under the direction of the NYSDEC, a deviation in dry well sampling procedures were made from the Scope of Work and sediment samples were collected utilizing a track-mounted Geoprobe® 3230DT drill rig and direct-push drilling methods. Dry well sediment samples were advanced from the top of sediment to a depth of 10 feet bgs, with the surface of the sediment within each dry well located at depths between 0 to 3 feet bgs. Sediment samples were screened with a PID, and boring logs were generated and are provided in Appendix E. Drywell sediment sample collection depths are summarized in Table 3-1 below.

Table 3-1: Dry Well Sediment Sample Collection Depths

Sample Location	DWSS-01	DWSS-03	DWSS-04
Sample Depth Intervals (Feet BGS)	5’– 6’	1.5’ – 2.5’	9’ – 10’

Visual staining, odors, and elevated PID readings were not observed in the sediment from any of the dry wells. Dry well sediment samples were analyzed for Target Compound List (TCL)

VOCs+10 by USEPA Method 8260 and TCL SVOCs +20 by USEPA Method 8270. The VOC samples were collected and preserved in accordance with USEPA Method 5035. In addition, one dry well sediment sample was analyzed for pesticides by USEPA Method 8081, polychlorinated biphenyls (PCBs) by USEPA Method 8082, Target Analyte List (TAL) metals by USEPA Method 6010, mercury by USEPA Method 7470, and cyanide by USEPA Method 9010. Dry well sediment sample analytical results are described in Section 4.3 and analytical data summary tables are provided in Appendix F.

Shallow Soil Sampling

Sixteen shallow soil samples were collected at soil sample locations FCSS01-A, FCSB-01 through FCSB-10, and FCSB-12 through FCSB-16. The sample locations are depicted on Figure 3-1.

Eleven exterior shallow soil samples were collected at soil sampling locations FCSB-01 through FCSB-10, and FCSB-12 from soils removed through hand clearing activities. Additionally, a twelfth exterior shallow soil sample was collected at soil sample location FCSS-01A using a disposable sterile soil sampling spoon from a grass covered strip adjacent to the southern boundary of the western Site parking lot per the direction of the NYSDEC. Four interior shallow soil samples were collected at soil sampling locations FCSB-13 through FCSB-16 where the interior building floor and underlying concrete slab were saw-cut, and soil borings were advanced to 10 feet bgs using a decontaminated hand auger. Each recovered soil sample was inspected and characterized in accordance with the United Soil Classification System (USCS). In addition, any evidence of contamination, such as staining, sheens or odors, was described and the samples screened for organic vapors using a photoionization detector (PID). Shallow soil sample collection depths are summarized in Table 3-2 below.

Elevated PID readings were detected in soil boring FCSB-08, with the highest PID reading of 124.1 ppm at approximately 0.5 feet bgs. No other elevated PID readings were observed in the shallow soils screened at the other soil sampling locations, and no visual staining or odors were observed in shallow soils at any soil sampling location.

The shallow soil samples were analyzed for TCL VOCs+10 by USEPA Method 8260 and TCL SVOCs +20 by USEPA Method 8270. As directed by the NYSDEC, sample FCSS-01A was only analyzed for TCL VOCs+10 via USEPA Method 8260. The VOC samples were collected and preserved in accordance with USEPA Method 5035. In addition, the shallow soil sample collected at FCSB-13 was analyzed for pesticides by USEPA Method 8081, PCBs by USEPA Method 8082, TAL metals by USEPA Method 6010, mercury by USEPA Method 7470, and cyanide by USEPA Method 9010. Shallow soil sample analytical results are described in Section 4.4 and analytical data summary tables are provided in Appendix F.

Table 3-2: Shallow Soil Sample Collection Depths

Sample Location	FCSS-01A	FCSB-01	FCSB-02	FCSB-03	FCSB-04	FCSB-05
Sample Depth Intervals	0” – 2”	4” – 10”	8” – 14”	0’ – 0.5’	0’ – 1.5’	1’ – 1.5’

Sample Location	FCSB-06	FCSB-07	FCSB-08	FCSB-09	FCSB-10	FCSB-12
Sample Depth Intervals	0’ – 0.5’	4” – 10”	0’ – 0.5’	0’ – 0.5’	0’ – 0.5’	0’ – 0.5’

Sample Location	FCSB-13	FCSB-14	FCSB-15	FCSB-16
Sample Depth Intervals	0.5’–2.5’	0.5’ – 2.5’	0.5’ – 2.5’	0.5’ – 2.5’

Subsurface Soil Sampling

Prior to drilling, each proposed soil boring location was pre-cleared for buried utilities to a minimum depth of 5 feet bgs using hand tools. Aztech completed the utility clearance test pits during the period from July 13, 2018 to July 24, 2018.

A total of twelve soil borings were advanced at soil sampling locations FCSB-01 through FCSB-10, FCSB-12, and FCSB-17 during the period from July 13, 2018 to July 24, 2018. Under the direction of the NYSDEC project manager, an additional soil boring was advanced at soil

sampling location FCSB-17 adjacent to the location of an anomaly detected during the geophysical survey.

One proposed soil boring location, FCSB-11 could not be advanced due to the presence of an underground utility discovered when hand clearing the location. Attempts were made to relocate this soil boring; however, due to site constraints and other identified utilities this soil boring could not be installed.

All soil borings were advanced using direct-push drilling techniques. In accordance with the NYSDEC-approved scope of work, soil borings where groundwater monitoring wells were to be installed were completed to a depth of approximately 30 feet bgs. Soil borings where discrete-depth groundwater sampling was to be performed were completed to a depth of approximately 25 feet bgs except for at soil sampling locations FCSB-04 and FCSB-08. Soil boring FCSB-04 was advanced to a depth of approximately 65 feet bgs, below which the soil samples had no recovery. Soil boring FCSB-08 was advanced until a distinct layer of fine sediment was encountered that may have indicated the surface of a confining layer at an approximate depth of 62 feet bgs. In addition, at the direction of the NYSDEC, soil boring FCSB-17 was completed to a depth of approximately 10 feet bgs.

During boring advancement, soil samples were collected continuously using a decontaminated macrocore soil sampler fitted with a disposable 5-foot acetate liner. Each recovered soil sample was inspected and characterized in accordance with the United Soil Classification System (USCS). Groundwater was observed at depths ranging from approximately 17.5 to 22.0 feet bgs. In addition, evidence of contamination, such as staining, sheens or odors, was described and the samples screened for organic vapors using a PID. Boring logs were generated and are provided in Appendix E.

Thirteen subsurface soil samples were collected at soil sampling locations FCSB-01 through FCSB-10, FCSB-12, and FCSB-17. All soil sample locations are depicted on Figure 3-1. Subsurface soil sample collection depths are summarized in Table 3-3 below. Visual staining and a slight petroleum odor were noted in soil boring FCSB-05 at approximately 16 feet bgs. Visual

staining or odors were not observed in any other completed exterior soil borings. Elevated PID readings were detected in subsurface soil from soil boring FCSB-08 at a depth of 33.5 feet bgs with a PID reading of 18.6 ppm, and from soil boring FCSB-09 at a depth of 22 feet bgs with a PID reading of 20.1 ppm. No other elevated PID readings were observed in the subsurface soils screened at the other soil sampling locations.

The subsurface soil samples were analyzed for TCL VOCs+10 by USEPA Method 8260 and TCL SVOCs +20 by USEPA Method 8270. In addition, the soil sample collected from FCSB-17 was sampled for tetraethyl lead by USEPA Method 8270 per the NYSDEC. The VOC samples were collected and preserved in accordance with USEPA Method 5035. Additionally, six subsurface soil samples were analyzed for pesticides by USEPA Method 8081, PCBs by USEPA Method 8082, TAL metals by USEPA Method 6010, mercury by USEPA Method 7470, and cyanide by USEPA Method 9010. Subsurface soil sample analytical results are described in Section 4.5 and analytical data summary tables are provided in Appendix F.

Table 3-3: Subsurface Soil Sample Collection Depths

Sample Location	FCSB-01	FCSB-02	FCSB-03	FCSB-04	FCSB-05	FCSB-06
Sample Depth Intervals (Feet BGS)	16’ – 18’	15.5’ - 17.5’	17’ – 19’	17.5’ – 19.5’	15.5’ – 17’ 18’ – 19.5’	20’ – 22’

Sample Location	FCSB-07	FCSB-08	FCSB-09	FCSB-10	FCSB-12	FCSB-17
Sample Depth Intervals (Feet BGS)	17’ – 19’	16.5’ – 18.5'	21.5’ – 23.5’	16.5’ – 18.5’	20’ – 22’	6’ – 7’

Discrete-Depth Groundwater Sampling

Six discrete-depth groundwater sample locations (FCGP-01, FCGP-02, FCGP-03, FCGP-04, FCGP-06, and FCGP-07) were installed and associated groundwater samples were collected. Discrete-depth groundwater sample location FCGP-05, which was proposed in the approved Scope of Work, could not be obtained due to issues installing the associated soil boring at location FCSB-

11, as discussed above. The discrete-depth groundwater probe sample locations are depicted on Figure 3-1.

The discrete-depth groundwater samples were collected utilizing either a SP-16 groundwater sampler or a mil-slot sampler. Under direction of the NYSDEC discrete groundwater samples were analyzed only for TCL VOCs+10 by USEPA Method 8260. Each discrete-depth groundwater sample location was purged of approximately two gallons to attempt to reduce turbidity of recovered groundwater. During purging, dissolved oxygen, oxidation/reduction potential, turbidity, temperature, conductivity, and pH were measured using a water quality meter. Discrete-depth groundwater sampling logs were generated and are provided in Appendix E. The sample collection depth intervals at the discrete-depth groundwater sampling locations are summarized in Table 3-4 below. Discrete-depth groundwater sample analytical results are described in Section 4.6 and analytical data summary tables are provided in Appendix F.

Table 3-4: Discrete-Depth Groundwater Sample Collection Depths

Sample Location	FCGP-01	FCGP-02	FCGP-03	FCGP-04	FCGP-06	FCGP-07
Sample Depth Intervals (Feet BGS)	26’ – 30’	26’ – 30’	26’ – 30’	25’ – 29’	25’ – 29’	36’ – 40’
		36’ – 40’				46’ – 50’
		46’ – 50’				56’ – 60’
		52’ – 58’				66’ – 70’

Groundwater Monitoring Well Installation

Six groundwater monitoring wells (FCMW-01 through FCMW-06) were installed at the respective previously completed soil boring locations FCSB-01 through FCSB-06. Aztech installed the monitoring wells during the period from July 24, 2018 to July 26, 2016. The monitoring well locations are depicted on Figure 3-1.

The monitoring wells were installed using hollow stem auger (HSA) drilling methods to depths ranging from approximately 25.5 to 26.35 feet bgs. The wells were installed using a direct-push rig and 4.25-inch inner diameter HSAs. Each well was constructed utilizing 2-inch diameter (I.D.) Schedule 40 polyvinyl chloride (PVC) riser and 10 feet of 0.010-inch slotted well screen. A

No.1 well sand pack was placed around each well screen. A bentonite seal was placed above the sand pack followed by the installation of a cement/bentonite grout to grade. Protective, flush-to-grade casings with locking covers were installed at each well location. Monitoring well construction logs were generated and are provided in Appendix E. A summary of the depth of each well and construction details are presented in Table 3-5.

Table 3-5: Monitoring Well Construction Summary

Well ID	Depth of Well (Feet bgs)	Depth of Screened Interval (Feet bgs)	Well Inner Diameter (inches)	Ground Surface Elev. (U.S. Survey Feet)	Protective Casing Elev. (U.S. Survey Feet)	PVC Elev. (U.S. Survey Feet)	Screened Interval Elev. (U.S. Survey Feet)	Northing (U.S. Survey Feet)	Easting (U.S. Survey Feet)
FCMW-01	26.0	16.0 - 26.0	2.0	184.0	183.99	183.77	168.0 – 158.0	15,231,554.2	1,911,184.7
FCMW-02	26.0	16.0 - 26.0	2.0	184.4	184.41	184.16	168.4 - 158.4	15,231,482.3	1,911,131.4
FCMW-03	26.0	16.0 - 26.0	2.0	184.6	184.6	184.36	168.6 - 158.6	15,231,426.9	1,911,189.8
FCMW-04	26.0	16.0 - 26.0	2.0	183.6	183.6	183.33	167.6 - 157.6	15,231,353.0	1,911,273.3
FCMW-05	25.5	15.5 - 25.5	2.0	182.4	182.4	182.13	166.9 - 156.9	15,231,358.3	1,911,394.9
FCMW-06	26.5	16.5 - 26.5	2.0	185.3	185.26	184.96	168.8 - 158.8	15,231,502.9	1,911,393.6

Notes:
ID: Identification
bgs: below ground surface
Elev.: Elevation
U.S.: United States
PVC: Polyvinyl chloride
Vertical Datum: North American Vertical Datum 88
Horizontal Datum: North American Datum of 1983 (NAD83) Projected on the Universal Transverse Mercator (Zone 18N)

Well Development

Following installation, the groundwater monitoring wells were developed on July 26, 2018 and July 27, 2018 to remove foreign materials introduced during drilling and to facilitate hydraulic communication between the formation and the well. Standard surging and pumping techniques were used to develop the wells. Well development water was monitored for turbidity during

purging using a water quality meter and readings were recorded. Development was considered complete when either the turbidity of the purge water was below 50 nephelometric turbidity units (NTUs), the well purged dry, or 10 well volumes were removed. Monitoring well development logs were generated and are provided in Appendix E.

Water Level Measurements

Over the course of the SC, water levels were measured at the newly installed monitoring wells. Water level measurements were conducted in conjunction with the groundwater sampling event. Depth to water measurements and topographic survey data were used to calculate groundwater elevations and to prepare a groundwater elevation contour map. Groundwater level measurements and a groundwater contour map are provided in Appendix A.

Based on information gathered, the depth to groundwater ranges from approximately 17.25 feet bgs in FCMW-05 to 18.93 feet bgs in FCMW-02. Based on groundwater elevation measurements, the groundwater flow direction was to the southwest at the time of SC field investigation.

Groundwater Monitoring Well Sampling

Groundwater samples were collected from the six newly installed monitoring wells using low-flow sampling methodologies on August 7, 2018 and August 29, 2018. PID headspace readings were measured at each location prior to groundwater sample collection. In addition, the depth to water was measured from the surveyed referenced mark using an electronic water level indicator, which was decontaminated between locations. The wells were also checked for separate phase product. Separate phase product was not observed in any of the monitoring wells. During purging, dissolved oxygen, oxidation/reduction potential, turbidity, temperature, conductivity, and pH were measured using a water quality meter. Monitoring well sampling logs were generated and are provided in Appendix E.

Groundwater samples were analyzed for TCL VOCs+10 by USEPA Method 8260, and in addition three samples (FCMW-02, FCMW-03, and FCMW-05) were analyzed for TCL SVOCs+20 by USEPA Method 8270, 1,4-Dioxane by USEPA Method 8270 SIM, pesticides by USEPA Method 8081, PCBs by USEPA Method 8082, both unfiltered and laboratory-filtered TAL metals by USEPA Method 6010, mercury by USEPA Method 7470, cyanide by USEPA Method 9010, and Per- and Poly-Fluorinated Alkyl Substances (PFAS) by USEPA Method 537 Modified. Monitoring well groundwater sample analytical results are described in Section 4.6 and analytical data summary tables are provided in Appendix F.

Site Survey

On August 7, 2018, Thew Associates Land Surveyors, PLLC (Thew), a New York State licensed surveyor, performed a survey that included identifying the locations and elevations (top of outer protective steel casing, top of inner PVC casing, and ground surface) of the newly installed monitoring wells, as well as soil borings, and soil vapor sample locations. A copy of the Site survey is presented in Appendix G.

Investigation Derived Waste Disposal

Investigation Derived Waste (IDW) generated during the SC activities included decontamination fluid, used personal protective equipment (PPE), used disposable sampling equipment, well purge and development water, and soil cuttings. On August 7, 2018 D&B collected one waste characterization sample of the liquid waste and one of the soil waste. The waste characterization samples were analyzed for TCL VOCs+10 by USEPA Method 8260, full Toxicity Characteristic Leaching Procedures (TCLP) parameters (VOCs by USEPA Method 8260, SVOCs by USEPA Method 8270, and metals by USEPA Method 6010 plus mercury by USEPA Method 7470), PCBs by USEPA Method 8082, and Resource Conservation and Recovery Act (RCRA) Characteristics for waste characterization purposes including pH, flashpoint, corrosivity, and reactivity. All IDW was containerized in DOT-approved 55-gallon drums. The NYSDEC disposed of six 55-gallon drums of well purge water, development water, and decontamination fluid by treating with granular activated carbon and discharging to the storm sewer on Field Court.

The remaining IDW including PPE, used disposable sampling equipment, and soil cuttings were containerized for off-site disposal and were removed from the Site on October 11, 2018 by Innovative Recycling Technologies, Inc., a NYSDEC-permitted waste transporter. In total, 11 drums of non-hazardous, non-DOT regulated IDW were disposed of off-site at Republic Environmental Systems, LLC's facility in Hatfield, Pennsylvania. Waste disposal records are provided in Appendix H.

3.2 Field Procedures, Analytical Methods, and Quality Assurance

All investigation and sampling activities were performed in accordance with D&B's Generic Field Activities Plan (FAP) and Generic Quality Assurance Project Plan (QAPP), which have been approved for use on D&B's Standby Contract for Engineering Services with the NYSDEC. The FAP is dated February 2013 and the QAPP is dated April 2011.

Quality control (QC) samples included matrix spike (MS) and matrix spike duplicates (MSD) and trip blanks. Matrix spike and matrix spike duplicates were collected at a minimum frequency of one per twenty samples and analyzed for the same analytes as the environmental samples. Trip blanks were supplied with each shipment of sample containers for water samples. Trip blanks were analyzed for VOCs only.

All samples were submitted to Test America, a NYSDOH ELAP certified laboratory, for analysis. Test America performed the analysis in accordance with the latest edition of the NYSDEC Analytical Services Protocol and provided 16 NYSDEC Category B laboratory deliverables packages. Data Usability Summary Reports were prepared for the packages, are discussed in Section 4.7, and provided in Appendix I.

4.0 DISCUSSION OF RESULTS

This section presents a detailed discussion of the SC results. Analytical results summary tables are provided in Appendix F.

4.1 Applicable Regulatory Standards

The soil and groundwater sample results were compared to standards, criteria and guidelines (SCGs) selected for the Site to determine the significance of the analytical data. Air sample data, including soil vapor, sub-slab soil vapor, indoor air, and outdoor ambient air data was compared to the NYSDOH May 2017 Updates to Soil Vapor / Indoor Air Decision Matrices. The dry well sediment and soil data was compared to the Soil Cleanup Objectives (SCOs) for unrestricted use, commercial use, and for the protection of groundwater as defined in NYSDEC 6 NYCRR Part 375. The groundwater data was compared to Class GA groundwater standards and guidance values as defined in the NYSDEC June 1998 Division of Water Technical and Operational Guidance Series (1.1.1) - Ambient Water Quality Standards and Guidance Values.

4.2 Soil Vapor, Sub-Slab Soil Vapor, Indoor Air & Outdoor Air Samples

A total of eleven air samples were collected for volatile organic compound (VOC) analysis, including: four sub-slab soil vapor samples (FCSS-01 through FCSS-04), two indoor air samples (FCSS-02A and FCSS-03A), four soil vapor samples (FCSV-01 through FCSV-04), and one outdoor ambient air sample (FCAA-01). Sub-slab soil vapor, soil vapor, indoor air, and outdoor ambient air samples were analyzed for VOCs via USEPA Method TO-15. A summary of detected VOCs concentrations in the soil vapor, sub-slab soil vapor, indoor air and outdoor air samples is provided in Table 4-1 below.

Table 4-1:

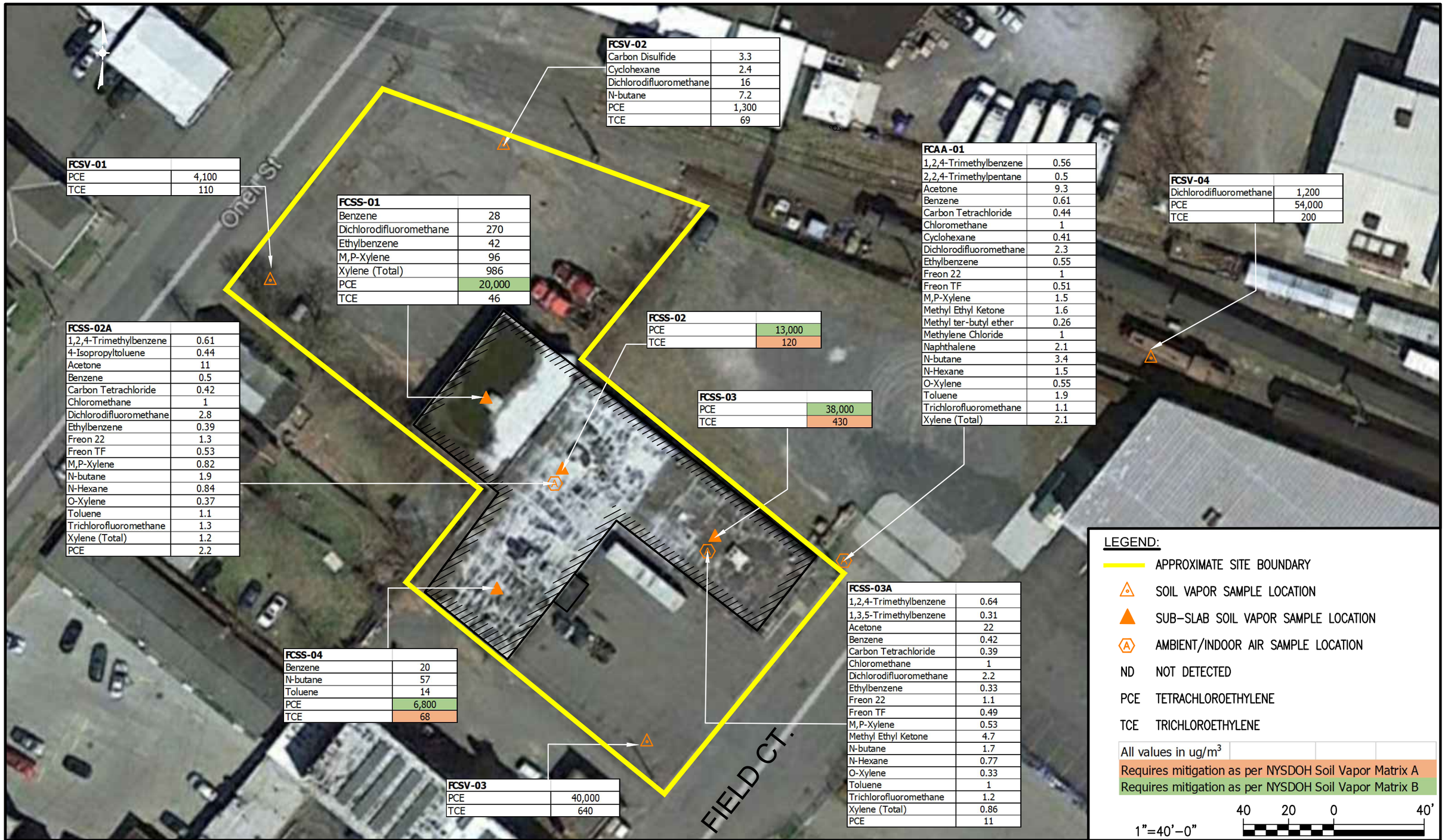
VOC Detections in Soil Vapor, Sub-Slab Soil Vapor, Indoor Air & Outdoor Air Samples

Sample Location	FCAA-01	FCSS-02A	FCSS-03A	FCSS-01	FCSS-02
Date	7/11/18	7/11/18	7/11/18	7/11/18	7/11/18
Sample Type	Ambient	Indoor	Indoor	Sub-Slab	Sub-Slab
Units	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3
1,2,4-Trimethylbenzene	0.56 J	0.61 J	0.64 J	U	U
1,3,5-Trimethylbenzene	U	U	0.31 J	U	U
2,2,4-Trimethylpentane	0.50 J	U	U	U	U
4-Isopropyltoluene	U	0.44 J	U	U	U
Acetone	9.3 J	11 J	22	U	U
Benzene	0.61 J	0.50 J	0.42 J	28 J	U
Carbon Tetrachloride	0.44	0.42	0.39	U	U
Chloromethane	1.0	1.0	1.0	U	U
Cyclohexane	0.41 J	U	U	U	U
Dichlorodifluoromethane	2.3 J	2.8	2.2 J	270 J	U
Ethylbenzene	0.55 J	0.39 J	0.33 J	42 J	U
Freon 22	1.0 J	1.3 J	1.1 J	U	U
Freon TF	0.51 J	0.53 J	0.49 J	U	U
M,P-Xylene	1.5 J	0.82 J	0.53 J	96 J	U
Methyl Ethyl Ketone	1.6	U	4.7	U	U
Methyl tert-butyl ether	0.26 J	U	U	U	U
Methylene Chloride	1.0 J	U	U	U	U
Naphthalene	2.1 J	U	U	U	U
N-butane	3.4	1.9	1.7	U	U
N-Hexane	1.5	0.84	0.77	U	U
O-Xylene	0.55 J	0.37 J	0.33 J	U	U
Toluene	1.9	1.1	1.0	U	U
Trichlorofluoromethane	1.1	1.3	1.2	U	U
Xylene (Total)	2.1 J	1.2 J	0.86 J	986 J	U
PCE	U	2.2	11	20,000	13,000
TCE	U	U	U	46	120

Sample Location	FCSS-03	FCSS-04	FCSV-01	FCSV-02	FCSV-03	FCSV-04
Date	7/11/18	7/11/18	7/11/18	7/11/18	7/11/18	7/11/18
Sample Type	Sub-Slab	Sub-Slab	Soil Vapor	Soil Vapor	Soil Vapor	Soil Vapor
Units	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3
Benzene	U	20 J	U	U	U	U
Carbon Disulfide	U	U	U	3.3 J	U	U
Cyclohexane	U	U	U	2.4 J	U	U
Dichlorodifluoromethane	U	U	U	16 J	U	1,200
N-butane	U	57	U	7.2 J	U	U
Toluene	U	14 J	U	U	U	U
PCE	38,000	6,800	4,100	1,300	40,000	54,000
TCE	430	68	110	69	640	200

Notes:
ug/m^3: micrograms per cubic meter
U: Analyzed for but not detected
J: Estimated Value

Several VOCs were detected in ambient air and indoor air samples. VOCs were detected within sub-slab and soil vapor samples, with PCE and TCE at concentrations significantly higher than other VOC detections.



FCSV-01	
PCE	4,100
TCE	110

FCSV-02	
Carbon Disulfide	3.3
Cyclohexane	2.4
Dichlorodifluoromethane	16
N-butane	7.2
PCE	1,300
TCE	69

FCSS-01	
Benzene	28
Dichlorodifluoromethane	270
Ethylbenzene	42
M,P-Xylene	96
Xylene (Total)	986
PCE	20,000
TCE	46

FCSS-02A	
1,2,4-Trimethylbenzene	0.61
4-Isopropyltoluene	0.44
Acetone	11
Benzene	0.5
Carbon Tetrachloride	0.42
Chloromethane	1
Dichlorodifluoromethane	2.8
Ethylbenzene	0.39
Freon 22	1.3
Freon TF	0.53
M,P-Xylene	0.82
N-butane	1.9
N-Hexane	0.84
O-Xylene	0.37
Toluene	1.1
Trichlorofluoromethane	1.3
Xylene (Total)	1.2
PCE	2.2

FCSS-02	
PCE	13,000
TCE	120

FCSS-03	
PCE	38,000
TCE	430

FCAA-01	
1,2,4-Trimethylbenzene	0.56
2,2,4-Trimethylpentane	0.5
Acetone	9.3
Benzene	0.61
Carbon Tetrachloride	0.44
Chloromethane	1
Cyclohexane	0.41
Dichlorodifluoromethane	2.3
Ethylbenzene	0.55
Freon 22	1
Freon TF	0.51
M,P-Xylene	1.5
Methyl Ethyl Ketone	1.6
Methyl ter-butyl ether	0.26
Methylene Chloride	1
Naphthalene	2.1
N-butane	3.4
N-Hexane	1.5
O-Xylene	0.55
Toluene	1.9
Trichlorofluoromethane	1.1
Xylene (Total)	2.1

FCSV-04	
Dichlorodifluoromethane	1,200
PCE	54,000
TCE	200

FCSS-04	
Benzene	20
N-butane	57
Toluene	14
PCE	6,800
TCE	68

FCSV-03	
PCE	40,000
TCE	640

FCSS-03A	
1,2,4-Trimethylbenzene	0.64
1,3,5-Trimethylbenzene	0.31
Acetone	22
Benzene	0.42
Carbon Tetrachloride	0.39
Chloromethane	1
Dichlorodifluoromethane	2.2
Ethylbenzene	0.33
Freon 22	1.1
Freon TF	0.49
M,P-Xylene	0.53
Methyl Ethyl Ketone	4.7
N-butane	1.7
N-Hexane	0.77
O-Xylene	0.33
Toluene	1
Trichlorofluoromethane	1.2
Xylene (Total)	0.86
PCE	11

LEGEND:

- APPROXIMATE SITE BOUNDARY
- SOIL VAPOR SAMPLE LOCATION
- SUB–SLAB SOIL VAPOR SAMPLE LOCATION
- AMBIENT/INDOOR AIR SAMPLE LOCATION
- ND NOT DETECTED
- PCE TETRACHLOROETHYLENE
- TCE TRICHLOROETHYLENE

All values in ug/m^3			
Requires mitigation as per NYSDOH Soil Vapor Matrix A			
Requires mitigation as per NYSDOH Soil Vapor Matrix B			

1"=40'–0"

40 20 0 40'

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25 FIELD COURT
SITE CHARACTERIZATION

SCALE: 1"=40'

VOC DETECTIONS IN SOIL VAPOR, SUB-SLAB SOIL VAPOR, INDOOR AIR & OUTDOOR AIR

FIGURE 4-1

PCE and TCE were detected within the soil vapor and sub-slab soil vapor samples at multiple orders of magnitude higher than their concentrations in ambient and indoor air samples. The highest concentration of PCE was detected in soil vapor collected from sample location FCSV-04 at a concentration of 54,000 ug/m^3. Indoor air and sub-slab soil vapor samples were directly compared to the decision matrices provided by the NYSDOH. PCE and TCE were detected at concentrations within the sub-slab soil vapor samples for which the NYSDOH Decision Matrices would recommend mitigation. No other VOC compounds from NYSDOH Soil Vapor/Indoor Air Matrices A through C were detected at concentrations that would require monitoring or mitigation. Figure 4-1 summarizes the VOC detections in the sub-slab soil vapor, soil vapor, indoor air and ambient air samples.

4.3 Dry Well Sediment Samples

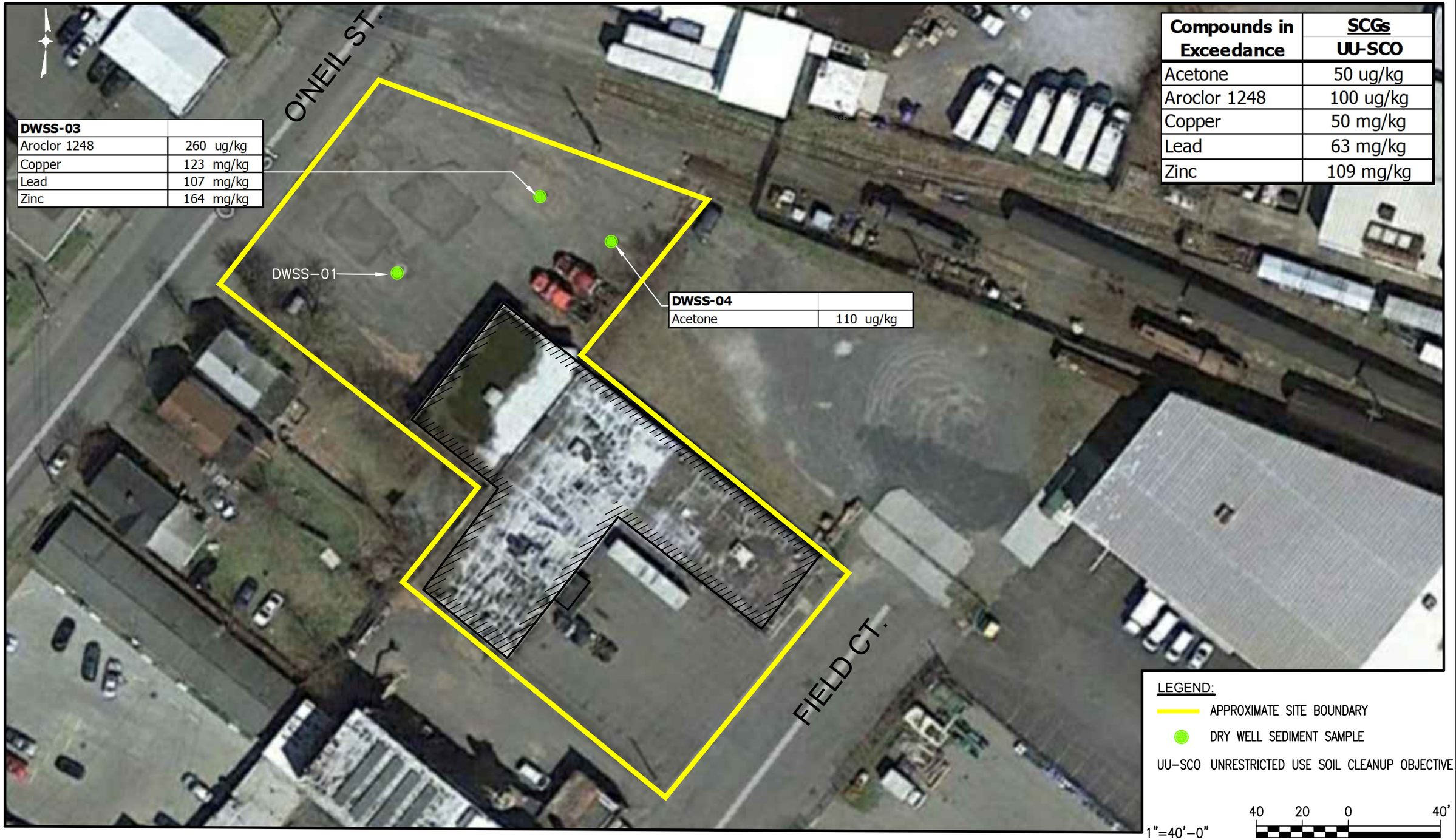
The dry well sediment sample results were compared to NYCRR 6 Part 375 Unrestricted and Commercial Use Soil Cleanup Objectives (SCOs). Dry well sediment samples were analyzed for TCL VOCs+10 and TCL SVOCs +20. In addition, dry well sediment sample DWSS-03 was analyzed for pesticides, PCBs, TAL metals, mercury, and cyanide. Compounds that were detected in the dry well sediment samples above the SCOs are summarized in Table 4-2 below. Figure 4-2 summarizes exceedances of standards, criteria, and guidance values (SCGs) in dry well sediment samples.

Table 4-2: Dry Well Sediment Sample Results Exceeding SCOs

Sample Location	DWSS-01 (5'-6')	DWSS-03 (1.5'-2.5')	DWSS-04 (9'-10')	Unrestricted/ Commercial SCOs
Date	7/12/18	7/12/18	7/12/18	
Acetone (ug/kg)	UJ	43 J	*110 J*	50 / 500,000
Aroclor 1248 (ug/kg)	-	*260*	-	100 / 1,000
Copper (mg/kg)	-	*123 J*	-	50 / 270
Lead (mg/kg)	-	*107*	-	63 / 1,000
Zinc (mg/kg)	-	*164 J*	-	109 / 10,000

Notes:
ug/kg: micrograms per kilogram
mg/kg: milligrams per kilogram
U: Analyzed for but not detected
J: Estimated value

Underlined: Exceeds Unrestricted SCG
Bold: Exceeds Commercial SCG
- : Sample not analyzed for compound



D&B Engineers and Architects, P.C.

25 FIELD COURT
SITE CHARACTERIZATION

SCG EXCEEDANCES IN DRY WELL SEDIMENT

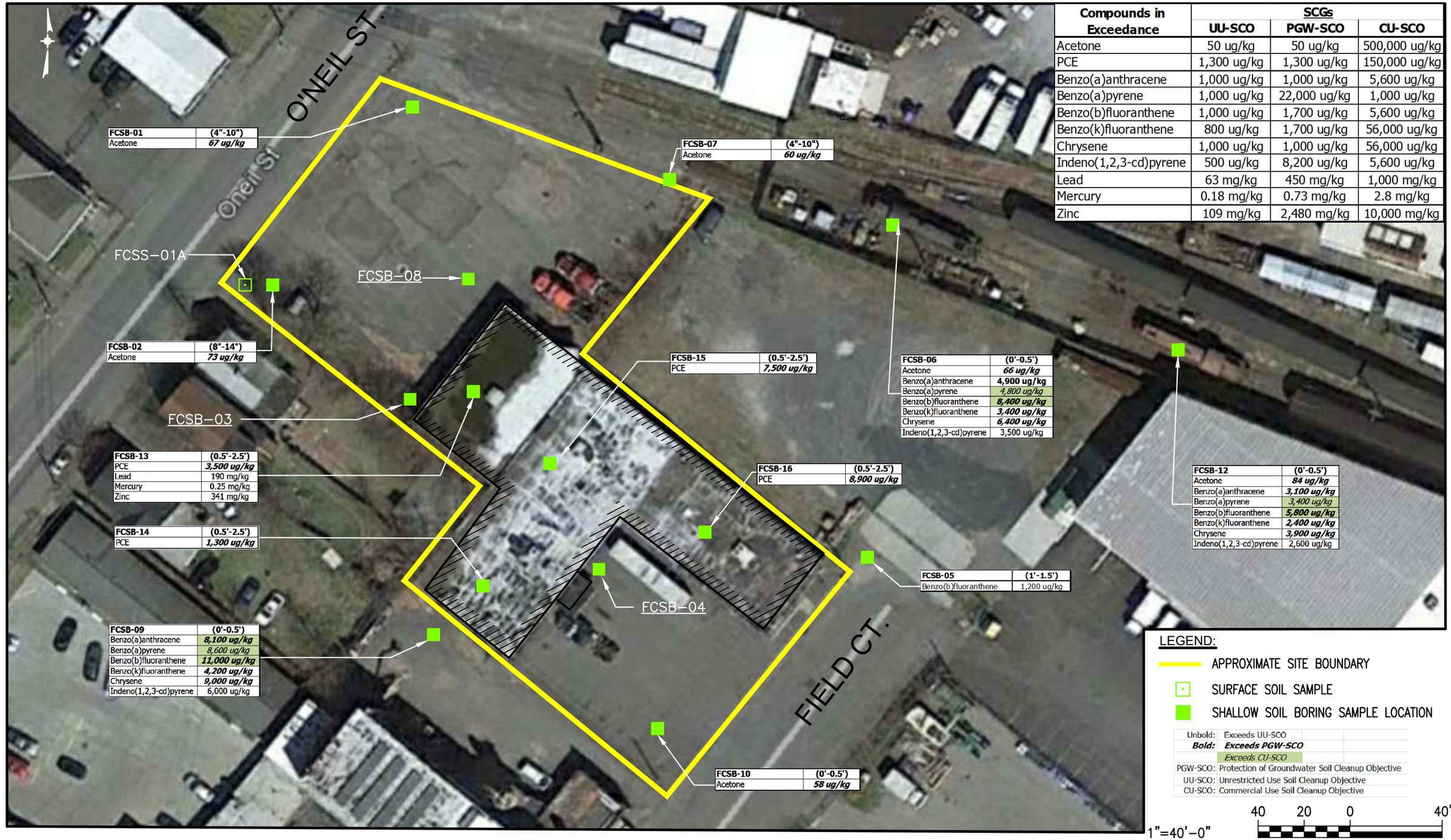
SCALE: 1"=40'

FIGURE 4-2

Based on the above, none of the sediment samples collected from the dry wells exceeded commercial use SCOs and the sediment sample collected from dry well DWSS-01 had no exceedances of unrestricted use SCOs. In addition, the sample from dry well location DWSS-03 had concentrations of PCBs and metals above unrestricted use SCOs. Acetone was the only exceedance of unrestricted use SCOs detected the dry well sediment sample collected from DWSS-04. It should be noted that the SVOC and pesticides analytical results for dry well sediment sample DWSS-03 were rejected by the data validation process, which is further discussed in Section 4.7.

4.4 Shallow Soil Samples

Shallow soil samples were collected from thirteen exterior locations (FCSS-01A, FCSB-01 through FCSB-10, and FCSB-12) and four interior locations (FCSB-13 through FCSB-16). Surface soil samples were analyzed for TCL VOCs +10 and TCL SVOCs +20, except for the sample collected at FCSS-01A which was only analyzed for TCL VOCs +10. In addition, the interior shallow soil sample collected at FCSB-13 was also analyzed for pesticides, PCBs, TAL metals, mercury, and cyanide. The shallow soil sample results were compared to NYCRR 6 Part 375 Unrestricted and Commercial Use SCOs. Compounds that were detected exceeding SCOs in shallow soil samples are summarized in Table 4-3 below. Figure 4-3 summarizes exceedances of SCOs in shallow soil.



Compounds in Exceedance	SCGs		
	UU-SCO	PGW-SCO	CU-SCO
Acetone	50 ug/kg	50 ug/kg	500,000 ug/kg
PCE	1,300 ug/kg	1,300 ug/kg	150,000 ug/kg
Benzo(a)anthracene	1,000 ug/kg	1,000 ug/kg	5,600 ug/kg
Benzo(a)pyrene	1,000 ug/kg	22,000 ug/kg	1,000 ug/kg
Benzo(b)fluoranthene	1,000 ug/kg	1,700 ug/kg	5,600 ug/kg
Benzo(k)fluoranthene	800 ug/kg	1,700 ug/kg	56,000 ug/kg
Chrysene	1,000 ug/kg	1,000 ug/kg	56,000 ug/kg
Indeno(1,2,3-cd)pyrene	500 ug/kg	8,200 ug/kg	5,600 ug/kg
Lead	63 mg/kg	450 mg/kg	1,000 mg/kg
Mercury	0.18 mg/kg	0.73 mg/kg	2.8 mg/kg
Zinc	109 mg/kg	2,480 mg/kg	10,000 mg/kg

LEGEND:

- APPROXIMATE SITE BOUNDARY
- SURFACE SOIL SAMPLE
- SHALLOW SOIL BORING SAMPLE LOCATION

Unbold:	Exceeds UU-SCO
Bold:	**Exceeds PGW-SCO**
	Exceeds CU-SCO
PGW-SCO:	Protection of Groundwater Soil Cleanup Objective
UU-SCO:	Unrestricted Use Soil Cleanup Objective
CU-SCO:	Commercial Use Soil Cleanup Objective

40 20 0 40'

1"=40'–0"

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25 FIELD COURT
SITE CHARACTERIZATION

SCG EXCEEDANCES IN SHALLOW SOIL

SCALE: 1"=40'

FIGURE 4-3

Table 4-3: Shallow Soil Sample Results Exceeding SCOs

Sample Location	FCSB-01 (4”-10”)	FCSB-02 (8”-14”)	FCSB-05 (1’-1.5’)	FCSB-06 (0’-0.5’)	Unrestricted / Commercial SCOs	Protection of Groundwater SCOs
Date	7/13/18	7/13/18	7/19/18	7/13/18		
Acetone (ug/kg)	*67 J*	*73*	42 J	*66 J*	50 / 500,000	50
Benzo(a)anthracene (ug/kg)	260	39 J	590 J	*4,900*	1,000 / 5,600	1,000
Benzo(a)pyrene (ug/kg)	270	30 J	590 J	**4,800**	1,000 / 1,000	22,000
Benzo(b)fluoranthene (ug/kg)	370	U	1,200 J	***8,400***	1,000 / 5,600	1,700
Benzo(k)fluoranthene (ug/kg)	160 J	U	U	*3,400*	800 / 56,000	1,700
Chrysene (ug/kg)	320	42 J	U	*6,400*	1,000 / 56,000	1,000
Indeno(1,2,3-cd)pyrene (ug/kg)	170 J	31 J	760	3,500	500 / 5,600	8,200

Sample Location	FCSB-07 (4”-10”)	FCSB-09 (0’-0.5’)	FCSB-10 (0’-0.5’)	FCSB-12 (0’-0.5’)	Unrestricted / Commercial SCOs	Protection of Groundwater SCOs
Date	7/13/18	7/18/18	7/19/18	7/13/18		
Acetone (ug/kg)	*60 J*	24 J	*58 J*	*84 J*	50 / 500,000	50
PCE (ug/kg)	UJ	3.3	20	42 J	1,300 / 150,000	1,300
Benzo(a)anthracene (ug/kg)	130 J	***8,100***	U	*3,100*	1,000 / 5,600	1,000
Benzo(a)pyrene (ug/kg)	U	**8,600**	U	**3,400**	1,000 / 1,000	22,000
Benzo(b)fluoranthene (ug/kg)	U	**11,000**	U	***5,800***	1,000 / 5,600	1,700
Benzo(k)fluoranthene (ug/kg)	U	*4,200*	U	*2,400*	800 / 56,000	1,700
Chrysene (ug/kg)	U	*9,000*	U	*3,900*	1,000 / 56,000	1,000
Indeno(1,2,3-cd)pyrene (ug/kg)	130 J	6,000	U	2,600	500 / 5,600	8,200

Sample Location	FCSB-13 (0.5’-2.5’)	FCSB-14 (0.5’-2.5’)	FCSB-15 (0.5’-2.5’)	FCSB-16 (0.5’-2.5’)	Unrestricted/ Commercial SCOs	Protection of Groundwater SCOs
Date	7/12/18	7/12/18	7/12/18	7/12/18		
Acetone (ug/kg)	U	U	U	U	50 / 500,000	50
PCE (ug/kg)	*3,500*	*1,300*	*7,500*	*8,900*	1,300 / 150,000	1,300
Benzo(a)anthracene (ug/kg)	120 J	U	U	U	1,000 / 5,600	1,000
Benzo(a)pyrene (ug/kg)	140 J	U	U	U	1,000 / 1,000	22,000
Benzo(b)fluoranthene (ug/kg)	160 J	U	U	U	1,000 / 5,600	1,700
Benzo(k)fluoranthene (ug/kg)	100 J	U	U	U	800 / 56,000	1,700
Chrysene (ug/kg)	140 J	U	U	U	1,000 / 56,000	1,000
Indeno(1,2,3-cd)pyrene (ug/kg)	110 J	120 J	34 J	U	500 / 5,600	8,200
Lead (mg/kg)	190	-	-	-	63 / 1,000	450
Mercury (mg/kg)	0.25	-	-	-	0.18 / 2.8	0.73
Zinc (mg/kg)	341 J	-	-	-	109 / 10,000	2,480

Notes:
ug/kg: micrograms per kilogram
mg/kg: milligrams per kilogram
U: Analyzed for but not detected
J: Estimated value

Exceeds Unrestricted Use SCO
Underlined: Exceeds Protection of Groundwater SCO
***Bold*:** Exceeds Commercial Use SCO
- : Sample not analyzed for compound

As shown above, PCE detections in shallow soil exceeding unrestricted use SCOs were limited to samples collected within the Site building. In addition, acetone was detected exceeding unrestricted use SCOs in several shallow soil sample locations. Two shallow soil samples located in the Ulster County Rail Yard property and one shallow soil sample on the property adjoining the Site to the southwest detected SVOCs above their commercial SCOs. Metals were detected exceeding unrestricted use SCOs at one shallow soil sample collected within the Site building.

It should be noted that the analytical results for all but one compound in the pesticides analysis were rejected by the data validation process for the interior shallow soil sample FCSB-13 (0.5' – 2.5'). The rejection of this soil sample analytical data is further discussed in Section 4.7.

4.5 Subsurface Soil Samples

Subsurface soil samples were collected from twelve exterior soil boring locations (FCSB-01 through FCSB-10, FCSB-12, and FCSB-17). Subsurface soil samples were analyzed for TCL VOCs +10 and TCL SVOCs +20. The subsurface soil sample collected from FCSB-17 was also analyzed for tetraethyl lead. Five subsurface soil samples were also analyzed for pesticides, PCBs, TAL metals, mercury, and cyanide. The subsurface soil sample results were compared to NYCRR 6 Part 375 Unrestricted and Commercial Use SCOs. Compounds that were detected exceeding SCOs in subsurface soil samples are summarized in Table 4-4 below. Figure 4-4 summarizes exceedances of SCOs in subsurface soil.

Table 4-4: Subsurface Soil Sample Results Exceeding SCOs

Sample Location	FCSB-01 (16'-18')	FCSB-02 (15.5'-17.5')	FCSB-06 (20'-22')	FCSB-10 (16.5'-18.5')	FCSB-12 (20'-22')	Unrestricted/ Commercial SCOs	Protection of Groundwater SCOs
Date	7/13/18	7/13/18	7/13/18	7/19/18	7/13/18		
Acetone (ug/kg)	***64 J***	***65***	***110 J***	***56 J***	***68 J***	50 / 500,000	50
Copper (mg/kg)	-	-	-	-	62.6 J	50 / 270	1,720

Notes:
ug/kg: micrograms per kilogram
mg/kg: milligrams per kilogram
U: Analyzed for but not detected
J: Estimated value

Exceeds Unrestricted Use SCO
Underlined: Exceeds Protection of Groundwater SCO
Bold: Exceeds Commercial Use SCO
- : Sample not analyzed for compound



Compounds in Exceedance	SCGs	
	UU-SCO	PGW-SCO
Acetone	50 ug/kg	50 ug/kg
Copper	50 mg/kg	1,720 mg/kg

LEGEND:

APPROXIMATE SITE BOUNDARY

SUBSURFACE SOIL BORING SAMPLE LOCATION

Unbold:	Exceeds UU-SCO
Bold:	***Exceeds PGW-SCO***

UU–SCO: UNRESTRICTED USE SOIL CLEANUP OBJECTIVE

PGW–SCO: PROTECTION OF GROUNDWATER SOIL CLEANUP OBJECTIVE

40 20 0 40'

1"=40'–0"

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25 FIELD COURT
SITE CHARACTERIZATION

SCALE: 1"=40'

SCG EXCEEDANCES IN SUBSURFACE SOIL

FIGURE 4-4

F:\150\D 150\Fig 4\4.dwg 11X17 12/20/2016 11:25:05 AM

As shown above, acetone was detected exceeding unrestricted use SCOs in several subsurface soil samples. In addition, copper was detected exceeding unrestricted use SCOs at soil sample location FCSB-12 (20'-22') located at the Ulster County Rail Yard. It should be noted that of the analytical results for several pesticide compounds were rejected by the data validation process for the two subsurface soil samples FCSB-08 (16.5'-18.5') and FCSB-12 (20'-22'). The rejected analytical results include the pesticide compounds beta-BHC, endosulfan I, endosulfan II, endrin, and methoxychlor. The rejection of this soil sample analytical data is further discussed in Section 4.7.

4.6 Groundwater Samples

Groundwater samples were collected from six discrete depth groundwater probe locations (FCGP-01 through FCGP-04, FCGP-06, and FCGP-07) as well as from the six newly installed monitoring wells (FCMW-01 through FCMW-06). The discrete depth groundwater probe samples were analyzed for TCL VOCs+10. The monitoring well groundwater samples were analyzed for TCL VOCs+10, and three samples were also analyzed for TCL SVOCs+20, 1,4-Dioxane, pesticides, PCBs, unfiltered and filtered TAL metals, mercury, cyanide, and full PFAs.

Discrete Depth Groundwater Samples

Discrete depth groundwater samples were collected from depths ranging from 25 to 70 feet bgs with samples collected from four discrete depth intervals at locations FCGP-02 and FCGP-07. The groundwater data was compared to Class GA groundwater standards and guidance values. Compounds detected in the discrete depth groundwater samples above SCGs are summarized in Table 4-5 below. Figure 4-5 summarizes exceedances of NYSDEC Class GA groundwater standards or guidance values in groundwater, including discrete depth groundwater probe locations.

Table 4-5: Discrete Depth Groundwater Sample Results Exceeding SCGs

Sample Location	FCGP-01 (26'- 30')	FCGP-02 (26'- 30')	FCGP-02 (36'- 40')	FCGP-02 (46'- 50')	FCGP-02 (52'- 58')	FCGP-03 (26'- 30')	NYSDEC Class GA Standard or Guidance
Date	7/17/18	7/18/18	7/18/18	7/18/18	7/18/18	7/19/18	
Cis-1,2-Dichloroethylene (ug/l)	U	U	U	U	U	U	5
PCE (ug/l)	***53***	***82***	***200***	***170***	***76***	***210***	5
TCE (ug/l)	***5.0***	***29***	***23***	***47***	***110***	***9.0***	5

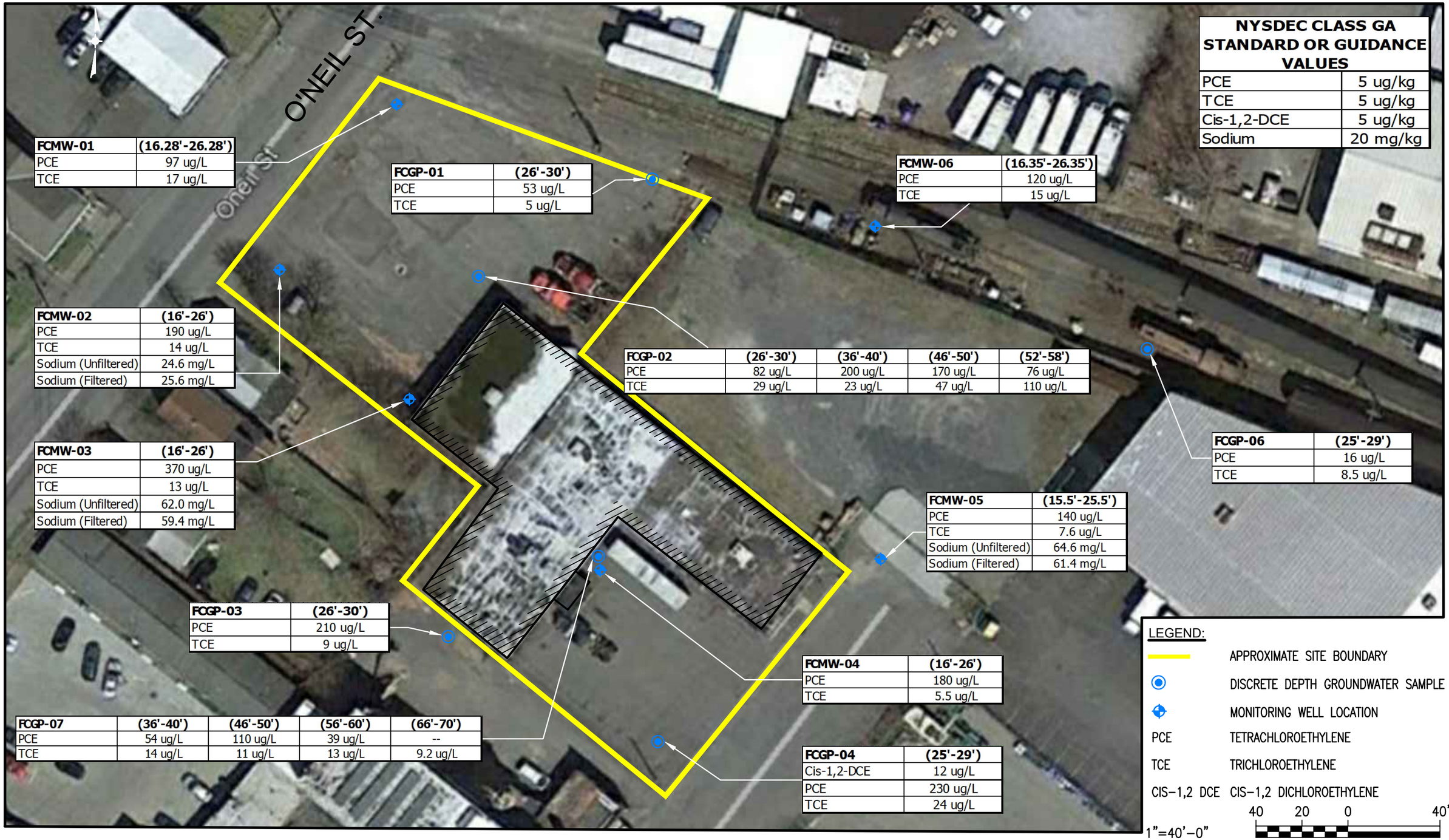
Sample Location	FCGP-04 (25'- 29')	FCGP-06 (25'- 29')	FCGP-07 (36'- 40')	FCGP-07 (46'- 50')	FCGP-07 (56'- 60')	FCGP-07 (66'- 70')	NYSDEC Class GA Standard or Guidance
Date	7/19/18	7/19/18	7/24/18	7/24/18	7/24/18	7/24/18	
Cis-1,2-Dichloroethylene (ug/l)	***12***	U	U	U	U	U	5
PCE (ug/l)	***230***	***16***	***54***	***110***	***39***	3.3	5
TCE (ug/l)	***24***	***8.5***	***14***	***11***	***13***	***9.2***	5

Notes:
ug/l: Micrograms per liter
U: Analyzed for but not detected
Bold**:** Exceeds SCG

As shown above, all of the samples collected exhibited the presence of TCE at concentrations above the NYSDEC Class GA groundwater standards or guidance values and eleven of the twelve samples collected exhibited the presence of PCE at concentrations above the Class GA groundwater standards or guidance values. Only one sample collected exhibited the presence of cis-1,2-Dichloroethylene exceeding Class GA groundwater standards at a concentration of 12 ug/l. Concentrations of TCE ranged from a low of 5 ug/l to a high of 110 ug/l. Concentrations of PCE ranged from a low of 3.3 ug/l to a high of 230 ug/l.

Groundwater Monitoring Well Samples

Groundwater monitoring well samples were collected from depths ranging from 15.5 to 26 feet bgs. The groundwater data was compared to Class GA groundwater standards and guidance values. Compounds detected in the groundwater monitoring well samples above SCGs are summarized in Table 4-6 below. Figure 4-5 summarizes exceedances of SCGs in groundwater, including from monitoring well locations.



NYSDEC CLASS GA STANDARD OR GUIDANCE VALUES	
PCE	5 ug/kg
TCE	5 ug/kg
Cis-1,2-DCE	5 ug/kg
Sodium	20 mg/kg

FCMW-01	(16.28'-26.28')
PCE	97 ug/L
TCE	17 ug/L

FCGP-01	(26'-30')
PCE	53 ug/L
TCE	5 ug/L

FCMW-06	(16.35'-26.35')
PCE	120 ug/L
TCE	15 ug/L

FCMW-02	(16'-26')
PCE	190 ug/L
TCE	14 ug/L
Sodium (Unfiltered)	24.6 mg/L
Sodium (Filtered)	25.6 mg/L

FCGP-02	(26'-30')	(36'-40')	(46'-50')	(52'-58')
PCE	82 ug/L	200 ug/L	170 ug/L	76 ug/L
TCE	29 ug/L	23 ug/L	47 ug/L	110 ug/L

FCGP-06	(25'-29')
PCE	16 ug/L
TCE	8.5 ug/L

FCMW-03	(16'-26')
PCE	370 ug/L
TCE	13 ug/L
Sodium (Unfiltered)	62.0 mg/L
Sodium (Filtered)	59.4 mg/L

FCMW-05	(15.5'-25.5')
PCE	140 ug/L
TCE	7.6 ug/L
Sodium (Unfiltered)	64.6 mg/L
Sodium (Filtered)	61.4 mg/L

FCGP-03	(26'-30')
PCE	210 ug/L
TCE	9 ug/L

FCMW-04	(16'-26')
PCE	180 ug/L
TCE	5.5 ug/L

FCGP-07	(36'-40')	(46'-50')	(56'-60')	(66'-70')
PCE	54 ug/L	110 ug/L	39 ug/L	--
TCE	14 ug/L	11 ug/L	13 ug/L	9.2 ug/L

FCGP-04	(25'-29')
Cis-1,2-DCE	12 ug/L
PCE	230 ug/L
TCE	24 ug/L

LEGEND:

- APPROXIMATE SITE BOUNDARY
- DISCRETE DEPTH GROUNDWATER SAMPLE
- MONITORING WELL LOCATION
- PCE TETRACHLOROETHYLENE
- TCE TRICHLOROETHYLENE
- CIS-1,2 DCE CIS-1,2 DICHLOROETHYLENE

1"=40'-0"

40 20 0 40'

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25 FIELD COURT
SITE CHARACTERIZATION

SCALE: 1"=40'

SCG EXCEEDANCES IN GROUNDWATER

FIGURE 4-5

Table 4-6: Groundwater Monitoring Well Sample Results Exceeding SCGs

Sample ID / Sample Depth	FCMW-01 (16'- 26')	FCMW-02 (16'- 26')	FCMW-03 (16'- 26')	FCMW-04 (16'- 26')	FCMW-05 (15.5'- 25.5')	FCMW-06 (16'- 26')	NYSDEC Class GA Standard or Guidance
Date	8/7/18	8/7/18	8/7/18	8/7/18	8/7/18	8/7/18	
PCE (ug/l)	***97***	***190***	***370***	***180***	***140***	***120***	5
TCE (ug/l)	***17***	***14***	***13***	***5.5***	***7.6***	***15***	5
Sodium (Unfiltered) (mg/l)	-	***24,600***	***62,000***	-	***64,600***	-	20,000
Sodium (Filtered) (mg/l)	-	***25,600***	***59,400***	-	***61,400***	-	20,000

Notes:
ug/l: Micrograms per liter
mg/l: Milligrams per liter
U: Analyzed for but not detected
Bold**:** Exceeds SCG
- : Sample not analyzed for compound

As shown above, PCE and TCE were detected in all of the monitoring well groundwater samples above their respective NYSDEC Class GA groundwater standard. Concentrations detected were similar to the concentrations detected in the discrete depth groundwater samples. In addition, sodium was detected in exceedance of its NYSDEC Class GA groundwater standard in all samples for which it was analyzed. Per and poly fluorinated alkyl substances were detected in each of the three groundwater samples analyzed for these compounds. Concentrations of TCE ranged from a low of 5.5 ug/l to a high of 17 ug/l. Concentrations of PCE ranged from a low of 97 ug/l to a high of 370 ug/l. Concentrations of sodium ranged from a low of 24,600 mg/l to a high of 64,600 mg/l.

4.7 Data Usability Summary Report

A total of 20 groundwater samples, 32 soil samples, 11 air/soil vapor samples, 1 field duplicate, 4 trip blanks and 1 field blank were collected for analysis as part of the remedial investigation completed at the 25 Field Court, Kingston, New York Site between July 11, 2018 and August 29, 2018. Air samples were submitted to Test America Laboratories, Inc. located in South Burlington, Vermont for analysis of Volatile Organic Compounds (VOCs) by United States Environmental Protection Agency (USEPA) method TO-15. Groundwater and soil samples were submitted to Test America Laboratories, Inc. located in Amherst, NY, for analysis of VOCs by USEPA method 8620C; selected samples were also analyzed for Semi-volatile Organic Compounds (SVOCs) by USEPA method 8270D and 1,4-Dioxane by USEPA

method 8270D SIM; Pesticides by USEPA method 8081B; Polychlorinated Biphenyls (PCBs) by USEPA method 8082A; Metals by USEPA method 6010C; mercury by USEPA method 7470A or 7471B; and/or and cyanide by USEPA method 3550C. In addition, three groundwater samples were submitted to Test America Laboratories, Inc. located in Sacramento, California for analysis of Per- and Poly-Fluorinated Alkyl Substances (PFAs) by USEPA method 537.

Test America Laboratories, Inc. provided 5 NYSDEC Analytical Services Protocol (ASP) Category B Sample Deliverable Group (SDG) laboratory packages [200-44354 (air data), 320-42723 (water PFAs data), 480-138814 (soil and water data), 480-139432 (water data) and 480-140226 (water data)] for review. These data packages were reviewed by Ms. Donna Brown, D&B's Quality Assurance/Quality Control (QA/QC) Officer. Ms. Brown meets the New York State Department of Environmental Conservation (NYSDEC) requirements of a data validator as listed in the DER-10 Technical Guidance for Site Investigation and Remediation, dated June 2010. The review of the data was conducted in accordance with NYSDEC 7/05 ASP QA/QC requirements, as well as DER-10. Two waste characterization samples were collected in SDG 480-140226 did not require data validation and therefore are not included in this discussion.

All samples were analyzed using the proper methods and within the method-specified holding times, in accordance with the 2005 NYSDEC ASP. The internal standard area counts and spike recoveries were within QC limits except where noted below. Initial and continuing calibrations were analyzed at the method specified frequency and were within QC limits. Raw data confirmed the reported sample results. It should be noted that the following sample analytical results were qualified as rejected: the full SVOC analysis of dry well sediment sample DWSS-03 (1.5'-2.5'), five pesticides analyzed from soil samples FCSB-08 (16.5'-18.5') and FCSB-12 (20'-22'), and the full pesticides analysis from soil sample FCSB-13 (0.5'-2.5'). Further information regarding the rejection of this data can be found in the validation summary below. The following sample results were qualified based on validation of the data:

- The following were detected in the trip, field and/or method blanks and were qualified as non-detect (UB): VOC acetone in samples FCGP-07 (66'-70'), FCGP-06 (25-29), FCSB-04 (0-0.5), FCSB-04 (17.5-19.5), FCSB-05 (18-19), FCSB-09 (21.5-23.5) and

FCSB-05 (15.5-17); VOC toluene in samples DWSS-04 (9-10), FCSB-06 (20-22) and FCSB-07 (17-19); SVOC bis(2-ethylhexyl) phthalate in samples FCSB-13 (0.5-2.5), FCSB-14 (0.5-2.5) and FCSB-15 (0.5-2.5); SVOC diethyl phthalate in sample FCSB-13 (0.5-2.5); SVOC naphthalene in sample FCSB-03 (17-19); SVOC di-n-butyl phthalate in samples FCMW-02, FCMW-03 and FCMW-05; pesticide gamma-BHC in samples FCSB-04 (17.5-19.5), FCSB-10 (16.5-18.5) and FCSB-09 (21.5-23.5); pesticide delta-BHC in samples FCSB-04 (17.5-19.5) and FCSB-10 (16.5-18.5); total manganese in sample FCMW-02; total zinc in samples FCMW-02, FCMW-03 and FCMW-05; dissolved zinc in samples FCMW-02 and FCMW-03; cyanide in sample FCSB-10 (16.5-18.5); and sodium in samples FCSB-09 (21.5-23.5) and FCSB-05 (15.5-17).

- The percent recoveries (%Rs) were below QC limits in the laboratory control sample (LCS), LCS duplicate, matrix spike (MS) and/or MS duplicate, and were qualified as an estimated detection limit (UJ) or estimated value (J) in the following: all VOCs except bromomethane, chloroethane, dichlorodifluoromethane, methyl acetate, methyl tert-butyl ether and methylene chloride associated with samples DWSS-01(5'-6'), DWSS-03(1.5'-2.5'), DWSS-04(9'-10'), FCSB-12(0'-0.5'), FCSB-12(20'-22'), FCSB-06(0'-0.5'), FCSB-06(20'-22'), FCSB-07(4"-10"), FCSB-07(17'-19'), FCSB-01(4"-10"), FCSB-01(16'-18')and FCSB-01A(0-2"); VOCs 1,2-dichlorobenzene and methyl acetate associated with samples TRIP BLANK, FCGP-02(26'-30'), FCGP-02(36'-40'), FCGP-02(46'-50'), FCGP-02(52'-58') and FCGP-03(26'-30'); and VOCs 1,1,2,2-tetrachloroethane, 1,2-dibromo-3-chloropropane, 1,2-dibromoethane, 1,2-dichloroethane, 2-butanone (MEK), 4-methyl-2-pentanone (MIBK), acetone and chloroethane in samples FCSB-10(16.5'-18.5'), FCSB-04(0'-0.5'), FCSB-04(17.5'-19.5'), FCSB-09(0-0.5'), FCSB-09(21.5'-23.5'), FCSB-05(1'-1.5'), FCSB-05(15.5'-17'), FCSB-05(18'-19.5') and FCSB-10(0-0.5').

- The SVOC %Recoveries (%Rs) were zero for all surrogates in sample DWSS-03(1.5'-2.5'). All SVOCs were qualified as unusable (R) in sample DWSS-03(1.5'-2.5').

- The SVOC %Rs were below the QC limits for surrogate's phenol-d5 and 2-fluorophenol in sample FCSB-07(17-19). This sample was reanalyzed outside of holding time with surrogates within QC limits. No SVOCs were detected in the sample and the original sample was reported with the following compounds qualified as an estimated detection limit (UJ): 2-chlorophenol, 2-methylphenol, 4-methylphenol, acetophenone, benzaldehyde, bis(2-chloroethyl)ether, hexachloroethane, n-nitrosodi-n-propylamine and phenol.

- The pesticide %Rs were zero for beta-BHC, endrin, endosulfan I, endosulfan II and methoxychlor in the MS and MSD associated with samples DWSS-03 (1.5'-2.5'), FCSB-13 (0.5'-2.5'), FCSB-12 (20'-22') and FCSB-08 (16.5'-18.5'). Beta-BHC, endrin, endosulfan I, endosulfan II and methoxychlor were qualified as unusable (R) in samples DWSS-03 (1.5'-2.5'), FCSB-13 (0.5'-2.5'), FCSB-12 (20'-22') and FCSB-08 (16.5'-18.5').

- The pesticide %R was above the QC limit for 4,4'-DDD was qualified as estimated (J) in sample FCSB-12 (20'-22').

- The pesticide %Rs were zero for all surrogates in sample FCSB-13(0.5'-2.5'); zero for tetrachloro-m-xylene in sample DWSS-03(1.5'-2.5'); and zero for decachlorobiphenyl in sample FCSB-05(15.5'-17'). All pesticides were qualified as unusable (R) if not detected and estimated bias low (JL) if detected in sample FCSB-13(0.5'-2.5') and DWSS-03(1.5'-2.5').

- The %R was below the QC limit in the LCS for cyanide and was reanalyzed outside of holding times for samples FCMW-02, FCMW-03 and FCMW-05. The original analyses were reported and qualified as estimated (J/UJ) in associated samples

- The metals %Rs in the spike were below the QC limits and were qualified as estimated (J/UJ) in the following: antimony, copper and zinc in samples DWSS-03(1.5'-2.5'), FCSB-12(20'-22') and FCSB-13(0.5'-2.5'); cyanide associated with samples DWSS-03(1.5'-2.5'), FCSB-12(20'-22'), FCSB-10(16.5'-18.5') and FCSB-04(17.5'-19.5'); and antimony in samples FCSB-10(16.5'-18.5'), FCSB-04(17.5'-19.5') and FCSB-08(16.5'-18.5').

- The metals %Rs in the spike were above the QC limits and were qualified as estimated (J) only if detected in the following: barium, potassium and vanadium in the matrix spike associated with samples DWSS-03(1.5'-2.5'), FCSB-12(20'-22') and FCSB-13(0.5'-2.5') and aluminum, arsenic, barium, chromium, lead, magnesium, nickel, potassium, vanadium and zinc associated with samples FCSB-10(16.5'-18.5'), FCSB-04(17.5'-19.5') and FCSB-08(16.5'-18.5').

- The metal relative percent difference (RPD) was above the QC limits in the duplicate for copper associated with DWSS-03(1.5'-2.5'), FCSB-12(20'-22') and FCSB-13(0.5'-2.5') and arsenic, chromium, lead and nickel associated with FCSB-10(16.5'-18.5'), FCSB-04(17.5'-19.5') and FCSB-08(16.5'-18.5'). The above metals were qualified as estimated (J) in the associated samples.

- The metal %D was above the control limits for calcium and magnesium in the serial dilution and were qualified as estimated (J/UJ) in all samples for SDG 480-138814.

Based on the findings of the data validation process, the results have been deemed valid and usable for environmental assessment purposes, with the exception of the results that were rejected, as qualified above. Although some sample analytical data was rejected, due to the known history of the Site described in Sections 2.3 and 2.4, and due to the layout and quantity of samples qualified as usable data, the rejected data does not affect the ability to identify

environmental concern associated with the Site. Copies of the data usability summary reports are provided in Appendix J.

5.0 CONCLUSIONS AND RECOMMENDATIONS

5.1 Conclusions

This section presents conclusions regarding the likely source(s) of the chlorinated solvent groundwater contaminant plume at the Site and 2) whether the contamination poses a threat to public health and/or the environment.

- Soil Vapor, Sub-Slab, Indoor Air & Outdoor Air Samples: Several VOCs were detected in the soil vapor, sub-slab soil vapor, indoor air and outdoor ambient air samples. PCE and TCE were detected at elevated levels within all soil vapor and sub-slab soil vapor samples PCE and TCE were detected at concentrations for which the NYSDOH Decision Matrices would recommend mitigation. As the concentrations of PCE and TCE were elevated in both soil vapor and sub-slab soil vapor samples collected both outside and beneath the Site building, these detections can most likely be attributed to the chlorinated solvent plume discussed below.

- Dry Well Sediment Samples: Contaminants detected in dry well sediment samples that exceeded unrestricted SCOs included acetone, metals, and one PCB. Although above unrestricted SCOs, as the Site use is likely to remain as commercial or industrial use, the dry well sediment is not considered an area of concern.

- Shallow Soil Samples: The shallow interior soil samples all exhibited PCE at concentrations above unrestricted use and protection of groundwater SCOs, while no shallow exterior soil samples exhibited PCE at concentrations exceeding SCOs. This suggests that the soil beneath the Site building is a potential source of PCE contamination which is likely a result of prior commercial/industrial uses at the Site. Acetone exceeded unrestricted and protection of groundwater SCOs at several exterior shallow soil sample locations. Metals exceeded unrestricted SCOs at one shallow interior soil sample location. Polycyclic aromatic hydrocarbons (PAHs) were detected in exceedance of unrestricted, protection of groundwater, and commercial SCOs from shallow soil samples located at the Ulster County Rail Yard and at 11 Field Court. The elevated levels of PAHs are likely a result of prior commercial/industrial uses at the Site. As neither the acetone or metals exceedances were above commercial SCOs, these detections are not a concern for the Site as it is anticipated to remain a commercial property in the future.

- Subsurface Soil Samples: Acetone exceeded unrestricted SCOs in several subsurface soil samples. Copper was detected exceeding unrestricted use SCOs at one subsurface soil sample located at the Ulster County Rail Yard. As neither the acetone or copper exceedances were above commercial SCOs, these detections are not a concern for the Site as it is anticipated to remain a commercial property in the future.

- Groundwater Samples: Discrete depth groundwater samples and monitoring well groundwater samples detected TCE exceeding NYSDEC Class GA groundwater standards at all sample locations, and PCE at exceeding NYSDEC Class GA groundwater standards at seventeen of the eighteen groundwater sample locations. Discrete depth groundwater samples and monitoring well groundwater samples detected TCE and PCE exceedances at similar concentrations. In addition, cis-1,2-dichloroethylene was detected exceeding SCGs in one discrete depth groundwater sample. PCE in groundwater was detected at higher concentrations on the southern and western portions of the study area, with the highest concentration directly adjacent to the west side of the building at FCMW-03 at a concentration of 370 ug/L. Elevated concentrations of PCE and TCE were detected to depths of 70 feet below ground surface, however, the highest concentrations were detected at the water table.

Because the only exceedances of PCE in soil samples were located below the Site building, it is possible that historic Site operations that occurred in the vicinity of the Site building at 25 Field Court contributed to this identified contamination. Also, given the Site's described historic use as a drapery manufacturing facility, an automobile repair facility, a tire service and welding facility, and a welding and lawn mower repair facility, it is possible that chlorinated solvents were used for various purposes at the Site. Because PCE concentrations exceed the NYSDEC SCO Protection of Groundwater it is likely groundwater is impacted from these soils. Although PCE and TCE exceedances were highest in groundwater at sample locations on the southern and western sides of the study area downgradient from the Site building, PCE and TCE were also detected in exceedance at the sample locations on the north and east side of the study area upgradient of the Site building. Additionally, as discussed in Section 2.0, various historical industrial properties surround the Site, including 117 Tremper Avenue, 77 Cornell Street and 85 Grand Street, located upgradient of the Site have documented chlorinated solvent use and/or disposal. Therefore, upgradient sources may be contributing to the groundwater and soil vapor contamination associated with the Site.

5.2 Recommendations

This section presents recommendations regarding if any threat posed by the contamination requires further investigation, based on the results of the SC.

- Soil Vapor, Sub-Slab, Indoor Air & Outdoor Air Samples: Based on the results of the sampling, mitigation of the identified sub-slab soil vapor is recommended for the Site building. Soil vapor intrusion studies should also be performed in buildings surrounding the Site.

- Shallow Soil Samples: Further soil evaluation is recommended to determine if a source of chlorinated solvents exists beneath the Site building at 25 Field Court. Any redevelopment plans for the rail yard should consider the elevated PAHs found in the shallow soil.

- Groundwater Samples: Further groundwater evaluation is recommended to determine if a source of chlorinated solvents exists beneath the Site building at 25 Field Court. Additionally, further investigation into the source of the apparent groundwater plume including a records search of the above three properties of interest identified above, as well as implementation of an offsite sampling program is recommended to identify the source of the chlorinated solvent groundwater plume identified during this SC.

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APPENDIX A

GROUNDWATER ELEVATION DATA AND FIGURES

25 FIELD COURT SITE
SITE CHARACTERIZATION

Table A-1: Groundwater Elevation Measurements						
	LOCATION		GROUND ELEVATION	TOP OF PVC RISER	DATE	
					8/7/2018	
WELL	NORTH	EAST	(U.S. Survey Ft.)	(U.S. Survey Ft.)	DTW	ELEV
FCMW-01	15231554.20	1911184.70	183.99	183.77	18.20	165.57
FCMW-02	15231482.30	1911131.40	184.41	184.16	18.93	165.23
FCMW-03	15231426.90	1911189.80	184.60	184.36	18.70	165.66
FCMW-04	15231353.00	1911273.30	183.60	183.33	18.80	164.53
FCMW-05	15231358.30	1911394.90	182.40	182.13	17.25	164.88
FCMW-08	15231502.90	1911393.60	185.26	184.96	18.60	166.36

NOTES

U.S.: United States
Ft.: Feet
DTW: Depth to water
ELEV: Elevation
Vertical Datum: North American Vertical Datum 88
Horizontal Datum: Universal Transverse Mercator (Zone 18)



D&B ENGINEERS AND ARCHITECTS, P.C.

25 FIELD COURT
SITE CHARACTERIZATION

SCALE: 1"=50'

GROUNDWATER SURFACE ELEVATION - JULY 2018

FIGURE A-1

APPENDIX B

Prior Reports

Phase I Environmental Site Assessment

Spada Property

25 Field Court
City of Kingston
Ulster County, New York

May 28, 2009

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1.0 INTRODUCTION

The Chazen Companies (TCC) performed a Phase I Environmental Site Assessment (ESA) for the property located at 25 Field Court, City of Kingston, New York ("the site").

The site is an approximate 12,000-square foot, single-story vacant commercial structure. The main portion of the building was most recently occupied by Wonderly's, a commercial curtain manufacturer for cutting and sewing of fabric. Wonderly's vacated the site approximately two to three years ago. The east wing of the site building was occupied by a mental health outpatient facility for Benedictine Hospital. Benedictine vacated the site in December 2008. Other historic known uses of the site building included a bar/restaurant known as Walnut Grove, business offices for unemployment insurance, and New York Telephone Company. In addition, historic structures on the site included an auto repair garage and two residences.

The surrounding area has historically been commercial/industrial in nature and included a rail road adjacent to the north, a T-shirt manufacturer adjacent to the south and various manufacturers to the east.

1.1 Purpose

The purpose of this Phase I ESA is to reasonably identify potential or known recognized environmental conditions (RECs) as defined by ASTM E 1527-05. The ASTM Standard Practice allows a lender or property owner to satisfy one of the requirements necessary to qualify for either the innocent landowner, contiguous property owner, or bona fide prospective purchaser defenses for liability protection under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). RECs are defined as "the presence or likely presence of any hazardous substances (including wastes) or petroleum products on a property under conditions that indicate an existing release, a past release, or a material threat of a release of any such products into structures, the ground, groundwater, or surface water of the property".

1.2 Scope of Services

The methodology employed for the performance of this Phase I ESA is consistent with, or exceeds the requirements of, ASTM E 1527-05 and comprises the following steps.

1.2.1 Review Existing Site Background Information (Current and Historical)

TCC reviewed existing background information including: historic aerial photographs, historic Sanborn fire insurance maps (if available), environmental databases, a current United States Geological Survey (USGS) topographic map, and local government records.

1.2.2 Site reconnaissance and Interviews

The site reconnaissance and interviews consisted of the following:

- A visual site reconnaissance, including review of operations, chemical/petroleum handling, waste management systems, and prior waste handling practices at the site.
- Visual observations of adjacent properties from the site and adjacent roadways.
- Interviews with the user, site owner, operator, and/or occupants, if identified and available.
- Interviews with identified past owners, operators, and occupants for which contact information was provided.
- Contacting regulatory and local officials to determine if the presence of hazardous substances or petroleum products has been a concern at the site.
- Assessment of the current and past use of hazardous substances and petroleum products (from visual observations and interviews with knowledgeable persons).
- Determination of the existence and use of site utilities.
- Visual assessment of the potential for asbestos containing material (ACM) and lead-based paint (LBP).

1.2.3 Environmental Regulatory Database Search

TCC obtained a commercially-available database report of a search of federal and state regulatory databases to determine the possible presence of hazardous substances or petroleum product at the site and/or within the search distances identified in ASTM E 1527-05.

Information obtained from the performance of these tasks is described in this Phase I ESA report in Sections 2.0 through 7.0 below. Conclusions regarding the findings of this investigation are provided in Section 8.0.

1.3 Qualifications

This Phase I ESA has been conducted by, and/or under the supervision of, a qualified environmental professional with the required level of education in an environmental field of study and experience in the performance of Phase I ESAs and ASTM Standard requirements. The Phase I ESA process has been guided and reviewed by a qualified environmental professional with the required years of ESA experience. These

qualifications are consistent with environmental professional requirements referenced in the ASTM E 1527-05 standard.

1.4 Significant Assumptions

Significant assumptions made in the performance of this Phase I ESA are as follows:

- Groundwater flow follows topographic gradients.
- Representations made during interviews are accurate.

1.5 Special Terms and Conditions

In addition to the standard ASTM E 1527-05 scope, this Phase I ESA also addresses the potential presence of asbestos-containing materials (ACMs), lead-based paint (LBP) as these issues have become common concerns and are considered prudent when completing a due-diligence pre-transaction inquiry. The visual evaluations performed by TCC with respect to these issues do not, however, constitute comprehensive surveys.

1.6 Limitations and Exceptions of Assessment

No ESA can wholly eliminate uncertainty regarding the potential for RECs in connection with a property. The performance of this Phase I ESA is consistent with ASTM Standard E 1527-05 and is intended to reduce, but not eliminate, such uncertainty regarding the potential for RECs in connection with a property, and this practice recognizes reasonable limits of time and cost. The information presented in this report is limited to the investigation conducted and described herein, and is not necessarily all inclusive of conditions present at the site.

This Phase I ESA is site specific in that it relates to the assessment of environmental conditions at the site. Opinions presented in this report apply to site conditions existing at the time of the TCC evaluation and may not necessarily apply to future site or surrounding area conditions. TCC can render no opinion as to the presence or absence of RECs in areas of the property where access was not provided or was limited.

The accuracy and completeness of the information provided by the sources referenced in this Phase I ESA report was not independently verified. Accordingly, TCC accepts no responsibility for any deficiencies, misstatements or inaccuracies contained in this report that occur as a result of misrepresentations, omissions, or fraudulent acts of the sources questioned or documentation provided. Persons knowledgeable of the site were interviewed only to the extent that these individuals were available and forthcoming during the investigation period.

This practice does not address whether requirements, in addition to all appropriate inquiry (AAI), have been met in order to qualify for the landowner liability protections (LLPs), including "the continuing obligation not to impede the integrity and effectiveness

of activity and use limitations (AULs), or the duty to take reasonable steps to prevent releases, or the duty to comply with legally required release reporting operations". Failure to meet continuing obligations may forfeit CERCLA liability protection.

Additionally, this practice does not address the requirements of any state or local laws, or any federal laws other than the AAI provisions of the LLPs. Users are cautioned that federal, state, and local laws may impose environmental assessment obligations that are beyond the scope of this practice.

Responses from public agencies typically can take three to four weeks to obtain. Client-imposed time constraints that are less than what is considered to be a reasonable timeframe by this standard (i.e. 20 days) may result in a data gap that could affect CERCLA liability protection.

1.7 Deviations

Deviations from the ASTM standard included discussing the potential presence of asbestos and lead which are often common environmental concerns during property transactions.

1.8 User Reliance

This report is intended for the sole and exclusive use of Orthopedic Associates of Dutchess County and 25 Field Court, LLC, and not for the benefit use of others, and may not be used or relied upon by others. The findings of the report are limited to those specifically expressed in the report and no other representations can be relied upon other than those expressly stated in the report and as limited by TCC's terms and conditions.

This Phase I ESA report is considered valid under one of the two following conditions:

1) It was (a) completed less than 180 days prior to the date of acquisition or (for transactions not involving an acquisition) the date of the intended transaction, and (b) the user(s) satisfies the user's responsibilities identified in Section 3.

2) It was (a) completed within one year prior to the date of acquisition or (for transactions not involving an acquisition) the date of the intended transaction; (b) the following components were conducted or updated within 180 days of the acquisition or transaction: interviews, search for environmental cleanup liens, review of government records, visual inspection of the property and adjoining properties, and declaration by the environmental professional; and (c) the user(s) satisfies the user's responsibilities identified in Section 3.

2.0 SITE DESCRIPTION

2.1 Site Location and Total Site Area

The Spada Property is an irregular-shaped parcel of land located at 25 Field Court, City of Kingston, Ulster County, New York approximately 200 feet north of the intersection of Broadway and Field Court.

The site is an approximate 0.8 acre property comprised of one tax lot identified on the City of Kingston tax map as Section 56.25, Block 3, Lot 35.

A map illustrating the site location is attached as Figure 1 and a copy of the City of Kingston tax map is included as Figure 2. An orthophoto of the site is provided as Figure 3. A site plan is included as Figure 4.

2.2 Current Site Uses/Operations

The site is currently a vacant, single-story commercial building. The most recent site occupant was the Benedictine Hospital mental health outpatient facility which the east wing of the building. Benedictine vacated the site in December 2008. The remainder of the site building has been vacant for approximately two to three years and was previously occupied by Wonderly's, a curtain manufacturer. Site operations by Wonderly's reportedly in included cutting and sewing of fabric. The main manufacturing facility for Wonderly's is currently located across the street, adjacent to the east-northeast of the site.

Site reconnaissance photographs, depicting observed property conditions are included in Appendix A.

2.3 General Site Configuration

The site is an irregularly-shaped parcel of land. The site building is located centrally on the site parcel. The southern and northern portions of the site are macadam parking lots.

2.3.1 Roadways On or Adjoining the Site

The site has approximately 125 feet of frontage along the northwest side of Field Court and approximately 120 feet of frontage along the southeast side of O'Neil Street.

2.3.2 Easements and Right of Ways

There are no known easements or right-of-ways on the site. However, copies of deeds were not provided to confirm the absence of easements.

2.4 Structures

2.4.1 Description of Structures

There is one, single-story 12,306 square-foot commercial structure on-site. The site building was constructed in 1966 and is comprised of concrete block on slab with brick façade.

2.4.2 Heating/Cooling Systems

The site is served by natural gas. The heating system includes a natural gas boiler located within the building which was reportedly replaced approximately one year ago. Baseboard heating is present throughout the site building. Air conditioning enters the building through forced air ceiling vents and is provided by HVAC units located on the roof of the building. There were no other indications of potential (historic) heating fuels at the site.

2.5 Site Utilities

2.5.1 Potable Water

Potable water is obtained from the municipal water supply. No information regarding historic private water supply wells was identified.

2.5.2 Sanitary Sewage Disposal Systems

Sanitary sewage generated by the property is discharged to the municipal sanitary sewer. No information regarding historic septic systems was identified.

2.5.3 Storm Sewer Disposal

Stormwater catch basins were noted at the northwest end site and reportedly discharge to the municipal storm sewer. In addition, stormwater catch basins were served along Field Court, adjacent to the eastern boundary of the site.

2.5.4 Electricity

Electricity is provided to the site by Central Hudson Gas and Electric Corp. (CHG&E) and is supplied by a single pole-mounted transformer located adjacent to the site, near the northeast corner of the site building.

2.5.5 Natural Gas

Natural gas is also provided by CHG&E and is connected to the south side of the eastern wing of the building.

2.6 Topographic Description

Site topography is relatively flat. A review of the United States Geologic Survey (USGS) Topographic Map (Kingston West, New York Quadrangle) indicates that the surface elevation of the site is approximately 180 feet above mean sea level (msl) (see Figure 1). Topography in the vicinity of the site is relatively flat with a gradual downward slope to the west-northwest towards the Esopus Creek.

2.7 Site Soils and Geology

A review of the Surficial Geologic Map of New York (Lower Hudson Sheet, 1989) indicates that surficial soils in the area of the site are mapped as Lacustrine delta comprised of fine gravel and sand. The United States Department of Agriculture (USDA) Soil Conservation Service's Soil Survey of Ulster County, New York maps soils on the site as being composed of Riverhead fine sandy loam, 0 to 3 percent slopes. Soils in this classification are described as deep, well drained, nearly level soil formed mainly in water-laid deposits from streams that entered glacial lakes.

Bedrock in the area of the site is greater than 80 inches below grade according to the above-referenced Soil Survey and Surficial Geologic Map and is mapped on the Geologic Map of New York (Lower Hudson Sheet, 1970) as Lower to Middle Devonian-aged rocks of the Onondaga Limestone and Ulster Group consisting of limestone, siltstone and shale.

2.8 Site Hydrology and Hydrogeology

No surface water bodies were noted on the property. The surrounding water body in closest proximity of the site is the Esopus Creek located approximately 3,200 feet northwest of the site. This water body flows in a northerly direction.

Groundwater flow is best determined using site-specific well data and may be affected by surface topography, hydrology, hydrogeology, and characteristics of the soil and nearby wells. No site-specific well data or hydrology information was provided or is known to exist for the site. In the absence of site-specific data, other sources of information are typically used including surface topographic information, hydrogeologic information collected from nearby properties, etc.

Based on a review of available information, including area topography, groundwater flow in the area of the site is expected to be northwesterly towards the Esopus Creek. On-site groundwater flow, however, is likely to be influenced by local geologic conditions.

2.9 Surrounding Land Uses

The surrounding land uses, as identified during the site reconnaissance and from other available sources, are described as follows:

Direction	Adjoining	Surrounding
North	- City of Kingston municipal parking - Railroad - Boice Brothers Dairy	- Residential
East	- Ulster Electric Supply Co. - Wonderly's warehouse	- Commercial
South	- Catstkill Custom Carpentry - Residence	- Commercial (along Broadway) - Residential
West	- Schabot's Auto Body - American Red Cross - Storage building for Kingston Furniture and Mattress	- Commercial - Residential

3.0 USER PROVIDED INFORMATION

Josephine Class, the Chief Administrative Officer for Orthopedic Associates of Dutchess County, the user of this Phase I ESA, completed the User Questionnaire. A copy of the questionnaire is included in Appendix D.

3.1 Title records

A copy of the March 2009 Title Abstract was provided to TCC. According to this abstract, the site has been owned by Michael and Betty Spada since April 5, 1983 and a Certificate of Occupancy (CO) Search indicates that the property predates the local zoning laws for the City of Kingston and no violations of record have been found. A copy of the deed for the property was not included in the abstract.

3.2 Environmental Liens or Activity and Use Limitations (AULs)

The user is not aware of environmental cleanup liens against the property. The user is not aware of AULs, such as engineering controls, land use restrictions, or institutional controls that are in place at the site and/or have been filed or recorded in a registry under federal, tribal, state, or local law.

3.3 Specialized Knowledge

The user does not have specialized knowledge or experience related to the property or nearby properties.

3.4 Commonly Known or Reasonably Ascertainable Information

The user is not aware of commonly known or reasonably ascertainable information (i.e. past uses, specific chemicals currently or historically present, spills or chemical releases, environmental cleanups) about the property that would help identify conditions indicative of a release or threatened releases. However, the user is aware of the historic occupancy of the site which included a curtain manufacturer, offices for unemployment insurance, a hospital outpatient clinic, a bar/restaurant.

3.5 Valuation Reduction for Environmental Issues

The user considers the purchase price to be a reasonable reflection of the property's fair market value and is not aware of a reduction to the purchase price because of environmental issues.

3.6 Reason for Performing the Phase I ESA

The user has indicated that their purpose for this Phase I ESA is to help evaluate their business risk associated with purchase of the property.

4.0 SITE AND SURROUNDING AREA HISTORICAL REVIEW

4.1 Summary

4.1.1 Site

Based on the historical sources reviewed as part of this Phase I ESA, as well as interviews conducted with knowledgeable individuals, the current site building was historically occupied by a custom drapery manufacturer known as Wonderly's, offices for unemployment insurance, New York Telephone Co. a bar/restaurant known as Walnut Grove, and a billiard parlor known as Thunderbird Lounge. It appears that the site building was occupied for single use until 1997 when renovations were made to for the Benedictine outpatient clinic at the east wing of the building.

Historic information also indicate that the northwest end of the site (current parking lot area off of O'Neil Street) historically contained an auto repair garage and two residences. Based on available mapping, these structures were built prior to 1950 and demolished in the early 1980s.

4.1.2 Adjoining/Surrounding Properties

Based on the historical sources reviewed as part of this Phase I ESA, the surrounding area has historically be commercial/industrial in nature. Previous adjoining property uses have included a T-Shirt factory to the south; warehouse, stationary company, and stone tub and septic tank manufacturer to the east; auto body repair shop(s) to the west; and produce company to the north. In addition, The Kingston Coal and Oil Company was historically located nearby to the east and a railroad adjacent to the north.

4.2 Title Search Information

Information available from the City of Kingston Building Safety Division indicates that the property (Section 56.25 Block 3, Lot 35) has been owned by Michael and Betty Spada since 1965. Prior ownership history is presented in table below. A property/deed abstract was not performed under the scope of this Phase I ESA.

Historic Property Ownership

From	To	Date
Lillian Perry	Michael and Betty Spada	March 30, 1965
Jerry Staples	Lillian Perry	May 1962
Alva S. Staples	Jerry Staples	May 1962

4.3 Sanborn Fire Insurance Maps

Environmental Data Resources, Inc. (EDR), owner of the historic Sanborn Fire Insurance Map collection, was contacted to provide Sanborn Fire Insurance Maps. Fire insurance maps indicate uses of properties at specified dates. These maps are one of the sources used to develop the historical use of the site and surrounding area. Sanborn maps for the years 1899, 1950, 1957, 1972, 1984 and 1987 were provided by EDR. Copies of the Sanborn Fire Insurance Maps are included in Appendix B.

Provided below is a summary of the information obtained from the comparative analysis of these maps.

1899: The site is mostly undeveloped with the exception of a residence at the northwest end of the site. Railroad tracks are located adjacent to the northernmost property line, and the surrounding area includes vacant land to the south-southwest and to the east, residential to the west-northwest, and a flour and feed warehouse north of the railroad. Nearby to the east, across Cornell Street, is a lumber and coal yard.

1950: In addition to the previously noted on-site residence, a long, rectangular building has been constructed on the north end of the site, and a second residential building has been constructed on the northwest end of the site, to the south of the original residence. A detached car garage is associated with the new residential structure. The new rectangular building is a one-story, concrete block building labeled "Tire Service and Welding".

Changes to the surrounding area include a new beer warehouse structure adjacent to the north-northeast. A gasoline tank is shown at the west corner of this adjoining building, closest to and approximately 35 feet from the property line. Additional surrounding properties include a large factory building adjacent to the south occupied by the Essenden Shirt Co.; a stone tub and septic tank manufacturer, whole stationary building and clothing manufacturer nearby to the east; and the addition of two detached garages associated with the adjoining residences. The nearby former lumber and coal yard is known as the Kingston Coal Co.

1957: The northwestern on-site rectangular building is shown as being occupied by a welding and lawnmower repair facility. There are no other changes to the site. North of the railroad an auto storage facility has been built.

1972: A large L-shaped structure has been built at the center of the site, in the location of the present day structure. The map indicates that both sections of the new building are occupied by a store. The northern on-site rectangular building is labeled as "auto repair". The two residences are still present at the northwest end of the site. In the surrounding area, the former manufacturing buildings to the east are now gone, except for the clothing manufacturer. North of the railroad, the former auto storage building is labeled "oil storage".

1984: There are no changes to the site or adjoining properties.

1987: There are no changes to the site or adjoining properties.

4.4 Aerial Photographs

A comparative analysis using historic aerial photographs was conducted to help develop the historical use of the site and surrounding area. Aerial photographs for the site and surrounding area for the years 1959, 1967, 1980 and 1986 were available from the Ulster County Soil and Water Conservation District Office. In addition, a 2004 digital orthophoto was available from the Office of Cyber Security and Critical Infrastructure Coordination and is included as Figure 3. Copies of the historic aerial photographs are included in Appendix B.

Provided below is a summary of the information obtained from the comparative analysis of these photographs.

1959: The southern portion of the site appears to be undeveloped, possibly macadam parking. The northern portion of the site includes a rectangular building, and two residential structures consistent with structures shown on historic Sanborn maps. A railroad abuts the northernmost site boundary. The surrounding area is heavily developed and includes commercial structures adjacent to the south and east, and residential properties west, and to the north of the railroad. Properties along Broadway (south) are commercial. A trapezoidal-shaped commercial building is located on the northeastern adjoining parcel, which is consistent with the former beer warehouse shown in historic Sanborn maps.

1967: There is an L-shaped structure at the center of the site, in the approximate location of the current site structure. The rectangular building and apparent residential structures remain on the northern half of the site. There appear to be two small structures which abut the northwest side of the L-shaped building which may be shed or garage structures associated with the western adjoining residences.

1980: There are no apparent significant changes to the site or surrounding area.

1986: A small addition has been made to the far north end of the site building, consistent with the configuration of the present day structure. The previously noted northern site structures are now gone and this portion of the site appears to be macadam parking. There are apparent significant changes to the surrounding area.

2004: There are no apparent changes to the site. The northeastern adjoining trapezoidal-shaped building is gone and this area appears o be used as macadam parking. An addition has been made to a nearby eastern commercial property. There are no other apparent significant changes to the surrounding area.

4.5 City Directories

EDR was contacted to provide a City Directory Abstract for the site address and adjoin parcel addresses to determine historic occupancy of the site and adjoining properties. City directories were searched by EDR for the following for the years: 1961, 1972, 1979, 1986, and 1989. A copy of the City Directory Abstract is included in Appendix B.

Provided below is a table summarizing the information obtained from search.

Year	25 Field Ct (site)	11 Field Ct (south)	20 Field Ct (east)	27 Field Ct (east)	21 Cornell St. (east)	36 O'Neil St. (north)
1961	New York Telephone Co.	NA	NA	NA	Livingston & LeFever Inc. (wholesale paper)	Zwick & Schwartz & Kingston Produce
1972	New York Telephone Co.	Vacant	NA	NA	NA	Zwick & Schwartz & Kingston Produce
1979	New York Telephone Co.	Kay's Dress Co. Inc.	NA	Kingston Wholesale Grocery Inc.	NA	Boice Brothers Dairy
1986	NA	Design Fabrications & KSJJ Industries	NA	Kingston Wholesale Grocers Inc.	NA	Boice Brothers Dairy
1989	NA	Design Fabrications	NA	Kingston Wholesale Grocers Inc.	NA	Boice Brothers Dairy

Note: NA = Not available

4.6 Municipal Records/ Local Government Interviews

4.6.1 Assessor's Office

Information on file with the City of Kingston Assessor's Office was reviewed by TCC on May 19, 2009. The Assessor's Office provided a copy of the electronic property card for the site. Reportedly, the Assessor's Office no longer maintains hardcopies of current or historic property cards or deeds. According to the site property card, the current site structure was built in 1966 and comprises 12,289 square feet. No information pertaining to the previous site structures was referenced on this card.

4.6.2 Building Department

Information on file with the City of Kingston Fire Department Building Safety Division was reviewed by TCC on May 26, 2009. These records include an old property card which provided site ownership history, discussed in Section 4.2, as well as building constriction date information. According to these records the site building was constructed in 1965 as a billiard parlor. An addition was made in 1966 for a snack bar. In 1982, another addition was added. In 1997 renovations were made to part of the building for an outpatient clinic for Benedictine Hospital. In addition, the property card on file included photographs which indicate that the site building was known as Thunderbird Lounge. Copies of Building Permits and the property card are included in Appendix D.

4.6.3 Local Historian

TCC contacted the local historian, Mr. Edwin Ford on May 22, 2009. Mr. Ford reported that the site building was occupied listed as far back as 1968 as being owned by Michael and Betty Spada. The New York Telephone Company used the building from at least 1970 through 1979 as offices, not for equipment use. Walnut Grove restaurant/banquet facility occupied the building in the 1980s.

4.7 Owner, Operator and Occupant Interviews

4.7.1 Property Owner/Key Site Representative

Contact information for the site owner was not provided. TCC provided an environmental questionnaire to the site's real estate agent, Mr. Mark Stryker to be submitted to and completed by the site owner. As of the date of this report, the completed questionnaire has not been returned. If received, it will be provided under separate cover. According to Mr. Stryker, the current owner has inherited the property from family and may not be aware of specific details pertaining to the site's history. It is not expected that the current owner would provide much additional pertinent site information that hasn't already been obtained from other sources.

4.7.2 Current Operators and/or Site Occupants

The site building is currently unoccupied.

4.7.3 Past Owners, Occupants, and Operators

ASTM E 1527-05 states that interviews be conducted with past owners, operators, and occupants who are likely to have material information regarding the potential for contamination at the property to the extent that 1) they have been identified and 2) the information likely to be obtained is not duplicative of information already obtained from other sources.

No past/owners occupants were contacted because no contact information was provided, but based on historic property information obtained from other sources; the previous owner/occupant is not likely to provide any additional pertinent information.

4.8 Previous Environmental Investigations

No documentation of previous environmental investigations was provided.

5.0 ENVIRONMENTAL REGULATORY AGENCY RECORD REVIEW

The environmental regulatory agency record review conducted by TCC consisted of database searches of ASTM standard sources (Section 5.1) as well as supplemental databases (Section 5.2), and interviews with regulatory agency personnel (Section 5.3). A copy of the database search conducted by EDR for TCC is provided in Appendix C. For sites whose locations could not be mapped by EDR (i.e., "orphan sites"), TCC attempted to locate these sites through the use of maps, site reconnaissance or other means; as appropriate, these sites are included in their respective regulatory agency record section. Likewise, conflicting or supplemental information obtained during the site reconnaissance or from interviews is discussed where appropriate below.

5.1 Standard ASTM Environmental Record Sources

The regulatory agency record sources listed below and their corresponding search distances were reviewed per ASTM E 1527-05. Results of the review are summarized below and additional information is provided in the subsequent text. Any reductions of the minimum search distance as allowed by ASTM are noted.

Standard ASTM Environmental Record Sources

Database*	Search Distance	Sites Listed Within Search Distance (Yes/No)
USEPA NPL	1.0 mile	No
USEPA Delisted NPL	0.5 mile	No
USEPA CERCLIS List	0.5 mile	No
USEPA CERCLIS NFRAP List	0.5 mile	No
USEPA RCRA CORRACTS Facilities List	1.0 mile	Yes
USEPA RCRA non-CORRACTS TSD Facilities List	0.5 mile	No
USEPA RCRA Generators List	site & adjoining	Yes
USEPA Institutional Control/ Engineering Control Registries	site only	No
USEPA ERNS List	site only	No
State and Tribal Registries of Hazardous Waste Sites (NPL equivalent)	1.0 mile	No
State and Tribal Registries of Hazardous Waste Sites (NPL equivalent)	0.5 mile	No

Database*	Search Distance	Sites Listed Within Search Distance (Yes/No)
State and Tribal Landfill and Solid Waste Disposal Site List	0.5 mile	Yes
State and Tribal Spills Database - Leaking Storage Tank Events	**0.25 mile	Yes
State and Tribal Registered Storage Tank List	site & adjoining	Yes
State and Tribal Institutional Control/ Engineering Control Registries	site only	No
State and Tribal Voluntary Cleanup Sites	0.5 mile	Yes
State and Tribal Brownfield Sites	0.5 mile	No

*Acronyms defined in following sections
** The search distance of the NYSDEC Spills Database has been reduced from 0.5 mile to 0.25 because of the dense urban location of the site, as allowed by ASTM E 1527-05.

5.1.1 Federal

Federal NPL Sites

A review of the United States Environmental Protection Agency (USEPA) National Priorities List (NPL) for Region II did not include sites on or within 1.0 mile of the site.

Additionally, the lists of Proposed and Delisted NPL sites did not include sites on or within 0.5 mile of the site.

Federal CERCLIS List

The USEPA Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) list of federal hazardous waste sites did not include the sites on or within 0.5 mile of the site. Additionally, the CERCLIS No Further Remedial Action Planned (NFRAP) list did not include sites on or within 0.5 mile of the site.

Federal RCRA Generators, RCRA CORRACTS Facilities, & RCRA non-CORRACTS TSD Facilities Lists

The USEPA listing of Resource Conservation and Recovery Act (RCRA) facilities under corrective action (CORRACTS) includes one such property within 1.0 mile of the site. The CORRACTS site is identified as National Micronetic, Inc. located at 71 Smith Avenue, approximately 0.2 mile east of the subject site. The facility was assigned a medium corrective action priority and a request for application was submitted in 1998. The details concerning site contaminants were not provided.

The list of RCRA non-CORRACTS Treatment, Storage and/or Disposal (TSD) Facilities did not include RCRA TSD facilities on or within 0.5 mile of the site.

The RCRA Hazardous Waste Generators list indicates that one RCRA Generator is located adjacent to the site. This facility is identified as Schabot Auto Body located adjacent to the west (EPA ID NYR000020255). This facility is listed as a conditionally exempt small quantity generator indicating that the facility generates less than 100 kilograms of hazardous waste in a given month. No spills were listed associated with hazardous waste generation at this facility.

Federal Institutional Control/ Engineering Controls

The site was not identified as an USEPA Institutional Control Site or as having Engineering Controls. Additionally, based on information provided by the user, no institutional or engineering controls are known to exist for the site (See Section 3.2 above).

Federal ERNS List

The Emergency Response Notification System (ERNS), a national computer database system that is used to store information on the sudden or accidental release of hazardous substances including petroleum into the environment, was reviewed. No ERNS releases are reported to have occurred on the site.

5.1.2 State and Tribal

State and Tribal Hazardous Waste Sites (NPL Equivalent)

The New York State Department of Environmental Conservation's (NYSDEC) list of Inactive Hazardous Waste Disposal (IHWD) Sites was reviewed. There is no Tribal database for Hazardous Waste Sites. This database did not include listed sites on or within 1.0 mile of the site.

There is no NYS CERCLIS Equivalent database.

State and Tribal Landfills and/or Solid Waste Disposal Site Lists

NYSDEC's Facility Register of Solid Waste Disposal Facilities and Landfill (SWF/LF) Sites was reviewed as was the Report on the Status of Open Dumps on Indian Land (ODI) One SWF/LF is listed on or within a 0.5 mile of the site. Kingston Point Landfill, an inactive mixed solid waste landfill, is identified as being east of the site; however, it appears that the given location is the mailing address and not the physical location of a landfill.

NYSDEC's Registered Waste Tire Storage and Facility List and Registered Recycling Facility List did not include the site.

State and Tribal Leaking Underground Storage Tanks

The NYSDEC's Spills Information database was reviewed to obtain information on Leaking Underground Storage Tank (LUST) events for underground chemical or petroleum storage tanks. LUST events are a subset of events contained in the spills database where the release originated from an underground storage tank (UST). No Tribal LUST database exists for USEPA Region 2. This review indicates that 10 LUST sites are located within 0.25 mile of the site.

One LUST side is identified as City of Kingston at 10 Field Court. This site is located approximately 80 feet southeast of the subject site. The spill (#0504408) was reported in 2005 during the removal of a 550-gallon fuel oil UST. Corrosion was noted on the tank and one cubic yard of soil was stockpiled in plastic. Composite sidewall and bottom samples from the tank excavation indicate compliance with NYSDEC soil cleanup standards and the spill was granted NYSDEC closure. Based on the remedial action, lack of remaining impacts, and spill closure, this spill is not expected to have had an adverse impact on soil or groundwater quality at the subject site.

The Hess station, located approximately 360 feet to the south-southwest, has two spills. One was reported in 1990 when unknown tanks and associated contamination were discovered during the excavation of known tanks. The spill was granted NYSDEC closure. A second spill was reported in 1990 when test results indicated soil contamination. The 1996 spill (9609505) remains active in the NYSDEC spills database. Based on the proximity and crossgradient location to the subject site, there is some potential for impacts to soil and groundwater in the vicinity of the subject site. However, groundwater flow in the area is expected to be to the west-northwest towards the Esopus Creek, therefore the likelihood of impacts to the site is low.

Based on available information, type of material released, including distance, and topographically downgradient direction from the site, and/or NYSDEC closure status, the remaining seven LUST sites are not expected to have an adverse impact on soil or groundwater quality at the site.

State and Tribal Registered Storage Tanks

NYSDEC's Petroleum Bulk Storage (PBS) database and Chemical Bulk Storage (CBS) databases were reviewed for storage UST and aboveground storage tank (AST) sites. One adjoining site was identified on the PBS database. The Wonderly Co., located to the east-northeast, is listed as having has a 3,000-gallon UST which was closed-removed in 1999. No spills have been reported for the Wonderly's site associated with petroleum storage. There is no tribal database for UST sites on Indian Land for USEPA Region 2.

State and Tribal Institution Control/Engineering Control Registries

NYSDEC's Registry of Institutional Control/Engineering Control (IC/EC) did not include the site. No tribal IC/EC registry exists for USEPA Region 2.

State and Tribal Voluntary Cleanup Sites

NYSDEC's Voluntary Cleanup Program (VCP) list includes one site within 0.5 mile of the subject site. The VCP site is identified as Huck International, located at 85 Grand Street, approximately 0.35 mile to the east-northeast. The site was used for 100 years for various automotive, electrical uses and refrigeration supplies manufacturing. Soils, groundwater and soil vapor at the site are impacted with volatile organic compounds (VOCs). A soil vapor extraction system was installed at the site as an interim remedial measure, as well as at nine off-site locations to the east and north. Based on the presumed northwesterly direction of groundwater flow, and the indication that off-site impacts are north and east, it is not anticipated that this site has had a significant impact to soil or groundwater quality at the subject site.

No tribal VCP database exists for USEPA Region 2.

State and Tribal Brownfields Sites

Brownfields sites are any real property where redevelopment or re-use may be complicated by the presence of a hazardous waste, petroleum, pollutant or contaminant. No NYSDEC Brownfields sites were identified on or within 0.5 mile of the site. There is no tribal Brownfields database.

5.2 Supplemental Non-ASTM Environmental Record Sources

The EDR report includes several databases that are not part of the ASTM standard environmental record sources. Two supplemental databases listed below were reviewed for sites within the corresponding search distances.

Supplemental Non-ASTM Environmental Record Sources

Database*	Radius	Sites Listed Within Search Distance (Yes/No)
NYSDEC Spills Information Database	**0.25 mile	Yes
NYSDEC Major Oil Storage Facilities (MOSFs)	0.5 mile	No

** The search distance of the NYSDEC Spills Database has been reduced from 0.5 mile to 0.25 because of the dense urban location of the site, as allowed by ASTM E 1527-05.

State Spills List

NYSDEC's Spills Information Database lists releases of hazardous substances and petroleum products. LUST or Leaking Tank sites were discussed previously. Based on a review of the spills database, 25 spill events (excluding LUSTs and Leaking Tanks) were identified as having occurred within 0.25 mile of the site.

One of the spills (#9702813) was reported behind the residence at 18 O'Neil Street, approximately 40 feet west of the site. Drums were reportedly abandoned on the property and were reportedly leaking. The NYSDEC granted closure to the spill in 1997.

Another spill (#9614340) was reported in 1996 at 571-577 Broadway, approximately 480 feet southeast of the site. The spill was associated with a former radiator repair shop that had been vacant for several years. Soil contamination was discovered during a site assessment and was stockpiled on-site. The spill remains active in the NYSDEC spills database. The extent and current conditions of contaminants are unknown.

Based on available information, including nature and extent of the release, topographically downgradient location, and/or NYSDEC closure status, the remaining 23 spills are not expected to have an adverse impact to site soils and groundwater.

Major Oil Storage Facilities (MOSF)

NYSDEC's Major Oil Storage Facility list includes facilities with petroleum storage capacities of 400,000 gallons or greater. The MOSF list did not include sites on or within 0.5 mile of the site.

5.3 Information from Regulatory Agency Officials

5.3.1 County Department of Health

Under the Freedom of Information Law (FOIL), a request for information was sent to the Ulster County Department of Health (UCDOH) for information regarding the site. The UCDOH responded on May 15, 2009 that the site is on municipal water and sewer and therefore there are no records on file.

5.3.2 New York State Department of Environmental Conservation

Under the FOIL, a request for information was sent to the NYSDEC Region 3 for information regarding the site. The NYSDEC Records Access Office responded that no records were located for the site.

6.0 SITE RECONNAISSANCE

6.1 Conditions of Reconnaissance

6.1.1 Site Contact(s)

Access to the site was granted by Mark Stryker of Commercial Associates Realty, Inc. the site real estate agent. Mr. Stryker accompanied TCC during the course of the site reconnaissance.

6.1.2 Date of Visit

The site reconnaissance was conducted by Emily Pereira, of TCC on May 19, 2009.

6.1.3 Areas Observed

Exterior areas of the site and interior areas of the on-site structure were observed during the site reconnaissance. Visual observations along the southwest exterior sides of the site building were mostly obscured by vegetation and adjoining buildings due to its close proximity to the property line.

6.2 Chemical and Petroleum Substances

Petroleum and chemical substances believed to be associated with identified uses as well as those of alternate origin are discussed below.

6.2.1 Petroleum and Chemical Bulk Storage Tanks

No petroleum or chemical storage bulk storage tanks were identified on the site during the site reconnaissance.

6.2.2 Raw Product Drums and Containers

No raw chemical substances or petroleum products were identified on the site during the site reconnaissance. No unidentified raw product drums or containers were noted on the site at the time of the site reconnaissance.

6.3 Site Waste Profile

6.3.1 Solid Wastes

Solid wastes are not currently generated by the site.

6.3.2 Waste Sludges

No waste sludge generation, storage, or disposal was identified at the site.

6.3.3 Waste Liquids

No waste liquids are known to be generated, stored, or disposed of on the site.

6.3.4 Waste Drums and Containers

No waste product drums or containers were identified on the site during the site reconnaissance. No unidentified waste product drums or containers were noted on the site at the time of the site reconnaissance.

6.3.5 Wastewater Discharges

Sanitary wastes generated at the site are reportedly directed to the municipal sewer. No evidence of other potential wastewater discharges was noted.

6.3.6 Pits, Ponds or Lagoons

No pits, ponds, or lagoons associated with waste treatment or disposal were identified on the site.

6.4 Site Drainage

6.4.1 Catch Basins

Storm water catch basins were observed in the parking lot area at the northwest area of the site. According to Mr. Stryker, the drains are connected to the municipal storm sewer system. However, a site plan provided by Mr. Stryker indicates that the cat basins are dry wells.

A catch basin was also noted adjacent to the site, along Field Court.

6.4.2 Building Floor Drains

No evidence of floor drains was noted during the site reconnaissance.

6.4.3 Dry Wells and Sumps

No evidence of dry wells or sumps was noted during the site reconnaissance.

6.5 PCB-Containing Equipment

Transformers and other electrical equipment or hydraulic equipment dated 1979 or earlier may contain polychlorinated biphenyls (PCBs). No evidence of these types of electrical equipment was noted on the site. A pole-mounted transformer was observed near the northeast corner of the site building; however, it is located along Field Court, adjacent to, not on the site. No evidence of a leak was observed associated with the adjacent transformer.

6.6 Asbestos Containing Material (ACM)

Based on the age of the site buildings, ACMs may be present. Suspect ACMs observed include vinyl floor tile and suspended ceiling tiles throughout the site building. Although not observed, roofing materials would also be considered suspect ACM.

6.7 Lead-Based Paint (LBP)

Based on the ages of the site buildings, LBP may be present. Generally painted surfaces appeared to be in good condition.

6.8 Radon

Based on a review of the USEPA Radon Data provided by EDR, Inc., Ulster County is mapped as a Zone 1 area, indicating that properties within this county have a predicted average indoor radon screening level greater than 4.0 picocuries per Liter of air (pCi/L). The average indoor radon air concentration in Ulster County is 2.61 pCi/L, which is based on a survey of 95 residential basements in this county. The average indoor air concentration in Kingston, New York is 3.98 which is based on a survey of 238 sites. The USEPA has set an indoor air radon action level of 4.0 pCi/L. There is no radon standard for non-residential use buildings.

A site Radon Inspection Report, dated May 5, 2009, was provided to TCC by the user, Orthopedic Associates of Dutchess County. According to this report, two radon canisters were placed side by side in the front entrance to the building and left in place for six days. The results indicate radon levels of 1.4 and 1.6 pCi/L. A copy of the Radon Test Report is included in Appendix D.

7.0 EVIDENCE OF POTENTIAL/KNOWN SITE CONTAMINATION

7.1 Soil or Surface Contamination

No evidence of soil or surface contamination (e.g., stained soil, stained pavement, areas of corrosion) was observed during the site reconnaissance. No information or features were encountered to suggest that fill of suspect origin has been imported onto the site.

7.2 Liquid Contamination

No evidence of contaminated liquid discharges or contamination of surface water bodies was observed on the property during the site reconnaissance.

7.3 Soil or Surface Disturbances

No evidence of soil or surface disturbances suggesting the presence of subsurface materials or possible contamination was observed on the property during the site reconnaissance. Areas of asphalt repair were noted in the northwestern parking lot area; however, they appeared to be consistent with parking lot repair, and not necessarily an indication of subsurface features.

7.4 Stressed Vegetation

There were no obvious indications of vegetation stressed from a potential hazardous substance or petroleum product contaminant.

7.5 Waste Deposits

No evidence of waste deposits (e.g., piles, pits, landfills, lagoons) indicative of contamination was observed on the property during the site reconnaissance.

7.6 Odors

No evidence of odors indicating the presence of contamination or materials, equipment or operations resulting in the production of identifiable odors was noted during the site reconnaissance.

8.0 REPORT FINDINGS, OPINIONS AND CONCLUSIONS

The Chazen Companies have completed a Phase I Environmental Site Assessment ("Phase I ESA") in conformance with the scope and limitations of ASTM Practice E 1527-05 on the Spada Property located at 25 Field Court in the City of Kingston, Ulster County, New York. Any exceptions to, or deletions from, this practice are described in Section 1.0 of this report.

This assessment was performed during the month of May 2009 and was comprised of a site reconnaissance by TCC, interviews with individuals knowledgeable of the property, and a regulatory and historical information review.

The site currently contains an approximate 12,000 square-foot vacant commercial building.

8.1 Findings and Opinions

- Historic mapping and aerial photographs indicate that an automotive repair and welding shop and two residences were historically located on the north-northwest portion of the site. Based on the aerial photographs, the buildings were demolished in the 1980s. The potential "high risk"nature of automotive repair operations which operated from approximately 1950 until approximately 1980 including the potential for historic tanks, hydraulic lifts, floor drains, etc, suggests a potential for impacts to soil and groundwater quality in this area of the site.

- The site is located in historic industrial area which included a T-shirt factory to the south, a railroad adjacent to the north, warehouses and manufacturing facilities to the east, and an auto body shop to the west. Based on the industrial nature of the surrounding area, there is some potential for impacts to subsurface soil and groundwater quality in the vicinity of the site.

- Historic Sanborn mapping indicates that a gasoline tank was present at a former building located adjacent to the northeast. The building has since been demolished and this adjacent property is currently leased to the City of Kingston for municipal parking. The status of the historic gasoline tank on this adjoining parcel is unknown.

- The EDR review of Federal and state regulatory databases identified the following within the respective search distances: one CORACTS site, one RCRA hazardous waste generator site, 10 LUST sites, 1 UST site, 1 VCP site and 25 Spills.

  The CORRACTs site (National Micronetic, Inc.) is located 0.2 mile east and has been assigned a medium corrective action priority. The nature and extent of contaminant at the site, and current remedial status are unknown.

One of the LUST sites was reported for 10 Field Court in 2005 during the removal of a heating oil UST. A small amount of petroleum impacted soil was removed, and post-excavation sampling indicates that the remaining soils meet NYSDEC guidelines. A Hess gas station, nearby to the south has an open spill from 1996 with soil contamination. The extent of impacts is unknown, and given close proximity, could have the potential to impact the site, if contaminated groundwater exits. However, the risk is low because of the presumed northwesterly direction of groundwater flow to the northwest towards the Esopus Creek.

The northeastern adjoining Wonderly Company is listed a having a 3,000-gallon UST removed in 1999. The exact location of this UST is unknown; however, no spill was reported for the site associated with its removal suggesting that contamination was not encountered.

Of the 25 spills, one active spill southeast of the site was reported in 1996 associated with contamination at a former radiator repair shop. The nature and extent of impacts are unknown.

Based on available information, the remaining identified sites are not likely to have an impact in site soil or groundwater quality.

- Suspect asbestos containing materials, in the form of vinyl floor tiles, suspended ceiling tiles and roofing materials were noted in the site building. Additionally, given the age of the site structure, painted surfaces may contain lead based paint.

  The potential presence of asbestos and lead based paint is not an ASTM "recognized environmental condition"; however, their presence may limit the future use of the site structure. The mitigation and management of asbestos and lead based paint are currently regulated on the State and Federal levels. Suspect materials should be sampled and managed in accordance with all applicable New York State and Federal laws and regulations prior to any building demolition, renovation or other invasive building activities.

8.2 Conclusions

Based on the information obtained during the performance of this Phase I ESA, the following "recognized environmental conditions" (as defined under ASTM E 1527-05), have been identified:

- An auto repair building was historically located on the north-northwest end of the site, in the area that is currently macadam parking. Based on available historic information, the auto repair building was constructed prior to 1950 and was demolished in the early 1980s. The presence of floor drains, tanks, hydraulic lifts associated with this former building is unknown. Historic use of site for

automotive repair is may have led to impacts to subsurface soil and groundwater quality at the site. Although no spill had been reported associated with the historic building, it is likely that if a release had occurred or was discovered during building demolition, that it would have gone unreported due to lack of regulations at that time. Additional investigation would be necessary to confirm the presence or absence of site impacts from historic auto repair operations.

- The site is located in a historic industrial area which includes an adjoining railroad, and adjacent manufacturing facilities. In addition, a gasoline tank is shown on historic mapping as having been located adjacent to the north of the site. Based on the historic industrial nature of the surrounding area, including reported spills and other environmental database findings, it is possible that off-site activities to have an impact on soil and/or groundwater quality at the site.

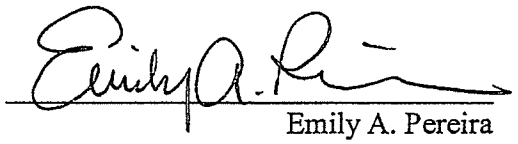
Significant data gaps that were encountered during the course of this Phase I ESA which may require further investigation to determine whether or not a REC exists include the following:

- Two residences were historically located on the northwest area of the site, based on historic mapping and photographs. The heating sources of these former residences are unknown. It is possible that they had used fuel oil as a heating source, which could have been stored in underground tanks.

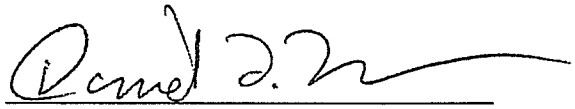
9.0 SIGNATURE(S) OF ENVIRONMENTAL PROFESSIONAL(S)

We declare that, to the best of our professional knowledge and belief, I/we meet the definition of Environmental Professional as defined in Section 312.10 of 40 CFR 312.

We have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the site. We have developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.



Emily A. Pereira
Environmental Professional



David T. Turner, L.E.P.
Director-Environmental Services

LIST OF PEOPLE AND AGENCIES CONTACTED

1. Site User, Josephine Class, Orthopedic Associates of Dutchess County
2. Mark Stryker, Commercial Associates Realty, Inc, Property Real Estate agent
3. New York State Department of Environmental Conservation
4. Ulster County Department of Health
5. City of Kingston Fire Department, Building Safety Division
6. City of Kingston Assessor's Office
7. Edwin Form, Historian, City of Kingston
8. City of Kingston Fire Department

DOCUMENTS REVIEWED

1. Aerial Photographs for the years 1959, 1967, 1980 and 1986, provided by the Ulster County Soil and Water Conservation District.

2. Satellite Imagery for the year 2004, provided by the New York State Office for Technology.

3. Environmental Data Resources, Inc. Radius Map, dated May 19, 2009.

4. Fire Insurance Maps from the Sanborn Map Company Archives. Late 19th Century to 1990: provided by Environmental Data Resources, Inc.

5. New York State Museum and Science Service Geologic Map of New York State, Lower Hudson Sheet, 1970.

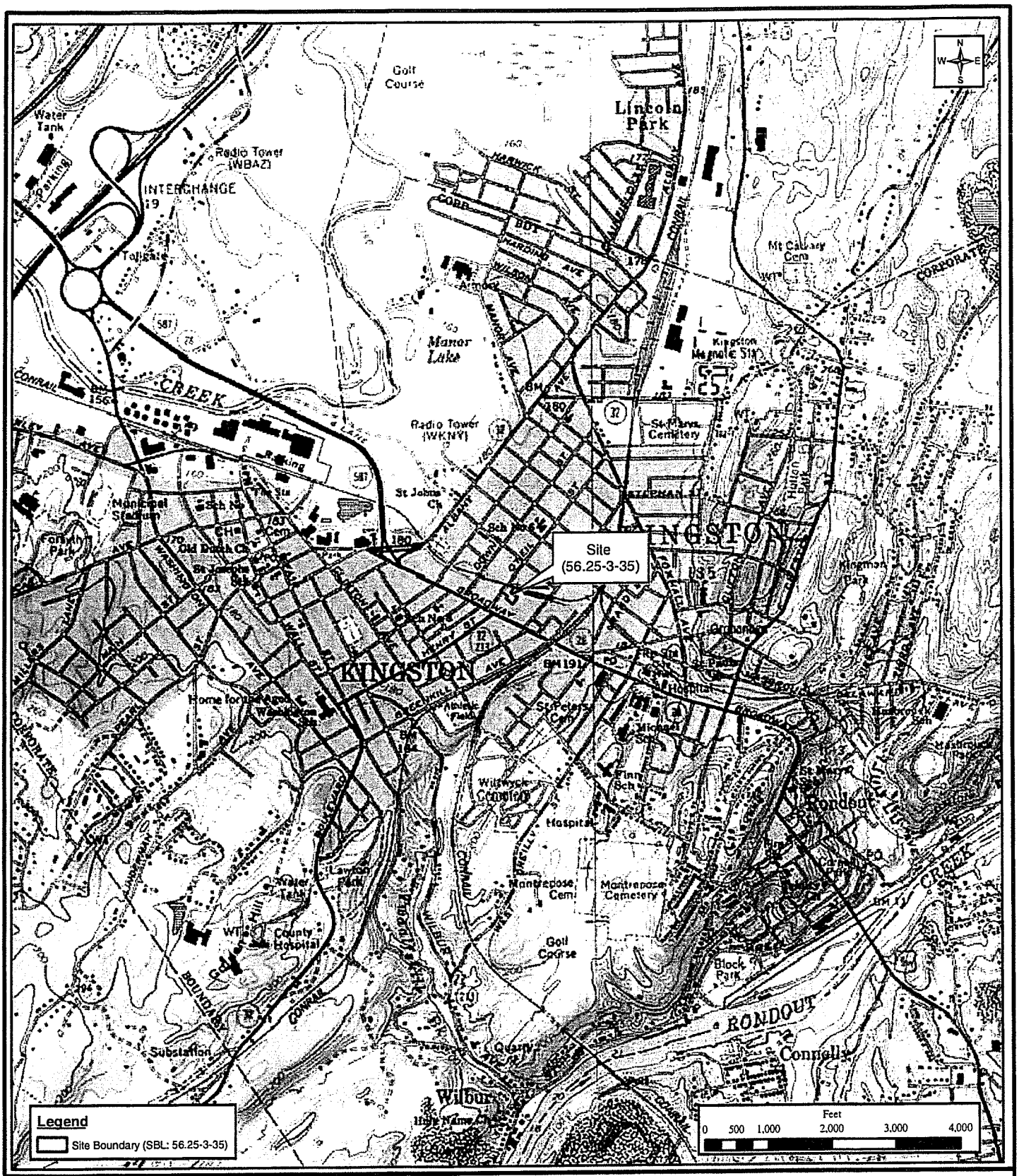
6. New York State Museum and Science Service Surface Geologic Map of New York State, Lower Hudson Sheet, 1989.

7. United States Department of Agriculture, Soil Conservation Service in cooperation with Cornell University agricultural Experiment Station, Soil Survey of Ulster County, New York, 1974.

8. United States Geological Survey Topographic Map of the Kingston West, New York Quadrangle, dated 1960 (photo revised 1980).

9. City of Kingston Tax Map, Section 56.25, Block 3, Lot 35.

FIGURES



THE Chazen COMPANIES

ENGINEERS/SURVEYORS
PLANNERS
ENVIRONMENTAL SCIENTISTS
LANDSCAPE ARCHITECTS

Dutchess County Office:
21 Fox Street, Poughkeepsie, NY 12601
Phone: (845) 454-3980

Capital District Office:
547 River Street, Troy, NY 12180
Phone: (518) 273-0055

Glens Falls Office:
100 Glen Street, Glens Falls, NY 12801
Phone: (518) 812-0513

New London Office:
911 Hartford Turnpike Waterford, CT. 06385
Phone: (860) 440-3600

Spada Property

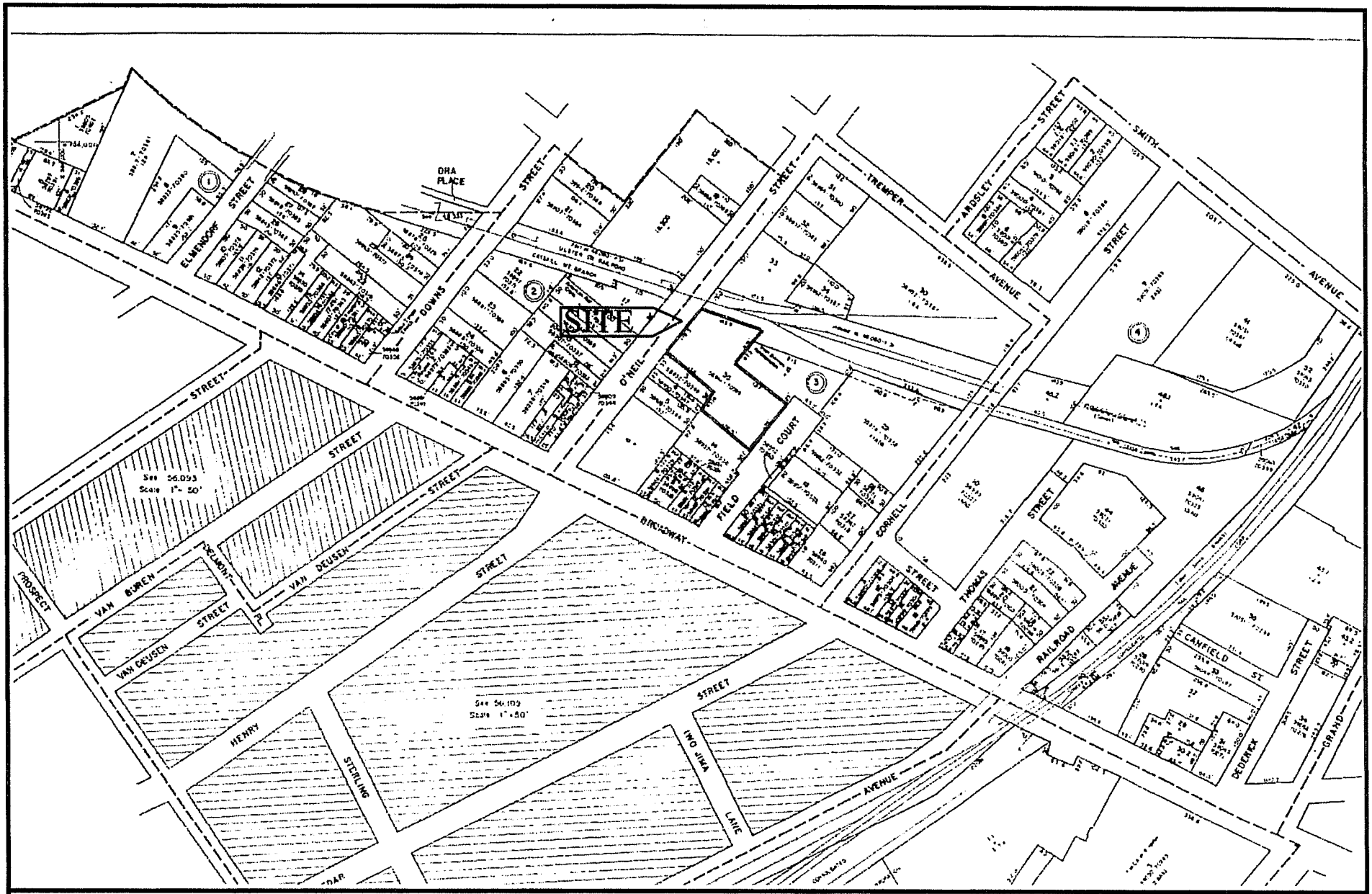
Figure 1 - Site Location Map

25 Field Court
City of Kingston
Ulster County, New York

Source: USGS. 1997. Kingston West Quadrangle. 7.5' Topographic Map.
USGS. 1960 (photorevised 1980). Kingston East Quadrangle. 7.5' Topographic Map.

Drawn:	JFT
Date:	05/07/2009
Scale:	1 inch equals 2,000 feet
Project:	20910.00
Figure:	1

Map Document: (X:\2\20900-21000\20910.00_Orthopedic Assoc. of DC\GIS\maps\20910_Site Location Map_8x11.mxd)



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Connecticut:
914 Hartford Turnpike, Waterford, CT 06385
Phone: (860) 440-2690

Spada Property

FIGURE 2- Tax Map
25 Feild Court
City of Kingston, Ulster County, New York

City of Kingston Tax Map; Section56.25, Block 3, Lot 35

Date:	May 2009
Scale:	Not to Scale
Project #:	20910.00



THE Chazen COMPANIES

ENGINEERS/SURVEYORS
PLANNERS
ENVIRONMENTAL SCIENTISTS
LANDSCAPE ARCHITECTS

Dutchess County Office:
21 Fox Street, Poughkeepsie, NY 12601
Phone: (845) 454-3980

Capital District Office:
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Glens Falls Office:
100 Glen Street, Glens Falls, NY 12801
Phone: (518) 812-0513

New London Office:
914 Hartford Turnpike Waterford, CT. 06385
Phone: (860) 440-2690

Spada Property

Figure 3 - Orthophoto Map

25 Field Court
City of Kingston
Ulster County, New York

Source: NYS OCSCIC. 2004. Ulster County 12-inch Resolution Natural Color Orthoimagery.

Drawn:	JFT
Date:	05/07/2009
Scale:	1 inch equals 400 feet
Project:	20910.00
Figure:	3

Map Document: (X:\2\20900-21000\20910.00_Orthopedic Assoc. of DC\GIS\maps\20910_Orthophoto Map_8x11.mxd)

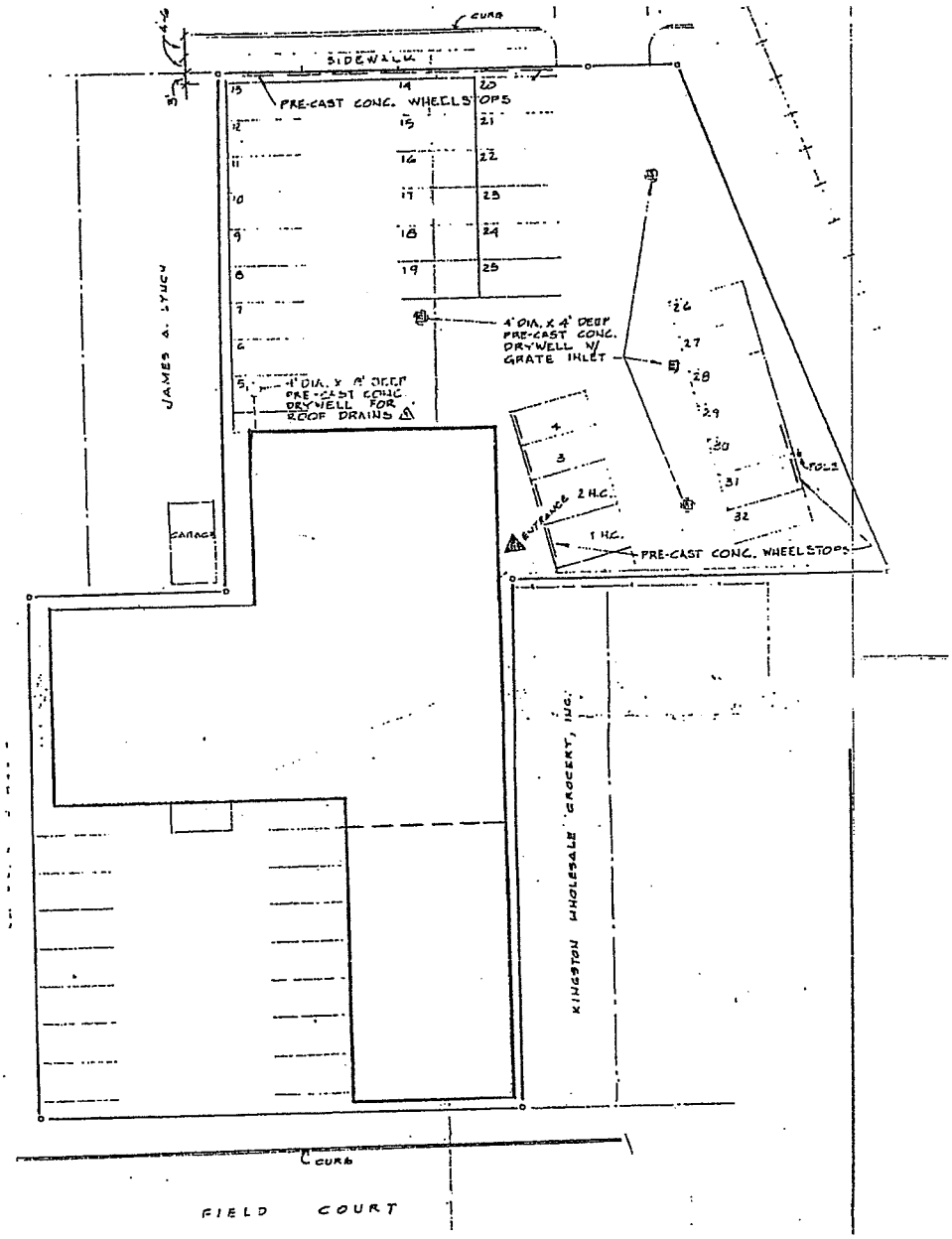
CURB
SIDEWALK
PRE-CAST CONC. WHEELSTOPS
JAMES A. LYNCH
4' DIA. X 4' DEEP PRE-CAST CONC. DRYWELL W/ GRATE INLET
4' DIA. X 4' DEEP PRE-CAST CONC. DRYWELL FOR ROOF DRAINS
GARAGE
ENTRANCE
2 H.C.
1 H.C.
PRE-CAST CONC. WHEELSTOPS
KINGSTON WHOLESALE GROCERY, INC.
CURB
FIELD COURT

Figure 4

Appendix A:
Site Photographs

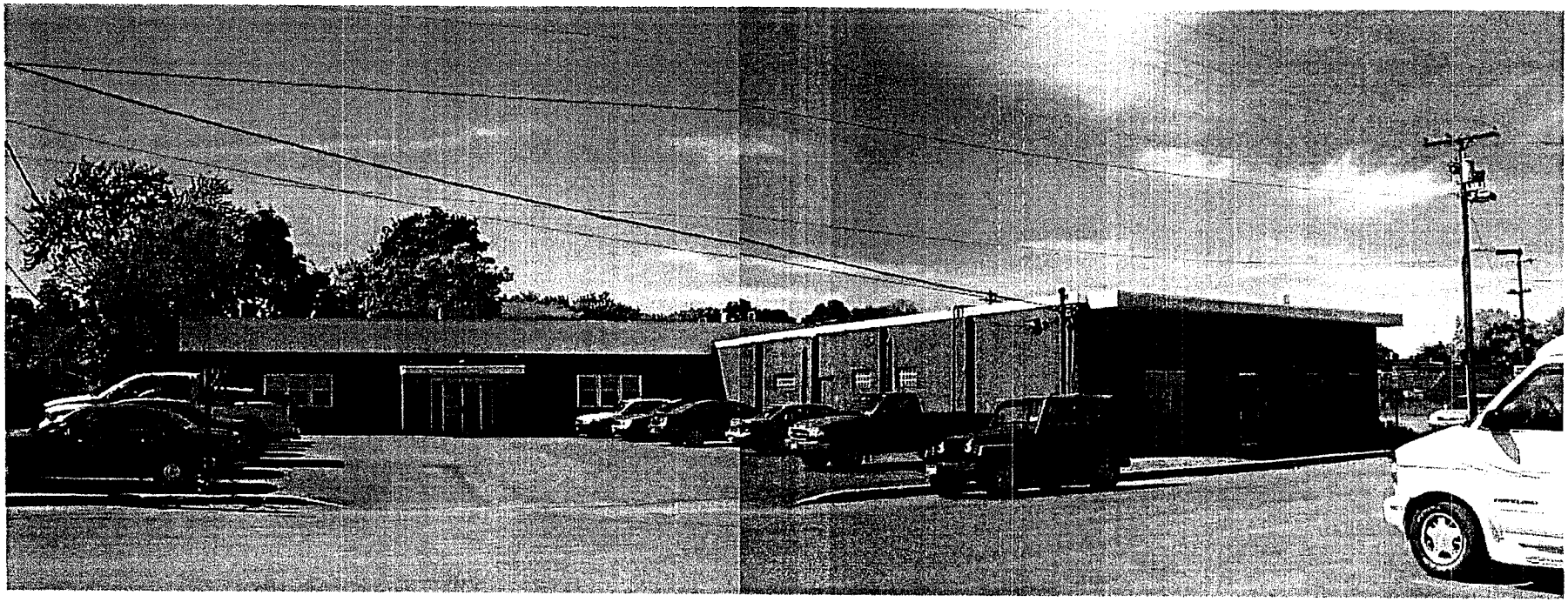

Photo 1
View of the site building, facing north-northwest. from Field Court

May 19, 2009

THE Chazen COMPANIES



Photo 2
View of the site building, facing southeast, from O'Neil Street.

May 19, 2009

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Photo 3
View of along the north side of the site building, facing eat-southeast.

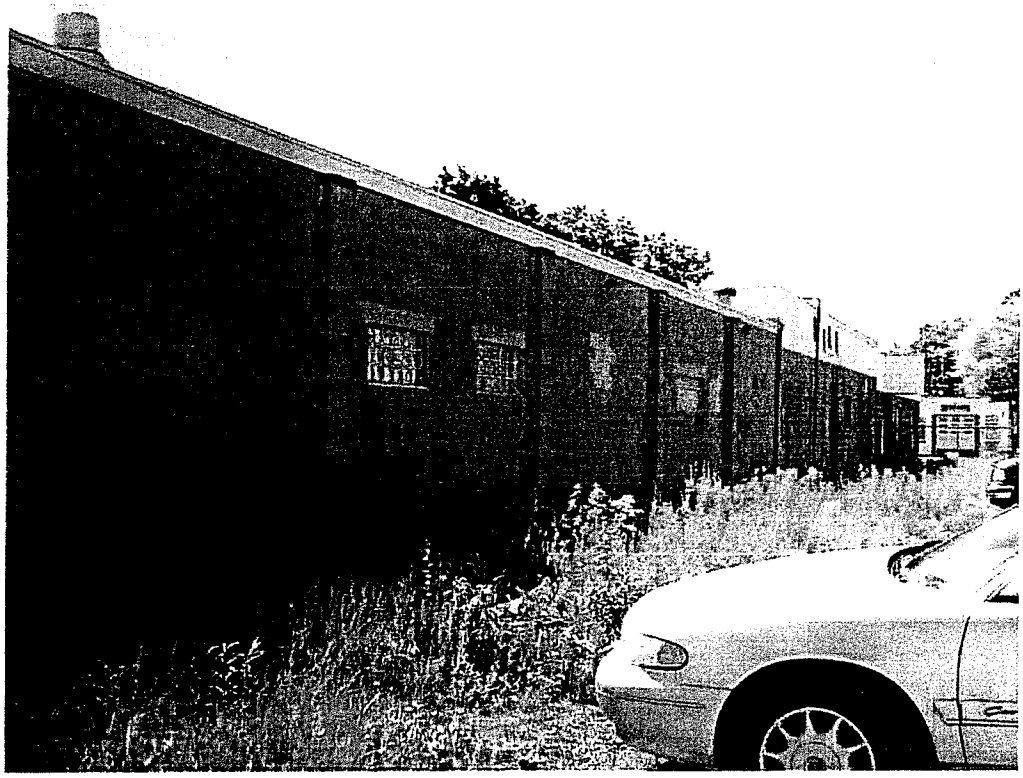


Photo 4
View along the north side of the site building, facing northwest.



Photo 5

View of the parking lot area at the south end of the site. Adjoining four-story former factory building visible in background.

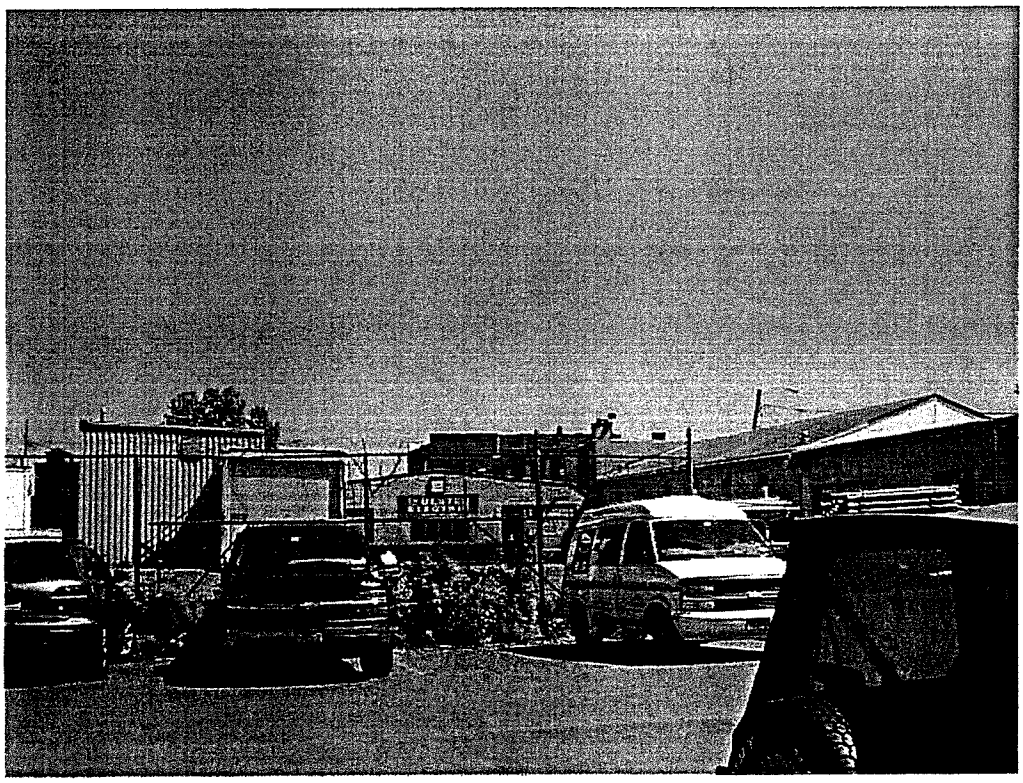


Photo 6

View of southern adjoining Ulster Electric Supply site, across Field Court.



Photo 7
View of northeast adjoining Wonderly warehouse building.

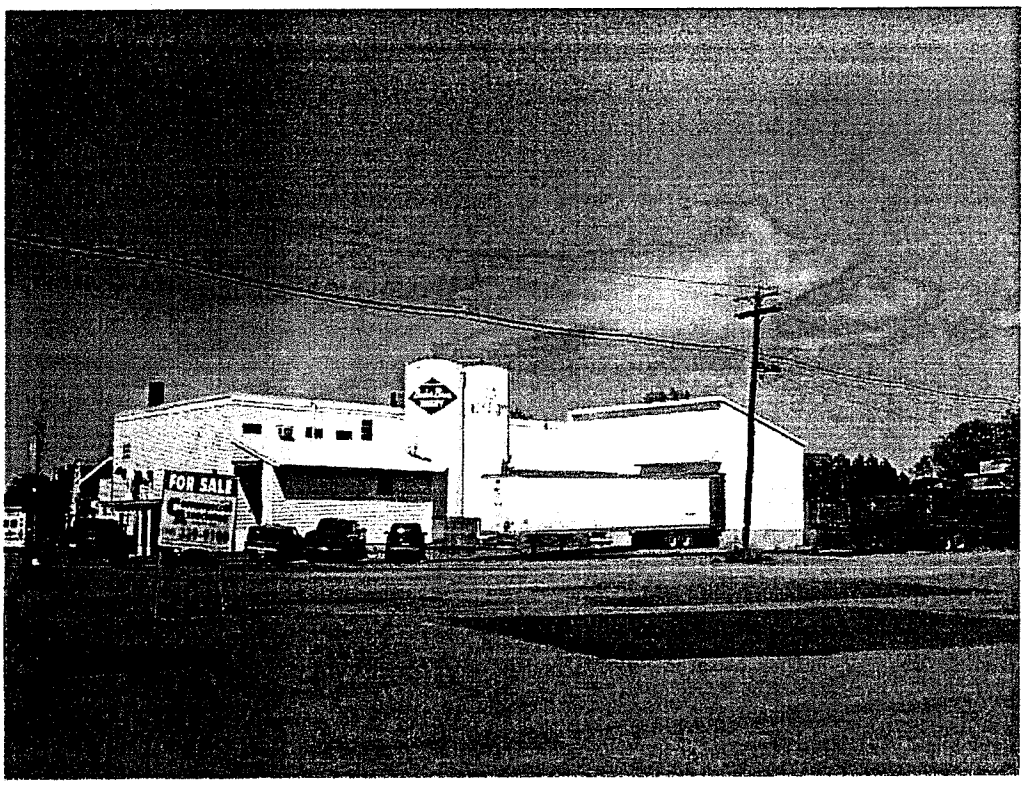


Photo 8
View of northern adjoining Boice Brothers Dairy property.

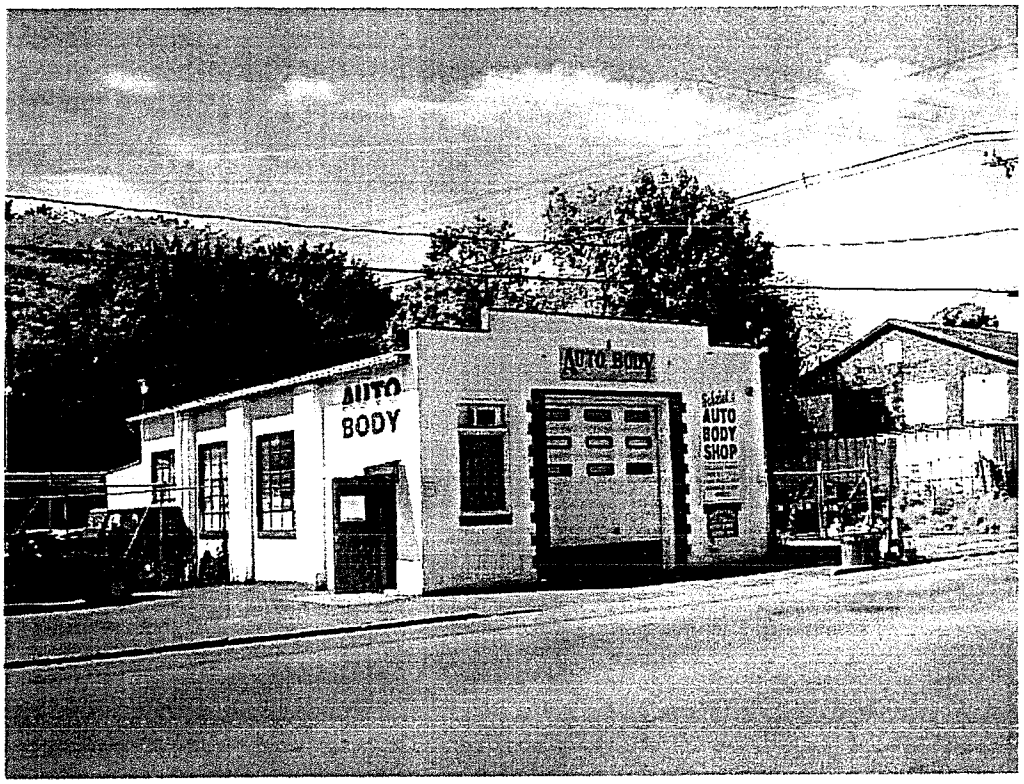


Photo 9

View of western adjoining body shop building, located across O'Neil Street.

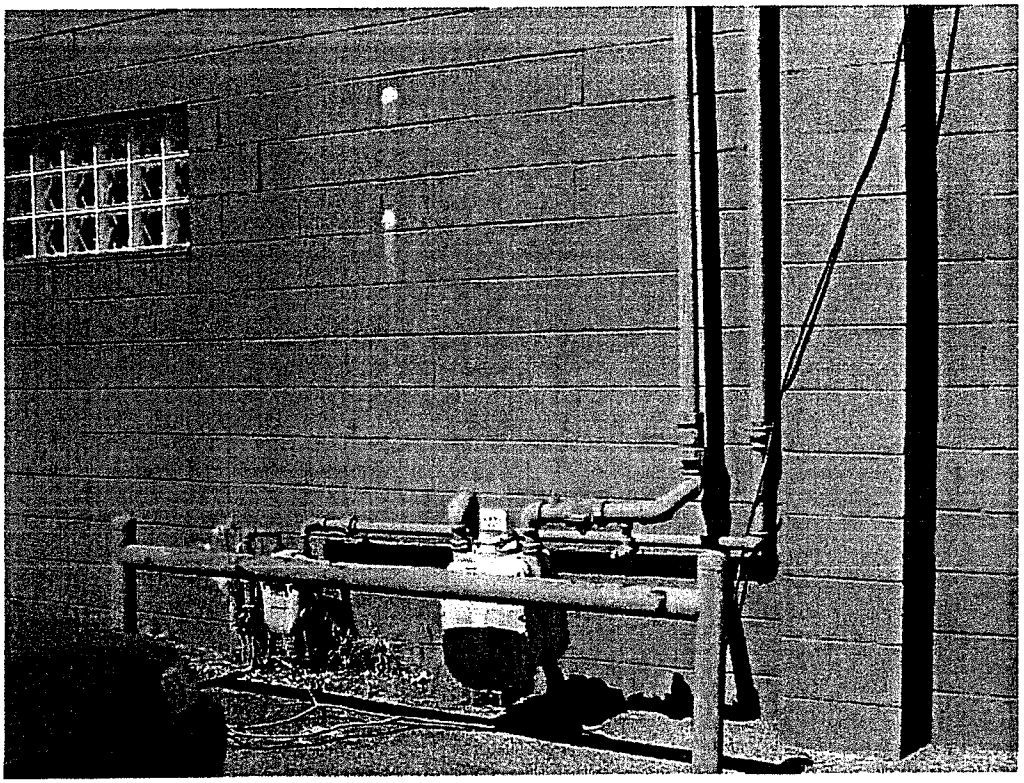


Photo 10

Natural gas service along the south side of the site building.

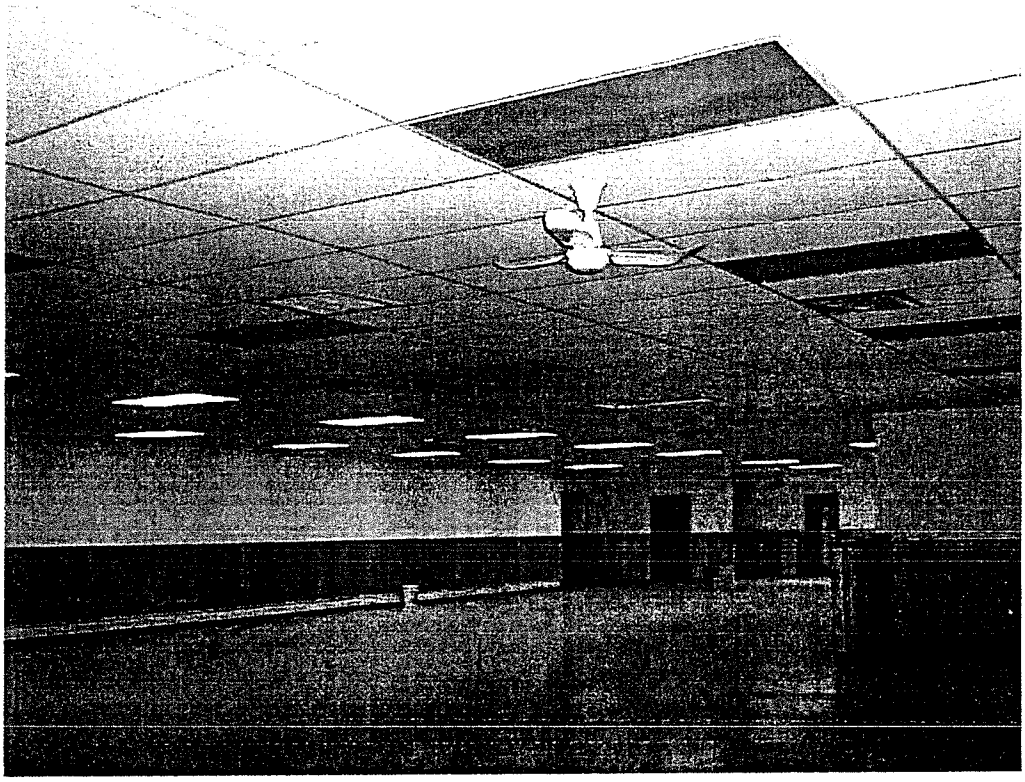


Photo 11
Interior view of the central area of the site building.



Photo 12
Interior view of the far north end of the site building.

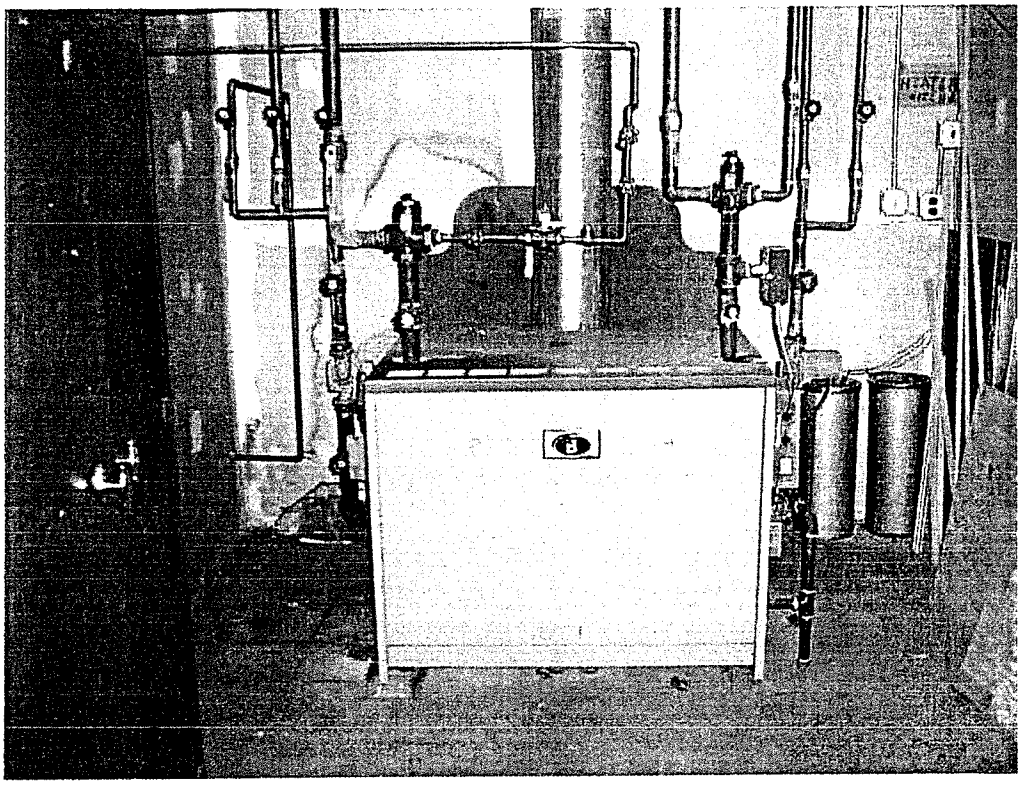


Photo 13
Natural gas boiler for the site building.

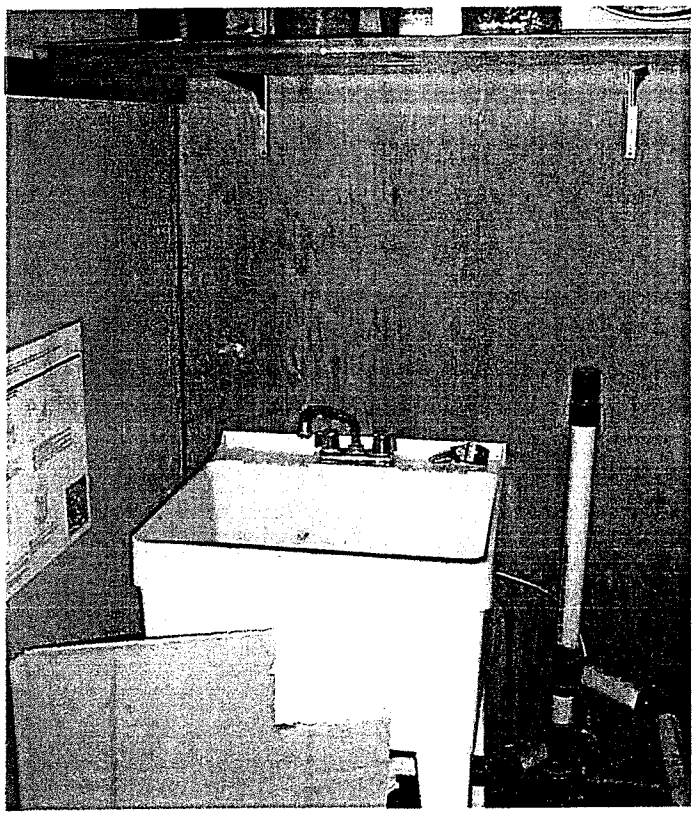


Photo 14
Janitor's closet in the main area of the site building.

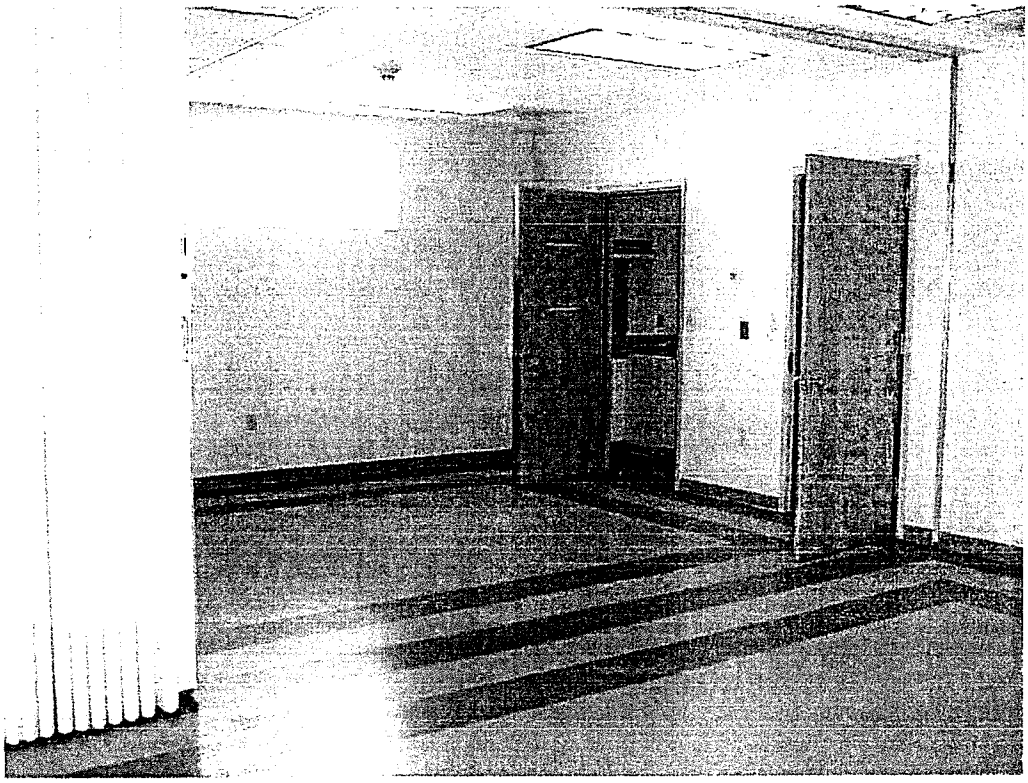


Photo 15

Interior view of the former Benedictine outpatient facility in the east wind of the site building.

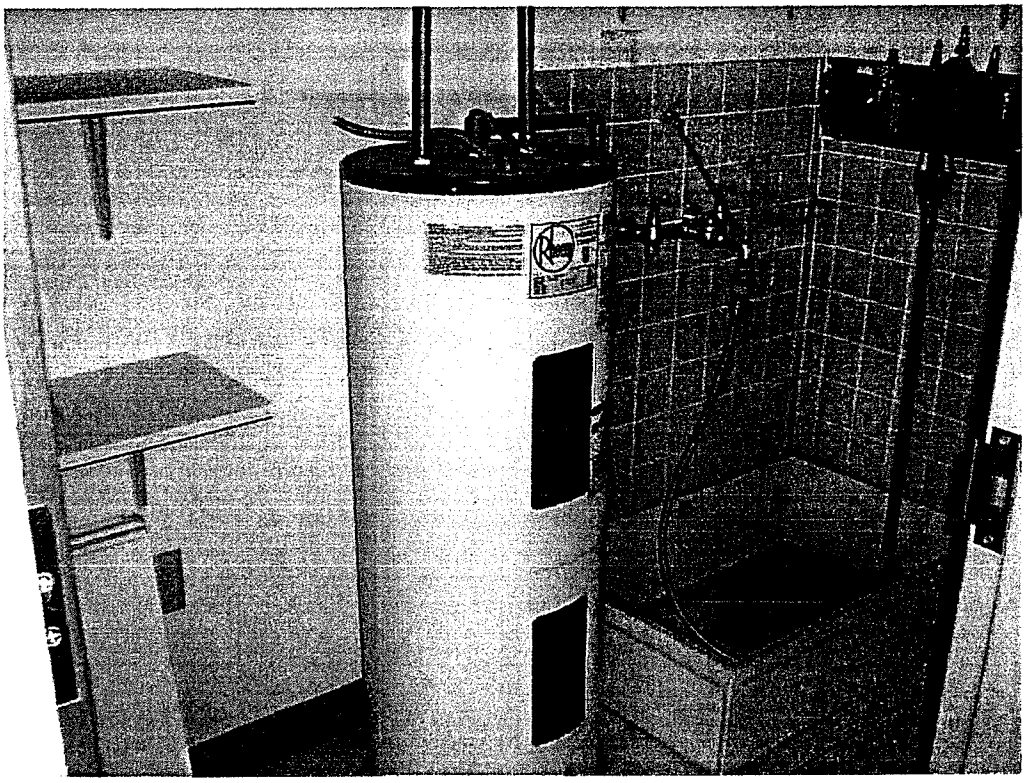


Photo 16

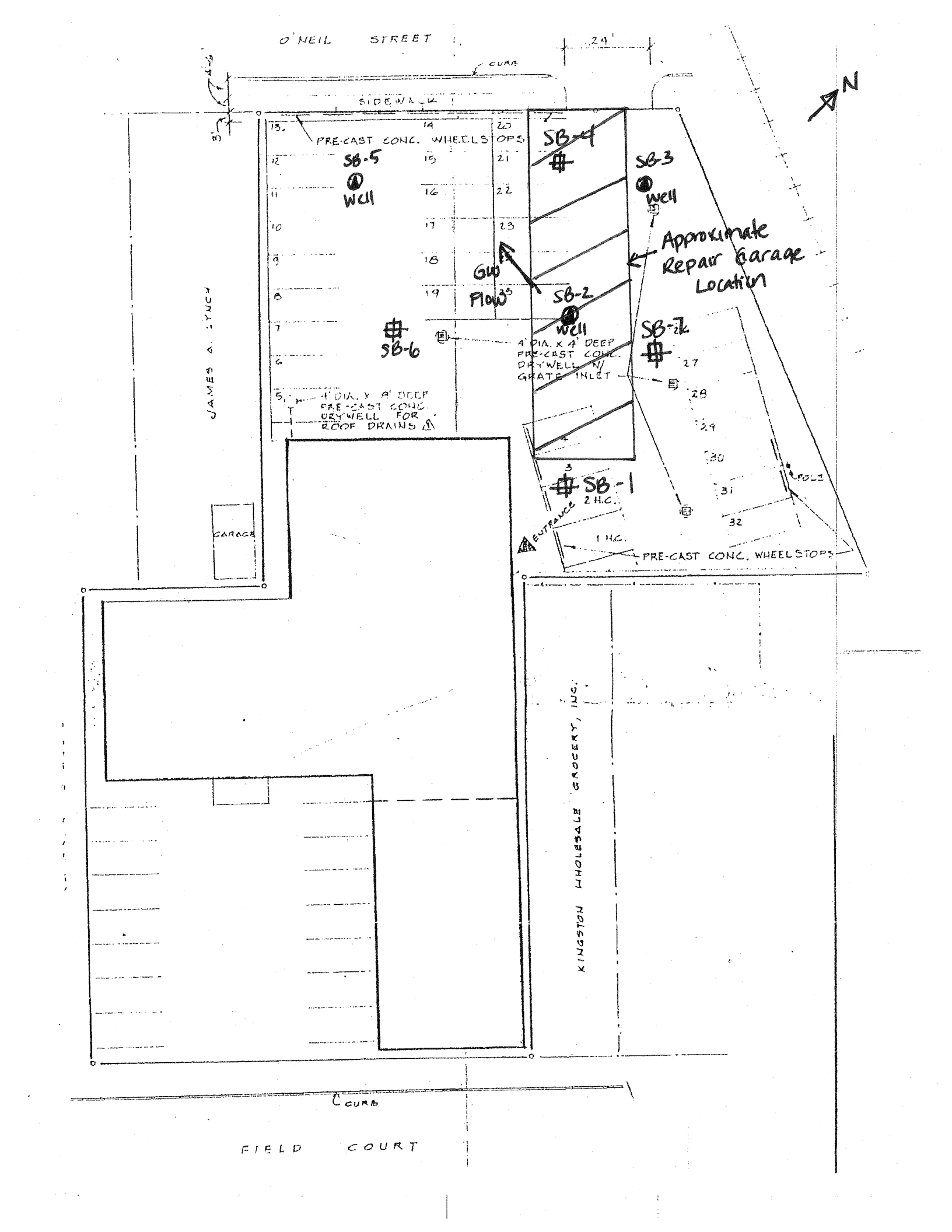
Janitor's closet of the east wing of the site building.

Appendix B:
Historical Resources

Appendix C:
Environmental Database Report

Appendix D:
Interview Documentation

Appendix E:
Qualifications


O'NEIL STREET
CURB
SIDEWALK
4'-6"
3'
24'
N
PRE-CAST CONC. WHEELSTOPS
SB-5
Well
SB-4
SB-3
Well
Approximate Repair Garage Location
GW Flow
SB-2
Well
SB-6
SB-7
4' DIA. X 4' DEEP PRE-CAST CONC. DRYWELL W/ GRATE INLET
4' DIA. X 4' DEEP PRE-CAST CONC. DRYWELL FOR ROOF DRAINS
JAMES A. LYNCH
SB-1
2 H.C.
ENTRANCE
1 H.C.
PRE-CAST CONC. WHEELSTOPS
POLE
GARAGE
KINGSTON WHOLESALE GROCERY, INC.
CURB
FIELD COURT

YORK
ANALYTICAL LABORATORIES, INC.

Technical Report

prepared for:

Chazen Environmental Services
547 River St.
Troy, NY 12180
Attention: Emily Pereira

Report Date: 6/18/2009
Re: Client Project ID: 20910.00
York Project No.: 09060463

CT License No. PH-0723 New Jersey License No. CT-005 New York License No. 10854 PA Reg. 68-04440

120 RESEARCH DRIVE STRATFORD, CT 06615 (203) 325-1371 FAX (203) 357-0166

Report Date: 6/18/2009
Client Project ID: 20910.00
York Project No.: 09060463

Chazen Environmental Services
547 River St.
Troy, NY 12180
Attention: Emily Pereira

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on 06/12/09. The project was identified as your project "20910.00".

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the NELAC acceptance requirements for environmental samples except those indicated under the Notes section of this report.

All the analyses met the method and laboratory standard operating procedure requirements except as indicated under the Notes section of this report, or as indicated by any data flags, the meaning of which is explained in the attachment to this report, if applicable.

The results of the analyses, which are all reported on an as-received basis unless otherwise noted, are summarized in the following table(s).

Analysis Results

Client Sample ID			SB-2/GW		SB-3/GW	
York Sample ID			09060463-01		09060463-02	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
Volatiles, 8260 List	SW846-8260	ug/L	---	---	---	---
1,1,1,2-Tetrachloroethane			Not detected	5.0	Not detected	5.0
1,1,1-Trichloroethane			Not detected	5.0	Not detected	5.0
1,1,2,2-Tetrachloroethane			Not detected	5.0	Not detected	5.0
1,1,2-Trichloroethane			Not detected	5.0	Not detected	5.0
1,1-Dichloroethane			Not detected	5.0	Not detected	5.0
1,1-Dichloroethylene			Not detected	5.0	Not detected	5.0
1,1-Dichloropropylene			Not detected	5.0	Not detected	5.0
1,2,3-Trichlorobenzene			Not detected	5.0	Not detected	5.0
1,2,3-Trichloropropane			Not detected	5.0	Not detected	5.0
1,2,4-Trichlorobenzene			Not detected	5.0	Not detected	5.0
1,2,4-Trimethylbenzene			Not detected	5.0	Not detected	5.0
1,2-Dibromo-3-chloropropane			Not detected	5.0	Not detected	5.0
1,2-Dibromoethane			Not detected	5.0	Not detected	5.0
1,2-Dichlorobenzene			Not detected	5.0	Not detected	5.0
1,2-Dichloroethane			Not detected	5.0	Not detected	5.0
1,2-Dichloroethylene (Total)			Not detected	5.0	Not detected	5.0

YORK

Client Sample ID			SB-2/GW		SB-3/GW	
York Sample ID			09060463-01		09060463-02	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
1,2-Dichloropropane			Not detected	5.0	Not detected	5.0
1,3,5-Trimethylbenzene			Not detected	5.0	Not detected	5.0
1,3-Dichlorobenzene			Not detected	5.0	Not detected	5.0
1,3-Dichloropropane			Not detected	5.0	Not detected	5.0
1,4-Dichlorobenzene			Not detected	5.0	Not detected	5.0
2,2-Dichloropropane			Not detected	5.0	Not detected	5.0
2-Chlorotoluene			Not detected	5.0	Not detected	5.0
4-Chlorotoluene			Not detected	5.0	Not detected	5.0
Benzene			Not detected	5.0	Not detected	5.0
Bromobenzene			Not detected	5.0	Not detected	5.0
Bromochloromethane			Not detected	5.0	Not detected	5.0
Bromodichloromethane			Not detected	5.0	Not detected	5.0
Bromoform			Not detected	5.0	Not detected	5.0
Bromomethane			Not detected	5.0	Not detected	5.0
Carbon tetrachloride			Not detected	5.0	Not detected	5.0
Chlorobenzene			Not detected	5.0	Not detected	5.0
Chloroethane			Not detected	5.0	Not detected	5.0
Chloroform			Not detected	5.0	Not detected	5.0
Chloromethane			Not detected	5.0	Not detected	5.0
cis-1,3-Dichloropropylene			Not detected	5.0	Not detected	5.0
Dibromochloromethane			Not detected	5.0	Not detected	5.0
Dibromomethane			Not detected	5.0	Not detected	5.0
Dichlorodifluoromethane			Not detected	5.0	Not detected	5.0
Ethylbenzene			Not detected	5.0	Not detected	5.0
Hexachlorobutadiene			Not detected	5.0	Not detected	5.0
Isopropylbenzene			Not detected	5.0	Not detected	5.0
Methylene chloride			Not detected	5.0	Not detected	5.0
MTBE			Not detected	5.0	Not detected	5.0
Naphthalene			Not detected	5.0	Not detected	5.0
n-Butylbenzene			Not detected	5.0	Not detected	5.0
n-Propylbenzene			Not detected	5.0	Not detected	5.0
o-Xylene			Not detected	5.0	Not detected	5.0
p- & m-Xylenes			Not detected	5.0	Not detected	5.0
p-Isopropyltoluene			Not detected	5.0	Not detected	5.0
sec-Butylbenzene			Not detected	5.0	Not detected	5.0
Styrene			Not detected	5.0	Not detected	5.0
tert-Butylbenzene			Not detected	5.0	Not detected	5.0
Tetrachloroethylene			300	5.0	99	5.0
Toluene			Not detected	5.0	Not detected	5.0
trans-1,3-Dichloropropylene			Not detected	5.0	Not detected	5.0
Trichloroethylene			15	5.0	32	5.0
Trichlorofluoromethane			Not detected	5.0	Not detected	5.0
Vinyl chloride			Not detected	5.0	Not detected	5.0
Semi-Volatiles, STARS List	SW846-8270	ug/L	---	---	---	---
Acenaphthene			Not detected	5.4	Not detected	5.2
Acenaphthylene			Not detected	5.4	Not detected	5.2
Anthracene			Not detected	5.4	Not detected	5.2
Benzo[a]anthracene			Not detected	5.4	Not detected	5.2
Benzo[a]pyrene			Not detected	5.4	Not detected	5.2
Benzo[b]fluoranthene			Not detected	5.4	Not detected	5.2
Benzo[g,h,i]perylene			Not detected	5.4	Not detected	5.2

YORK

Client Sample ID			SB-2/GW		SB-3/GW	
York Sample ID			09060463-01		09060463-02	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
Benzo[k]fluoranthene			Not detected	5.4	Not detected	5.2
Chrysene			Not detected	5.4	Not detected	5.2
Dibenz[a,h]anthracene			Not detected	5.4	Not detected	5.2
Fluoranthene			Not detected	5.4	Not detected	5.2
Fluorene			Not detected	5.4	Not detected	5.2
Indeno[1,2,3-cd]pyrene			Not detected	5.4	Not detected	5.2
Naphthalene			Not detected	5.4	Not detected	5.2
Phenanthrene			Not detected	5.4	Not detected	5.2
Pyrene			Not detected	5.4	Not detected	5.2
Metals, Total RCRA List	SW846-6010B	mg/L	---	---	---	---
Arsenic, total			Not detected	0.004	Not detected	0.004
Barium, total			0.042	0.005	0.073	0.005
Cadmium, total			Not detected	0.005	Not detected	0.005
Chromium, total			0.007	0.005	Not detected	0.005
Lead, total			Not detected	0.003	Not detected	0.003
Selenium, total			Not detected	0.005	Not detected	0.005
Silver, total			Not detected	0.005	Not detected	0.005
Mercury	SW846-7470	mg/L	Not detected	0.0002	Not detected	0.0002

Client Sample ID			SB-5/GW	
York Sample ID			09060463-03	
Matrix			WATER	
Parameter	Method	Units	Results	MDL
Volatiles, 8260 List	SW846-8260	ug/L	---	---
1,1,1,2-Tetrachloroethane			Not detected	5.0
1,1,1-Trichloroethane			Not detected	5.0
1,1,2,2-Tetrachloroethane			Not detected	5.0
1,1,2-Trichloroethane			Not detected	5.0
1,1-Dichloroethane			Not detected	5.0
1,1-Dichloroethylene			Not detected	5.0
1,1-Dichloropropylene			Not detected	5.0
1,2,3-Trichlorobenzene			Not detected	5.0
1,2,3-Trichloropropane			Not detected	5.0
1,2,4-Trichlorobenzene			Not detected	5.0
1,2,4-Trimethylbenzene			Not detected	5.0
1,2-Dibromo-3-chloropropane			Not detected	5.0
1,2-Dibromoethane			Not detected	5.0
1,2-Dichlorobenzene			Not detected	5.0
1,2-Dichloroethane			Not detected	5.0
1,2-Dichloroethylene (Total)			Not detected	5.0
1,2-Dichloropropane			Not detected	5.0
1,3,5-Trimethylbenzene			Not detected	5.0
1,3-Dichlorobenzene			Not detected	5.0
1,3-Dichloropropane			Not detected	5.0
1,4-Dichlorobenzene			Not detected	5.0
2,2-Dichloropropane			Not detected	5.0
2-Chlorotoluene			Not detected	5.0
4-Chlorotoluene			Not detected	5.0
Benzene			Not detected	5.0

YORK

Client Sample ID			SB-5/GW	
York Sample ID			09060463-03	
Matrix			WATER	
Parameter	Method	Units	Results	MDL
Bromobenzene			Not detected	5.0
Bromochloromethane			Not detected	5.0
Bromodichloromethane			Not detected	5.0
Bromoform			Not detected	5.0
Bromomethane			Not detected	5.0
Carbon tetrachloride			Not detected	5.0
Chlorobenzene			Not detected	5.0
Chloroethane			Not detected	5.0
Chloroform			Not detected	5.0
Chloromethane			Not detected	5.0
cis-1,3-Dichloropropylene			Not detected	5.0
Dibromochloromethane			Not detected	5.0
Dibromomethane			Not detected	5.0
Dichlorodifluoromethane			Not detected	5.0
Ethylbenzene			Not detected	5.0
Hexachlorobutadiene			Not detected	5.0
Isopropylbenzene			Not detected	5.0
Methylene chloride			Not detected	5.0
MTBE			Not detected	5.0
Naphthalene			Not detected	5.0
n-Butylbenzene			Not detected	5.0
n-Propylbenzene			Not detected	5.0
o-Xylene			Not detected	5.0
p- & m-Xylenes			Not detected	5.0
p-Isopropyltoluene			Not detected	5.0
sec-Butylbenzene			Not detected	5.0
Styrene			Not detected	5.0
tert-Butylbenzene			Not detected	5.0
Tetrachloroethylene			230	5.0
Toluene			Not detected	5.0
trans-1,3-Dichloropropylene			Not detected	5.0
Trichloroethylene			20	5.0
Trichlorofluoromethane			Not detected	5.0
Vinyl chloride			Not detected	5.0
Semi-Volatiles, STARS List	SW846-8270	ug/L	---	---
Acenaphthene			Not detected	5.2
Acenaphthylene			Not detected	5.2
Anthracene			Not detected	5.2
Benzo[a]anthracene			Not detected	5.2
Benzo[a]pyrene			Not detected	5.2
Benzo[b]fluoranthene			Not detected	5.2
Benzo[g,h,i]perylene			Not detected	5.2
Benzo[k]fluoranthene			Not detected	5.2
Chrysene			Not detected	5.2
Dibenz[a,h]anthracene			Not detected	5.2
Fluoranthene			Not detected	5.2
Fluorene			Not detected	5.2
Indeno[1,2,3-cd]pyrene			Not detected	5.2
Naphthalene			Not detected	5.2
Phenanthrene			Not detected	5.2
Pyrene			Not detected	5.2

YORK

Client Sample ID			SB-5/GW	
York Sample ID			09060463-03	
Matrix			WATER	
Parameter	Method	Units	Results	MDL
Metals, Total RCRA List	SW846-6010B	mg/L	---	---
Arsenic, total			Not detected	0.004
Barium, total			0.056	0.005
Cadmium, total			Not detected	0.005
Chromium, total			0.006	0.005
Lead, total			Not detected	0.003
Selenium, total			Not detected	0.005
Silver, total			Not detected	0.005
Mercury	SW846-7470	mg/L	Not detected	0.0002

Units Key: For Waters/Liquids: mg/L = ppm ; ug/L = ppb For Soils/Solids: mg/kg = ppm ; ug/kg = ppb

Notes for York Project No. 09060463

1. The MDL (Minimum Detectable Limit) reported is adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. This MDL is the REPORTING LIMIT and is based upon the lowest standard utilized for calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All samples were received in proper condition for analysis with proper documentation.
6. All analyses conducted met method or Laboratory SOP requirements.
7. It is noted that no analyses reported herein were subcontracted to another laboratory.

Approved By: for Robert Q. Bradley
Managing Director

Date: 6/18/2009

YORK

CHAIN OF CUSTODY RECORD

CHAZEN ENVIRONMENTAL SERVICES, INC.

0906046 3

Dutchess County Office:
21 Fox Street
Poughkeepsie, New York 12601
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Newburgh Office:
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Fax: (845)567-1925

Capital District Office:
~~20 Gurley Avenue~~
Troy, New York 12182
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Fax: (518)235-8051

North County Office:
110 Glen Street
Glens Falls, New York 12801
Phone: (518)812-0513
Fax: (518)812-2215

Attention: Emily Pereira
Project Name: Spada Property
Location: 25 Field Ct, Kingston, NY
Project Number: 20910.00
Project Manager: Kim Baines

Laboratory: York Analytical
Turn Around Time: Std.
Level: Results only
P.O. No. T6167

SAMPLE ID	DATE	TIME	Composite	Grab Sample	Matrix *	Total Number of Containers	40 ml Vial: Preserved	40 ml Vial: Un-Preserved	Liter Un-Preserved: Glass - Clear	Liter Un-Preserved: Glass - Amber	Liter Un-Preserved: Plastic	Liter Preserved: Sulfuric	Liter Preserved: Nitric	Liter Preserved: Sodium Hydroxide	Liter Preserved: Other	Liter Preserved: Organic Washed	500 ml: Field Fixed Dissolved Oxygen	250 ml: Glass	250 ml: Plastic	125 ml: Sterile Plastic	Glass: Soil Sample	Glass: Other	ANALYSIS REQUESTED
SB-2/GW	6/11/09	1040		X	W	4	X			X									X				8260, 8270 STARS, RCRA Metals
SB-3/GW	6/11/09	1120		X	W	4	X			X									X				8260, 8270 STARS, RCRA Metals
SB-5/GW	6/11/09	1150		X	W	4	X			X									X				8260, 8270 STARS, RCRA Metals

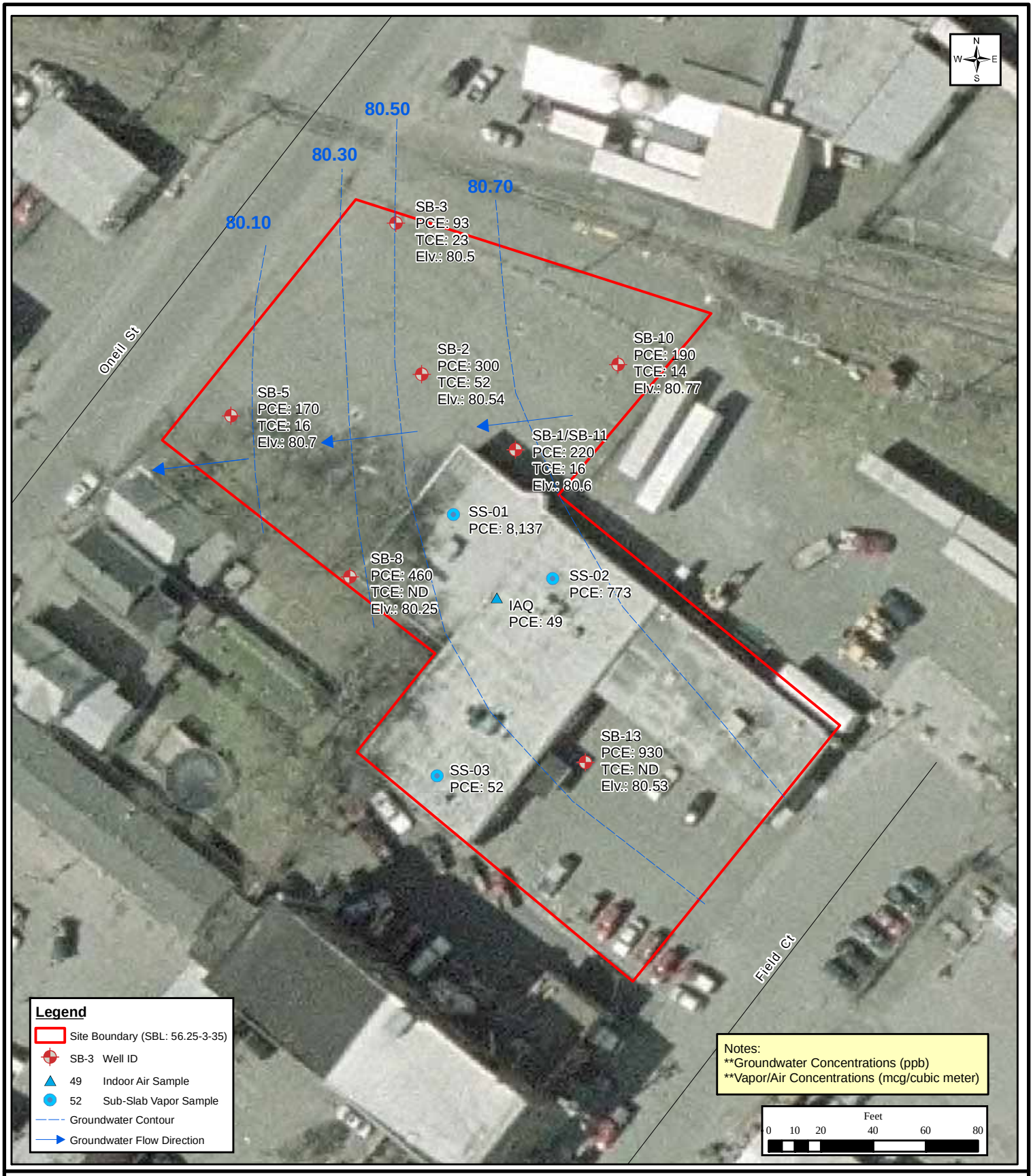
* - Please Identify Matrix:
GW - Groundwater SW - Surface Water DW - Drinking Water SS - Soil Sample SD - Sediment Sample SL - Sludge PS - Process Sample Other (Please Specify)

Relinquished By:
Name: Scott Titzel (Please Print) Date: 6/11/09 Time: 1600 Company: Chazen

Received By:
Name: _____ (Please Print) Date: _____ Time: _____ Company: _____

Received By:
Name: [signature] (Please Print) Date: 6.12.09 Time: 1030 Company: York 4.0°C

PLEASE NOTE: Pink Sheet - Chazen Copy Yellow Sheet - Laboratory File Copy White Top Sheet - Report Copy (Please return along with completed Lab Results)



THE Chazen COMPANIES
ENGINEERS/SURVEYORS
PLANNERS
ENVIRONMENTAL SCIENTISTS
LANDSCAPE ARCHITECTS

Dutchess County Office:
21 Fox Street, Poughkeepsie, NY 12601
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Phone: (518) 812-0513

New London Office:
914 Hartford Turnpike Waterford, CT. 06385
Phone: (860) 440-2690

Spada Property

Draft Figure - Groundwater/Vapor Sample Locations

25 Field Court
City of Kingston
Ulster County, New York

Source: NYS OCSCIC. 2004. Ulster County 12-inch Resolution Natural Color Orthoimagery.

Drawn:	EOB
Date:	July 2009
Scale:	1:600
Project:	20910.00
Figure:	3

Map Document: (X:\2\20900-21000\20910.00_Orthopedic Assoc. of DC\Figures\maps\20910_Well Locations_8x11_revised07162009.mxd)
7/16/2009 -- 1:02:22 PM

YORK
ANALYTICAL LABORATORIES, INC.

Technical Report

prepared for:

Chazen Environmental Services
21 Fox Street
Poughkeepsie, NY 12601
Attention: Catherine Monian

Report Date: 7/13/2009
Re: Client Project ID: 20910.00
York Project No.: 09070234

CT License No. PH-0723 New Jersey License No. CT-005 New York License No. 10854 PA Reg. 68-04440

120 RESEARCH DRIVE STRATFORD, CT 06615 (203) 325-1371 FAX (203) 357-0166

Report Date: 7/13/2009
Client Project ID: 20910.00
York Project No.: 09070234

Chazen Environmental Services
21 Fox Street
Poughkeepsie, NY 12601
Attention: Catherine Monian

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on 07/07/09. The project was identified as your project "20910.00".

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the NELAC acceptance requirements for environmental samples except those indicated under the Notes section of this report.

All the analyses met the method and laboratory standard operating procedure requirements except as indicated under the Notes section of this report, or as indicated by any data flags, the meaning of which is explained in the attachment to this report, if applicable.

The results of the analyses, which are all reported on an as-received basis unless otherwise noted, are summarized in the following table(s).

Analysis Results

Client Sample ID			OA-SB-2		OA-SB-3	
York Sample ID			09070234-01		09070234-02	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
Volatiles, 8260 List	SW846-8260	ug/L	---	---	---	---
1,1,1,2-Tetrachloroethane			Not detected	5.0	Not detected	5.0
1,1,1-Trichloroethane			Not detected	5.0	Not detected	5.0
1,1,2,2-Tetrachloroethane			Not detected	5.0	Not detected	5.0
1,1,2-Trichloroethane			Not detected	5.0	Not detected	5.0
1,1-Dichloroethane			Not detected	5.0	Not detected	5.0
1,1-Dichloroethylene			Not detected	5.0	Not detected	5.0
1,1-Dichloropropylene			Not detected	5.0	Not detected	5.0
1,2,3-Trichlorobenzene			Not detected	5.0	Not detected	5.0
1,2,3-Trichloropropane			Not detected	5.0	Not detected	5.0
1,2,4-Trichlorobenzene			Not detected	5.0	Not detected	5.0
1,2,4-Trimethylbenzene			Not detected	5.0	Not detected	5.0
1,2-Dibromo-3-chloropropane			Not detected	5.0	Not detected	5.0
1,2-Dibromoethane			Not detected	5.0	Not detected	5.0
1,2-Dichlorobenzene			Not detected	5.0	Not detected	5.0
1,2-Dichloroethane			Not detected	5.0	Not detected	5.0
1,2-Dichloroethylene (Total)			Not detected	5.0	Not detected	5.0

YORK

Client Sample ID			OA-SB-2		OA-SB-3	
York Sample ID			09070234-01		09070234-02	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
1,2-Dichloropropane			Not detected	5.0	Not detected	5.0
1,3,5-Trimethylbenzene			Not detected	5.0	Not detected	5.0
1,3-Dichlorobenzene			Not detected	5.0	Not detected	5.0
1,3-Dichloropropane			Not detected	5.0	Not detected	5.0
1,4-Dichlorobenzene			Not detected	5.0	Not detected	5.0
2,2-Dichloropropane			Not detected	5.0	Not detected	5.0
2-Chlorotoluene			Not detected	5.0	Not detected	5.0
4-Chlorotoluene			Not detected	5.0	Not detected	5.0
Benzene			Not detected	5.0	Not detected	5.0
Bromobenzene			Not detected	5.0	Not detected	5.0
Bromochloromethane			Not detected	5.0	Not detected	5.0
Bromodichloromethane			Not detected	5.0	Not detected	5.0
Bromoform			Not detected	5.0	Not detected	5.0
Bromomethane			Not detected	5.0	Not detected	5.0
Carbon tetrachloride			Not detected	5.0	Not detected	5.0
Chlorobenzene			Not detected	5.0	Not detected	5.0
Chloroethane			Not detected	5.0	Not detected	5.0
Chloroform			Not detected	5.0	Not detected	5.0
Chloromethane			Not detected	5.0	Not detected	5.0
cis-1,3-Dichloropropylene			Not detected	5.0	Not detected	5.0
Dibromochloromethane			Not detected	5.0	Not detected	5.0
Dibromomethane			Not detected	5.0	Not detected	5.0
Dichlorodifluoromethane			Not detected	5.0	Not detected	5.0
Ethylbenzene			Not detected	5.0	Not detected	5.0
Hexachlorobutadiene			Not detected	5.0	Not detected	5.0
Isopropylbenzene			Not detected	5.0	Not detected	5.0
Methylene chloride			Not detected	5.0	Not detected	5.0
MTBE			Not detected	5.0	Not detected	5.0
Naphthalene			Not detected	5.0	Not detected	5.0
n-Butylbenzene			Not detected	5.0	Not detected	5.0
n-Propylbenzene			Not detected	5.0	Not detected	5.0
o-Xylene			Not detected	5.0	Not detected	5.0
p- & m-Xylenes			Not detected	5.0	Not detected	5.0
p-Isopropyltoluene			Not detected	5.0	Not detected	5.0
sec-Butylbenzene			Not detected	5.0	Not detected	5.0
Styrene			Not detected	5.0	Not detected	5.0
tert-Butylbenzene			Not detected	5.0	Not detected	5.0
Tetrachloroethylene			300	5.0	93	5.0
Toluene			Not detected	5.0	Not detected	5.0
trans-1,3-Dichloropropylene			Not detected	5.0	Not detected	5.0
Trichloroethylene			52	5.0	23	5.0
Trichlorofluoromethane			Not detected	5.0	Not detected	5.0
Vinyl chloride			Not detected	5.0	Not detected	5.0

YORK

Client Sample ID			OA-SB-5		OA-SB-8	
York Sample ID			09070234-03		09070234-04	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
Volatiles, 8260 List	SW846-8260	ug/L	---	---	---	---
1,1,1,2-Tetrachloroethane			Not detected	5.0	Not detected	50
1,1,1-Trichloroethane			Not detected	5.0	Not detected	50
1,1,2,2-Tetrachloroethane			Not detected	5.0	Not detected	50
1,1,2-Trichloroethane			Not detected	5.0	Not detected	50
1,1-Dichloroethane			Not detected	5.0	Not detected	50
1,1-Dichloroethylene			Not detected	5.0	Not detected	50
1,1-Dichloropropylene			Not detected	5.0	Not detected	50
1,2,3-Trichlorobenzene			Not detected	5.0	Not detected	50
1,2,3-Trichloropropane			Not detected	5.0	Not detected	50
1,2,4-Trichlorobenzene			Not detected	5.0	Not detected	50
1,2,4-Trimethylbenzene			Not detected	5.0	Not detected	50
1,2-Dibromo-3-chloropropane			Not detected	5.0	Not detected	50
1,2-Dibromoethane			Not detected	5.0	Not detected	50
1,2-Dichlorobenzene			Not detected	5.0	Not detected	50
1,2-Dichloroethane			Not detected	5.0	Not detected	50
1,2-Dichloroethylene (Total)			Not detected	5.0	Not detected	50
1,2-Dichloropropane			Not detected	5.0	Not detected	50
1,3,5-Trimethylbenzene			Not detected	5.0	Not detected	50
1,3-Dichlorobenzene			Not detected	5.0	Not detected	50
1,3-Dichloropropane			Not detected	5.0	Not detected	50
1,4-Dichlorobenzene			Not detected	5.0	Not detected	50
2,2-Dichloropropane			Not detected	5.0	Not detected	50
2-Chlorotoluene			Not detected	5.0	Not detected	50
4-Chlorotoluene			Not detected	5.0	Not detected	50
Benzene			Not detected	5.0	Not detected	50
Bromobenzene			Not detected	5.0	Not detected	50
Bromochloromethane			Not detected	5.0	Not detected	50
Bromodichloromethane			Not detected	5.0	Not detected	50
Bromoform			Not detected	5.0	Not detected	50
Bromomethane			Not detected	5.0	Not detected	50
Carbon tetrachloride			Not detected	5.0	Not detected	50
Chlorobenzene			Not detected	5.0	Not detected	50
Chloroethane			Not detected	5.0	Not detected	50
Chloroform			Not detected	5.0	Not detected	50
Chloromethane			Not detected	5.0	Not detected	50
cis-1,3-Dichloropropylene			Not detected	5.0	Not detected	50
Dibromochloromethane			Not detected	5.0	Not detected	50
Dibromomethane			Not detected	5.0	Not detected	50
Dichlorodifluoromethane			Not detected	5.0	Not detected	50
Ethylbenzene			Not detected	5.0	Not detected	50
Hexachlorobutadiene			Not detected	5.0	Not detected	50
Isopropylbenzene			Not detected	5.0	Not detected	50
Methylene chloride			Not detected	5.0	Not detected	50
MTBE			Not detected	5.0	Not detected	50
Naphthalene			Not detected	5.0	53	50
n-Butylbenzene			Not detected	5.0	Not detected	50
n-Propylbenzene			Not detected	5.0	Not detected	50
o-Xylene			Not detected	5.0	Not detected	50

YORK

Client Sample ID			OA-SB-5		OA-SB-8	
York Sample ID			09070234-03		09070234-04	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
p- & m-Xylenes			Not detected	5.0	Not detected	50
p-Isopropyltoluene			Not detected	5.0	Not detected	50
sec-Butylbenzene			Not detected	5.0	Not detected	50
Styrene			Not detected	5.0	Not detected	50
tert-Butylbenzene			Not detected	5.0	Not detected	50
Tetrachloroethylene			170	5.0	460	50
Toluene			Not detected	5.0	Not detected	50
trans-1,3-Dichloropropylene			Not detected	5.0	Not detected	50
Trichloroethylene			16	5.0	Not detected	50
Trichlorofluoromethane			Not detected	5.0	Not detected	50
Vinyl chloride			Not detected	5.0	Not detected	50

Client Sample ID			OA-SB-10		OA-SB-11	
York Sample ID			09070234-05		09070234-06	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
Volatiles, 8260 List	SW846-8260	ug/L	---	---	---	---
1,1,1,2-Tetrachloroethane			Not detected	5.0	Not detected	5.0
1,1,1-Trichloroethane			Not detected	5.0	Not detected	5.0
1,1,2,2-Tetrachloroethane			Not detected	5.0	Not detected	5.0
1,1,2-Trichloroethane			Not detected	5.0	Not detected	5.0
1,1-Dichloroethane			Not detected	5.0	Not detected	5.0
1,1-Dichloroethylene			Not detected	5.0	Not detected	5.0
1,1-Dichloropropylene			Not detected	5.0	Not detected	5.0
1,2,3-Trichlorobenzene			Not detected	5.0	Not detected	5.0
1,2,3-Trichloropropane			Not detected	5.0	Not detected	5.0
1,2,4-Trichlorobenzene			Not detected	5.0	Not detected	5.0
1,2,4-Trimethylbenzene			Not detected	5.0	Not detected	5.0
1,2-Dibromo-3-chloropropane			Not detected	5.0	Not detected	5.0
1,2-Dibromoethane			Not detected	5.0	Not detected	5.0
1,2-Dichlorobenzene			Not detected	5.0	Not detected	5.0
1,2-Dichloroethane			Not detected	5.0	Not detected	5.0
1,2-Dichloroethylene (Total)			Not detected	5.0	Not detected	5.0
1,2-Dichloropropane			Not detected	5.0	Not detected	5.0
1,3,5-Trimethylbenzene			Not detected	5.0	Not detected	5.0
1,3-Dichlorobenzene			Not detected	5.0	Not detected	5.0
1,3-Dichloropropane			Not detected	5.0	Not detected	5.0
1,4-Dichlorobenzene			Not detected	5.0	Not detected	5.0
2,2-Dichloropropane			Not detected	5.0	Not detected	5.0
2-Chlorotoluene			Not detected	5.0	Not detected	5.0
4-Chlorotoluene			Not detected	5.0	Not detected	5.0
Benzene			Not detected	5.0	Not detected	5.0
Bromobenzene			Not detected	5.0	Not detected	5.0
Bromochloromethane			Not detected	5.0	Not detected	5.0
Bromodichloromethane			Not detected	5.0	Not detected	5.0
Bromoform			Not detected	5.0	Not detected	5.0
Bromomethane			Not detected	5.0	Not detected	5.0
Carbon tetrachloride			Not detected	5.0	Not detected	5.0
Chlorobenzene			Not detected	5.0	Not detected	5.0

YORK

Client Sample ID			OA-SB-10		OA-SB-11	
York Sample ID			09070234-05		09070234-06	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
Chloroethane			Not detected	5.0	Not detected	5.0
Chloroform			Not detected	5.0	Not detected	5.0
Chloromethane			Not detected	5.0	Not detected	5.0
cis-1,3-Dichloropropylene			Not detected	5.0	Not detected	5.0
Dibromochloromethane			Not detected	5.0	Not detected	5.0
Dibromomethane			Not detected	5.0	Not detected	5.0
Dichlorodifluoromethane			Not detected	5.0	Not detected	5.0
Ethylbenzene			Not detected	5.0	Not detected	5.0
Hexachlorobutadiene			Not detected	5.0	Not detected	5.0
Isopropylbenzene			Not detected	5.0	Not detected	5.0
Methylene chloride			Not detected	5.0	Not detected	5.0
MTBE			Not detected	5.0	Not detected	5.0
Naphthalene			Not detected	5.0	Not detected	5.0
n-Butylbenzene			Not detected	5.0	Not detected	5.0
n-Propylbenzene			Not detected	5.0	Not detected	5.0
o-Xylene			Not detected	5.0	Not detected	5.0
p- & m-Xylenes			Not detected	5.0	Not detected	5.0
p-Isopropyltoluene			Not detected	5.0	Not detected	5.0
sec-Butylbenzene			Not detected	5.0	Not detected	5.0
Styrene			Not detected	5.0	Not detected	5.0
tert-Butylbenzene			Not detected	5.0	Not detected	5.0
Tetrachloroethylene			190	5.0	220	5.0
Toluene			Not detected	5.0	Not detected	5.0
trans-1,3-Dichloropropylene			Not detected	5.0	Not detected	5.0
Trichloroethylene			14	5.0	16	5.0
Trichlorofluoromethane			Not detected	5.0	Not detected	5.0
Vinyl chloride			Not detected	5.0	Not detected	5.0

Client Sample ID			OA-SB-13	
York Sample ID			09070234-07	
Matrix			WATER	
Parameter	Method	Units	Results	MDL
Volatiles, 8260 List	SW846-8260	ug/L	---	---
1,1,1,2-Tetrachloroethane			Not detected	50
1,1,1-Trichloroethane			Not detected	50
1,1,2,2-Tetrachloroethane			Not detected	50
1,1,2-Trichloroethane			Not detected	50
1,1-Dichloroethane			Not detected	50
1,1-Dichloroethylene			Not detected	50
1,1-Dichloropropylene			Not detected	50
1,2,3-Trichlorobenzene			Not detected	50
1,2,3-Trichloropropane			Not detected	50
1,2,4-Trichlorobenzene			Not detected	50
1,2,4-Trimethylbenzene			Not detected	50
1,2-Dibromo-3-chloropropane			Not detected	50
1,2-Dibromoethane			Not detected	50
1,2-Dichlorobenzene			Not detected	50
1,2-Dichloroethane			Not detected	50
1,2-Dichloroethylene (Total)			Not detected	50

YORK

Client Sample ID			OA-SB-13	
York Sample ID			09070234-07	
Matrix			WATER	
Parameter	Method	Units	Results	MDL
1,2-Dichloropropane			Not detected	50
1,3,5-Trimethylbenzene			Not detected	50
1,3-Dichlorobenzene			Not detected	50
1,3-Dichloropropane			Not detected	50
1,4-Dichlorobenzene			Not detected	50
2,2-Dichloropropane			Not detected	50
2-Chlorotoluene			Not detected	50
4-Chlorotoluene			Not detected	50
Benzene			Not detected	50
Bromobenzene			Not detected	50
Bromochloromethane			Not detected	50
Bromodichloromethane			Not detected	50
Bromoform			Not detected	50
Bromomethane			Not detected	50
Carbon tetrachloride			Not detected	50
Chlorobenzene			Not detected	50
Chloroethane			Not detected	50
Chloroform			Not detected	50
Chloromethane			Not detected	50
cis-1,3-Dichloropropylene			Not detected	50
Dibromochloromethane			Not detected	50
Dibromomethane			Not detected	50
Dichlorodifluoromethane			Not detected	50
Ethylbenzene			Not detected	50
Hexachlorobutadiene			Not detected	50
Isopropylbenzene			Not detected	50
Methylene chloride			Not detected	50
MTBE			Not detected	50
Naphthalene			Not detected	50
n-Butylbenzene			Not detected	50
n-Propylbenzene			Not detected	50
o-Xylene			Not detected	50
p- & m-Xylenes			Not detected	50
p-Isopropyltoluene			Not detected	50
sec-Butylbenzene			Not detected	50
Styrene			Not detected	50
tert-Butylbenzene			Not detected	50
Tetrachloroethylene			930	50
Toluene			Not detected	50
trans-1,3-Dichloropropylene			Not detected	50
Trichloroethylene			Not detected	50
Trichlorofluoromethane			Not detected	50
Vinyl chloride			Not detected	50

Units Key: For Waters/Liquids: mg/L = ppm ; ug/L = ppb For Soils/Solids: mg/kg = ppm ; ug/kg = ppb

YORK

Report Date: 7/13/2009
Client Project ID: 20910.00
York Project No.: 09070234

Notes for York Project No. 09070234

1. The MDL (Minimum Detectable Limit) reported is adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. This MDL is the REPORTING LIMIT and is based upon the lowest standard utilized for calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All samples were received in proper condition for analysis with proper documentation.
6. All analyses conducted met method or Laboratory SOP requirements.
7. It is noted that no analyses reported herein were subcontracted to another laboratory.

Approved By: _____ **Date:** 7/13/2009
Robert Q. Bradley
Managing Director

YORK

CHAIN OF CUSTODY RECORD

0 9070234

CHAZEN ENVIRONMENTAL SERVICES, INC.

Dutchess County Office:
21 Fox Street
Poughkeepsie, New York 12601
Phone: 845-454-3980
Fax: 845-454-4026

Orange County Office:
356 Meadow Avenue
Newburgh, New York 12550
Phone: 845-567-1133
Fax: 845-567-1925

Capital District Office:
547 River Street
Troy, New York 12180
Phone: 518-273-0055
Fax: 518-273-8391

North County Office:
100 Glen Street
Glens Falls, New York 12801
Phone: 518-812-0513
Fax: 518-812-2205

Connecticut Office:
914 Hartford Turnpike
Waterford, Connecticut 06385
Phone: 860-440-2690
Fax: 860-440-2696

Attention: Cathy M. Jon Michael/Ewell O'Brien

Project Name: Oakdale Acres

Location: Ashland Knox, NY

Project Number: 2070108

Project Manager: D. Michael

PO # E9042

Laboratory: York

Turn Around Time: STD

Level: Normal

Packed on Ice

SAMPLE ID	DATE	TIME	Composite	Grab Sample	Matrix	Total Number of Containers	40 ml Vial: Preserved	40 ml Vial: Un-Preserved	Liter Un-Preserved: Glass - Clear	Liter Un-Preserved: Glass - Amber	Liter Un-Preserved: Plastic	Liter Preserved: Sulfuric	Liter Preserved: Nitric	Liter Preserved: Sodium Hydroxide	Liter Preserved: Other	Liter Preserved: Organic Washed	500 ml: Field Filtered Dissolved Oxygen	250 ml: Glass	250 ml: Plastic	125 ml Glass: Sterile Plastic	125 ml Glass: Soil Sample	125 ml Glass: Other	ANALYSIS REQUESTED
OA-SB-2	7/6/09	1410		X	GW	3	3																8260
OA-SB-3		1040																					
OA-SB-5		1250																					
OA-SB-8		1210																					
OA-SB-10		1130																					
OA-SB-11		1335																					
OA-SB-13		955																					

Please Identify Matrix: GW - Groundwater SW - Surface Water DW - Drinking Water SS - Soil Sample SD - Sediment Sample SL - Sludge PS - Process Sample Other (Please Specify)

Sampled By: Name: Ewell O'Brien (Please Print) Date: 7/6/09 Time: 15:50 Company: TCC

Relinquished By: Name: Catherine Monica (Please Print) Date: 7-7-09 Time: 10:40 Company: TCC

Received By: Name: [signature] (Please Print) Date: 7-7-09 Time: 10:40 Company: York

Received By: Name: (Please Print) Date: Time: Company:

PLEASE NOTE: Pink Sheet - Chazen Copy Yellow Sheet - Laboratory File Copy White Top Sheet - Report Copy (Please return along with completed Lab Results)

Report Date:
14-Jul-09 11:58

☑ Final Report
☐ Re-Issued Report
☐ Revised Report

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

Laboratory Report

The Chazen Companies
21 Fox Street
Poughkeepsie, NY 12601
Attn: Catherine Monian

Project: See COC
Project [none]

Laboratory ID	Client Sample ID	Container	Matrix	Date Sampled	Date Received
SA97199-01	OA-SS-003	Summa canister 6 liter	Soil Gas	01-Jul-09 17:55	02-Jul-09 17:31
SA97199-02	OA-SS-001	Summa canister 6 liter	Soil Gas	01-Jul-09 17:40	02-Jul-09 17:31
SA97199-03	OA-SS-002	Summa canister 6 liter	Soil Gas	01-Jul-09 17:50	02-Jul-09 17:31
SA97199-04	OA-IAQ	Summa canister 6 liter	Air	01-Jul-09 17:55	02-Jul-09 17:31

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. These results relate only to the sample(s) as received.
All applicable NELAC requirements have been met.

Massachusetts # M-MA138/MA1110
Connecticut # PH-0777
Florida # E87600/E87936
Maine # MA138
New Hampshire # 2538
New Jersey # MA011/MA012
New York # 11393/11840
Pennsylvania # 68-04426/68-02924
Rhode Island # 98
USDA # S-51435
Vermont # VT-11393

Authorized by:



Hanibal C. Tayeh, Ph.D.
President/Laboratory Director

Technical Reviewer's Initial:

Spectrum Analytical holds certification in the State of New York for the analytes as indicated with an X in the "Cert." column within this report. Please note that the State of New York does not offer certification for all analytes.
Please note that this report contains 14 pages of analytical data plus Chain of Custody document(s). When the Laboratory Report is indicated as revised, this report supercedes any previously dated reports for the laboratory ID(s) referenced above. Where this report identifies subcontracted analyses, copies of the subcontractor's test report is available upon request. This report may not be reproduced, except in full, without written approval from Spectrum Analytical, Inc.

Spectrum Analytical, Inc. is a NELAC accredited laboratory organization and meets NELAC testing standards. Use of the NELAC logo however does not insure that Spectrum is currently accredited for the specific method or analyte indicated. Please refer to our "Quality" web page at www.spectrum-analytical.com for a full listing of our current certifications and fields of accreditation. States in which Spectrum Analytical, Inc. holds NELAC certification are New York, New Hampshire, New Jersey and Florida. All analytical work for Volatile Organic and Air analysis are transferred to and conducted at our 830 Silver Street location (NY-11840, FL-E87936 and NJ-MA012).

Please contact the Laboratory or Technical Director at 800-789-9115 with any questions regarding the data contained in this laboratory report.

CASE NARRATIVE:

If a Matrix Spike (MS), Matrix Spike Duplicate (MSD) or Duplicate (DUP) was not requested on the Chain of Custody, method criteria may have been fulfilled with a source sample not of this Sample Delivery Group.

Required site-specific Matrix Spike/Matrix Spike Duplicate (MS/MSD) must be requested by the client and sufficient sample must be submitted for the additional analyses. Samples submitted with insufficient volume/weight will not be analyzed for site specific MS/MSD, however a batch MS/MSD may be analyzed from a non-site specific sample.

See below for any non-conformances and issues relating to quality control samples and/or sample analysis/matrix.

EPA TO-15

Laboratory Control Samples:

9070583-BS1

Analyte out of acceptance range in QC spike but no reportable concentration present in sample.

Bromoform

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
OA-SS-003	[none]	Soil Gas	01-Jul-09 17:55	02-Jul-09
SA97199-01				

CAS No.	*Analyte(s)*	*Result ppbv*	**RDL*	*Result ug/m³*	**RDL*	*Flag*	*Method Ref.*	*Analyzed*	*Batch*	*Cert.*
Air Quality Analyses										
EPA TO-15			Prepared 08-Jul-09				Can pressure: 0			
115-07-1	Propene	< 0.294	0.500	< 0.51	0.86	U	EPA TO-15	08-Jul-09	9070583	
75-71-8	Dichlorodifluoromethane (Freon12)	0.840	0.500	4.15	2.47		"	"	"	X
74-87-3	Chloromethane	0.480	0.500	0.99	1.03	J	"	"	"	X
76-14-2	1,2-Dichlorotetrafluoroethane (Freon 114)	< 0.246	0.500	< 1.72	3.49	U	"	"	"	
75-01-4	Vinyl chloride	< 0.233	0.500	< 0.60	1.28	U	"	"	"	X
106-99-0	1,3-Butadiene	< 0.256	0.500	< 0.57	1.10	U	"	"	"	X
74-83-9	Bromomethane	< 0.212	0.500	< 0.82	1.94	U	"	"	"	X
75-00-3	Chloroethane	< 0.270	0.500	< 0.71	1.32	U	"	"	"	X
67-64-1	Acetone	7.16	0.500	17.01	1.19		"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	0.320	0.500	1.80	2.81	J	"	"	"	X
64-17-5	Ethanol	6.28	0.500	11.84	0.94		"	"	"	
107-13-1	Acrylonitrile	< 0.151	0.500	< 0.33	1.08	U	"	"	"	
75-35-4	1,1-Dichloroethene	< 0.198	0.500	< 0.79	1.98	U	"	"	"	X
75-09-2	Methylene chloride	0.450	0.500	1.56	1.74	J	"	"	"	X
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 0.225	0.500	< 1.72	3.83	U	"	"	"	X
75-15-0	Carbon disulfide	< 0.186	0.500	< 0.58	1.56	U	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 0.191	0.500	< 0.76	1.98	U	"	"	"	X
75-34-3	1,1-Dichloroethane	< 0.191	0.500	< 0.77	2.02	U	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 0.192	0.500	< 0.69	1.80	U	"	"	"	X
67-63-0	Isopropyl alcohol	2.34	0.500	5.74	1.23		"	"	"	X
78-93-3	2-Butanone (MEK)	< 0.406	0.500	< 1.20	1.47	U	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 0.135	0.500	< 0.54	1.98	U	"	"	"	X
110-54-3	Hexane	0.310	0.500	1.09	1.76	J	"	"	"	X
141-78-6	Ethyl acetate	< 0.194	0.500	< 0.70	1.80	U	"	"	"	
67-66-3	Chloroform	< 0.151	0.500	< 0.73	2.43	U	"	"	"	X
109-99-9	Tetrahydrofuran	< 0.225	0.500	< 0.66	1.47	U	"	"	"	
107-06-2	1,2-Dichloroethane	< 0.142	0.500	< 0.57	2.02	U	"	"	"	X
71-55-6	1,1,1-Trichloroethane	< 0.137	0.500	< 0.75	2.73	U	"	"	"	X
71-43-2	Benzene	0.240	0.500	0.77	1.60	J	"	"	"	X
56-23-5	Carbon tetrachloride	< 0.145	0.500	< 0.91	3.15	U	"	"	"	X
110-82-7	Cyclohexane	< 0.214	0.500	< 0.74	1.72	U	"	"	"	X
78-87-5	1,2-Dichloropropane	< 0.172	0.500	< 0.79	2.31	U	"	"	"	X
75-27-4	Bromodichloromethane	< 0.180	0.500	< 1.21	3.35	U	"	"	"	X
79-01-6	Trichloroethene	0.530	0.500	2.85	2.69		"	"	"	X
123-91-1	1,4-Dioxane	< 0.391	0.500	< 1.41	1.80	U	"	"	"	
142-82-5	n-Heptane	< 0.138	0.500	< 0.57	2.05	U	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 0.230	0.500	< 0.94	2.05	U	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 0.190	0.500	< 0.86	2.27	U	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 0.159	0.500	< 0.72	2.27	U	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 0.234	0.500	< 1.28	2.73	U	"	"	"	X
108-88-3	Toluene	1.31	0.500	4.93	1.88		"	"	"	X
591-78-6	2-Hexanone (MBK)	< 0.224	0.500	< 0.92	2.05	U	"	"	"	
124-48-1	Dibromochloromethane	< 0.193	0.500	< 1.64	4.26	U	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	< 0.150	0.500	< 1.15	3.84	U	"	"	"	X
127-18-4	Tetrachloroethene	7.74	0.500	52.49	3.39		"	"	"	X
108-90-7	Chlorobenzene	< 0.282	0.500	< 1.30	2.30	U	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	< 0.307	0.500	< 2.11	3.44	U	"	"	"	
100-41-4	Ethylbenzene	< 0.191	0.500	< 0.83	2.17	U	"	"	"	X
179601-23-1	m,p-Xylene	< 0.489	0.500	< 2.12	2.17	U	"	"	"	X
75-25-2	Bromoform	< 0.316	0.500	< 3.27	5.17	U	"	"	"	X
100-42-5	Styrene	< 0.187	0.500	< 0.80	2.13	U	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
OA-SS-003 SA97199-01	[none]	Soil Gas	01-Jul-09 17:55	02-Jul-09

CAS No.	*Analyte(s)*	*Result ppbv*	**RDL*	*Result ug/m³*	**RDL*	*Flag*	*Method Ref.*	*Analyzed*	*Batch*	*Cert.*
Air Quality Analyses										
EPA TO-15			Prepared 08-Jul-09				Can pressure: 0			
95-47-6	o-Xylene	< 0.266	0.500	< 1.15	2.17	U	EPA TO-15	08-Jul-09	9070583	X
79-34-5	1,1,2,2-Tetrachloroethane	< 0.436	0.500	< 2.99	3.43	U	"	"	"	X
98-82-8	Isopropylbenzene	< 0.259	0.500	< 1.27	2.46	U	"	"	"	
108-67-8	1,3,5-Trimethylbenzene	< 0.285	0.500	< 1.40	2.46	U	"	"	"	X
622-96-8	4-Ethyltoluene	< 0.280	0.500	< 1.38	2.46	U	"	"	"	
95-63-6	1,2,4-Trimethylbenzene	0.380	0.500	1.87	2.46	J	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 0.276	0.500	< 1.66	3.01	U	"	"	"	X
100-44-7	Benzyl chloride	< 0.247	0.500	< 1.27	2.58	U	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 0.259	0.500	< 1.56	3.01	U	"	"	"	X
135-98-8	sec-Butylbenzene	< 0.264	0.500	< 1.45	2.74	U	"	"	"	
99-87-6	4-Isopropyltoluene	< 0.245	0.500	< 1.31	2.68	U	"	"	"	
95-50-1	1,2-Dichlorobenzene	< 0.227	0.500	< 1.36	3.01	U	"	"	"	X
104-51-8	n-Butylbenzene	< 0.213	0.500	< 1.17	2.74	U	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	< 0.160	0.500	< 1.19	3.71	U	"	"	"	X
87-68-3	Hexachlorobutadiene	< 0.248	0.500	< 2.64	5.33	U	"	"	"	X
Surrogate recoveries:										
460-00-4	*4-Bromofluorobenzene*	*100*	*70-130 %*				"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
OA-SS-001	[none]	Soil Gas	01-Jul-09 17:40	02-Jul-09
SA97199-02				

CAS No.	*Analyte(s)*	*Result ppbv*	**RDL*	*Result ug/m³*	**RDL*	*Flag*	*Method Ref.*	*Analyzed*	*Batch*	*Cert.*
Air Quality Analyses										
EPA TO-15			Prepared 08-Jul-09				Can pressure: +1			
115-07-1	Propene	< 5.88	10.0	< 10.12	17.21	U	EPA TO-15	08-Jul-09	9070583	
75-71-8	Dichlorodifluoromethane (Freon12)	117	10.0	578.54	49.45		"	"	"	X
74-87-3	Chloromethane	< 5.73	10.0	< 11.83	20.65	U	"	"	"	X
76-14-2	1,2-Dichlorotetrafluoroethane (Freon 114)	< 4.93	10.0	< 34.46	69.90	U	"	"	"	
75-01-4	Vinyl chloride	< 4.65	10.0	< 11.89	25.56	U	"	"	"	X
106-99-0	1,3-Butadiene	< 5.12	10.0	< 11.31	22.09	U	"	"	"	X
74-83-9	Bromomethane	< 4.23	10.0	< 16.42	38.81	U	"	"	"	X
75-00-3	Chloroethane	< 5.39	10.0	< 14.22	26.38	U	"	"	"	X
67-64-1	Acetone	53.8	10.0	127.84	23.76		"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	< 5.73	10.0	< 32.20	56.20	U	"	"	"	X
64-17-5	Ethanol	23.4	10.0	44.12	18.85		"	"	"	
107-13-1	Acrylonitrile	< 3.03	10.0	< 6.57	21.68	U	"	"	"	
75-35-4	1,1-Dichloroethene	< 3.96	10.0	< 15.71	39.67	U	"	"	"	X
75-09-2	Methylene chloride	< 5.08	10.0	< 17.64	34.72	U	"	"	"	X
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 4.50	10.0	< 34.49	76.65	U	"	"	"	X
75-15-0	Carbon disulfide	< 3.73	10.0	< 11.61	31.12	U	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 3.82	10.0	< 15.15	39.65	U	"	"	"	X
75-34-3	1,1-Dichloroethane	< 3.82	10.0	< 15.47	40.49	U	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 3.85	10.0	< 13.89	36.07	U	"	"	"	X
67-63-0	Isopropyl alcohol	< 4.13	10.0	< 10.13	24.54	U	"	"	"	X
78-93-3	2-Butanone (MEK)	< 8.11	10.0	< 23.92	29.49	U	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 2.70	10.0	< 10.71	39.65	U	"	"	"	X
110-54-3	Hexane	< 2.63	10.0	< 9.27	35.26	U	"	"	"	X
141-78-6	Ethyl acetate	< 3.88	10.0	< 13.98	36.03	U	"	"	"	
67-66-3	Chloroform	< 3.02	10.0	< 14.70	48.67	U	"	"	"	X
109-99-9	Tetrahydrofuran	< 4.49	10.0	< 13.24	29.49	U	"	"	"	
107-06-2	1,2-Dichloroethane	< 2.85	10.0	< 11.54	40.49	U	"	"	"	X
71-55-6	1,1,1-Trichloroethane	< 2.75	10.0	< 15.00	54.56	U	"	"	"	X
71-43-2	Benzene	< 3.03	10.0	< 9.67	31.90	U	"	"	"	X
56-23-5	Carbon tetrachloride	< 2.90	10.0	< 18.24	62.90	U	"	"	"	X
110-82-7	Cyclohexane	< 4.29	10.0	< 14.77	34.42	U	"	"	"	X
78-87-5	1,2-Dichloropropane	< 3.43	10.0	< 15.85	46.22	U	"	"	"	X
75-27-4	Bromodichloromethane	< 3.59	10.0	< 24.05	66.99	U	"	"	"	X
79-01-6	Trichloroethene	< 5.63	10.0	< 30.26	53.74	U	"	"	"	X
123-91-1	1,4-Dioxane	< 7.82	10.0	< 28.15	35.99	U	"	"	"	
142-82-5	n-Heptane	< 2.75	10.0	< 11.27	40.98	U	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 4.59	10.0	< 18.81	40.98	U	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 3.81	10.0	< 17.30	45.40	U	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 3.18	10.0	< 14.44	45.40	U	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 4.68	10.0	< 25.53	54.56	U	"	"	"	X
108-88-3	Toluene	371	10.0	1395.99	37.63		"	"	"	X
591-78-6	2-Hexanone (MBK)	< 4.47	10.0	< 18.32	40.98	U	"	"	"	
124-48-1	Dibromochloromethane	< 3.86	10.0	< 32.88	85.19	U	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	< 3.00	10.0	< 23.06	76.85	U	"	"	"	X
127-18-4	Tetrachloroethene	1200	10.0	8137.42	67.81		"	"	"	X
108-90-7	Chlorobenzene	< 5.64	10.0	< 25.97	46.05	U	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	< 6.15	10.0	< 42.26	68.71	U	"	"	"	
100-41-4	Ethylbenzene	< 3.82	10.0	< 16.56	43.35	U	"	"	"	X
179601-23-1	m,p-Xylene	< 9.78	10.0	< 42.40	43.35	U	"	"	"	X
75-25-2	Bromoform	< 6.33	10.0	< 65.42	103.35	U	"	"	"	X
100-42-5	Styrene	< 3.74	10.0	< 15.91	42.54	U	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
OA-SS-001	[none]	Soil Gas	01-Jul-09 17:40	02-Jul-09
SA97199-02				

CAS No.	*Analyte(s)*	*Result ppbv*	**RDL*	*Result ug/m³*	**RDL*	*Flag*	*Method Ref.*	*Analyzed*	*Batch*	*Cert.*
Air Quality Analyses										
EPA TO-15			Prepared 08-Jul-09				Can pressure: +1			
95-47-6	o-Xylene	< 5.33	10.0	< 23.11	43.35	U	EPA TO-15	08-Jul-09	9070583	X
79-34-5	1,1,2,2-Tetrachloroethane	< 8.71	10.0	< 59.81	68.67	U	"	"	"	X
98-82-8	Isopropylbenzene	< 5.19	10.0	< 25.51	49.16	U	"	"	"	
108-67-8	1,3,5-Trimethylbenzene	< 5.70	10.0	< 28.02	49.16	U	"	"	"	X
622-96-8	4-Ethyltoluene	< 5.59	10.0	< 27.48	49.16	U	"	"	"	
95-63-6	1,2,4-Trimethylbenzene	< 5.22	10.0	< 25.66	49.16	U	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 5.53	10.0	< 33.25	60.12	U	"	"	"	X
100-44-7	Benzyl chloride	< 4.93	10.0	< 25.41	51.53	U	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 5.19	10.0	< 31.20	60.12	U	"	"	"	X
135-98-8	sec-Butylbenzene	< 5.29	10.0	< 29.04	54.89	U	"	"	"	
99-87-6	4-Isopropyltoluene	< 4.91	10.0	< 26.35	53.66	U	"	"	"	
95-50-1	1,2-Dichlorobenzene	< 4.54	10.0	< 27.30	60.12	U	"	"	"	X
104-51-8	n-Butylbenzene	< 4.26	10.0	< 23.38	54.89	U	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	< 3.19	10.0	< 23.68	74.23	U	"	"	"	X
87-68-3	Hexachlorobutadiene	< 4.96	10.0	< 52.89	106.63	U	"	"	"	X
Surrogate recoveries:										
460-00-4	*4-Bromofluorobenzene*	*95*	*70-130 %*				"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
OA-SS-002	[none]	Soil Gas	01-Jul-09 17:50	02-Jul-09
SA97199-03				

CAS No.	*Analyte(s)*	*Result ppbv*	**RDL*	*Result ug/m³*	**RDL*	*Flag*	*Method Ref.*	*Analyzed*	*Batch*	*Cert.*
Air Quality Analyses										
EPA TO-15			Prepared 08-Jul-09				Can pressure: 0			
115-07-1	Propene	< 0.588	1.00	< 1.01	1.72	U	EPA TO-15	08-Jul-09	9070583	
75-71-8	Dichlorodifluoromethane (Freon12)	1.40	1.00	6.92	4.94		"	"	"	X
74-87-3	Chloromethane	< 0.573	1.00	< 1.18	2.07	U	"	"	"	X
76-14-2	1,2-Dichlorotetrafluoroethane (Freon 114)	< 0.493	1.00	< 3.45	6.99	U	"	"	"	
75-01-4	Vinyl chloride	< 0.465	1.00	< 1.19	2.56	U	"	"	"	X
106-99-0	1,3-Butadiene	< 0.512	1.00	< 1.13	2.21	U	"	"	"	X
74-83-9	Bromomethane	< 0.423	1.00	< 1.64	3.88	U	"	"	"	X
75-00-3	Chloroethane	< 0.539	1.00	< 1.42	2.64	U	"	"	"	X
67-64-1	Acetone	17.0	1.00	40.40	2.38		"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	< 0.573	1.00	< 3.22	5.62	U	"	"	"	X
64-17-5	Ethanol	4.94	1.00	9.31	1.89		"	"	"	
107-13-1	Acrylonitrile	< 0.303	1.00	< 0.66	2.17	U	"	"	"	
75-35-4	1,1-Dichloroethene	< 0.396	1.00	< 1.57	3.97	U	"	"	"	X
75-09-2	Methylene chloride	< 0.508	1.00	< 1.76	3.47	U	"	"	"	X
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 0.450	1.00	< 3.45	7.66	U	"	"	"	X
75-15-0	Carbon disulfide	< 0.373	1.00	< 1.16	3.11	U	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 0.382	1.00	< 1.51	3.97	U	"	"	"	X
75-34-3	1,1-Dichloroethane	< 0.382	1.00	< 1.55	4.05	U	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 0.385	1.00	< 1.39	3.61	U	"	"	"	X
67-63-0	Isopropyl alcohol	1.34	1.00	3.29	2.45		"	"	"	X
78-93-3	2-Butanone (MEK)	< 0.811	1.00	< 2.39	2.95	U	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 0.270	1.00	< 1.07	3.97	U	"	"	"	X
110-54-3	Hexane	< 0.263	1.00	< 0.93	3.53	U	"	"	"	X
141-78-6	Ethyl acetate	< 0.388	1.00	< 1.40	3.60	U	"	"	"	
67-66-3	Chloroform	0.720	1.00	3.50	4.87	J	"	"	"	X
109-99-9	Tetrahydrofuran	< 0.449	1.00	< 1.32	2.95	U	"	"	"	
107-06-2	1,2-Dichloroethane	< 0.285	1.00	< 1.15	4.05	U	"	"	"	X
71-55-6	1,1,1-Trichloroethane	< 0.275	1.00	< 1.50	5.46	U	"	"	"	X
71-43-2	Benzene	2.12	1.00	6.76	3.19		"	"	"	X
56-23-5	Carbon tetrachloride	< 0.290	1.00	< 1.82	6.29	U	"	"	"	X
110-82-7	Cyclohexane	0.460	1.00	1.58	3.44	J	"	"	"	X
78-87-5	1,2-Dichloropropane	< 0.343	1.00	< 1.59	4.62	U	"	"	"	X
75-27-4	Bromodichloromethane	< 0.359	1.00	< 2.41	6.70	U	"	"	"	X
79-01-6	Trichloroethene	1.74	1.00	9.35	5.37		"	"	"	X
123-91-1	1,4-Dioxane	< 0.782	1.00	< 2.81	3.60	U	"	"	"	
142-82-5	n-Heptane	< 0.275	1.00	< 1.13	4.10	U	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 0.459	1.00	< 1.88	4.10	U	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 0.381	1.00	< 1.73	4.54	U	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 0.318	1.00	< 1.44	4.54	U	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 0.468	1.00	< 2.55	5.46	U	"	"	"	X
108-88-3	Toluene	138	1.00	519.26	3.76		"	"	"	X
591-78-6	2-Hexanone (MBK)	< 0.447	1.00	< 1.83	4.10	U	"	"	"	
124-48-1	Dibromochloromethane	< 0.386	1.00	< 3.29	8.52	U	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	< 0.300	1.00	< 2.31	7.69	U	"	"	"	X
127-18-4	Tetrachloroethene	114	1.00	773.06	6.78		"	"	"	X
108-90-7	Chlorobenzene	< 0.564	1.00	< 2.60	4.61	U	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	< 0.615	1.00	< 4.23	6.87	U	"	"	"	
100-41-4	Ethylbenzene	< 0.382	1.00	< 1.66	4.34	U	"	"	"	X
179601-23-1	m,p-Xylene	1.88	1.00	8.15	4.34		"	"	"	X
75-25-2	Bromoform	< 0.633	1.00	< 6.54	10.34	U	"	"	"	X
100-42-5	Styrene	< 0.374	1.00	< 1.59	4.25	U	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
OA-SS-002 SA97199-03	[none]	Soil Gas	01-Jul-09 17:50	02-Jul-09

CAS No.	*Analyte(s)*	*Result ppbv*	**RDL*	*Result ug/m³*	**RDL*	*Flag*	*Method Ref.*	*Analyzed*	*Batch*	*Cert.*
Air Quality Analyses										
EPA TO-15			Prepared 08-Jul-09				Can pressure: 0			
95-47-6	o-Xylene	< 0.533	1.00	< 2.31	4.34	U	EPA TO-15	08-Jul-09	9070583	X
79-34-5	1,1,2,2-Tetrachloroethane	< 0.871	1.00	< 5.98	6.87	U	"	"	"	X
98-82-8	Isopropylbenzene	< 0.519	1.00	< 2.55	4.92	U	"	"	"	
108-67-8	1,3,5-Trimethylbenzene	< 0.570	1.00	< 2.80	4.92	U	"	"	"	X
622-96-8	4-Ethyltoluene	< 0.559	1.00	< 2.75	4.92	U	"	"	"	
95-63-6	1,2,4-Trimethylbenzene	< 0.522	1.00	< 2.57	4.92	U	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 0.553	1.00	< 3.32	6.01	U	"	"	"	X
100-44-7	Benzyl chloride	< 0.493	1.00	< 2.54	5.15	U	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 0.519	1.00	< 3.12	6.01	U	"	"	"	X
135-98-8	sec-Butylbenzene	< 0.529	1.00	< 2.90	5.49	U	"	"	"	
99-87-6	4-Isopropyltoluene	< 0.491	1.00	< 2.63	5.37	U	"	"	"	
95-50-1	1,2-Dichlorobenzene	0.600	1.00	3.61	6.01	J	"	"	"	X
104-51-8	n-Butylbenzene	< 0.426	1.00	< 2.34	5.49	U	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	< 0.319	1.00	< 2.37	7.42	U	"	"	"	X
87-68-3	Hexachlorobutadiene	< 0.496	1.00	< 5.29	10.66	U	"	"	"	X
Surrogate recoveries:										
460-00-4	*4-Bromofluorobenzene*	*100*	*70-130 %*				"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
OA-IAQ	[none]	Air	01-Jul-09 17:55	02-Jul-09
SA97199-04				

CAS No.	*Analyte(s)*	*Result ppbv*	**RDL*	*Result ug/m³*	**RDL*	*Flag*	*Method Ref.*	*Analyzed*	*Batch*	*Cert.*
Air Quality Analyses										
EPA TO-15			Prepared 08-Jul-09				Can pressure: +1			
115-07-1	Propene	0.920	0.500	1.58	0.86		EPA TO-15	08-Jul-09	9070583	
75-71-8	Dichlorodifluoromethane (Freon12)	0.850	0.500	4.20	2.47		"	"	"	X
74-87-3	Chloromethane	0.480	0.500	0.99	1.03	J	"	"	"	X
76-14-2	1,2-Dichlorotetrafluoroethane (Freon 114)	< 0.246	0.500	< 1.72	3.49	U	"	"	"	
75-01-4	Vinyl chloride	< 0.233	0.500	< 0.60	1.28	U	"	"	"	X
106-99-0	1,3-Butadiene	< 0.256	0.500	< 0.57	1.10	U	"	"	"	X
74-83-9	Bromomethane	< 0.212	0.500	< 0.82	1.94	U	"	"	"	X
75-00-3	Chloroethane	< 0.270	0.500	< 0.71	1.32	U	"	"	"	X
67-64-1	Acetone	8.95	0.500	21.27	1.19		"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	0.310	0.500	1.74	2.81	J	"	"	"	X
64-17-5	Ethanol	9.75	0.500	18.38	0.94		"	"	"	
107-13-1	Acrylonitrile	< 0.151	0.500	< 0.33	1.08	U	"	"	"	
75-35-4	1,1-Dichloroethene	< 0.198	0.500	< 0.79	1.98	U	"	"	"	X
75-09-2	Methylene chloride	0.350	0.500	1.22	1.74	J	"	"	"	X
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 0.225	0.500	< 1.72	3.83	U	"	"	"	X
75-15-0	Carbon disulfide	< 0.186	0.500	< 0.58	1.56	U	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 0.191	0.500	< 0.76	1.98	U	"	"	"	X
75-34-3	1,1-Dichloroethane	< 0.191	0.500	< 0.77	2.02	U	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 0.192	0.500	< 0.69	1.80	U	"	"	"	X
67-63-0	Isopropyl alcohol	2.01	0.500	4.93	1.23		"	"	"	X
78-93-3	2-Butanone (MEK)	1.10	0.500	3.24	1.47		"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 0.135	0.500	< 0.54	1.98	U	"	"	"	X
110-54-3	Hexane	0.740	0.500	2.61	1.76		"	"	"	X
141-78-6	Ethyl acetate	< 0.194	0.500	< 0.70	1.80	U	"	"	"	
67-66-3	Chloroform	< 0.151	0.500	< 0.73	2.43	U	"	"	"	X
109-99-9	Tetrahydrofuran	< 0.225	0.500	< 0.66	1.47	U	"	"	"	
107-06-2	1,2-Dichloroethane	< 0.142	0.500	< 0.57	2.02	U	"	"	"	X
71-55-6	1,1,1-Trichloroethane	< 0.137	0.500	< 0.75	2.73	U	"	"	"	X
71-43-2	Benzene	0.430	0.500	1.37	1.60	J	"	"	"	X
56-23-5	Carbon tetrachloride	< 0.145	0.500	< 0.91	3.15	U	"	"	"	X
110-82-7	Cyclohexane	< 0.214	0.500	< 0.74	1.72	U	"	"	"	X
78-87-5	1,2-Dichloropropane	< 0.172	0.500	< 0.79	2.31	U	"	"	"	X
75-27-4	Bromodichloromethane	< 0.180	0.500	< 1.21	3.35	U	"	"	"	X
79-01-6	Trichloroethene	< 0.281	0.500	< 1.51	2.69	U	"	"	"	X
123-91-1	1,4-Dioxane	< 0.391	0.500	< 1.41	1.80	U	"	"	"	
142-82-5	n-Heptane	< 0.138	0.500	< 0.57	2.05	U	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	0.430	0.500	1.76	2.05	J	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 0.190	0.500	< 0.86	2.27	U	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 0.159	0.500	< 0.72	2.27	U	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 0.234	0.500	< 1.28	2.73	U	"	"	"	X
108-88-3	Toluene	2.42	0.500	9.11	1.88		"	"	"	X
591-78-6	2-Hexanone (MBK)	< 0.224	0.500	< 0.92	2.05	U	"	"	"	
124-48-1	Dibromochloromethane	< 0.193	0.500	< 1.64	4.26	U	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	< 0.150	0.500	< 1.15	3.84	U	"	"	"	X
127-18-4	Tetrachloroethene	7.24	0.500	49.10	3.39		"	"	"	X
108-90-7	Chlorobenzene	< 0.282	0.500	< 1.30	2.30	U	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	< 0.307	0.500	< 2.11	3.44	U	"	"	"	
100-41-4	Ethylbenzene	< 0.191	0.500	< 0.83	2.17	U	"	"	"	X
179601-23-1	m,p-Xylene	< 0.489	0.500	< 2.12	2.17	U	"	"	"	X
75-25-2	Bromoform	< 0.316	0.500	< 3.27	5.17	U	"	"	"	X
100-42-5	Styrene	< 0.187	0.500	< 0.80	2.13	U	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
OA-IAQ SA97199-04	[none]	Air	01-Jul-09 17:55	02-Jul-09

CAS No.	*Analyte(s)*	*Result ppbv*	**RDL*	*Result ug/m³*	**RDL*	*Flag*	*Method Ref.*	*Analyzed*	*Batch*	*Cert.*
Air Quality Analyses										
EPA TO-15			Prepared 08-Jul-09				Can pressure: +1			
95-47-6	o-Xylene	< 0.266	0.500	< 1.15	2.17	U	EPA TO-15	08-Jul-09	9070583	X
79-34-5	1,1,2,2-Tetrachloroethane	< 0.436	0.500	< 2.99	3.43	U	"	"	"	X
98-82-8	Isopropylbenzene	< 0.259	0.500	< 1.27	2.46	U	"	"	"	
108-67-8	1,3,5-Trimethylbenzene	< 0.285	0.500	< 1.40	2.46	U	"	"	"	X
622-96-8	4-Ethyltoluene	< 0.280	0.500	< 1.38	2.46	U	"	"	"	
95-63-6	1,2,4-Trimethylbenzene	< 0.261	0.500	< 1.28	2.46	U	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 0.276	0.500	< 1.66	3.01	U	"	"	"	X
100-44-7	Benzyl chloride	< 0.247	0.500	< 1.27	2.58	U	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 0.259	0.500	< 1.56	3.01	U	"	"	"	X
135-98-8	sec-Butylbenzene	< 0.264	0.500	< 1.45	2.74	U	"	"	"	
99-87-6	4-Isopropyltoluene	< 0.245	0.500	< 1.31	2.68	U	"	"	"	
95-50-1	1,2-Dichlorobenzene	< 0.227	0.500	< 1.36	3.01	U	"	"	"	X
104-51-8	n-Butylbenzene	< 0.213	0.500	< 1.17	2.74	U	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	< 0.160	0.500	< 1.19	3.71	U	"	"	"	X
87-68-3	Hexachlorobutadiene	< 0.248	0.500	< 2.64	5.33	U	"	"	"	X
Surrogate recoveries:										
460-00-4	*4-Bromofluorobenzene*	*99*	*70-130 %*				"	"	"	

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 9070583 - General Air Prep										
Blank (9070583-BLK1)				Prepared & Analyzed: 08-Jul-09						
Propene	BRL	0.500	ppbv							U
Dichlorodifluoromethane (Freon12)	BRL	0.500	ppbv							U
Chloromethane	BRL	0.500	ppbv							U
1,2-Dichlorotetrafluoroethane (Freon 114)	BRL	0.500	ppbv							U
Vinyl chloride	BRL	0.500	ppbv							U
1,3-Butadiene	BRL	0.500	ppbv							U
Bromomethane	BRL	0.500	ppbv							U
Chloroethane	BRL	0.500	ppbv							U
Acetone	BRL	0.500	ppbv							U
Trichlorofluoromethane (Freon 11)	BRL	0.500	ppbv							U
Ethanol	BRL	0.500	ppbv							U
Acrylonitrile	BRL	0.500	ppbv							U
1,1-Dichloroethene	BRL	0.500	ppbv							U
Methylene chloride	BRL	0.500	ppbv							U
1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL	0.500	ppbv							U
Carbon disulfide	BRL	0.500	ppbv							U
trans-1,2-Dichloroethene	BRL	0.500	ppbv							U
1,1-Dichloroethane	BRL	0.500	ppbv							U
Methyl tert-butyl ether	BRL	0.500	ppbv							U
Isopropyl alcohol	BRL	0.500	ppbv							U
2-Butanone (MEK)	BRL	0.500	ppbv							U
cis-1,2-Dichloroethene	BRL	0.500	ppbv							U
Hexane	BRL	0.500	ppbv							U
Ethyl acetate	BRL	0.500	ppbv							U
Chloroform	BRL	0.500	ppbv							U
Tetrahydrofuran	BRL	0.500	ppbv							U
1,2-Dichloroethane	BRL	0.500	ppbv							U
1,1,1-Trichloroethane	BRL	0.500	ppbv							U
Benzene	BRL	0.500	ppbv							U
Carbon tetrachloride	BRL	0.500	ppbv							U
Cyclohexane	BRL	0.500	ppbv							U
1,2-Dichloropropane	BRL	0.500	ppbv							U
Bromodichloromethane	BRL	0.500	ppbv							U
Trichloroethene	BRL	0.500	ppbv							U
1,4-Dioxane	BRL	0.500	ppbv							U
n-Heptane	BRL	0.500	ppbv							U
4-Methyl-2-pentanone (MIBK)	BRL	0.500	ppbv							U
cis-1,3-Dichloropropene	BRL	0.500	ppbv							U
trans-1,3-Dichloropropene	BRL	0.500	ppbv							U
1,1,2-Trichloroethane	BRL	0.500	ppbv							U
Toluene	BRL	0.500	ppbv							U
2-Hexanone (MBK)	BRL	0.500	ppbv							U
Dibromochloromethane	BRL	0.500	ppbv							U
1,2-Dibromoethane (EDB)	BRL	0.500	ppbv							U
Tetrachloroethene	BRL	0.500	ppbv							U
Chlorobenzene	BRL	0.500	ppbv							U
1,1,1,2-Tetrachloroethane	BRL	0.500	ppbv							U
Ethylbenzene	BRL	0.500	ppbv							U
m,p-Xylene	BRL	0.500	ppbv							U
Bromoform	BRL	0.500	ppbv							U
Styrene	BRL	0.500	ppbv							U
o-Xylene	BRL	0.500	ppbv							U
1,1,2,2-Tetrachloroethane	BRL	0.500	ppbv							U
Isopropylbenzene	BRL	0.500	ppbv							U

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 9070583 - General Air Prep										
Blank (9070583-BLK1)				Prepared & Analyzed: 08-Jul-09						
1,3,5-Trimethylbenzene	BRL	0.500	ppbv							U
4-Ethyltoluene	BRL	0.500	ppbv							U
1,2,4-Trimethylbenzene	BRL	0.500	ppbv							U
1,3-Dichlorobenzene	BRL	0.500	ppbv							U
Benzyl chloride	BRL	0.500	ppbv							U
1,4-Dichlorobenzene	BRL	0.500	ppbv							U
sec-Butylbenzene	BRL	0.500	ppbv							U
4-Isopropyltoluene	BRL	0.500	ppbv							U
1,2-Dichlorobenzene	BRL	0.500	ppbv							U
n-Butylbenzene	BRL	0.500	ppbv							U
1,2,4-Trichlorobenzene	BRL	0.500	ppbv							U
Hexachlorobutadiene	BRL	0.500	ppbv							U
Surrogate: 4-Bromofluorobenzene	*9.55*		ppbv	*10.0*		*96*	*70-130*			
LCS (9070583-BS1)				Prepared & Analyzed: 08-Jul-09						
Propene	9.20		ppbv	10.0		92	70-130			
Dichlorodifluoromethane (Freon12)	9.29		ppbv	10.0		93	70-130			
Chloromethane	8.55		ppbv	10.0		86	70-130			
1,2-Dichlorotetrafluoroethane (Freon 114)	8.89		ppbv	10.0		89	70-130			
Vinyl chloride	8.86		ppbv	10.0		89	70-130			
1,3-Butadiene	9.10		ppbv	10.0		91	70-130			
Bromomethane	8.96		ppbv	10.0		90	70-130			
Chloroethane	8.54		ppbv	10.0		85	70-130			
Acetone	9.35		ppbv	10.0		94	70-130			
Trichlorofluoromethane (Freon 11)	9.06		ppbv	10.0		91	70-130			
Ethanol	10.5		ppbv	10.0		105	56.7-135			
Acrylonitrile	9.10		ppbv	10.0		91	60-160			
1,1-Dichloroethene	8.77		ppbv	10.0		88	70-130			
Methylene chloride	8.62		ppbv	10.0		86	70-130			
1,1,2-Trichlorotrifluoroethane (Freon 113)	8.85		ppbv	10.0		88	70-130			
Carbon disulfide	8.74		ppbv	10.0		87	70-130			
trans-1,2-Dichloroethene	9.08		ppbv	10.0		91	70-130			
1,1-Dichloroethane	9.30		ppbv	10.0		93	70-130			
Methyl tert-butyl ether	9.61		ppbv	10.0		96	70-130			
Isopropyl alcohol	9.27		ppbv	10.0		93	70-130			
2-Butanone (MEK)	8.55		ppbv	10.0		86	70-130			
cis-1,2-Dichloroethene	8.82		ppbv	10.0		88	70-130			
Hexane	9.21		ppbv	10.0		92	70-130			
Ethyl acetate	9.73		ppbv	10.0		97	70-130			
Chloroform	8.59		ppbv	10.0		86	70-130			
Tetrahydrofuran	9.33		ppbv	10.0		93	70-130			
1,2-Dichloroethane	8.64		ppbv	10.0		86	70-130			
1,1,1-Trichloroethane	8.53		ppbv	10.0		85	70-130			
Benzene	8.78		ppbv	10.0		88	70-130			
Carbon tetrachloride	7.76		ppbv	10.0		78	70-130			
Cyclohexane	9.45		ppbv	10.0		94	70-130			
1,2-Dichloropropane	8.75		ppbv	10.0		88	70-130			
Bromodichloromethane	8.38		ppbv	10.0		84	70-130			
Trichloroethene	9.03		ppbv	10.0		90	70-130			
1,4-Dioxane	9.99		ppbv	10.0		100	60-160			
n-Heptane	9.42		ppbv	10.0		94	70-130			
4-Methyl-2-pentanone (MIBK)	8.68		ppbv	10.0		87	70-130			
cis-1,3-Dichloropropene	8.79		ppbv	10.0		88	70-130			
trans-1,3-Dichloropropene	8.61		ppbv	10.0		86	70-130			

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 9070583 - General Air Prep										
LCS (9070583-BS1)				Prepared & Analyzed: 08-Jul-09						
1,1,2-Trichloroethane	8.51		ppbv	10.0		85	70-130			
Toluene	8.89		ppbv	10.0		89	70-130			
2-Hexanone (MBK)	7.74		ppbv	10.0		77	70-130			
Dibromochloromethane	7.41		ppbv	10.0		74	70-130			
1,2-Dibromoethane (EDB)	8.58		ppbv	10.0		86	70-130			
Tetrachloroethene	8.55		ppbv	10.0		86	70-130			
Chlorobenzene	9.41		ppbv	10.0		94	70-130			
1,1,1,2-Tetrachloroethane	9.14		ppbv	10.0		91	60-160			
Ethylbenzene	9.91		ppbv	10.0		99	70-130			
m,p-Xylene	20.0		ppbv	20.0		100	70-130			
Bromoform	6.37		ppbv	10.0		64	70-130			QC2
Styrene	10.1		ppbv	10.0		101	70-130			
o-Xylene	10.4		ppbv	10.0		104	70-130			
1,1,2,2-Tetrachloroethane	9.78		ppbv	10.0		98	70-130			
Isopropylbenzene	10.2		ppbv	10.0		102	60-160			
1,3,5-Trimethylbenzene	10.1		ppbv	10.0		101	70-130			
4-Ethyltoluene	10.3		ppbv	10.0		103	70-130			
1,2,4-Trimethylbenzene	10.6		ppbv	10.0		106	70-130			
1,3-Dichlorobenzene	10.6		ppbv	10.0		106	70-130			
Benzyl chloride	9.34		ppbv	10.0		93	70-130			
1,4-Dichlorobenzene	10.6		ppbv	10.0		106	70-130			
sec-Butylbenzene	12.3		ppbv	10.0		123	60-160			
4-Isopropyltoluene	10.9		ppbv	10.0		109	60-160			
1,2-Dichlorobenzene	10.5		ppbv	10.0		105	70-130			
n-Butylbenzene	10.4		ppbv	10.0		104	60-160			
1,2,4-Trichlorobenzene	10.3		ppbv	10.0		103	70-130			
Hexachlorobutadiene	9.52		ppbv	10.0		95	70-130			
Surrogate: 4-Bromofluorobenzene	*9.99*		ppbv	*10.0*		*100*	*70-130*			

Notes and Definitions

U	Analyte included in the analysis, but not detected
QC2	Analyte out of acceptance range in QC spike but no reportable concentration present in sample.
J	Detected above the Method Detection Limit but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).
BRL	Below Reporting Limit - Analyte NOT DETECTED at or above the reporting limit
dry	Sample results reported on a dry weight basis
NR	Not Reported
RPD	Relative Percent Difference

A plus sign (+) in the Method Reference column indicates the method is not accredited by NELAC.

Laboratory Control Sample (LCS): A known matrix spiked with compound(s) representative of the target analytes, which is used to document laboratory performance.

Matrix Duplicate: An intra-laboratory split sample which is used to document the precision of a method in a given sample matrix.

Matrix Spike: An aliquot of a sample spiked with a known concentration of target analyte(s). The spiking occurs prior to sample preparation and analysis. A matrix spike is used to document the bias of a method in a given sample matrix.

Method Blank: An analyte-free matrix to which all reagents are added in the same volumes or proportions as used in sample processing. The method blank should be carried through the complete sample preparation and analytical procedure. The method blank is used to document contamination resulting from the analytical process.

Method Detection Limit (MDL): The minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.

Reportable Detection Limit (RDL): The lowest concentration that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operating conditions. For many analytes the RDL analyte concentration is selected as the lowest non-zero standard in the calibration curve. While the RDL is approximately 5 to 10 times the MDL, the RDL for each sample takes into account the sample volume/weight, extract/digestate volume, cleanup procedures and, if applicable, dry weight correction. Sample RDLs are highly matrix-dependent.

Surrogate: An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. These compounds are spiked into all blanks, standards, and samples prior to analysis. Percent recoveries are calculated for each surrogate.

Validated by:
Hanibal C. Tayeh, Ph.D.
June O'Connor

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

Chain of Custody Record/Field Test Data Sheets for Air Analyses

Page 1 of 1

SA7199 CK

Special Handling:

☑ Standard TAT - 7 to 10 business days

☐ Rush TAT - Date Needed: _____

- All TATs subject to laboratory approval.
Min. 24-hour notification needed for rushes.

Report To: Catherine Monien Chazen	**Invoice To:** Chazen		
		Project No.:	
		Site Name:	
		Location:	**State:**
Tel #:	**Attn:**	**Sampler (s):**	
Project Manager:	**P.O. No.:**	**RQN:**	

Can ID	Can Size (L)	Outgoing Canister Pressure ("Hg) (Lab)	Incoming Canister Pressure ("Hg) (Lab)	Flow Reg. ID	Flow Controller Readout (ml/min)	Lab Id:	Sample Id:	Sample Date(s)	Time Start (24 hr clock)	Time Stop (24 hr clock)	Canister Pressure in Field ("Hg) (Start)	Canister Pressure in Field ("Hg) (Stop)	Interior Temp. (F) (Start)	Interior Temp. (F) (Stop)	Analysis: EPA Method TO-15	Matrix: Indoor /Ambient Air	Matrix: Soil Gas	Check box if canister is returned unused
			LABORATORY USE ONLY															
0252	6	-30		2966	10.6	-01	OA-SS-003	7/1/09	0933	1755	-30	0	65	68	X		X	
1008				52	11.3	-02	OA-SS-001		0917	1740	<-30	0	65	68	X		X	
1395				71	10.4	-03	OA-SS-002		0924	1750	<-30	0	65	68	X		X	
1397				827	10.7	-04	OA-IAQ		0945	1755	<-30	-1	65	68	X	X		

Client Use		Ambient Temperature (Fahrenheit) Maximum	Ambient Temperature (Fahrenheit) Minimum	Ambient Pressure (inches of Hg) Maximum	Ambient Pressure (inches of Hg) Minimum
	Start				
	Stop				

Special Instructions/QC Requirements & Comments:

21.0°

Date of Request:	6/29/09	# Summa Canisters:	4
Requested by:	Eric Orlowski	# Flow Controllers:	4
Company:	The Chazen Companies	Flow Rate/Setting:	8hr
Location:	Poughkeepsie	Date Needed:	6/30/09

*I attest that that all media relinquished from Spectrum Analytical, Inc. have been received in good working condition and agree to the terms and conditions as listed on the back of this document.**

Signed: Mark Sutton Date: 6/30/09

Printed: Mark Sutton

* *Please contact SA's Air Department immediately at (800) 789-9115 if you experience any technical difficulties or suspect any QC issue(s) with air media.*

☐ E-mail results _____

EDD format

Relinquished by:	Received by:	Date:	Time:
	Mark Sutton	7.2.09	12 50
		7/2/09	1731

11 Almgren Drive • Agawam, MA 01001 • 1-800-789-9115 • 413-789-9018 • FAX 413-789-4076 • www.spectrum-analytical.com

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

Spill Incidents Database Search Details

Spill Record

Administrative Information

DEC Region: 3
Spill Number: 0905668

Spill Date/Time

Spill Date: 08/14/2009 **Spill Time:** 08:00:00 AM
Call Received Date: 08/14/2009 **Call Received Time:** 10:06:00 AM

Location

Spill Name: NEAR O'NEIL ST CENTER OF KINGSTON
Address: 25 FIELD COURT
City: KINGSTON **County:** Ulster

Spill Description

Material Spilled	Amount Spilled	Resource Affected
other	UNKNOWN	Soil

Cause: Unknown
Source: Commercial/Industrial
Waterbody:

Record Close

Date Spill Closed: 05/23/2014

"Date Spill Closed" means the date the spill case was closed by the case manager in the Department of Environmental Conservation (the Department). The spill case was closed because either; a) the records and data submitted indicate that the necessary cleanup and removal actions have been completed and no further remedial activities are necessary, or b) the case was closed for administrative reasons (e.g., multiple reports of a single spill consolidated into a single spill number). The Department however reserves the right to require additional remedial work in relation to the spill, if in the future it determines that further action is necessary.

If you have questions about this reported incident, please contact the Regional Office where the incident occurred.

Refine This Search

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING



ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

TestAmerica Job ID: 480-129283-1
Client Project/Site: 25 Field Court #356055

For:
New York State D.E.C.
625 Broadway 9th Floor
Albany, New York 12233-7258

Attn: Gerald Pratt

Joseph V. Giacomazza

Authorized for release by:
12/28/2017 2:20:48 PM
Joe Giacomazza, Project Management Assistant II
joe.giacomazza@testamericainc.com

Designee for

Judy Stone, Senior Project Manager
(484)685-0868
judy.stone@testamericainc.com

LINKS

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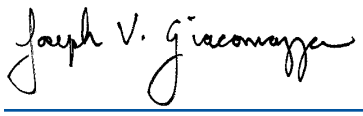
The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed within the body of this report. Release of the data contained in this sample data package and in the electronic data deliverable has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.



Joe Giacomazza
Project Management Assistant II
12/28/2017 2:20:48 PM

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Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Job ID: 480-129283-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-129283-1

Receipt
The samples were received on 12/21/2017 2:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 0.3º C.

GC/MS VOA
Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 480-393586 recovered outside acceptance criteria, low biased, for 2-Hexanone, Cyclohexane, and 4-Methyl-2-pentanone (MIBK). A reporting limit (RL) standard was analyzed, and the target analyte was detected. Since the associated samples were non-detect for this analyte, the data has been reported.

Method(s) 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: PZ01 12202017 (480-129283-1), PZ03 12202017 (480-129283-2), PZ06 12202017 (480-129283-3) and DUP 12202017 (480-129283-4). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Client: New York State D.E.C.
Project/Site: 25 Field Court #356055

TestAmerica Job ID: 480-129283-1

Client Sample ID: PZ01 12202017
Date Collected: 12/20/17 09:30
Date Received: 12/21/17 02:00

Lab Sample ID: 480-129283-1
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		8.0		ug/L			12/27/17 01:28	8
1,1,2,2-Tetrachloroethane	ND		8.0		ug/L			12/27/17 01:28	8
1,1,2-Trichloroethane	ND		8.0		ug/L			12/27/17 01:28	8
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		8.0		ug/L			12/27/17 01:28	8
1,1-Dichloroethane	ND		8.0		ug/L			12/27/17 01:28	8
1,1-Dichloroethene	ND		8.0		ug/L			12/27/17 01:28	8
1,2,4-Trichlorobenzene	ND		8.0		ug/L			12/27/17 01:28	8
1,2-Dibromo-3-Chloropropane	ND		8.0		ug/L			12/27/17 01:28	8
1,2-Dichlorobenzene	ND		8.0		ug/L			12/27/17 01:28	8
1,2-Dichloroethane	ND		8.0		ug/L			12/27/17 01:28	8
1,2-Dichloropropane	ND		8.0		ug/L			12/27/17 01:28	8
1,3-Dichlorobenzene	ND		8.0		ug/L			12/27/17 01:28	8
1,4-Dichlorobenzene	ND		8.0		ug/L			12/27/17 01:28	8
2-Butanone (MEK)	ND		80		ug/L			12/27/17 01:28	8
2-Hexanone	ND		40		ug/L			12/27/17 01:28	8
4-Methyl-2-pentanone (MIBK)	ND		40		ug/L			12/27/17 01:28	8
Acetone	ND		80		ug/L			12/27/17 01:28	8
Benzene	ND		8.0		ug/L			12/27/17 01:28	8
Bromodichloromethane	ND		8.0		ug/L			12/27/17 01:28	8
Bromoform	ND		8.0		ug/L			12/27/17 01:28	8
Bromomethane	ND		8.0		ug/L			12/27/17 01:28	8
Carbon disulfide	ND		8.0		ug/L			12/27/17 01:28	8
Carbon tetrachloride	ND		8.0		ug/L			12/27/17 01:28	8
Chlorobenzene	ND		8.0		ug/L			12/27/17 01:28	8
Dibromochloromethane	ND		8.0		ug/L			12/27/17 01:28	8
Chloroethane	ND		8.0		ug/L			12/27/17 01:28	8
Chloroform	ND		8.0		ug/L			12/27/17 01:28	8
Chloromethane	ND		8.0		ug/L			12/27/17 01:28	8
cis-1,2-Dichloroethene	ND		8.0		ug/L			12/27/17 01:28	8
cis-1,3-Dichloropropene	ND		8.0		ug/L			12/27/17 01:28	8
Cyclohexane	ND		8.0		ug/L			12/27/17 01:28	8
Dichlorodifluoromethane	ND		8.0		ug/L			12/27/17 01:28	8
Ethylbenzene	ND		8.0		ug/L			12/27/17 01:28	8
1,2-Dibromoethane	ND		8.0		ug/L			12/27/17 01:28	8
Isopropylbenzene	ND		8.0		ug/L			12/27/17 01:28	8
Methyl acetate	ND		20		ug/L			12/27/17 01:28	8
Methyl tert-butyl ether	ND		8.0		ug/L			12/27/17 01:28	8
Methylcyclohexane	ND		8.0		ug/L			12/27/17 01:28	8
Methylene Chloride	ND		8.0		ug/L			12/27/17 01:28	8
Styrene	ND		8.0		ug/L			12/27/17 01:28	8
Tetrachloroethene	**360**		8.0		ug/L			12/27/17 01:28	8
Toluene	ND		8.0		ug/L			12/27/17 01:28	8
trans-1,2-Dichloroethene	ND		8.0		ug/L			12/27/17 01:28	8
trans-1,3-Dichloropropene	ND		8.0		ug/L			12/27/17 01:28	8
Trichloroethene	ND		8.0		ug/L			12/27/17 01:28	8
Trichlorofluoromethane	ND		8.0		ug/L			12/27/17 01:28	8
Vinyl chloride	ND		8.0		ug/L			12/27/17 01:28	8
Xylenes, Total	ND		16		ug/L			12/27/17 01:28	8

Client: New York State D.E.C.
Project/Site: 25 Field Court #356055

TestAmerica Job ID: 480-129283-1

Client Sample ID: PZ01 12202017
Date Collected: 12/20/17 09:30
Date Received: 12/21/17 02:00

Lab Sample ID: 480-129283-1
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	99		80 - 120		12/27/17 01:28	8
1,2-Dichloroethane-d4 (Surr)	111		77 - 120		12/27/17 01:28	8
4-Bromofluorobenzene (Surr)	99		73 - 120		12/27/17 01:28	8
Dibromofluoromethane (Surr)	123		75 - 123		12/27/17 01:28	8

Client: New York State D.E.C.
Project/Site: 25 Field Court #356055

TestAmerica Job ID: 480-129283-1

Client Sample ID: PZ03 12202017
Date Collected: 12/20/17 11:30
Date Received: 12/21/17 02:00

Lab Sample ID: 480-129283-2
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		4.0		ug/L			12/27/17 01:56	4
1,1,2,2-Tetrachloroethane	ND		4.0		ug/L			12/27/17 01:56	4
1,1,2-Trichloroethane	ND		4.0		ug/L			12/27/17 01:56	4
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.0		ug/L			12/27/17 01:56	4
1,1-Dichloroethane	ND		4.0		ug/L			12/27/17 01:56	4
1,1-Dichloroethene	ND		4.0		ug/L			12/27/17 01:56	4
1,2,4-Trichlorobenzene	ND		4.0		ug/L			12/27/17 01:56	4
1,2-Dibromo-3-Chloropropane	ND		4.0		ug/L			12/27/17 01:56	4
1,2-Dichlorobenzene	ND		4.0		ug/L			12/27/17 01:56	4
1,2-Dichloroethane	ND		4.0		ug/L			12/27/17 01:56	4
1,2-Dichloropropane	ND		4.0		ug/L			12/27/17 01:56	4
1,3-Dichlorobenzene	ND		4.0		ug/L			12/27/17 01:56	4
1,4-Dichlorobenzene	ND		4.0		ug/L			12/27/17 01:56	4
2-Butanone (MEK)	ND		40		ug/L			12/27/17 01:56	4
2-Hexanone	ND		20		ug/L			12/27/17 01:56	4
4-Methyl-2-pentanone (MIBK)	ND		20		ug/L			12/27/17 01:56	4
Acetone	ND		40		ug/L			12/27/17 01:56	4
Benzene	ND		4.0		ug/L			12/27/17 01:56	4
Bromodichloromethane	ND		4.0		ug/L			12/27/17 01:56	4
Bromoform	ND		4.0		ug/L			12/27/17 01:56	4
Bromomethane	ND		4.0		ug/L			12/27/17 01:56	4
Carbon disulfide	ND		4.0		ug/L			12/27/17 01:56	4
Carbon tetrachloride	ND		4.0		ug/L			12/27/17 01:56	4
Chlorobenzene	ND		4.0		ug/L			12/27/17 01:56	4
Dibromochloromethane	ND		4.0		ug/L			12/27/17 01:56	4
Chloroethane	ND		4.0		ug/L			12/27/17 01:56	4
Chloroform	ND		4.0		ug/L			12/27/17 01:56	4
Chloromethane	ND		4.0		ug/L			12/27/17 01:56	4
cis-1,2-Dichloroethene	ND		4.0		ug/L			12/27/17 01:56	4
cis-1,3-Dichloropropene	ND		4.0		ug/L			12/27/17 01:56	4
Cyclohexane	ND		4.0		ug/L			12/27/17 01:56	4
Dichlorodifluoromethane	ND		4.0		ug/L			12/27/17 01:56	4
Ethylbenzene	ND		4.0		ug/L			12/27/17 01:56	4
1,2-Dibromoethane	ND		4.0		ug/L			12/27/17 01:56	4
Isopropylbenzene	ND		4.0		ug/L			12/27/17 01:56	4
Methyl acetate	ND		10		ug/L			12/27/17 01:56	4
Methyl tert-butyl ether	ND		4.0		ug/L			12/27/17 01:56	4
Methylcyclohexane	ND		4.0		ug/L			12/27/17 01:56	4
Methylene Chloride	ND		4.0		ug/L			12/27/17 01:56	4
Styrene	ND		4.0		ug/L			12/27/17 01:56	4
Tetrachloroethene	**180**		4.0		ug/L			12/27/17 01:56	4
Toluene	ND		4.0		ug/L			12/27/17 01:56	4
trans-1,2-Dichloroethene	ND		4.0		ug/L			12/27/17 01:56	4
trans-1,3-Dichloropropene	ND		4.0		ug/L			12/27/17 01:56	4
Trichloroethene	**8.0**		4.0		ug/L			12/27/17 01:56	4
Trichlorofluoromethane	ND		4.0		ug/L			12/27/17 01:56	4
Vinyl chloride	ND		4.0		ug/L			12/27/17 01:56	4
Xylenes, Total	ND		8.0		ug/L			12/27/17 01:56	4

Client: New York State D.E.C.
Project/Site: 25 Field Court #356055

TestAmerica Job ID: 480-129283-1

Client Sample ID: PZ03 12202017
Date Collected: 12/20/17 11:30
Date Received: 12/21/17 02:00

Lab Sample ID: 480-129283-2
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	100		80 - 120		12/27/17 01:56	4
1,2-Dichloroethane-d4 (Surr)	104		77 - 120		12/27/17 01:56	4
4-Bromofluorobenzene (Surr)	102		73 - 120		12/27/17 01:56	4
Dibromofluoromethane (Surr)	114		75 - 123		12/27/17 01:56	4

Client: New York State D.E.C.
Project/Site: 25 Field Court #356055

TestAmerica Job ID: 480-129283-1

Client Sample ID: PZ06 12202017
Date Collected: 12/20/17 12:30
Date Received: 12/21/17 02:00

Lab Sample ID: 480-129283-3
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		2.0		ug/L			12/27/17 02:23	2
1,1,2,2-Tetrachloroethane	ND		2.0		ug/L			12/27/17 02:23	2
1,1,2-Trichloroethane	ND		2.0		ug/L			12/27/17 02:23	2
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2.0		ug/L			12/27/17 02:23	2
1,1-Dichloroethane	ND		2.0		ug/L			12/27/17 02:23	2
1,1-Dichloroethene	ND		2.0		ug/L			12/27/17 02:23	2
1,2,4-Trichlorobenzene	ND		2.0		ug/L			12/27/17 02:23	2
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/L			12/27/17 02:23	2
1,2-Dichlorobenzene	ND		2.0		ug/L			12/27/17 02:23	2
1,2-Dichloroethane	ND		2.0		ug/L			12/27/17 02:23	2
1,2-Dichloropropane	ND		2.0		ug/L			12/27/17 02:23	2
1,3-Dichlorobenzene	ND		2.0		ug/L			12/27/17 02:23	2
1,4-Dichlorobenzene	ND		2.0		ug/L			12/27/17 02:23	2
2-Butanone (MEK)	ND		20		ug/L			12/27/17 02:23	2
2-Hexanone	ND		10		ug/L			12/27/17 02:23	2
4-Methyl-2-pentanone (MIBK)	ND		10		ug/L			12/27/17 02:23	2
Acetone	ND		20		ug/L			12/27/17 02:23	2
Benzene	ND		2.0		ug/L			12/27/17 02:23	2
Bromodichloromethane	ND		2.0		ug/L			12/27/17 02:23	2
Bromoform	ND		2.0		ug/L			12/27/17 02:23	2
Bromomethane	ND		2.0		ug/L			12/27/17 02:23	2
Carbon disulfide	ND		2.0		ug/L			12/27/17 02:23	2
Carbon tetrachloride	ND		2.0		ug/L			12/27/17 02:23	2
Chlorobenzene	ND		2.0		ug/L			12/27/17 02:23	2
Dibromochloromethane	ND		2.0		ug/L			12/27/17 02:23	2
Chloroethane	ND		2.0		ug/L			12/27/17 02:23	2
Chloroform	ND		2.0		ug/L			12/27/17 02:23	2
Chloromethane	ND		2.0		ug/L			12/27/17 02:23	2
cis-1,2-Dichloroethene	ND		2.0		ug/L			12/27/17 02:23	2
cis-1,3-Dichloropropene	ND		2.0		ug/L			12/27/17 02:23	2
Cyclohexane	ND		2.0		ug/L			12/27/17 02:23	2
Dichlorodifluoromethane	ND		2.0		ug/L			12/27/17 02:23	2
Ethylbenzene	ND		2.0		ug/L			12/27/17 02:23	2
1,2-Dibromoethane	ND		2.0		ug/L			12/27/17 02:23	2
Isopropylbenzene	ND		2.0		ug/L			12/27/17 02:23	2
Methyl acetate	ND		5.0		ug/L			12/27/17 02:23	2
Methyl tert-butyl ether	ND		2.0		ug/L			12/27/17 02:23	2
Methylcyclohexane	ND		2.0		ug/L			12/27/17 02:23	2
Methylene Chloride	ND		2.0		ug/L			12/27/17 02:23	2
Styrene	ND		2.0		ug/L			12/27/17 02:23	2
Tetrachloroethene	**91**		2.0		ug/L			12/27/17 02:23	2
Toluene	ND		2.0		ug/L			12/27/17 02:23	2
trans-1,2-Dichloroethene	ND		2.0		ug/L			12/27/17 02:23	2
trans-1,3-Dichloropropene	ND		2.0		ug/L			12/27/17 02:23	2
Trichloroethene	**12**		2.0		ug/L			12/27/17 02:23	2
Trichlorofluoromethane	ND		2.0		ug/L			12/27/17 02:23	2
Vinyl chloride	ND		2.0		ug/L			12/27/17 02:23	2
Xylenes, Total	ND		4.0		ug/L			12/27/17 02:23	2

Client: New York State D.E.C.
Project/Site: 25 Field Court #356055

TestAmerica Job ID: 480-129283-1

Client Sample ID: PZ06 12202017
Date Collected: 12/20/17 12:30
Date Received: 12/21/17 02:00

Lab Sample ID: 480-129283-3
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	101		80 - 120		12/27/17 02:23	2
1,2-Dichloroethane-d4 (Surr)	108		77 - 120		12/27/17 02:23	2
4-Bromofluorobenzene (Surr)	101		73 - 120		12/27/17 02:23	2
Dibromofluoromethane (Surr)	122		75 - 123		12/27/17 02:23	2

Client: New York State D.E.C.
Project/Site: 25 Field Court #356055

TestAmerica Job ID: 480-129283-1

Client Sample ID: DUP 12202017
Date Collected: 12/20/17 13:00
Date Received: 12/21/17 02:00

Lab Sample ID: 480-129283-4
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		2.0		ug/L			12/27/17 02:50	2
1,1,2,2-Tetrachloroethane	ND		2.0		ug/L			12/27/17 02:50	2
1,1,2-Trichloroethane	ND		2.0		ug/L			12/27/17 02:50	2
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2.0		ug/L			12/27/17 02:50	2
1,1-Dichloroethane	ND		2.0		ug/L			12/27/17 02:50	2
1,1-Dichloroethene	ND		2.0		ug/L			12/27/17 02:50	2
1,2,4-Trichlorobenzene	ND		2.0		ug/L			12/27/17 02:50	2
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/L			12/27/17 02:50	2
1,2-Dichlorobenzene	ND		2.0		ug/L			12/27/17 02:50	2
1,2-Dichloroethane	ND		2.0		ug/L			12/27/17 02:50	2
1,2-Dichloropropane	ND		2.0		ug/L			12/27/17 02:50	2
1,3-Dichlorobenzene	ND		2.0		ug/L			12/27/17 02:50	2
1,4-Dichlorobenzene	ND		2.0		ug/L			12/27/17 02:50	2
2-Butanone (MEK)	ND		20		ug/L			12/27/17 02:50	2
2-Hexanone	ND		10		ug/L			12/27/17 02:50	2
4-Methyl-2-pentanone (MIBK)	ND		10		ug/L			12/27/17 02:50	2
Acetone	ND		20		ug/L			12/27/17 02:50	2
Benzene	ND		2.0		ug/L			12/27/17 02:50	2
Bromodichloromethane	ND		2.0		ug/L			12/27/17 02:50	2
Bromoform	ND		2.0		ug/L			12/27/17 02:50	2
Bromomethane	ND		2.0		ug/L			12/27/17 02:50	2
Carbon disulfide	ND		2.0		ug/L			12/27/17 02:50	2
Carbon tetrachloride	ND		2.0		ug/L			12/27/17 02:50	2
Chlorobenzene	ND		2.0		ug/L			12/27/17 02:50	2
Dibromochloromethane	ND		2.0		ug/L			12/27/17 02:50	2
Chloroethane	ND		2.0		ug/L			12/27/17 02:50	2
Chloroform	ND		2.0		ug/L			12/27/17 02:50	2
Chloromethane	ND		2.0		ug/L			12/27/17 02:50	2
cis-1,2-Dichloroethene	ND		2.0		ug/L			12/27/17 02:50	2
cis-1,3-Dichloropropene	ND		2.0		ug/L			12/27/17 02:50	2
Cyclohexane	ND		2.0		ug/L			12/27/17 02:50	2
Dichlorodifluoromethane	ND		2.0		ug/L			12/27/17 02:50	2
Ethylbenzene	ND		2.0		ug/L			12/27/17 02:50	2
1,2-Dibromoethane	ND		2.0		ug/L			12/27/17 02:50	2
Isopropylbenzene	ND		2.0		ug/L			12/27/17 02:50	2
Methyl acetate	ND		5.0		ug/L			12/27/17 02:50	2
Methyl tert-butyl ether	ND		2.0		ug/L			12/27/17 02:50	2
Methylcyclohexane	ND		2.0		ug/L			12/27/17 02:50	2
Methylene Chloride	ND		2.0		ug/L			12/27/17 02:50	2
Styrene	ND		2.0		ug/L			12/27/17 02:50	2
Tetrachloroethene	**88**		2.0		ug/L			12/27/17 02:50	2
Toluene	ND		2.0		ug/L			12/27/17 02:50	2
trans-1,2-Dichloroethene	ND		2.0		ug/L			12/27/17 02:50	2
trans-1,3-Dichloropropene	ND		2.0		ug/L			12/27/17 02:50	2
Trichloroethene	**13**		2.0		ug/L			12/27/17 02:50	2
Trichlorofluoromethane	ND		2.0		ug/L			12/27/17 02:50	2
Vinyl chloride	ND		2.0		ug/L			12/27/17 02:50	2
Xylenes, Total	ND		4.0		ug/L			12/27/17 02:50	2

Client: New York State D.E.C.
Project/Site: 25 Field Court #356055

TestAmerica Job ID: 480-129283-1

Client Sample ID: DUP 12202017
Date Collected: 12/20/17 13:00
Date Received: 12/21/17 02:00

Lab Sample ID: 480-129283-4
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	99		80 - 120		12/27/17 02:50	2
1,2-Dichloroethane-d4 (Surr)	105		77 - 120		12/27/17 02:50	2
4-Bromofluorobenzene (Surr)	100		73 - 120		12/27/17 02:50	2
Dibromofluoromethane (Surr)	114		75 - 123		12/27/17 02:50	2

Lab Chronicle

Client: New York State D.E.C.
Project/Site: 25 Field Court #356055

TestAmerica Job ID: 480-129283-1

Client Sample ID: PZ01 12202017

Lab Sample ID: 480-129283-1

Date Collected: 12/20/17 09:30

Matrix: Water

Date Received: 12/21/17 02:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		8	393586	12/27/17 01:28	ARS	TAL BUF

Client Sample ID: PZ03 12202017

Lab Sample ID: 480-129283-2

Date Collected: 12/20/17 11:30

Matrix: Water

Date Received: 12/21/17 02:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		4	393586	12/27/17 01:56	ARS	TAL BUF

Client Sample ID: PZ06 12202017

Lab Sample ID: 480-129283-3

Date Collected: 12/20/17 12:30

Matrix: Water

Date Received: 12/21/17 02:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		2	393586	12/27/17 02:23	ARS	TAL BUF

Client Sample ID: DUP 12202017

Lab Sample ID: 480-129283-4

Date Collected: 12/20/17 13:00

Matrix: Water

Date Received: 12/21/17 02:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		2	393586	12/27/17 02:50	ARS	TAL BUF

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Accreditation/Certification Summary

Client: New York State D.E.C.
Project/Site: 25 Field Court #356055

TestAmerica Job ID: 480-129283-1

Laboratory: TestAmerica Buffalo

The accreditations/certifications listed below are applicable to this report.

Authority	Program	EPA Region	Identification Number	Expiration Date
New York	NELAP	2	10026	03-31-18

Method Summary

Client: New York State D.E.C.
Project/Site: 25 Field Court #356055

TestAmerica Job ID: 480-129283-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: New York State D.E.C.
Project/Site: 25 Field Court #356055

TestAmerica Job ID: 480-129283-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-129283-1	PZ01 12202017	Water	12/20/17 09:30	12/21/17 02:00
480-129283-2	PZ03 12202017	Water	12/20/17 11:30	12/21/17 02:00
480-129283-3	PZ06 12202017	Water	12/20/17 12:30	12/21/17 02:00
480-129283-4	DUP 12202017	Water	12/20/17 13:00	12/21/17 02:00

TestAmerica Buffalo

10 Hazelwood Drive
Amherst, NY 14228
Phone: 716.691.2600 Fax: 716.691.7991

480501-Albany

Chain of Custody Record 245620

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
TestAmerica Laboratories, Inc.
TAL-8210 (0713)

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☒ Other:

Client Contact	Project Manager: Gerry Pratt	Site Contact:	Date: 12 20 2017	COC No:
Company Name: NYSDEC	Tel/Fax:	Lab Contact:	Carrier:	1 of 1 COCs
Address: 625 Broadway	Analysis Turnaround Time			Sampler: Pratt / Long
City/State/Zip: Albany NY 12233	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
Phone: 518 402 9667	TAT if different from Below 10 DAY			Walk-in Client:
Fax:	☐ 2 weeks			Lab Sampling:
Project Name: 25 Field Court	☐ 1 week			Job / SDG No.:
Site:	☐ 2 days			
P O #	☐ 1 day			

480-129283 COC

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS/MSD (Y/N)	8260	Sample Specific Notes:
PZ01 12202017	12/20	930	G	GW	2			X	
PZ03 12202017	12/20	1130	G	GW	2			X	
PZ06 12202017	12/20	1230	G	GW	2			X	
DUP 12202017	12/20	1300	G	GW	2			X	

KL 12-20-17

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other 2

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☐ Disposal by Lab ☐ Archive for_____ Months

Special Instructions/QC Requirements & Comments:

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd:_____ Corr'd:_____ | Therm ID No.:_____

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Payson Long	DEC	12/20/17 1624	Karl Zacher	TA	12-20-17 1624
Karl Zacher	TA 12-20-17	1800	Will	TAB	12-21-17 0700
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

0.3 #1

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12/28/2017

Login Sample Receipt Checklist

Client: New York State D.E.C.

Job Number: 480-129283-1

Login Number: 129283

List Source: TestAmerica Buffalo

List Number: 1

Creator: Williams, Christopher S

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	DEC
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

Spill Incidents Database Search Details

Spill Record

Administrative Information

DEC Region: 3
Spill Number: 9702813

Spill Date/Time

Spill Date: 06/04/1997 **Spill Time:** 12:00:00 PM
Call Received Date: 06/05/1997 **Call Received Time:** 11:11:00 AM

Location

Spill Name: REAR OF RESIDENCE
Address: 18 O'NEIL ST
City: KINGSTON **County:** Ulster

Spill Description

Material Spilled	Amount Spilled	Resource Affected
unknown material	30 Gal.	Soil

Cause: Abandoned Drums
Source: Commercial/Industrial
Waterbody:

Record Close

Date Spill Closed: 06/27/1997

"Date Spill Closed" means the date the spill case was closed by the case manager in the Department of Environmental Conservation (the Department). The spill case was closed because either; a) the records and data submitted indicate that the necessary cleanup and removal actions have been completed and no further remedial activities are necessary, or b) the case was closed for administrative reasons (e.g., multiple reports of a single spill consolidated into a single spill number). The Department however reserves the right to require additional remedial work in relation to the spill, if in the future it determines that further action is necessary.

If you have questions about this reported incident, please contact the Regional Office where the incident occurred.

Refine This Search

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

Environmental Site Remediation Database Search Details

Site Record

Administrative Information

Site Name: 25 Field Court
Site Code: 356055
Program: State Superfund Program
Classification: P *
EPA ID Number:

Location

DEC Region: 3
Address: 25 Field Court
City: Kingston Zip: 12401
County: Ulster
Latitude: 41.931
Longitude: -74
Site Type:
Estimated Size: 0.85 Acres

Site Owner(s) and Operator(s)

Current Owner Name: none
Current Owner(s) Address: 46 Crane St
Kingston,NY, 12401

Site Description

Location: The site address is 25 Field Ct Kingston NY. It is located in a mixed commercial residential area in Ulster County. Tax Map Identifier: 56.25-3-35 Site Features: The site is a single story brick building made up of three additions on approx. 1.5 acre lot. Building footprint approx. half of lot. Elevations are flat. Investigation of property determined PCE groundwater contamination.Source unknown. Limited groundwater investigations show similar but significantly lower concentrations of PCE. A spill called in 6/4/97 assigned #9702813 was the result of leaking drums of "paint thinner". RP was woodworking / furniture maker warehouse. Current Zoning and Land Use: The site is zoned for commercial use. Commercial and residential lots surround site. Woodworking shop and dairy adjacent to site. Rail road spur adjacent to site. DEP laboratory (former electronic manufacturer) within 1/4 mile

of site upgradient. Past Use: Commercial Site Geology and Hydrology: Site is predominantly fill underlain by sand and clay layers on top of Silurian limestone and shale.

Site Health Assessment

As information for this site becomes available, it will be reviewed by the NYSDOH to determine if site contamination presents public health exposure concerns.

---

* **Class P Sites:** "DEC offers this information with the caution that it should not be used to form conclusions about site contamination beyond what is implied by the classification of this site, namely, that there is a potential for concern about site contamination. Information regarding a Class P site (potential Registry site) is by definition preliminary in nature and unverified because the DEC's investigation of the site is not yet complete. Due to the preliminary nature of this information, significant conclusions or decisions should not be based solely upon this summary."

For more Information: E-mail Us

Return To Results

Refine This Search

Contract No: EP-W-09-002
WA #: 029-SION-0200

Region 2 RAC2
Remedial Action Contract

Final Phase II Environmental Site Assessment

Kingston Rail Yard Site

Targeted Brownfields Assessment

Kingston, New York

July 19, 2017

CDM Smith

CDM Smith
14 Wall Street, Suite 1702
New York, New York 10005
tel: 212-785-9123
fax: 212-227-1692

July 19, 2017

Ms. Alison Devine
Remedial Project Manager
U.S. Environmental Protection Agency
290 Broadway, 20th Floor
New York, NY 10007-1866

PROJECT: EPA Region 2, RAC 2 Contract No.: EP-W-09-002
Work Assignments: 029-SION-0200

DOCUMENT NO.: 3323-029-03293

SUBJECT: Final Phase II Environmental Site Assessment
Kingston Rail Yard
Targeted Brownfields Assessment
Kingston, New York

Dear Ms. Devine:

CDM Federal Programs Corporation (CDM Smith) is pleased to submit this Final Phase II Environmental Site Assessment (ESA) for the Targeted Brownfields Assessment (TBA) at the Kingston Rail Yard subject property located in Kingston, New York.

If you have any comments concerning this submittal, please contact me at (212) 377-4527.

Very truly yours,

CDM FEDERAL PROGRAMS CORPORATION

Brendan MacDonald, P.E., LEED ®AP
Project Manager

PSO: _BCM__

Attachment
cc: F. Rosado, EPA Region 2 (letter only)
S. Lopez-Luna, EPA Region 2 (CD)
G. Bowitch, Bowitch & Coffey
A. LaValle, Ulster County
J. Oxford, CDM Smith (Electronic Copy)
J. Litwin, CDM (letter only)
K. Whalen, CDM Smith
RAC 2 Region 2 Document Control

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Acronyms

AAI	All Appropriate Inquiries
APWA	American Public Works Association
AWQS	ambient water quality standards
bgs	below ground surface
CDM Smith	CDM Federal Programs Corporation
CIH	Certified Industrial Hygienist
CLP	Contract Laboratory Program
CRQL	Contract required quantitation limit
Delta	Delta Geophysics Inc.
DER	Division of Environmental Remediation
DESA	Division of Environmental Science Assessmen
DMC	Deuterated Monitoring Compounds
DPT	Direct Push Technology
DRO	diesel range organics
EM	electromagnetic
EPA	United States Environmental Protection Agency
ESA	Environmental Site Assessment
GPR	ground penetrating radar
GPS	Global Positioning System
GRO	gasoline range organics
HASP	health and safety plan
ICP	Inductive coupled plasma
ID	identification
IDW	Investigative derived waste
ITRC	Interstate Technology and Regulatory Council
J	estimated value
mg/kg	milligram per kilogram
MS/MSD	matrix spike/matrix spike duplicate
NELAC	National Environmental Laboratory Accreditation Program
NPDWS	National Primary Drinking Water Standard
NYCRR	New York Codes Rules and Regulations
NYSDEC	New York State Department of Environmental Conservation
NYSDOH	New York State Department of Health
PAH	polyaromatic hydrocarbon
PAL	Project Action Limit
PCB	polychlorinated biphenyl
PCE	tetrachloroethene
PID	photoionization detector
ppm	parts per million
PVC	polyvinyl chloride
QAPP	Quality Assurance Project Plan
QC	quality control
R	rejected
RAC	Remedial Action Contract
RECs	recognized environmental conditions
RSL	Regional Screening Level

SCO	Soil Cleanup Objectives
SDG	sample delivery group
SVOC	semivolatile organic compound
TAL	Target Analyte List
TBA	Targeted Brownfields Assessment
TCE	trichloroethene
TCL	Target Compound List
TOGS	Technical & Operational Guidance Series
TPH	total petroleum hydrocarbon
µg/kg	microgram per kilogram
µg/L	microgram per Liter
U	undetected
UJ	undetected estimated
UST	underground storage tank
VOC	volatile organic compound
%D	percent difference
%RSD	percent relative standard deviation

Executive Summary

This report presents the results of CDM Federal Programs Corporation's (CDM Smith) Phase II Environmental Site Assessment (ESA) for the Kingston Rail Yard (the "Site" or the "subject property") located in the City of Kingston, New York. This Phase II ESA was conducted on behalf of the United States Environmental Protection Agency (EPA) in response to a request from Ulster County (the County) for a Targeted Brownfields Assessment (TBA).

No previous investigations have been conducted at the subject property. The results of this Phase II ESA will assist Ulster County in delineating the limits of any contamination and identifying appropriate options for redevelopment and future use as possibly a tourist rail trail and anchor point for a larger green park.

The Kingston Rail Yard was an active switchyard from 1900 to 1979. Historic Sanborn maps (provided by Ulster County) dating back to 1950 confirm the usage of the site as rail yard. Ulster County (the Owner of Record) purchased the one-acre property in 1979. Since this time the property and nearby portions of the rail yard have included a tourist railroad as well as a mechanical repair and equipment/parts storage. Approximately one-acre in size, the subject property consists of one elongated parcel (48.80-1-31-100) along approximately 600 feet of railroad tracks, bound by O'Neil St and Cornell St. There are currently no structures on the property. Prior to May 2016, the property consisted of former railroad switches, oil-containing drums, scrap piles, and rail cars containing various mechanical parts and equipment. The property is currently zoned as General Commercial and Light Manufacturing. In May of 2016, the remaining rail cars/metal debris were removed from the site in preparation of Phase II investigation work. Currently, the property remains vacant, fenced and secured.

A Phase II ESA was planned in coordination with Ulster County and EPA Region 2. The following activities were completed by CDM Smith as part of the Phase II ESA:

- A limited geophysical survey using ground-penetrating radar (GPR), electromagnetic (EM) conductivity, and utility detection equipment to identify subsurface anomalies including the locations of any buried utilities, buried pipes, underground storage tanks (USTs) and to clear boring locations, identified the following:
    - Electric conduits, telecommunication, and natural gas utilities on the subject property.
    - A metallic anomaly measuring approximately 31 feet by 14 feet adjacent to the property entrance along Cornell Street; GPR transects did not image this anomaly likely associated with conductive soils.
    - A second metallic anomaly approximately 6 feet wide running the entire length of the northeast portion of the property; GPR transects imaged two shallow features traversing parallel to each other which is consistent with a former rail spur

- A third metallic anomaly measuring 7 feet by 3 feet, approximately 15 feet north of the utility pole in the center of the property; GPR transects imaged disturbed soils, consistent with metal debris.
- A fourth metallic anomaly approximately 33 feet by 13 feet, adjacent and east of O'Neil Street and south of the rail spur; GPR transects did not image the anomaly, consistent with conductive soils.
- A fifth metallic anomaly approximately 100 feet by 25 feet south of building #3 and north of the rail spur; GPR transects did not image the anomaly, however, a portion of a former rail spur was observed protruding from the ground adjacent to building #3, suggesting this anomaly may be a continuation of the potential rail spur (the second anomaly).
- No clear indication of USTs.

- Eleven surface soil samples were collected from 0 to 6 inches below ground surface (bgs), screened via photoionization detector (PID), and analyzed for Target Compound List (TCL) semivolatile organic compounds (SVOCs), TCL polychlorinated biphenyls (PCBs), Target Analyte List (TAL) metals and Total Petroleum Hydrocarbons (TPH) Diesel Range Organics/Gas Range Organics (DRO/GRO).
- Soil borings were installed via direct push technology (DPT), to characterize environmental media and to screen for potential impacts. Lithologic logging and PID screening of subsurface soil samples was performed at 11 locations co-located with the surface soil sample locations. Sample depths were based on the observance of potential contamination as indicated by staining, odors, or elevated PID readings. If no positive detection was observed during PID field screening, the subsurface soil sample was collected from the depth interval exhibiting visual evidence of contamination (e.g., staining); in the absence of evidence of contamination, samples were collected from the water table interface. All the subsurface samples were analyzed for TCL volatile organic compounds (VOCs), TCL SVOCs, TCL PCBs, TAL metals and TPH DRO/GRO.
- Installation of 3 temporary monitoring wells to a depth of 25 feet bgs and subsequent collection of groundwater samples via low flow methodology and analysis for TCL VOCs, TCL SVOCs, TCL PCBs, TAL metals, and TPH (GRO and DRO).

CDM Smith Phase II ESA Conclusions

CDM Smith's conclusions, based on analytical results, historical property use and visual observations are summarized below.

- The geophysical survey confirmed no USTs were present on the subject property.
- In general, metals, polyaromatic hydrocarbons (PAHs) and TPH DRO are present in the surface soil (0 to 0.5 feet bgs) property-wide.
- One subsurface soil sample (1 to 2 ft bgs, relatively close to the surface) exhibited exceedances of tetrachloroethene (PCE), metals, PAHs, and TPH DRO. Other subsurface soil

samples collected from deeper intervals did not yield any significant exceedances except for two PCB exceedances, one from 3 to 4 feet bgs and one from 18 to 20 feet bgs.

- All three groundwater samples collected from across the property exhibited VOCs and metals at concentrations above New York State Department of Environmental Conservation (NYSDEC) Ambient Water Quality Standards and Guidance Values (AWQS).
- A summary of the analytical results associated with the various RECs follows:
  - REC 01 - Historic Property Use: Metals and SVOCs were detected at concentrations exceeding Unrestricted Use Soil Cleanup Objectives (SCOs) in the surface soil samples collected property-wide. PCE, metals, and PAHs were detected above the NYSDEC Unrestricted Use SCO in one subsurface soil sample collected in the western portion of the property at the former parts storage area. PCBs were detected at concentrations exceeding NYSDEC SCOs in the central portion of the subject property.
  - REC 02 – Surface Soil Staining: TPH DRO and PAHs related to fuel oil were observed in soil samples throughout the subject property. The highest concentrations of both contaminants were observed at the northern side of the property, where the main railroad track is located.
  - REC 03 – Off-site Contamination: Two chlorinated VOCs (PCE and trichloroethene [TCE]) were detected above AWQS in all three groundwater samples collected at depths of 25 feet bgs. Historical information provided by Ulster County and confirmed by NYSDEC indicated that the adjacent Spada Property located at 25 Field Court was the location of a former dry cleaner. Additionally, an investigation at the adjacent Field Court Site identified a TCE/PCE plume that extends approximately 180 feet bgs and is likely the source of the contamination observed in the groundwater at the subject property. The Field Court Site is approximately 100 feet southwest of the railroad and identified on **Figure 3-2**.
- The proposed future use of the subject property is a recreational pocket park/bike path and would fall under Commercial Use and passive recreational. Comparing the contaminant concentrations to the Commercial Use criteria yields the following: two metal exceedances (arsenic and copper) and two SVOC exceedances (benzo(a)pyrene and benzo(b)fluoranthene). Both SVOC and metal exceedances were from soils, collected within 0 to 1 foot bgs.

Recommendations

Based on the results of the Phase II Site Investigation activities, an evaluation of the subject property and the intended future use of the subject property, the following recommendations are made. If the future use should change, these recommendations will need to be reevaluated.

- In general, the contamination detected at the subject property appears to be manageable so long as direct contact is prevented. Remediation by overall site cleanup and surface soil removal (0 to 0.5 foot bgs) or isolation by capping of surface soils at concentrations above applicable standards is recommended. Based on the Phase II ESA sampling results, and

overall site cleanup, soil removal and backfilling with clean fill is recommended property-wide prior to installation of a pocket park/bike path. If isolation by capping of surface soils is employed, a deed restriction should be effected and a site-specific operation and maintenance plan developed (specifically including an inspection schedule with a log indicating findings and repair, especially after major storms) and implemented that would ensure the cap would remain in-place and that no intrusive work/soil removal would take place in the delineated area.

- Groundwater is not a source of drinking water at the subject property and future use is a recreational pocket park/bike path (i.e., no occupied structures). The low level of VOC contamination in groundwater is most likely associated with offsite sources and therefore no additional investigation is warranted at the subject property based on the expected future use. A deed restriction or environmental easement may be required by NYSDEC. Notwithstanding, the PCE and TCE contamination in groundwater could impact indoor air quality at locations downgradient of the subject property, and as such the source(s) and vertical and horizontal extent of the plume need to be identified to their full extent.

- When undertaking subject property development, it is recommended that the developer enlist a professional engineer or scientist to prepare a health and safety plan, construction contingency plans, and a soils management plan to safely and appropriately remove (and control) impacted materials. It is recommended that any work performed at the subject property be performed by an environmental professional (or if necessary a professional engineer) following approved plans and a site-specific health safety plan approved by a certified industrial hygienist (CIH).

- In the absence of excavation, engineering controls should be implemented. These controls would require (1) the installation of pavement or topsoil/vegetative cover or maintenance of a perimeter fence; and (2) that any construction involving the disturbance of soils, fill materials, or demolition of uncharacterized structures located within the subject property (including non-emergency excavation, which may be part of utility repair or maintenance, or construction) should not be performed without the involvement of a professional engineer, and must be conducted in accordance with local state and federal rules and regulations and provide adequate engineering controls and worker protection. In the absence of remediation, the values of adjacent and surrounding properties may be (and currently be) negatively impacted. The loss of property value may represent some risk to public welfare, yet this risk may not be considered significant risk.

Section 1
Introduction

This report presents the results of CDM Federal Programs Corporation's (CDM Smith) Phase II Environmental Site Assessment (ESA) for the Targeted Brownfield Assessment (TBA) at the Kingston Rail Yard (the "subject property"), located in the City of Kingston (the City), Ulster County, New York. The Phase II ESA was performed under the United States Environmental Protection Agency (EPA) Remedial Action Contract (RAC) 2 Contract Number EP-W-09-002, Work Assignment 029-SION-0200.

1.1 Purpose and Objectives

This Phase II ESA was conducted on behalf of the EPA, as part of a TBA performed for Ulster County, to investigate the potential for contamination associated with the historic operations of the Kingston Rail Yard. The objective of this Phase II ESA was to:

- To determine if USTs are present at the subject property and identify additional potential anomalies on the subject property
- Determine if soil and groundwater contamination exists above applicable criteria
- Collect hydrogeological information

The subject property is zoned mixed commercial and light industrial and proposed future use is a recreational pocket park/bike path. The remediation goal for the New York State Department of Environmental Conservation (NYSDEC) is Unrestricted Use to allow for flexibility in the development of the subject property. However, given the proposed future use, CDM Smith also compared to the commercial use SCOs given the future use.

1.2 Special Terms and Conditions

Special terms and conditions in relation to this project have been addressed throughout various sections of this assessment.

1.3 Limitations, Methodology and Exceptions of Investigation

The Phase II investigation conducted by CDM Smith in June of 2016 was executed in accordance with the following documents:

- "U.S. EPA Region 2 Brownfields Project Planning Guidance" (EPA 2000)
- "Generic Brownfields Quality Assurance Project Plan" (CDM Smith 2008)
- Regional Screening Levels (RSL) for Chemical Contaminants at Superfund Sites, May 2014 (EPA)

- NYSDEC Division Environmental Remediation (DER)-10 Technical Guidance for Site Investigations and Remediation, May 2010b (DER-10)
- 6 New York Codes Rules and Regulations (NYCRR) Part 375 Environmental Remediation Programs
- NYSDEC Technical & Operational Guidance Series (TOGS), Section 1.1.1 Ambient Water Quality Standards & Guidance Values and Groundwater Effluent
- 6 NYCRR Part 703 – Water Quality Standards
- "Final Site-Specific Quality Assurance Project Plan (QAPP), Kingston Rail Yard, Targeted Brownfields Assessment, Kingston, New York" (CDM Smith 2016a)
- "Site-Specific Health and Safety Plan (HASP), Kingston Rail Yard, Targeted Brownfields Assessment, Kingston, New York" (CDM Smith 2016b)
- "Final Work Plan, Targeted Brownfields Assessments for Selected Region 2 Brownfields Initiative Sites" (CDM Smith 2010)
- "Standard Guide for Environmental Site Assessments: Phase II Environmental Site Assessment Process, Designation: E 1903-11" (ASTM International 2000) (Reapproved 2002)
- "Quality Assurance Guidance for Conducting Brownfields Site Assessments" (EPA 1998)

Site assessment activities, including reporting of findings and conclusions, were conducted in accordance with ASTM International site assessment guidance to the extent practicable with respect to the information gathered.

The results for this TBA Phase II ESA are based on a review of available information obtained through a review of historic records and previous environmental investigations, reconnaissance, a geophysical survey, and field sampling analytical data. The Phase II ESA was completed to identify, locate, and characterize contamination present at the subject property. To meet this objective, sample locations were chosen based on the subject property history obtained by CDM Smith. The results of the Phase II ESA only characterize the nature of contamination at the subject property; the ESA has not fully characterized the extent of contamination.

This assessment has been prepared and conducted under the guidance of a qualified environmental professional as defined in NYSDEC's DER-10, 40 CFR Part 312, Standards and Practices for All Appropriate Inquiries (AAI) and ASTM E1903-11. The conclusions represent CDM Smith's professional opinions based on the aforementioned sources of information. A Phase II investigation is not a comprehensive site characterization or regulatory compliance audit, and should not be construed as such. CDM Smith cannot represent that the subject property contains no hazardous or toxic materials, products, or other latent conditions beyond those observed during the ESA. Further, the services herein shall not be construed, designed or intended to be relied upon as legal interpretation or advice. This report was prepared for the exclusive use by

EPA, and is not intended for use by any other parties. Use of this report by any other party is at their sole risk without liability to CDM Smith.

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Section 2

Subject Property Description

2.1 Subject Property Description

The subject property is comprised of Ulster County Tax ID 63.14-1-9.1, located between O'Neil St and Cornell St. Tax parcels are designated under the City of Kingston. Refer to **Figures 2-1** and **2-2** for the Site Location Map and Ulster County Industrial Development Agency map, respectively. The subject property is bounded to the south by Broadway, to the east by Cornell St, to the west by O'Neil St, and to the north by Tremper Ave. Based on a review of available information, including area topography, groundwater flow in the general property area is speculated to be northwesterly, towards the Esopus Creek. No site-specific surveyed well data or hydrologic information is available for the subject property.

2.2 Physical Setting, History and Land Use

The Kingston Rail Yard was an active switchyard from 1900 to 1979 when Ulster County (the current owner of record) purchased the property. Since this time the property and nearby portions of the rail yard have included tourist railroad as well as mechanical repair and equipment/parts storage. The subject property is approximately 1 acre in size and consists of an elongated parcel along approximately 600 feet of railroad tracks. There are no structures on the property. Prior to May 2016, the property consisted of former rail switches, oil containing drums, scrap piles and rail cars containing various mechanical parts and equipment. In May 2016, the remaining rail cars and metal debris were removed from the subject property in preparation of the Phase II investigation work. Reportedly the City of Kingston used the subject property to store sand and salt supplies for winter snow removal. Currently, the property remains vacant, fenced and secured.

Soil types on the subject property were generally consistent. The top 0 to 1 foot consisted of a brown to black sandy material with gravel. Brown sand was encountered below 1 foot bgs to a maximum depth of 25 feet bgs. Groundwater was encountered between 18 and 20 feet bgs. Well elevations were not surveyed as a part of the scope; groundwater flow direction is speculated to be northwest. The lithology for each boring is described in the boring logs presented as **Appendix A.**

2.3 Adjacent Property Land Use

The surrounding area is industrial in nature and has likely contributed to the environmental concerns. Adjacent properties include or have included mechanical shops, a telephone company and a battery manufacturer. A commercial property adjacent to the subject property has been reported to have impacted soil and groundwater due to solvent contamination.

2.4 Summary of Previous Assessments

No previous environmental investigations have been conducted on the subject property. Several walkthroughs, relating to rail condition and maintenance were completed after the subject

property was purchased in the 1970s. Ulster County currently possesses electronic copies of the walkthrough reports. Ulster County has conducted walkthroughs of the subject property recently, during which several stained areas were observed. Based on the stated current and prior uses, potential contaminants may include fuel/oil constituents, paint solvents, and metals.

Section 3
Phase II Activities

3.1 Scope

The objectives of this Phase II ESA are to determine if contamination exists at the subject property based on the Recognized Environmental Concerns (RECs) identified during the May 2016 site reconnaissance, and if concentrations exceed Project Action Limits (PALs).

CDM Smith performed the following activities in June 2016 as part of this Phase II ESA:

- Preparation of a Site-Specific QAPP
- Preparation of a Site-Specific HASP
- Field planning meeting conference call on June 10, 2016
- Geophysical survey on June 13, 2016 to determine the presence of underground anomalies to plan subsurface investigation activities
- Subsurface investigations from June 14 through June 16, 2016 consisting of the following field activities:
    - Surface and subsurface soil sample collection at 11 locations:
        - Field screening of eleven (11) surface soil samples (KR-SS-01-A through KR-SS-11-A) using a photoionization detector (PID) to characterize environmental media and to screen for potential impacts. Surface soil samples were collected from 0 to 0.5 feet below ground surface (bgs) and analyzed for TCL semivolatile organic compounds (SVOCs), TCL PCBs, TAL, and Total Petroleum Hydrocarbons (TPH) Diesel Range Organics/Gas Range Organics (DRO/GRO).
        - Lithologic logging and field screening of eleven (11) subsurface soil samples (KR-SB-01-A through KR-SB-11-A) using a photoionization detector (PID) to characterize environmental media and to screen for potential impacts. Subsurface soil samples were collected from 1 to 25 feet bgs and analyzed for TCL VOCs, TCL SVOCs, TCL polychlorinated biphenyls (PCBs), TAL metals, and TPH DRO/GRO.
    - Installation of 3 temporary monitoring wells (KR-GW-01-1 through KR-GW-03-1) to a depth of 25 feet bgs, and subsequent collection of groundwater samples via low flow methodology. The groundwater samples were analyzed for TCL VOCs, TCL SVOCs, TCL PCBs, TAL metals, and TPH GRO/DRO.

Refer to **Figure 3-1** for sample locations.

3.2 Subject Property Access and Reconnaissance

In advance of the Phase II activities Ulster County allowed CDM Smith access to the subject property to perform the investigation. During the May 2016 site reconnaissance, the subject property was observed to be vacant, secured, and consisted of former rail switches, oil containing drums, scrap piles and rail cars containing various mechanical repair and equipment/parts storage.

Following the reconnaissance, 3 recognized environmental conditions (RECs) were identified, as described below. **Figure 3-2** shows the location of RECs and interpretive historic uses of the subject property based on the site reconnaissance.

REC 1 – Historic Use: Activities associated with the subject property's historical uses as a rail line (including loading, unloading, and railcar maintenance) may have potentially used hazardous substances and petroleum products, including those containing PCBs, heavy metals, solvents, and other chemicals, for maintaining the railway and creosote to maintain wood rail ties. Discarded debris and waste were observed throughout the subject property corridor at the time of the reconnaissance. The potential impacts from contaminants typically associated with railroads and the debris represent RECs.

REC 2 – Surface Soil Staining: Stained soil on the subject property adjacent to the rail line, hydraulic oil or motor oil originating from the rail yard staging area.

REC 3 – Off-site Sources: The 25 Field Court Site (Spada Property) is located to the southwest of the subject property. A Phase I Environmental Site Assessment was completed for the property for use by 25 Field Court, LLC and Orthopedic Associates of Dutchess County. A chlorinated solvent plume has been identified at this property which could impact the subject properties environmental conditions.

3.3 Geophysical Survey

A limited geophysical survey was performed by Delta Geophysics Inc. (Delta) to identify any subsurface anomalies including underground storage tanks (USTs) and utilities. On June 13, 2016, a geophysical survey was completed for the subject property, including the following:

- A ground-penetrating radar (GPR) survey using a Geophysical Survey System Inc. SIR-3000 cart-mounted GPR unit with a 400-megahertz antenna System 2. The GPR unit was configured to transmit to a depth of approximately 10 feet bgs, but actual signal penetration was approximately 1-3 feet bgs due to either clay content or elevated moisture in the soil, or a combination of both. The limiting factor was signal attenuation near surface soils.

- A utility locator survey using a Radiodetection RD7000 precision utility detector and Fisher M-Scope TW-6 magnetic locator. The TW-6 and RD7000, used in conjunction, are designed to find subsurface pipes, cables and other metallic objects such as USTs. The TW-6 operates by generating a magnetic field at the transmitter which causes metallic objects in the subsurface to generate a secondary magnetic field. The induced secondary field is detected by the RD7000, which generates an audible tone when the instrument passes over an

underground metallic object causing a change in balance between the primary and secondary electromagnetic fields.

- A Geonics EM-61 Mark II time-domain metal detector was used to complete an electromagnetic (EM) conductivity survey. The EM method uses the principle of electromagnetic induction to measure the variability of electrical conductivity of subsurface materials. The EM-61 was used to detect both ferrous and non-ferrous metals buried up to 8 feet bgs.
- Coordinate mapping using a Trimble Global Positioning System (GPS) Pathfinder Pro XRS.

The geophysical survey was conducted by carrying the TW-6 and RD7000 instruments over accessible areas of the subject property. The cart-mounted GPR and survey was conducted by passing the unit over the accessible areas.

All detected utilities were marked with American Public Works Association (APWA) representative colors. A total of 11 locations were cleared for further sampling. There were no USTs detected within the subject property.

The results of the geophysical survey are summarized in Section 3.1; the geophysical survey report is presented as **Appendix A**.

3.4 Sampling Activities and Sample Analysis

Field notes and sampling information recorded during site activities including sampling equipment calibration forms are provided in **Appendix B**. Photo documentation is provided in **Appendix C**. Sample locations are shown on **Figure 3-1** and sample parameters are presented in **Table 3-1**. Analytical results are discussed in Section 4.

Samples were analyzed by a Contract Laboratory Program laboratory, KAP Technologies (KAP), for organic compounds TPH DRO/GRO. While KAP is not accredited by New York State Department of Health (NYSDOH) for TPH-DRO/GRO, KAP has National Environmental Laboratory Accreditation Program (NELAP) accreditation through Texas for TPH method 10005. Analyses were performed under the auspices of the EPA National Contract Laboratory program using a modification of the standard CLP method. EPA's Division of Environmental Science and Assessment (DESA) laboratory completed the remaining analyses, TCL SVOCs, TCL PCBs, and TAL metals. Surface soil samples, analytical parameters, and associated QC samples are presented in **Table 3-1**.

3.4.1 Surface Soil Samples

A total of 11 surface soil samples (KR-SS-01-A through KR-SS-11-A) were collected from across the subject property. All samples were field screened with a PID.

Surface soil samples were collected from 0 to 0.5 foot bgs or 0.5 to 1 foot bgs where the top 6 inches consisted of gravel using a disposable trowel. All samples were screened with a PID prior to sample collection. No PID readings were observed in the surface soil samples therefore, none of the samples were analyzed for TCL VOC.

3.4.2 Subsurface Soil Samples

Eleven subsurface samples were collected from 11 soil borings (KR-SB-01-A through KR-SB-11-A) advanced via DPT to determine lithology and the potential presence of contamination. All samples were field screened with a PID and observed for visual staining. One subsurface soil sample was collected per boring as described below. **Appendix D** presents Soil Boring and Temporary Well Construction Logs

Subsurface soil sample locations were dependent upon the observance of potentially contaminated soil as indicated by staining, odors, or elevated PID readings. If no positive detection was observed during PID field screening the subsurface soil sample was collected from the water table interface. Subsurface samples were collected at discrete 1 foot intervals. PID readings across the subject property were primarily non-detect for all samples except for KR-SB-01-A where total VOCs measured by the PID gradually increased with depth reaching the highest point of 64.5 parts per million (ppm) at the 14- to 15-foot interval where the sample was collected.

3.4.3 Temporary Monitoring Well Samples

Temporary monitoring wells were installed via DPT drilling. Samples (KR-GW-01-1 through KR-GW-03-1) were collected from three of the subsurface borings. Locations were determined based on location of RECs identified during the reconnaissance and historic subject property use. The temporary wells were comprised of one-inch diameter polyvinyl chloride (PVC) with five foot screens. Each temporary well was screened from approximately one foot above to four feet below the water table. The total depth of the temporary wells was 25 feet bgs. Groundwater samples were collected using ¼-inch inner diameter TeflonTM-lined polyethylene tubing and a peristaltic pump. Prior to sampling, each temporary well was purged for a minimum of 30 minutes. Water quality parameters (including pH, specific conductivity, turbidity, dissolved oxygen, temperature and redox potential) were recorded at five-minute intervals. Groundwater samples were collected once water quality parameters stabilized after three consecutive readings. Groundwater parameters are summarized in the groundwater sampling logs, **Appendix E**.

3.4.4 Investigative Derived Waste

All soil cuttings and purge water were collected and containerized in 55 gallon drums and stored on subject property in a secured area. Seacoast Environmental collected investigative derived waste (IDW) soil and groundwater samples on August 11, 2016 and the drums were later removed for off-site disposal on August 26, 2016. Waste manifests are provided in **Appendix F**.

3.5 Deviations from the QAPP

The QAPP identified 10 sampling locations with two additional locations to be determined based on the GPR survey and reconnaissance observations. A total of 11 locations were sampled for surface and subsurface soil collection. Due to a bottle shortage from a laboratory shipment error, one of the 12 locations were omitted from the scope of work. No other deviations were made during the Phase II ESA from the QAPP.

Section 4
Summary and Evaluation of Results

This section describes the selection of evaluation criteria and summarizes the analytical results of the Phase II ESA samples. The results of this Phase II ESA will assist Ulster County in delineating the limits of any existing contamination and identifying appropriate options for redevelopment and future use.

The Data Validation Reports for all data are included in **Appendix G**.

4.1 Selection of Evaluation Criteria

In accordance with the Site-Specific QAPP, analytical results are compared to both federal and state PALs presented in Worksheet #15 and listed below.

Soil Criteria

- EPA RSLs for Chemical Contaminants at Superfund Sites (May 2014) for residential soil, adjusted to a cancer risk of 1E-6 and hazard quotient of 1
- NYSDEC CP-51/Soil Cleanup Guidance
- NYSDEC Subpart 375-6: Table 375-6.8(a): Unrestricted and Commercial Use Soil Cleanup Objectives (SCOs)

No EPA or NYSDEC standards exist for TPH DRO or GRO. VOC and SVOC soil results have been compared to Soil Cleanup Levels for Gasoline Contaminated Soils and for Fuel Oil Contaminated Soils, which are listed in Tables 2 and 3 of NYSDEC's CP-51 Soil Cleanup Guidance issued October 21, 2010 (NYSDEC 2010a). The soil cleanup criteria presented in NYSDEC's CP-51 Tables 2 and 3 are comparable to NYSDEC's Unrestricted Use SCOs.

The remedial goal for sites within NYS is to return the subject property to "Unrestricted Use". However, it is important to note that the current zoning of the subject proper and proposed future use by Ulster County falls under the commercial use SCO. Soil organic and inorganic PALs and analytical results are presented in Tables 4-1a-e for surface soil and subsurface soil samples, respectively.

Groundwater Criteria

- EPA National Primary Drinking Water Standards, EPA 816-F-09-0004, May 2009
- NYSDEC Part 703.5 Ambient Water Quality Standards for Class GA Groundwater (Technical and Operational Guidance Series (TOGS) 1.1.1. Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations)

Although the PALs are based on federal and state groundwater guidance values (referenced as "evaluation criteria" in this report), the federal regulations are less stringent than the remediation goals established for the subject property; therefore, groundwater analytical results

are compared to NYSDEC evaluation criteria. EPA guidance criteria will be included where applicable. The groundwater organic and inorganic PALs and analytical results are presented in **Tables 4-2a-e**.

4.2 Geophysical Survey Results

The geophysical survey was used as a tool for clearing the 11 sample locations prior to intrusive work. Subsurface utilities were marked in accordance with APWA representative colors. The survey identified electrical conduits, telecommunications, and natural gas lines. No USTs were detected on the subject property. All findings were discussed with the onsite representative, and borings were located at least five feet from all identified utilities. Copies of the geophysical survey report and subject property plots are provided as **Appendix A**.

4.3 Data Usability

All data were validated by EPA Region 2 by the EPA CLP or Region 2 DESA laboratory guidelines and have been reviewed to assess whether data quality is sufficient to support the project objectives. In general, all laboratory analyses were method compliant. Some quality control (QC) parameters were outside criteria; associated sample results were qualified accordingly. Data qualified as estimated (J/UJ) are usable for project decisions; rejected data (R) are not considered usable for project purposes. Data validation reports are included in **Appendix G**. QC outliers noted within the EPA validation reports are described below.

The CLP laboratory submitted six (6) sample delivery groups (SDGs) under CLP Case number 46251: BD2B1, BD2B2, BD2D2, BD2D3, BD2D7, and BD2E1. The DESA laboratory submitted four (4) sample summary reports under the project number 1606029.

- Analytical Blanks - No issues were identified for laboratory method blanks.
- Field Rinsate Blanks – Acetone contamination was present in both field blanks above the contract required quantitation limit (CRQL) but below the NYDEC criteria of 50 µg/kg. The associated sample results are flagged “J”. Acetone results reported from project samples should be used with caution. Concentrations reported near or below those identified in the field blanks (36 and 43 µg/L) may be false positives associated with field or analytical contamination.
- Trip blanks – Acetone contamination was present in the one trip blank above the CRQL and at the same level as the field rinsate blanks. The associated aqueous sample results were non-detects and did not require qualification.
- Deuterated Monitoring Compounds (DMCs) – One SVOC was qualified as estimated “J” due to high surrogate results.
- Percent Relative Standard Deviation (% RSD) and Percent Difference (% D) - These were calculated from the initial calibrations and the continuing calibration checks to indicate the stability of specific compound response factors over increasing concentration, and the instrument's daily performance. A value outside these limits indicates potential detection and quantitation errors. The reporting limits for some VOCs and some SVOCs were raised

accordingly due to issues associated with the initial calibration curve in associated samples. These compounds (bromomethane, cis-1,3-dichloropropane and 2-hexanone (VOCs) and 2,4-dinitrophenol (SVOC) have no listed soil NYSDEC values.

- Internal Standards – No issues were identified for this criterion.
- Matrix Spike/Matrix Spike Duplicate (MS/MSD) – These QC data were generated to determine the long-term precision and accuracy of the analytical method in various matrices. No issues were identified for this criterion.
- Compound Identification - No issues were identified for this criterion.
- Field Duplicate – TPH DRO was outside the validation criteria in one (BD2D5 and BD2B7 [location KR-SB-07-A]) of the field duplicate sample pairs. The TPH DRO results were qualified as estimated.
- Inductively Coupled Plasma (ICP) Serial Dilution (Inorganics) - No issues were identified for this criterion.
- Analytical Duplicate Sample Analysis – No issues were identified for this criterion.

Holding Time – No issues were identified for this criterion.

The results estimated (1.3%) are usable for project decision. No sample results were rejected and all planned samples were collected. The data set is 100 percent complete based on planned versus actual samples collected and based on the percent judged to be valid versus total measurements. All results are usable for the project objectives and to evaluate the presence of contamination at the subject property. The TPH discrepancy of BD2D5 and BD2B7 was reviewed, the field logbook did not indicate a difference in physical appearances of the two samples.

Two field blanks were collected during the Phase II ESA. One field blank was collected by pouring deionized water over the sample-dedicated soil sampling equipment and into the appropriate sample bottles. One field blank was collected by pouring deionized water over the sample-dedicated groundwater sampling equipment and into sample bottles. Field blanks were submitted with the environmental samples and analyzed for the same parameters. The field blanks had detections for one VOC, acetone (a common laboratory contaminant) at concentrations less than the contract required quantitation limits (CRQLs). Acetone concentrations in associated samples were estimated. One trip blank was collected, shipped with the field samples, and analyzed for VOCs. Low concentration of acetone was found in the trip blank but not in associated samples.

4.4 Soil Sample Results

4.4.1 Surface Soil Analytical Results

Tables 4-1a through **4-1e** present the results of the organic and inorganic analytes in soil samples collected during this Phase II ESA. **Figures 4-1 and 4-2** show exceedances of the unrestricted use SCO for organic and inorganic compounds, respectively, in soil samples.

4.4.1.1 VOCs

VOCs were not analyzed in any surface soil samples.

4.4.1.2 TPH DRO and GRO

Since evaluation criteria have not been established by NYSDEC or EPA for TPH DRO and GRO, no exceedances of state or federal standards are recognized. TPH GRO was not detected in any of the surface soil sample collected. TPH DRO was detected in 10 of the 11 surface soil samples at low level concentrations ranging from 9,900 J (KR-SS-03-A) to 390,000 µg/kg (KR-SS-10-A).

4.4.1.3 SVOCs

Seven SVOCs were detected at concentrations exceeding NYSDEC Unrestricted Use in surface soil samples across the subject property. A summary of the concentration ranges and exceedances are presented below:

- *1,2-Benzophenanthracene* – Concentrations in KR-SS-01-A, KR-SS-02-A, KR-SS-03-A, KR-SS-07-A, KR-SS-08-A and KR-SS-09-A ranged from 1160 to 6170 micrograms per kilogram (µg /kg) and exceeded the Unrestricted Use SCOs of 1000 µg /kg. The highest concentration occurred at location KR-SS-03-A located at REC01 on the eastern portion of the subject property.

- *Benzo(a)anthracene* – Concentrations in KR-SS-01-A, KR-SS-02-A, KR-SS-03-A,, KR-SS-07-A, KR-SS-08-A and KR-SS-09-A ranged from 1060 to 4470 µg/kg and exceeded the Unrestricted Use SCOs of 1000 µg /kg. The highest concentration occurred at location KR-SS-02-A located at REC-01 on the eastern portion of the site.

- *Benzo(a)pyrene* – Concentrations in KR-SS-02-A, KR-SS-07-A, KR-SS-08-A and KR-SS-09-A ranged from 1120 to 3070 µg /kg and exceeded the Unrestricted Use SCOs of 1000 µg /kg. The highest concentration occurred at location KR-SS-02-A located at REC01 on the eastern portion of the site.

- *Benzo(b)fluoranthene* – Concentrations exceeded the Unrestricted Use SCO of 1000 µg/kg in KR-SS-01-A, KR-SS-02-A, KR-SS-03-A, KR-SS-07-A, KR-SS-08-A and KR-SS-09-A; results ranged from 1050 to 6640 µg/kg and. The highest concentration occurred at location KR-SS-02-A located at REC-01 on the eastern portion of the site.

- *Benzo(k)fluoranthene* – Concentrations in KR-SS-02-A, and KR-SS-07-A [1470 and 1590 µg/kg] exceeded the Unrestricted Use SCO of 800 µg/kg. The highest concentration occurred at location KR-SS-02-A located at REC-01 on the eastern portion of the site.

- *Dibenzo(a,h)anthracene*– Concentrations in KR-SS-02-A and KR-SS-07-A, 451 and 374 µg/kg respectively, exceeded the Unrestricted Use SCOs of 330 µg/kg.

- *Indeno(1,2,3-c,d)pyrene* – Concentrations in KR-SS-01-A, KR-SS-02-A, KR-SS-04-A, KR-SS-07-A, KR-SS-08-A and KR-SS-09-A ranged from 595 to 1640 µg/kg and exceeded the Unrestricted Use SCOs of 500 µg/kg. The highest concentration occurred at location KR-SS-02-A located at REC-01 on the eastern portion of the site.

TPH DRO was observed throughout the property and is a likely source of the PAHs observed. TPH DRO concentrations in the seven samples containing SVOC detections ranged from 9,900 µg/kg in KR-SS-03-A to 390,000 µg/kg in KR-SS-10-A indicating a correlation between the elevated SVOC concentrations and TPH DRO in these samples.

4.4.1.4 PCBs

No PCBs were detected at concentrations above the method detection limit in any of the surface samples collected.

4.4.1.5 Metals

Seven metals were detected at concentrations exceeding the NYSDEC Unrestricted Use SCOs in surface soil samples. A summary of the exceedances is presented below.

- *Arsenic* – Concentrations in KR-SS-01-A and KR-SS-03-A were detected at 120 and 30 milligrams per kilogram (mg/kg) respectively exceeding the Unrestricted Use SCOs of 13 mg/kg.
- *Cadmium* – Concentrations in KR-SS-01-A and KR-SS-03-A were detected at 5.4 and 7.3 mg/kg respectively exceeding the Unrestricted Use SCO of 2.5 mg/kg.
- *Chromium* – Concentrations in KR-SS-01-A and KR-SS-03-A were detected at 190 and 220 mg/kg respectively, exceeding the Unrestricted Use SCO of 30 mg/kg.
- *Copper* – Concentrations in KR-SS-01-A, KR-SS-02-A, KR-SS-03-A, KR-SS-04-A, KR-SS-06-A, KR-SS-07-A, KR-SS-08-A, KR-SS-09-A and KR-SS-11-A ranged from 53 to 460 mg/kg, which exceeded the Unrestricted Use SCO of 50 mg/kg. The highest concentration was found in KR-SS-01-A located in REC-01 on the eastern portion of the subject property directly adjacent to Cornell St.
- *Lead* – Concentrations in KR-SS-01-A, KR-SS-02-A, KR-SS-03-A, KR-SS-04-A, KR-SS-05-A, KR-SS-06-A, KR-SS-07-A, KR-SS-08-A, KR-SS-09-A and KR-SS-11-A ranged from 90 to 180 mg/kg, which exceeded the Unrestricted Use SCO of 63 mg/kg. The highest concentration was in KR-SS-08-A located at REC01 located on the western portion of the property.
- *Nickel* – Concentrations in KR-SS-01-A and KR-SS-03-A were detected at 160 and 180 mg/kg respectively exceeding the Unrestricted Use SCO of 30 mg/kg.
- *Zinc* – Concentrations in KR-SS-02-A, KR-SS-03-A, KR-SS-05-A and KR-SS-06-A ranged from 140 to 330 mg/kg, which exceeded the Unrestricted Use SCO of 109 mg/kg. The highest concentration was in KR-SS-03-A located centrally on the subject property.

4.4.2 Subsurface Soil Analytical Results

Tables 4-1a through 4-1e presents the results of the organic and inorganic analytes detected in subsurface soil samples collected during this Phase II ESA. **Figures 4-1 and 4-2** show exceedances of the unrestricted use SCO for organic and inorganic compounds, respectively, in soil samples.

4.4.2.1 VOCs

PCE was detected in KR-SB-11-A (1 to 2 feet bgs in REC-01), at a concentration of 1,600 µg/kg, above the Unrestricted Use SCO of 1,300 µg/kg. No other VOCs were detected above the NYSDEC Unrestricted Use SCO.

4.4.2.2 TPH DRO and GRO

TPH GRO was not detected in any of the subsurface soil samples collected. TPH DRO was detected in five subsurface soil samples and concentrations ranged from 9,500 µg/kg (SB-900-B, field duplicate of KR-SB-11-A, 1 to 2 feet bgs) to 53,000 J µg/kg (SB-900-A, field duplicate of KR-SB-7-A, 4 to 5 feet bgs); however, the results for KR-SB-07-A were non-detect. These were associated with REC 01 and located on the northwestern portion of the property.

4.4.2.3 SVOCs

Six SVOCs were detected at concentrations exceeding the Unrestricted Use in one of the soil boring locations (KR-SB-11-A) at a depth of 1 to 2 feet bgs. This soil boring was located at REC-01 and associated with the historic subject property use. A summary of the exceedance ranges is presented below:

PAH	Concentration in Subsurface Soil SB-11 (µg/kg)	NYSDEC Unrestricted Use SCO/CP-51 Soil Cleanup Level for Fuel Oil Contaminated Soil (µg/kg)
1,2-Benzphenanthracene (Chrysene)	1,950	1,000
Benzo(a)anthracene	1,920	1,000
Benzo(a)pyrene	1,510	1,000
Benzo(b)fluoranthene	2,720	1,000
Benzo(k)fluoranthene	947	800
Indeno(1,2,3-cd)pyrene	1,090	500

Since the TPH DRO level was also detected in the sample collected at KR-SB-11-A at 11,000 µg/kg, the SVOC exceedances may be related to presence of diesel fuel in this sample.

4.4.2.4 PCBs

Aroclor 1260 was detected at concentrations above Unrestricted Use SCOs. Concentrations in samples KR-SB-03-A (3 to 4 feet bgs) at a concentration of 270 J µg/kg and exceeded the Unrestricted Use SCO of 100 µg/kg. Aroclor 1248 was detected in the sample collected at KR-SB-06-A (18 to 20 feet bgs) at a concentration of 120 J greater than the Unrestricted Use SCO of 100 µg/kg. Both samples were associated with REC-01, historic subject property usages.

4.4.2.5 Metals

Two metals were detected at concentrations exceeding the Unrestricted Use SCOs in subsurface soil samples. A summary of the exceedances is presented below.

- *Copper* – The concentrations of KR-SB-11-A (64 mg/kg) collected from 1 to 2 feet bgs exceeded the Unrestricted Use SCO of 50 mg/kg.
- *Lead* – The concentrations of KR-SS-11-A (79 mg/kg) exceeded the Unrestricted Use SCO of 63 mg/kg.

4.5 Temporary Monitoring Well Sample Results

4.5.1 Temporary Monitoring Well Sample Analytical Results

Tables 4-2a-e present the results of the organic and inorganic analytes detected in the temporary monitoring well samples. **Figure 4-3** shows exceedances for organic and inorganic compounds detected in groundwater samples.

4.5.1.1 VOCs

Two VOCs, PCE and TCE were detected above NYSDEC AWQS. The following is a summary of exceedances.

- *PCE* – Concentrations in KR-GW-02-1 and KR-GW-03-1 were detected at 180 and 120 µg/L respectively, exceeding the AWQS of 5 µg/L. KR-GW-02-01 was centrally located and KR-GW-03-1 was in the western portion of REC-01.
- *TCE*– Concentrations in all three samples exceeded the AWQS of 5 µg/L ranging from 14 µg/L(KR-GW-01-1) to 24 µg/L(KR-GW-02-1). All of these samples are associated with REC-03 and the adjacent Spada property.

4.5.1.2 TPH DRO and GRO

TPH DRO and GRO were not detected in the groundwater samples.

4.5.1.3 SVOCs

No SVOCs were detected in the groundwater samples.

4.5.1.4 PCBs

No PCBs were detected in groundwater samples.

4.5.1.5 Metals

Sodium exceeded NYSDEC AWQS. Calcium and potassium were detected in all three samples and the field duplicate; however, there are no current standards for these metals. Magnesium was detected in all three samples and the field duplicate at a concentration ranging from 2,700 to 4,600 µg/L, well below the NYSDEC AWQS of 35,000 µg/L. Manganese was detected in all three samples ranging from 27 to 120 µg/L, well below the NYSDEC AWQS of 300 µg/L. A summary of the NYSDEC AWQS exceedance is presented below.

- *Sodium*– Concentrations in all three samples plus the field duplicate KR-GW-900-1 (KR-GW-02-1), ranged from 58,000 µg/L to 88,200 µg/L and exceeded the AWQS of 20,000 µg/L. The highest concentration was in KR-GW-01-1 located within REC01 in the east portion of the subject property and associated with historic property use of sand and salt stockpiling.

4.6 Evaluation of Results

4.6.1 VOCs

VOCs were not analyzed in any surface soil samples. VOC exceedance in subsurface soil samples was limited to KR-SB-11-A (1-2 feet bgs) at 1,600 µg/kg associated with REC-01. PCE exceeded the NYSDEC Unrestricted SCO of 1,300 µg/kg at this location. Slightly elevated PID measurements were also observed at this boring location. No VOCs were detected in the deeper soil sample collected at 21 to 22 feet bgs.

VOCs were also detected in all three groundwater samples and the duplicate sample and could be associated with the adjacent Spada property at REC-03 described above. PCE was detected in KR-GW-02-2 and KR-GW-03-1 and TCE was detected in all three samples exceeding both the AWQS and the EPA NPDWS.

4.6.2 SVOCs

SVOC exceedances of Unrestricted Use SCOs in surface soil samples were detected in samples associated with REC-01 (KR-SS-01-A, KR-SS-02-A, KR-SS-03-A, KR-SS-04-A, KR-SS-07-A and KR-SS-08-A). The highest concentrations were observed in KR-SS-02-A, located in the eastern portion of the property. KR-SS-02-A, KR-SS-03-A and KR-SS-04-A were located along the central to eastern portion of the property (REC-01). KR-SS-07-A and KR-SS-08-A were in the central to western portion of the property (REC-01 and REC-02).

SVOC exceedances in subsurface soil were limited to KR-SB-11-A (REC-01 and REC-02), located in the western portion of the subject property. SVOCs exceeded the Unrestricted Use SCOs; the surface soil sample at this location contained some of the same SVOCs at concentrations above EPA RSLs, but below NYSDEC SCOs. TPH DRO was also detected above the method detection limit KR-SB-11-A, again indicating a correlation between SVOCs and the presence of diesel fuel products.

No SVOCs were detected above the method detection limit in the three groundwater samples collected across the subject property.

4.6.3 PCBs

No PCBs were detected above the method detection limit in any of the surface soil samples collected across the subject property.

Aroclor 1260 was detected at a concentration above the Unrestricted Use SCO in subsurface soil sample KR-SB-03-P2-2 (3 to 4 feet bgs). This location was in the central portion of the property. Aroclor 1248 was detected at a concentration above the Unrestricted Use SCO in the subsurface soil sample KR-SB-06-A (18 to 20 feet bgs). There were no PCB or pesticide detections in groundwater samples.

4.6.4 Metals

Metals were detected in surface soil samples across the subject property. Concentrations of arsenic, cadmium, chromium, copper, nickel and zinc exceeded Unrestricted Use SCOs. The highest concentration of arsenic was found in KR-SS-01-A located at the east end of the subject

property. The highest arsenic, cadmium, chromium and copper concentrations were found in KR-SS-01-A and KR-SS-03-A (REC-01) located in the central and eastern portion of the subject property. Copper and lead concentrations were detected property-wide with the highest concentrations in KR-SS-01-A (REC-01) and KR-SS-08-A (REC-01), located on the eastern portion and the western portion of the subject property, respectively. Elevated zinc concentrations were found in four samples with the highest concentration detected in KR-SS-03-A (REC-01).

Copper and lead were detected above NYSDEC Unrestricted Use SCO in one subsurface soil sample (KR-SB-11-A) collected in the western portion of the subject property. In groundwater, selenium was detected above AWQS in all the samples located across the subject property; all other metal detections were below AWQS.

4.6.5 Evaluation of RECs

A summary of the analytical results associated with the various RECs follows:

- REC 01 - Historic Property Use: TPH DRO was detected in ten surface soil samples associated with this REC; the highest concentrations were observed on the western portion of the subject property. PCE was detected in one subsurface soil sample collected within REC-01. TCE exceeded AWQS in all three groundwater samples collected at the subject property. PCE was detected above the AWQS in two of the three samples collected in the central and western portion of the subject property. PCBs were detected above NYSDEC Unrestricted Use SCOs in two subsurface soil samples collected within REC-01. SVOC exceedances were found in seven surface soil samples and one subsurface soil sample collected at REC-01. Metals exceedances were identified in all but one of the surface samples and one of the subsurface samples associated with this REC. No other exceedances of NYSDEC criteria were associated with this REC.

- REC 02 – Surface Soil Staining: TPH DRO was detected in ten surface soil samples associated with this REC; the highest concentrations were observed in the western portion of the subject property. SVOC exceedances were found in seven surface soil samples and one subsurface soil sample collected at REC-02. Metals exceedances were identified in all but one of the surface samples associated with this REC.

- REC 03 – Adjacent Field Court Site: TCE exceeded AWQS in all three groundwater samples collected at the subject property. PCE was detected above the AWQS in two of the three samples collected in the central and western portion of the subject property.

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Section 5
Conclusions and Recommendations

5.1 Conclusions

- A subject property geophysical survey was conducted and identified multiple subsurface utilities and five metallic anomalies; the metallic anomalies are presumed to be associated with near surface metal debris and/or former rail spur or spurs. USTs and other subsurface anomalies were not identified in the areas surveyed.

- Metals, SVOCs and TPH DRO are present in shallow surface soil samples located across the subject property. Concentrations of arsenic, cadmium, chromium, copper, lead, nickel and zinc exceeded NYSDEC Unrestricted Use SCOs in several samples. However, when compared to Commercial Standards for recreational use, there were only two metal exceedances and two SVOC exceedances and all of these elevated were found within the top 1 foot of soil.

- Based on the data generated during the Phase II ESA, CDM Smith concludes that contamination detected at the subject property is primarily in the unsaturated zone and is most prevalent in surface soils across the subject property. SVOCs and VOCs contamination in subsurface soil is limited to one location on the western portion of the property. Overall, soil contaminant concentrations associated with each REC could be associated with past uses at the subject property.

- Chlorinated VOC (CVOC) contamination in groundwater was identified across the subject property. VOCs in groundwater could be the result of an offsite source on the adjacent Field Court Site property based on available historical information.

- PCBs were identified in two of the subsurface samples above the NYSDEC Restricted Use SCO.

- When compared to Commercial Use the proposed future use of the subject property is a pocket park/bike path and would fall under Commercial Use and passive recreational. When comparing the contaminant concentrations to the Commercial Use criteria there are only two metal exceedances (arsenic and copper) and two SVOC exceedances (benzo(a)pyrene and benzo(b)fluoranthene).

5.2 Recommendations

Based on the results of the Phase II Site Investigation activities, an evaluation of the subject property and the intended future use of the subject property, the following recommendations are made. If the future use should change, these recommendations will need to be reevaluated.

- In general, the contamination detected at the subject property appears to be manageable so long as direct contact is prevented. Remediation by overall site cleanup and surface soil removal (0 to 0.5 foot bgs) or isolation by capping of surface soils at concentrations above

applicable standards is recommended. Based on the Phase II ESA sampling results, and overall site cleanup, soil removal and backfilling with clean fill is recommended property-wide prior to installation of a pocket park/bike path. If isolation by capping of surface soils is employed, a deed restriction should be effected and a site-specific operation and maintenance soil plan developed (specifically including an inspection schedule with a log indicating findings and repair, especially after major storms) and implemented that would ensure the cap would remain in-place and that no intrusive work/soil removal would take place in the delineated area.

- Groundwater is not a source of drinking water at the subject property and future use is a recreational pocket park/bike path (i.e., no occupied structures). The low level of VOC contamination in groundwater is most likely associated with offsite sources and therefore no additional investigation is warranted at the subject property based on the expected future use. A deed restriction or environmental easement may be required by NYSDEC. Notwithstanding, the PCE and TCE contamination in groundwater could impact indoor air quality at locations downgradient of the subject property, and as such the source(s) and vertical and horizontal extent of the plume need to be identified to their full extent.

- When undertaking subject property development, it is recommended that the developer enlist a professional engineer or scientist to prepare a health and safety plan, construction contingency plans, and a soils management plan to safely and appropriately remove (and control) impacted materials. It is recommended that any work performed at the subject property be performed by an environmental professional (or if necessary a professional engineer) following approved plans and a site-specific health safety plan approved by a certified industrial hygienist (CIH).

- In the absence of excavation, engineering controls should be implemented. These controls would require (1) the installation of pavement or topsoil/vegetative cover or maintenance of a perimeter fence; and (2) that any construction involving the disturbance of soils, fill materials, or demolition of uncharacterized structures located within the subject property (including non-emergency excavation, which may be part of utility repair or maintenance, or construction) should not be performed without the involvement of a professional engineer, and must be conducted in accordance with local state and federal rules and regulations and provide adequate engineering controls and worker protection. In the absence of remediation, the values of adjacent and surrounding properties may be (and currently be) negatively impacted. The loss of property value may represent some risk to public welfare, yet this risk may not be considered significant risk.

Section 6
References

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Tables

Table 3-1
Sample Parameters
Kingston Rail Yard - Targeted Brownfields Assessment
Kingston, New York

Sample	Description	Sample ID	CLP Number	Collection Date-Time	Depth Interval (feet)	PID Response (ppm)	QA/QC	Analyses
Surface Soil Samples								
1	East of Site	KR-SS-01-A	BD2C3	6/14/16 10:40	0 - 0.5	Non-Detect	-	VOCs, SVOCs, PCBs, Metals and GRO/DRO
2	Southeast of Site	KR-SS-02A	BD2C4	6/14/16 11:00	0 - 0.5	Non-Detect	-	
3	Northeast of Site	KR-SS-03-A	BD2C5	6/14/16 11:15	0 - .05	Non-Detect	-	
4	Southeast of Site	KR-SS-04-A	BD2C6	6/14/16 12:00	0 - 0.5	Non-Detect	-	
5	Northeast of Site	KR-SS-05-A	BD2C7	6/14/16 12:15	0 - 0.5	Non-Detect	-	
6	Northeast of Site	KR-SS-06-A	BD2C8	6/14/16 12:20	0 - 0.5	Non-Detect	-	
7	Northwest of Site	KR-SS-07-A	BD2C9	6/14/16 13:40	0 - 0.5	Non-Detect	-	
8	Southwest of Site	KR-SS-08-A	BD2D0	6/14/16 13:45	0 - 0.5	Non-Detect	-	
9	West of Site	KR-SS-09	BD2D1	6/15/16 12:50	0 - 0.5	Non-Detect	-	
10	West of Site	KR-SS-10-A	BD2C0	6/14/16 15:20	0 - 0.5	Non-Detect		
11	Southwest of Site	KR-SS-11-A	BD2D3	6/14/16 14:30	0 - 0.5	Non-Detect	-	
Subsurface Soil Samples								
1	East of Site	KR-SB-01-A	BD2B1	6/14/16 13:45	14 - 15	64.5	-	VOCs, SVOCs, PCBs, Metals and GRO/DRO
2	Southeast of Site	KR-SB-02-A	BD2B2	6/15/16 11:00	2 - 3	0.2	-	
3	Northeast of Site	KR-SB-03-A	BD2B3	6/15/16 8:45	3 - 4	10.5	-	
4	Southeast of Site	KR-SB-04-A	BD2B4	6/15/16 12:00	6 - 7	Non-Detect	-	
5	Northeast of Site	KR-SB-05-A	BD2B5	6/15/16 12:15	5 - 6	Non-Detect		
6	Northeast of Site	KR-SB-06-A	BD2B6	6/14/16 14:40	18 - 20	0.1	-	
7	Northwest of Site	KR-SB-07-A	BD2B7	6/14/16 13:40	4 - 5	0.1	SB-900-A	
8	Southwest of Site	KR-SB-08-A	BD2B7	6/15/16 11:20	7 - 8	0.4	-	
9	West of Site	KR-SB-09-A	BD2B9	6/15/16 13:10	4 - 5	Non-Detect	-	

Table 3-1
Sample Parameters
Kingston Rail Yard - Targeted Brownfields Assessment
Kingston, New York

Sample	Description	Sample ID	CLP Number	Collection Date-Time	Depth Interval (feet)	PID Response (ppm)	QA/QC	Analyses
10	West of Site	KR-SB-10-A	BD2C0	6/15/16 15:40	21 - 22	Non-Detect		VOCs, SVOCs, PCBs, Metals and GRO/DRO
11	Southwest of Site	KR-SB-11-A	BD2C1	6/15/16 15:40	1 - 2	1.4	-	
Groundwater Samples							-	VOCs, SVOCs, PCBs, Metals and GRO/DRO
1	Collected at KR-SB-01	KR-GW-01-1	BD2D7	6/16/16 10:00	-	-	-	
2	Collected at KR-SB-02	KR-GW-02-2	BD2D8	6/16/16 12:00	-	-	GW-900-1	
3	Collected at KR-SB-03	KR-GW-03-3	BD2D9	6/16/16 14:00	-	-	-	

Table 4-1a
Soil Sample Detections - VOCs
Kingston Rail Yard
Kingston, New York

					Sample ID	KR-SB-01-A	KR-SB-06-A	KR-SB-10-A	KR-SB-02-A	KR-SB-03-A	KR-SB-04-A	KR-SB-05-A	KR-SB-07-A	SB-900-A	KR-SB-08-A	KR-SB-11-A	SB-900-B	KR-SB-09-A
					Location ID	KR-SB-01	KR-SB-06	KR-SB-10	KR-SB-02	KR-SB-03	KR-SB-04	KR-SB-05	KR-SB-07	KR-SB-07	KR-SB-08	KR-SB-11	KR-SB-11	KR-SB-09
					Sample Date	6/14/2016	6/14/2016	6/14/2016	6/15/2016	6/15/2016	6/15/2016	6/15/2016	6/15/2016	6/15/2016	6/15/2016	6/15/2016	6/15/2016	6/15/2016
					Matrix	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
					Sample Depth	14 - 15 feet	18 - 20 feet	21 - 22 feet	2 - 3 feet	3 - 4 feet	6 - 7 feet	5 - 6 feet	4 - 5 feet	4 - 5 feet	7 - 8 feet	1 - 2 feet	1 - 2 feet	4 - 5 feet
					Sample Type	N	N	N	N	N	N	N	N	FD	N	N	FD	N
					Parent Sample Code									KR-SB-07-A			KR-SB-11-A	
					CLP#	BD2B1	BD2B6	BD2C0	BD2B2	BD2B3	BD2B4	BD2B5	BD2B7	BD2D5	BD2B8	BD2C1	BD2D6	BD2B9
CAS No.	Chemical	EPA RSLs	NYSDEC Unrestricted	Unit	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
71-55-6	1,1,1-Trichloroethane	810000	680	µg/kg	4.9	U	4.9	U	5.1	U	4.3	U	4.5	U	5.3	U	5.9	U	4.7	U	4.7	U	5.1	U	4.7	U	6	U	4.4	U
79-34-5	1,1,2,2-Tetrachloroethane	600	NL	µg/kg	4.9	U	4.9	U	5.1	U	4.3	U	4.5	U	5.3	U	5.9	U	4.7	U	4.7	U	5.1	U	4.7	U	6	U	4.4	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethan	4000000	NL	µg/kg	4.9	U	4.9	U	5.1	U	4.3	U	4.5	U	5.3	U	5.9	U	4.7	U	4.7	U	5.1	U	4.7	U	6	U	4.4	U
79-00-5	1,1,2-Trichloroethane	150	NL	µg/kg	4.9	U	4.9	U	5.1	U	4.3	U	4.5	U	5.3	U	5.9	U	4.7	U	4.7	U	5.1	U	4.7	U	6	U	4.4	U
75-34-3	1,1-Dichloroethane	3600	270	µg/kg	4.9	U	4.9	U	5.1	U	4.3	U	4.5	U	5.3	U	5.9	U	4.7	U	4.7	U	5.1	U	4.7	U	6	U	4.4	U
75-35-4	1,1-Dichloroethene	23000	330	µg/kg	4.9	U	4.9	U	5.1	U	4.3	U	4.5	U	5.3	U	5.9	U	4.7	U	4.7	U	5.1	U	4.7	U	6	U	4.4	U
87-61-6	1,2,3-Trichlorobenzene	6300	NL	µg/kg	4.9	U	4.9	U	5.1	U	4.3	U	4.5	U	5.3	U	5.9	U	4.7	U	4.7	U	5.1	U	4.7	U	6	U	4.4	U
120-82-1	1,2,4-Trichlorobenzene	5800	NL	µg/kg	4.9	U	4.9	U	5.1	U	4.3	U	4.5	U	5.3	U	5.9	U	4.7	U	4.7	U	5.1	U	4.7	U	6	U	4.4	U
96-12-8	1,2-Dibromo-3-chloropropane	5.3	NL	µg/kg	4.9	U	4.9	U	5.1	U	4.3	U	4.5	U	5.3	U	5.9	U	4.7	U	4.7	U	5.1	U	4.7	U	6	U	4.4	U
106-93-4	1,2-Dibromomethane	36	NL	µg/kg	4.9	U	4.9	U	5.1	U	4.3	U	4.5	U	5.3	U	5.9	U	4.7	U	4.7	U	5.1	U	4.7	U	6	U	4.4	U
95-50-1	1,2-Dichlorobenzene	180000	1100	µg/kg	4.9	U	4.9	U	5.1	U	4.3	U	4.5	U	5.3	U	5.9	U	4.7	U	4.7	U	5.1	U	4.7	U	6	U	4.4	U
107-06-2	1,2-Dichloroethane	460	20	µg/kg	4.9	U	4.9	U	5.1	U	4.3	U	4.5	U	5.3	U	5.9	U	4.7	U	4.7	U	5.1	U	4.7	U	6	U	4.4	U
78-87-5	1,2-Dichloropropane	1000	NL	µg/kg	4.9	UJ	4.9	UJ	5.1	UJ	4.3	UJ	4.5	UJ	5.3	UJ	5.9	UJ	4.7	UJ	4.7	UJ	5.1	UJ	4.7	UJ	6	UJ	4.4	UJ
541-73-1	1,3-Dichlorobenzene	NL	2400	µg/kg	4.9	U	4.9	U	5.1	U	4.3	U	4.5	U	5.3	U	5.9	U	4.7	U	4.7	U	5.1	U	4.7	U	6	U	4.4	U
106-46-7	1,4-Dichlorobenzene	2600	1800	µg/kg	4.9	U	4.9	U	5.1	U	4.3	U	4.5	U	5.3	U	5.9	U	4.7	U	4.7	U	5.1	U	4.7	U	6	U	4.4	U
78-93-3	2-Butanone (MEK)	2700000	NL	µg/kg	9.8	U	9.9	U	10	U	8.6	U	9	U	11	U	12	U	9.3	U	9.3	U	10	U	9.3	U	12	U	8.9	U
591-78-6	2-Hexanone	20000	NL	µg/kg	95	U	96	U	99	U	84	U	88	U	100	U	110	U	90	U	90	U	98	U	91	U	120	U	86	U
108-10-1	4-Methyl-2-pentanone (MIBK)	3300000	NL	µg/kg	9.8	UJ	9.9	UJ	10	UJ	8.6	UJ	9	UJ	11	UJ	12	UJ	9.3	UJ	9.3	UJ	10	UJ	9.3	UJ	12	UJ	8.9	UJ
67-64-1	Acetone	6100000	50	µg/kg	9.8	UJ	9.9	UJ	13	J	12	J	16	J	11	UJ	36	J	9.3	UJ	11	J	11	J	22	J	33	J	18	J
71-43-2	Benzene	1200	60	µg/kg	4.9	U	4.9	U	5.1	U	4.3	U	4.5	U	5.3	U	5.9	U	4.7	U	4.7	U	5.1	U	4.7	U	6	U	4.4	U
74-97-5	Bromochloromethane	15000	NL	µg/kg	4.9	U	4.9	U	5.1	U	4.3	U	4.5	U	5.3	U	5.9	U	4.7	U	4.7	U	5.1	U	4.7	U	6	U	4.4	U
75-27-4	Bromodichloromethane	290	NL	µg/kg	4.9	U	4.9	U	5.1	U	4.3	U	4.5	U	5.3	U	5.9	U	4.7	U	4.7	U	5.1	U	4.7	U	6	U	4.4	U
75-25-2	Bromoform	19000	NL	µg/kg	4.9	U	4.9	U	5.1	U	4.3	U	4.5	U	5.3	U	5.9	U	4.7	U	4.7	U	5.1	U	4.7	U	6	U	4.4	U
74-83-9	Bromomethane	680	NL	µg/kg	130	UJ	130	UJ	130	UJ	110	UJ	120	UJ	140	UJ	150	UJ	120	UJ	120	UJ	130	UJ	120	UJ	150	UJ	110	UJ
75-15-0	Carbon Disulfide	77000	NL	µg/kg	4.9	U	4.9	U	5.1	U	4.3	U	4.5	U	5.3	U	5.9	U	4.7	U	4.7	U	5.1	U	4.7	U	6	U	4.4	U
56-23-5	Carbon Tetrachloride	650	760	µg/kg	4.9	U	4.9	U	5.1	U	4.3	U	4.5	U	5.3	U	5.9	U	4.7	U	4.7	U	5.1	U	4.7	U	6	U	4.4	U
108-90-7	Chlorobenzene	28000	1100	µg/kg	4.9	U	4.9	U	5.1	U	4.3	U	4.5	U	5.3	U	5.9	U	4.7	U	4.7	U	5.1	U	4.7	U	6	U	4.4	U
75-00-3	Chloroethane	1400000	NL	µg/kg	4.9	U	4.9	U	5.1	U	4.3	U	4.5	U	5.3	U	5.9	U	4.7	U	4.7	U	5.1	U	4.7	U	6	U	4.4	U
67-66-3	Chloroform	320	370	µg/kg	4.9	U	4.9	U	5.1	U	4.3	U	4.5	U	5.3	U	5.9	U	4.7	U	4.7	U	5.1	U	4.7	U	6	U	4.4	U
74-87-3	Chloromethane	11000	NL	µg/kg	4.9	U	4.9	U	5.1	U	4.3	U	6.3		5.3	U	7		4.7	U	4.7	U	5.1	U	4.7	U	6.3		4.4	U
156-59-2	cis-1,2-Dichloroethene	16000	250	µg/kg	4.9	U	4.9	U	5.1	U	4.3	U	4.5	U	5.3	U	5.9	U	4.7	U	4.7	U	5.1	U	4.7	U	6	U	4.4	U
10061-01-5	cis-1,3-Dichloropropene	NL	NL	µg/kg	9.8	U	9.9	U	10	U	8.6	U	9	U	11	U	12	U	9.3	U	9.3	U	10	U	9.3	U	12	U	8.9	U
110-82-7	Cyclohexane	650000	NL	µg/kg	4.9	U	4.9	U	5.1	U	4.3	U	4.5	U	5.3	U	5.9	U	4.7	U	4.7	U	5.1	U	4.7	U	6	U	4.4	U
124-48-1	Dibromochloromethane	8300	NL	µg/kg	4.9	U	4.9	U	5.1	U	4.3	U	4.5	U	5.3	U	5.9	U	4.7	U	4.7	U	5.1	U	4.7	U	6	U	4.4	U
75-71-8	Dichlorodifluoromethane	8700	NL	µg/kg	4.9	U	4.9	U	5.1	U	4.3	U	4.5	U	5.3	U	5.9	U	4.7	U	4.7	U	5.1	U	4.7	U	6	U	4.4	U
100-41-4	Ethylbenzene	5800	1000	µg/kg	4.9	U	4.9	U	5.1	U	4.3	U	4.5	U	5.3	U	5.9	U	4.7	U	4.7	U	5.1	U	4.7	U	6	U	4.4	U
98-82-8	Isopropylbenzene	190000	NL	µg/kg	4.9	U	4.9	U	5.1	U	4.3	U	4.5	U	5.3	U	5.9	U	4.7	U	4.7	U	5.1	U	4.7	U	6	U	4.4	U
179601-23-1	m,p-Xylene	58000	260	µg/kg	4.9	U	4.9	U	5.1	U	4.3	U	4.5	U	5.3	U	5.9	U	4.7	U	4.7	U	5.1	U	4.7	U	6	U	4.4	U
79-20-9	Methyl Acetate	7800000	NL	µg/kg	5.7	J	4.9	UJ	5.1	UJ	6.9	J	5.4	J	5.3	UJ	9.7	J	4.7	UJ	4.7	UJ	5.1	UJ	4.7	UJ	6.1	J	4.4	UJ
1634-04-4	Methyl Tert-Butyl Ether	47000	930	µg/kg	4.9	UL	4.9	UL	5.1	UL	4.3	UL	4.5	UL	5.3	UL	5.9	UL	4.7	UL	4.7	UL	5.1	UL	4.7	UL	6	UL	4.4	UL
108-87-2	Methylcylohexane	NL	NL	µg/kg	4.9	U	4.9	U	5.1	U	4.3	U	4.5	U	5.3	U	5.9	U	4.7	U	4.7	U	5.1	U	4.7	U	6	U	4.4	U
75-09-2	Methylene Chloride	35000	50	µg/kg	4.9	U	4.9	U	5.1	U	4.3	U	4.5	U	5.3	U	5.9	U	4.7	U	4.7	U	5.1	U	4.7	U	6	U	4.4	U
95-47-6	o-Xylene	65000	260	µg/kg	4.9	U	4.9	U	5.1	U	4.3	U	4.5	U	5.3	U	5.9	U	4.7	U	4.7	U	5.1	U	4.7	U	6	U	4.4	U
100-42-5	Styrene	600000	NL	µg/kg	4.9	U	4.9	U	5.1	U	4.3	U	4.5	UL	5.3	U	5.9	U	4.7	U	4.7	U	5.1	U	4.7	U	6	U	4.4	U
127-18-4	Tetrachloroethene	8100	1300	µg/kg	6.5		56		5.5		43		260		17		82		6.4		4.7	U	9.7		1600		830	K	11	
108-88-3	Toluene	490000	700	µg/kg	4.9	UJ	4.9	UJ	5.1	UJ	4.3	UJ	4.5	UJ	5.3	UJ	5.9	UJ	4.7	UJ	4.7	UJ	5.1	UJ	4.7	UJ	6	UJ	4.4	UJ
156-60-5	Trans-1,2-dichloroethene	160000	190	µg/kg	4.9	U	4.9	U	5.1	U	4.3	U	4.5	U	5.3	U	5.9	U	4.7	U	4.7	U	5.1	U	4.7	U	6	U	4.4	U
10061-02-6	Trans-1,3-dichloropropene	NL	NL	µg/kg	4.9	U	4.9	U	5.1	U	4.3	U	4.5	U	5.3	U	5.9	U	4.7	U	4.7	U	5.1	U	4.7	U	6	U	4.4	U
79-01-6	Trichloroethene	410	470	µg/kg	4.9	U	4.9	U	5.1	U	4.3	U	4.5	U	5.3	U	5.9	U	4.7	U	4.7	U	5.1	U	4.7	U	11		4.4	U
75-69-4	Trichlorofluoromethane	2300000	NL	µg/kg	4.9	U	4.9	U	5.1	U	4.3	U	4.5	U	5.3	U	5.9	U	4.7	U	4.7	U	5.1	U	4.7	U	6	U	4.4	U
75-01-4	Vinyl Chloride	59	20	µg/kg	4.9	U	4.9	U	5.1	U	4.3	U	4.5	U	5.3	U	5.9	U	4.7	U	4.7	U	5.1	U	4.7	U	6	U	4.4	U

> EPA RSLs
> NYSDEC Unrestricted

Acronyms

µg/kg - microgram by kilogram
CLP - Contract Laboratory Program
FD - field duplicates
N - normal
NL - not listed
Q - qualifier
SO - soil
U - undetected
UJ - esitmated undetected

Table 4-1b
Soil Sample Detections - SVOCs
Kingston Rail Yard
Kingston, New York

					Sample ID		KR-SS-01-A		KR-SS-02-A		KR-SS-03-A		KR-SS-04-A		KR-SS-05-A		KR-SS-06-A		KR-SS-07-A		KR-SS-08-A		KR-SS-09-A		KR-SS-10-A		KR-SS-11-A		KR-SB-01-A		KR-SB-02-A	
					Location ID		KR-SS-01		KR-SS-02		KR-SS-03		KR-SS-04		KR-SS-05		KR-SS-06		KR-SS-07		KR-SS-08		KR-SS-09		KR-SS-10		KR-SS-11		KR-SB-01		KR-SB-02	
					Sample Date		6/14/2016		6/14/2016		6/14/2016		6/14/2016		6/14/2016		6/14/2016		6/14/2016		6/14/2016		6/15/2016		6/14/2016		6/14/2016		6/14/2016		6/15/2016	
					Matrix		SO		SO		SO		SO		SO		SO		SO		SO		SO		SO		SO		SO	
					Sample Type		N		N		N		N		N		N		N		N		N		N		N		N		N	
					Parent Sample Code																										
					Sample Depth		0 - 0.5 feet		0 - 0.5 feet		0 - 0.5 feet		0 - 0.5 feet		0 - 0.5 feet		0 - 0.5 feet		0 - 0.5 feet		0 - 0.5 feet		0 - 0.5 feet		0 - 0.5 feet		0 - 0.5 feet		14 - 15 feet		2 - 3 feet	
					CLP#		BD2C3		BD2C4		BD2C5		BD2C6		BD2C7		BD2C8		BD2C9		BD2D0		BD2D1		BD2D2		BD2D3		BD2B1		BD2B2	
CAS No.	Chemical	EPA RSLs	NYSDEC Unrestricted	Unit	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
92-52-4	1,1'-Biphenyl	4700	NL	µg/kg	307		109	U	195	UL	109	U	106	U	106	UL	108	U	112	U	105	U	103	U	107	U	104	U	107	U
95-94-3	1,2,4,5-Tetrachlorobenzene	2300	NL	µg/kg	102	U	109	U	195	UL	109	U	106	U	106	UL	108	U	112	U	105	U	103	U	107	U	104	U	107	U
218-01-9	1,2-Benzphenanthracene	16000	1000	µg/kg	1160		4520		6170	L	739	L	172	L	106	UL	3590		1250		3750		103	U	107	U	104	U	140	
123-91-1	1,4-Dioxane	5300	100	µg/kg	68	U	73.2	U	130	UL	73.1	U	70.7	UL	71	U	72.5	U	74.9	U	70.1	U	68.8	U	71.6	U	69.6	U	71.6	U
58-90-2	2,3,4,6-Tetrachlorophenol	190000	NL	µg/kg	102	U	109	U	195	UL	109	U	106	UL	106	UL	108	U	112	U	105	U	103	U	107	U	104	U	107	U
95-95-4	2,4,5-Trichlorophenol	630000	NL	µg/kg	102	U	109	U	195	UL	109	UL	106	UL	106	UL	108	U	112	U	105	U	103	U	107	U	104	U	107	U
88-06-2	2,4,6-Trichlorophenol	6300	NL	µg/kg	102	U	109	U	195	UL	109	UL	106	UL	106	UL	108	U	112	U	105	U	103	U	107	U	104	U	107	U
120-83-2	2,4-Dichlorophenol	19000	NL	µg/kg	102	U	109	U	195	UL	109	UL	106	UL	106	UL	108	U	112	U	105	U	103	U	107	U	104	U	107	U
105-67-9	2,4-Dimethylphenol	130000	NL	µg/kg	102	U	109	U	195	UL	109	UL	106	UL	106	UL	108	U	112	U	105	U	103	U	107	U	104	U	107	U
51-28-5	2,4-Dinitrophenol	13000	NL	µg/kg	338	UJ	364	UJ	648	UJ	364	UJ	352	UJ	353	UJ	361	UJ	372	UJ	872	UJ	342	UJ	356	UJ	347	UJ	356	UJ
121-14-2	2,4-Dinitrotoluene	1700	NL	µg/kg	102	U	109	U	195	UL	109	U	106	U	106	UL	108	U	112	U	105	U	103	U	107	U	104	U	107	U
606-20-2	2,6-Dinitrotoluene	360	NL	µg/kg	102	U	109	U	195	UL	109	U	106	U	106	UL	108	U	112	U	105	U	103	U	107	U	104	U	107	U
91-58-7	2-Chloronahthalene	480000	NL	µg/kg	102	U	109	U	195	UL	109	U	106	U	106	UL	108	U	112	U	105	U	103	U	107	U	104	U	107	U
95-57-8	2-Chlorophenol	39000	NL	µg/kg	102	U	109	U	195	UL	109	UL	106	UL	106	UL	108	U	112	U	105	U	103	U	107	U	104	U	107	U
91-57-6	2-Methylnaphthalene	24000	NL	µg/kg	602		179		195	UL	155		192		106	UL	548		352		105	U	103	U	315		123		107	U
95-48-7	2-Methylphenol	320000	330	µg/kg	102	U	109	U	195	UL	109	UL	106	UL	106	UL	108	U	112	U	105	U	103	U	107	U	104	U	107	U
88-74-4	2-Nitroaniline	63000	NL	µg/kg	102	U	109	U	195	UL	109	U	106	U	106	UL	108	U	112	U	105	U	103	U	107	U	104	U	107	U
88-75-5	2-Nitrophenol	NL	NL	µg/kg	102	U	109	U	195	UL	109	UL	106	UL	106	UL	108	U	112	U	105	U	103	U	107	U	104	U	107	U
91-94-1	3,3'-Dichlorobenzidine	1200	NL	µg/kg	102	U	109	U	195	UL	109	UL	106	UL	106	UL	108	U	112	U	105	U	103	U	107	U	104	U	107	U
78-59-1	3,5,5-Trimethyl-2-cyclohexene-1-one	570000	NL	µg/kg	102	U	109	U	195	UL	109	UL	106	UL	106	UL	108	U	112	U	105	U	103	U	107	U	104	U	107	U
99-09-2	3-Nitroaniline	NL	NL	µg/kg	102	U	109	U	195	UL	109	U	106	U	106	UL	108	U	112	U	105	U	103	U	107	U	104	U	107	U
534-52-1	4,6-Dinitro-2-methylphenol	510	NL	µg/kg	102	U	109	U	195	UL	109	UL	106	UL	106	UL	108	U	112	UL	105	U	103	UL	107	U	104	U	107	U
101-55-3	4-Bromophenyl Phenyl Ether	NL	NL	µg/kg	102	U	109	U	195	UL	109	U	106	U	106	UL	108	U	112	U	105	U	103	U	107	U	104	U	107	U
59-50-7	4-Chloro-3-methylphenol	630000	NL	µg/kg	102	U	109	U	195	UL	109	UL	106	UL	106	UL	108	U	112	U	105	U	103	U	107	U	104	U	107	U
7005-72-3	4-Chlorophenyl Phenyl Ether	NL	NL	µg/kg	102	U	109	U	195	UL	109	U	106	U	106	UL	108	U	112	U	105	U	103	U	107	U	104	U	107	U
106-44-5	4-Methylphenol	630000	330	µg/kg	117		109	U	195	UL	109	UL	106	UL	106	UL	108	U	112	U	105	U	103	U	107	U	104	U	107	U
100-02-7	4-Nitrophenol	NL	NL	µg/kg	102	U	109	U	195	UL	109	UL	106	UL	106	UL	108	U	112	U	105	U	103	U	107	U	104	U	107	U
83-32-9	Acenaphthene	360000	20000	µg/kg	468		109	U	1190	L	109	U	106	U	106	UL	108	U	112	U	108		103	U	107	U	104	U	107	U
208-96-8	Acenaphthylene	NL	100000	µg/kg	158		850		195	UL	155		106	U	106	UL	1140		466		108		103	U	107	U	104	U	107	U
98-86-2	Acetophenone	780000	NL	µg/kg	102	U	109	U	195	UL	109	UL	106	UL	106	UL	108	U	112	U	105	U	103	U	107	U	104	U	107	U
120-12-7	Anthracene	1800000	100000	µg/kg	350		849		2240	L	154		106	U	106	UL	795		310		1980		103	U	107	U	104	U	107	U
1912-24-9	Atrazine	2400	NL	µg/kg	102	U	109	U	195	UL	109	U	106	U	106	UL	108	U	112	U	105	U	103	U	107	U	104	U	107	U
100-52-7	Benzaldehyde	780000	NL	µg/kg	102	U	109	U	195	UL	109	UL	106	UL	106	UL	154		162		105	U	103	U	107	U	104	U	107	U
56-55-3	Benzo(a)anthracene	160	1000	µg/kg	1060		4470		1520	L	661	L	126	L	106	UL	3380		1260		2950		103	U	107	U	104	U	122	
50-32-8	Benzo(a)pyrene	16	1000	µg/kg	684		3070		195	UL	613	L	106	UL	106	UL	2610		1120		1580		103	U	107	U	104	U	114	
205-99-2	Benzo(b)fluoranthene	160	1000	µg/kg	2190		6640		195	UL	1050	L	248	L	106	UL	6540		2050		3600		103	U	107	U	104	U	169	
191-24-2	Benzo(g,h,i)perylene	NL	100000	µg/kg	620		1170		195	UL	289	L	106	UL	106	UL	969		438		627		103	U	107	U	104	U	107	U
207-08-9	Benzo(k)fluoranthene	1600	800	µg/kg	599		1590		195	UL	355	L	106	UL	106	UL	1470		759		1220		103	U	107	U	104	U	107	U
85-68-7	Benzyl Butyl Phthalate	290000	NL	µg/kg	102	U	109	U	195	UL	109	UL	106	UL	106	UL	108	U	112	U	105	U	103	U	107	U	104	U	107	U
111-91-1	Bis(2-chlorooethoxy)methane	19000	NL	µg/kg	102	U	109	U	195	UL	109	UL	106	UL	106	UL	108	U	112	U	105	U	103	U	107	U	104	U	107	U
111-44-4	Bis(2-chloroethyl)ether	230	NL	µg/kg	102	U	109	U	195	UL	109	UL	106	UL	106	UL	108	U	112	U	105	U	103	U	107	U	104	U	107	U
117-81-7	Bis(2-ethylhexyl)phthalate	39000	NL	µg/kg	102	U	109	U	3020	J	109	UL	106	UL	106	UL	560		112	U	105	U	1600	K	656		104	U	107	U
108-60-1	Bis-chloroisopropyl ether	310000	NL	µg/kg	102	U	109	U	195	UL	109	UL	106	UL	106	UL	108	U	112	U	105	U	103	U	107	U	104	U	107	U

Table 4-1b
Soil Sample Detections - SVOCs
Kingston Rail Yard
Kingston, New York

					Sample ID		KR-SS-01-A		KR-SS-02-A		KR-SS-03-A		KR-SS-04-A		KR-SS-05-A		KR-SS-06-A		KR-SS-07-A		KR-SS-08-A		KR-SS-09-A		KR-SS-10-A		KR-SS-11-A		KR-SB-01-A		KR-SB-02-A	
					Location ID		KR-SS-01		KR-SS-02		KR-SS-03		KR-SS-04		KR-SS-05		KR-SS-06		KR-SS-07		KR-SS-08		KR-SS-09		KR-SS-10		KR-SS-11		KR-SB-01		KR-SB-02	
					Sample Date		6/14/2016		6/14/2016		6/14/2016		6/14/2016		6/14/2016		6/14/2016		6/14/2016		6/14/2016		6/15/2016		6/14/2016		6/14/2016		6/14/2016		6/15/2016	
					Matrix		SO		SO		SO		SO		SO		SO		SO		SO		SO		SO		SO		SO	
					Sample Type		N		N		N		N		N		N		N		N		N		N		N		N		N	
					Parent Sample Code																										
					Sample Depth		0 - 0.5 feet		0 - 0.5 feet		0 - 0.5 feet		0 - 0.5 feet		0 - 0.5 feet		0 - 0.5 feet		0 - 0.5 feet		0 - 0.5 feet		0 - 0.5 feet		0 - 0.5 feet		0 - 0.5 feet		14 - 15 feet		2 - 3 feet	
					CLP#		BD2C3		BD2C4		BD2C5		BD2C6		BD2C7		BD2C8		BD2C9		BD2D0		BD2D1		BD2D2		BD2D3		BD2B1		BD2B2	
CAS No.	Chemical	EPA RSLs	NYSDEC Unrestricted	Unit	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
105-60-2	Caprolactam	3100000	NL	µg/kg	102	U	109	U	195	UL	109	U	106	U	106	UL	106	UL	108	U	112	U	105	U	103	U	107	U	104	U	107	U
86-74-8	Carbazole	NL	NL	µg/kg	228		316		656	L	109	UL	106	UL	106	UL	106	UL	268		112	U	344		103	U	107	U	104	U	107	U
53-70-3	Dibenzo(a,h)anthracene	16	330	µg/kg	220		451		195	UL	109	UL	106	UL	106	UL	106	UL	374		144		216		103	U	107	U	104	U	107	U
132-64-9	Dibenzofuran	7300	NL	µg/kg	1250		154		720	L	109	U	106	U	106	UL	106	UL	290		126		105	U	103	U	107	U	104	U	107	U
84-66-2	Diethyl Phthalate	5100000	NL	µg/kg	102	U	109	U	195	UL	109	U	106	U	106	UL	106	UL	108	U	112	U	105	U	103	U	107	U	104	U	107	U
131-11-3	Dimethyl Phthalate	NL	NL	µg/kg	102	U	109	U	195	UL	109	U	106	U	106	UL	106	UL	108	U	112	U	116		103	U	107	U	238		107	U
84-74-2	Di-n-butylphthalate	630000	NL	µg/kg	102	U	109	U	195	UL	109	UL	106	UL	106	UL	106	UL	108	U	112	U	105	U	103	U	107	U	104	U	107	U
117-84-0	Di-n-octylphthalate	63000	NL	µg/kg	102	U	109	U	195	UL	109	UL	106	UL	106	UL	106	UL	108	U	112	U	105	U	103	U	107	U	104	U	107	U
206-44-0	Fluoranthene	240000	100000	µg/kg	2970		5260		23300	L	1260	L	266	L	106	UL	106	UL	4490		1580		8210		186		107	U	104	U	274	
86-73-7	Fluorene	240000	30000	µg/kg	367		137		1130	L	109	U	106	U	106	UL	106	UL	108	U	112	U	192		103	U	107	U	104	U	107	U
87-68-3	Hexachloro-1,3-Butadiene	1200	NL	µg/kg	102	U	109	U	195	UL	109	U	106	U	106	UL	106	UL	108	U	112	U	105	U	103	U	107	U	104	U	107	U
118-74-1	Hexachlorobenzene	210	NL	µg/kg	102	U	109	U	195	UL	109	U	106	U	106	UL	106	UL	108	U	112	U	105	U	103	U	107	U	104	U	107	U
77-47-4	Hexachlorocyclopentadiene	180	NL	µg/kg	102	U	109	U	195	UL	109	U	106	U	106	UL	106	UL	108	U	112	UL	105	U	103	UL	107	U	104	U	107	U
67-72-1	Hexachloroethane	1800	NL	µg/kg	102	U	109	U	195	UL	109	UL	106	UL	106	UL	106	UL	108	U	112	U	105	U	103	U	107	U	104	U	107	U
193-39-5	Indeno(1,2,3-CD)Pyrene	160	500	µg/kg	851		1640		195	UL	383	L	106	UL	106	UL	106	UL	1350		595		876		103	U	107	U	104	U	107	U
91-20-3	Naphthalene	NL	NL	µg/kg	856		212		195	UL	232		218	L	113	L	564		333		105	U	103	U	491		104	U	107	U		
98-95-3	Nitrobenzene	NL	NL	µg/kg	102	U	109	U	195	UL	109	UL	106	UL	106	UL	108	U	112	U	105	U	103	U	107	U	104	U	107	U		
621-64-7	n-Nitroso-di-n-propylamine	NL	NL	µg/kg	102	U	109	U	195	UL	109	UL	106	UL	106	UL	108	U	112	U	105	U	103	U	107	U	104	U	107	U		
86-30-6	n-Nitrosodiphenylamine	NL	NL	µg/kg	102	U	109	U	195	UL	109	U	106	U	106	UL	108	U	112	U	105	U	103	U	107	U	104	U	107	U		
106-47-8	P-Chloroaniline	NL	NL	µg/kg	102	U	109	U	195	UL	109	U	106	U	106	UL	108	U	112	U	105	U	103	U	107	U	104	U	107	U		
87-86-5	Pentachlorophenol	NL	NL	µg/kg	102	U	109	U	195	UL	109	UL	106	UL	106	UL	108	U	112	U	105	U	103	U	107	U	104	U	107	U		
85-01-8	Phenanthrene	NL	NL	µg/kg	1890		1510		7560	L	488		145		106	UL	1120		477		2960		103	U	107	U	141		161			
108-95-2	Phenol	NL	NL	µg/kg	110		109	U	195	UL	109	UL	106	UL	106	UL	108	U	112	U	105	U	103	U	107	U	104	U	107	U		
100-01-6	p-Nitroaniline	NL	NL	µg/kg	102	U	109	U	195	UL	109	U	106	U	106	UL	108	U	112	U	105	U	103	U	107	U	104	U	107	U		
129-00-0	Pyrene	NL	NL	µg/kg	1880		4430		12500	L	1070	L	248	L	106	UL	3870		1410		6050		146		107	U	104	U	241			

> EPA RSLs
> NYSDEC Unrestricted

Acronyms
µg/kg - microgram by kilogram
CLP - Contract Laboratory Program
FD - field duplicates
L - Off scale high
N - normal
NL - not listed
Q - qualifier
SO - soil
U - undetected
UJ - esitmated undetected

Table 4-1b
Soil Sample Detections - SVOCs
Kingston Rail Yard
Kingston, New York

				Sample ID	KR-SB-03-A		KR-SB-04-A		KR-SB-05-A		KR-SB-06-A		KR-SB-07-A		SB-900-A		KR-SB-08-A		KR-SB-09-A		KR-SB-10-A		KR-SB-11-A		SB-900-B	
				Location ID	KR-SB-03		KR-SB-04		KR-SB-05		KR-SB-06		KR-SB-07		KR-SB-07		KR-SB-08		KR-SB-09		KR-SB-10		KR-SB-11		KR-SB-11	
				Sample Date	6/15/2016		6/15/2016		6/15/2016		6/14/2016		6/15/2016		6/15/2016		6/15/2016		6/15/2016		6/14/2016		6/15/2016		6/15/2016	
				Matrix	SO		SO		SO		SO		SO		SO		SO		SO		SO		SO		SO	
				Sample Type	N		N		N		N		N		FD		N		N		N		N		FD	
				Parent Sample Code											KR-SB-07-A										KR-SB-11-A	
				Sample Depth	3 - 4 feet		6 - 7 feet		5 - 6 feet		18 - 20 feet		4 - 5 feet		4 - 5 feet		7 - 8 feet		4 - 5 feet		21 - 22 feet		1 - 2 feet		1 - 2 feet	
				CLP#	BD2B3		BD2B4		BD2B5		BD2B6		BD2B7		BD2D5		BD2B8		BD2B9		BD2C0		BD2C1		BD2D6	
CAS No.	Chemical	EPA RSLs	NYSDEC Unrestricted	Unit	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
92-52-4	1,1'-Biphenyl	4700	NL	µg/kg	107	U	106	U	103	U	107	U	104	U	103	U	104	U	106	U	108	U	108	U	108	U
95-94-3	1,2,4,5-Tetrachlorobenzene	2300	NL	µg/kg	107	U	106	U	103	U	107	U	104	U	103	U	104	U	106	U	108	U	108	U	108	U
218-01-9	1,2-Benzphenanthracene	16000	1000	µg/kg	107	U	106	U	112		107	U	104	U	103	U	110		106	U	220		1950		1900	
123-91-1	1,4-Dioxane	5300	100	µg/kg	71.5	U	70.8	U	69.3	U	71.8	U	69.6	U	69.2	U	69.8	U	71.3	U	72.1	U	72.5	U	72.5	U
58-90-2	2,3,4,6-Tetrachlorophenol	190000	NL	µg/kg	107	U	106	U	103	U	107	U	104	U	103	U	104	U	106	U	108	U	108	U	108	U
95-95-4	2,4,5-Trichlorophenol	630000	NL	µg/kg	107	U	106	U	103	U	107	U	104	U	103	U	104	U	106	U	108	U	108	U	108	U
88-06-2	2,4,6-Trichlorophenol	6300	NL	µg/kg	107	U	106	U	103	U	107	U	104	U	103	U	104	U	106	U	108	U	108	U	108	U
120-83-2	2,4-Dichlorophenol	19000	NL	µg/kg	107	U	106	U	103	U	107	U	104	U	103	U	104	U	106	U	108	U	108	U	108	U
105-67-9	2,4-Dimethylphenol	130000	NL	µg/kg	107	U	106	U	103	U	107	U	104	U	103	U	104	U	106	U	108	U	108	U	108	U
51-28-5	2,4-Dinitrophenol	13000	NL	µg/kg	356	UJ	352	UJ	345	UJ	357	UJ	346	UJ	344	UJ	347	UJ	887	UJ	359	UJ	901	UJ	902	UJ
121-14-2	2,4-Dinitrotoluene	1700	NL	µg/kg	107	U	106	U	103	U	107	U	104	U	103	U	104	U	106	U	108	U	108	U	108	U
606-20-2	2,6-Dinitrotoluene	360	NL	µg/kg	107	U	106	U	103	U	107	U	104	U	103	U	104	U	106	U	108	U	108	U	108	U
91-58-7	2-Chloronahthalene	480000	NL	µg/kg	107	U	106	U	103	U	107	U	104	U	103	U	104	U	106	U	108	U	108	U	108	U
95-57-8	2-Chlorophenol	39000	NL	µg/kg	107	U	106	U	103	U	107	U	104	U	103	U	104	U	106	U	108	U	108	U	108	U
91-57-6	2-Methylnaphthalene	24000	NL	µg/kg	107	U	106	U	103	U	107	U	104	U	103	U	104	U	106	U	108	U	414		280	
95-48-7	2-Methylphenol	320000	330	µg/kg	107	U	106	U	103	U	107	U	104	U	103	U	104	U	106	U	108	U	108	U	108	U
88-74-4	2-Nitroaniline	63000	NL	µg/kg	107	U	106	U	103	U	107	U	104	U	103	U	104	U	106	U	108	U	108	U	108	U
88-75-5	2-Nitrophenol	NL	NL	µg/kg	107	U	106	U	103	U	107	U	104	U	103	U	104	U	106	U	108	U	108	U	108	U
91-94-1	3,3'-Dichlorobenzidine	1200	NL	µg/kg	107	U	106	U	103	U	107	U	104	U	103	U	104	U	106	U	108	U	108	U	108	U
78-59-1	3,5,5-Trimethyl-2-cyclohexene-1-one	570000	NL	µg/kg	107	U	106	U	103	U	107	U	104	U	103	U	104	U	106	U	108	U	108	U	108	U
99-09-2	3-Nitroaniline	NL	NL	µg/kg	107	U	106	U	103	U	107	U	104	U	103	U	104	U	106	U	108	U	108	U	108	U
534-52-1	4,6-Dinitro-2-methylphenol	510	NL	µg/kg	107	U	106	U	103	U	107	UL	104	U	103	U	104	U	106	U	108	UL	108	U	108	U
101-55-3	4-Bromophenyl Phenyl Ether	NL	NL	µg/kg	107	U	106	U	103	U	107	U	104	U	103	U	104	U	106	U	108	U	108	U	108	U
59-50-7	4-Chloro-3-methylphenol	630000	NL	µg/kg	107	U	106	U	103	U	107	U	104	U	103	U	104	U	106	U	108	U	108	U	108	U
7005-72-3	4-Chlorophenyl Phenyl Ether	NL	NL	µg/kg	107	U	106	U	103	U	107	U	104	U	103	U	104	U	106	U	108	U	108	U	108	U
106-44-5	4-Methylphenol	630000	330	µg/kg	107	U	106	U	103	U	107	U	104	U	103	U	104	U	106	U	108	U	108	U	108	U
100-02-7	4-Nitrophenol	NL	NL	µg/kg	107	U	106	U	103	U	107	U	104	U	103	U	104	U	106	U	108	U	108	U	108	U
83-32-9	Acenaphthene	360000	20000	µg/kg	107	U	106	U	103	U	107	U	104	U	103	U	104	U	106	U	108	U	108	U	108	U
208-96-8	Acenaphthylene	NL	100000	µg/kg	107	U	106	U	103	U	107	U	104	U	103	U	104	U	106	U	108	U	400		395	
98-86-2	Acetophenone	780000	NL	µg/kg	107	U	106	U	103	U	107	U	104	U	103	U	104	U	106	U	108	U	108	U	108	U
120-12-7	Anthracene	1800000	100000	µg/kg	107	U	106	U	103	U	107	U	104	U	103	U	104	U	106	U	108	U	272		311	
1912-24-9	Atrazine	2400	NL	µg/kg	107	U	106	U	103	U	107	U	104	U	103	U	104	U	106	U	108	U	108	U	108	U
100-52-7	Benzaldehyde	780000	NL	µg/kg	107	U	106	U	103	U	107	U	104	U	103	U	104	U	106	U	108	U	108	U	108	U
56-55-3	Benzo(a)anthracene	160	1000	µg/kg	107	U	106	U	103	U	107	U	104	U	103	U	104	U	106	U	135		1920		2040	
50-32-8	Benzo(a)pyrene	16	1000	µg/kg	107	U	106	U	103	U	107	U	104	U	103	U	104	U	106	U	127		1510		1500	
205-99-2	Benzo(b)fluoranthene	160	1000	µg/kg	107	U	106	U	158		107	U	104	U	103	U	126		106	U	298		2720		2910	
191-24-2	Benzo(g,h,i)perylene	NL	100000	µg/kg	107	U	106	U	103	U	107	U	104	U	103	U	104	U	106	U	108	U	793		686	
207-08-9	Benzo(k)fluoranthene	1600	800	µg/kg	107	U	106	U	103	U	107	U	104	U	103	U	104	U	106	U	117		947		866	
85-68-7	Benzyl Butyl Phthalate	290000	NL	µg/kg	107	U	106	U	103	U	107	U	104	U	103	U	104	U	106	U	108	U	108	U	108	U
111-91-1	Bis(2-chlorooethoxy)methane	19000	NL	µg/kg	107	U	106	U	103	U	107	U	104	U	103	U	104	U	106	U	108	U	108	U	108	U
111-44-4	Bis(2-chloroethyl)ether	230	NL	µg/kg	107	U	106	U	103	U	107	U	104	U	103	U	104	U	106	U	108	U	108	U	108	U
117-81-7	Bis(2-ethylhexyl)phthalate	39000	NL	µg/kg	107	U	106	U	103	U	107	U	104	U	103	U	104	U	106	U	471	K	108	U	108	U
108-60-1	Bis-chloroisopropyl ether	310000	NL	µg/kg	107	U	106	U	103	U	107	U	104	U	103	U	104	U	106	U	108	U	108	U	108	U

Table 4-1b
Soil Sample Detections - SVOCs
Kingston Rail Yard
Kingston, New York

				Sample ID	KR-SB-03-A		KR-SB-04-A		KR-SB-05-A		KR-SB-06-A		KR-SB-07-A		SB-900-A		KR-SB-08-A		KR-SB-09-A		KR-SB-10-A		KR-SB-11-A		SB-900-B	
				Location ID	KR-SB-03		KR-SB-04		KR-SB-05		KR-SB-06		KR-SB-07		KR-SB-07		KR-SB-08		KR-SB-09		KR-SB-10		KR-SB-11		KR-SB-11	
				Sample Date	6/15/2016		6/15/2016		6/15/2016		6/14/2016		6/15/2016		6/15/2016		6/15/2016		6/15/2016		6/14/2016		6/15/2016		6/15/2016	
				Matrix	SO		SO		SO		SO		SO		SO		SO		SO		SO		SO		SO	
				Sample Type	N		N		N		N		N		FD		N		N		N		N		FD	
				Parent Sample Code											KR-SB-07-A										KR-SB-11-A	
				Sample Depth	3 - 4 feet		6 - 7 feet		5 - 6 feet		18 - 20 feet		4 - 5 feet		4 - 5 feet		7 - 8 feet		4 - 5 feet		21 - 22 feet		1 - 2 feet		1 - 2 feet	
				CLP#	BD2B3		BD2B4		BD2B5		BD2B6		BD2B7		BD2D5		BD2B8		BD2B9		BD2C0		BD2C1		BD2D6	
CAS No.	Chemical	EPA RSLs	NYSDEC Unrestricted	Unit	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
105-60-2	Caprolactam	3100000	NL	µg/kg	107	U	106	U	103	U	107	U	104	U	103	U	104	U	106	U	108	U	108	U	108	U
86-74-8	Carbazole	NL	NL	µg/kg	107	U	106	U	103	U	107	U	104	U	103	U	104	U	106	U	108	U	108	U	108	U
53-70-3	Dibenzo(a,h)anthracene	16	330	µg/kg	107	U	106	U	103	U	107	U	104	U	103	U	104	U	106	U	108	U	297		277	
132-64-9	Dibenzofuran	7300	NL	µg/kg	107	U	106	U	103	U	107	U	104	U	103	U	104	U	106	U	108	U	203		175	
84-66-2	Diethyl Phthalate	5100000	NL	µg/kg	107	U	106	U	103	U	107	U	104	U	103	U	104	U	106	U	108	U	108	U	108	U
131-11-3	Dimethyl Phthalate	NL	NL	µg/kg	107	U	106	U	118		194		128		192		176		194		215		215		142	
84-74-2	Di-n-butylphthalate	630000	NL	µg/kg	107	U	106	U	103	U	107	U	104	U	103	U	104	U	106	U	108	U	108	U	108	U
117-84-0	Di-n-octylphthalate	63000	NL	µg/kg	107	U	106	U	103	U	107	U	104	U	103	U	104	U	106	U	108	U	108	U	108	U
206-44-0	Fluoranthene	240000	100000	µg/kg	107	U	106	U	186		107	U	104	U	103	U	185		106	U	172		2520		2780	
86-73-7	Fluorene	240000	30000	µg/kg	107	U	106	U	103	U	107	U	104	U	103	U	104	U	106	U	108	U	108	U	108	U
87-68-3	Hexachloro-1,3-Butadiene	1200	NL	µg/kg	107	U	106	U	103	U	107	U	104	U	103	U	104	U	106	U	108	U	108	U	108	U
118-74-1	Hexachlorobenzene	210	NL	µg/kg	107	U	106	U	103	U	107	U	104	U	103	U	104	U	106	U	108	U	108	U	108	U
77-47-4	Hexachlorocyclopentadiene	180	NL	µg/kg	107	U	106	U	103	U	107	UL	104	U	103	U	104	U	106	U	108	UL	108	U	108	U
67-72-1	Hexachloroethane	1800	NL	µg/kg	107	U	106	U	103	U	107	U	104	U	103	U	104	U	106	U	108	U	108	U	108	U
193-39-5	Indeno(1,2,3-CD)Pyrene	160	500	µg/kg	107	U	106	U	103	U	107	U	104	U	103	U	104	U	106	U	108	U	1090		1010	
91-20-3	Naphthalene	NL	NL	µg/kg	107	U	106	U	103	U	107	U	104	U	103	U	104	U	106	U	108	U	406		300	
98-95-3	Nitrobenzene	NL	NL	µg/kg	107	U	106	U	103	U	107	U	104	U	103	U	104	U	106	U	108	U	108	U	108	U
621-64-7	n-Nitroso-di-n-propylamine	NL	NL	µg/kg	107	U	106	U	103	U	107	U	104	U	103	U	104	U	106	U	108	U	108	U	108	U
86-30-6	n-Nitrosodiphenylamine	NL	NL	µg/kg	107	U	106	U	103	U	107	U	104	U	103	U	104	U	106	U	108	U	108	U	108	U
106-47-8	P-Chloroaniline	NL	NL	µg/kg	107	U	106	U	103	U	107	U	104	U	103	U	104	U	106	U	108	U	108	U	108	U
87-86-5	Pentachlorophenol	NL	NL	µg/kg	107	U	106	U	103	U	107	U	104	U	103	U	104	U	106	U	108	U	108	U	108	U
85-01-8	Phenanthrene	NL	NL	µg/kg	107	U	106	U	103	U	107	U	104	U	103	U	123		106	U	108	U	699		793	
108-95-2	Phenol	NL	NL	µg/kg	107	U	106	U	103	U	107	U	104	U	103	U	104	U	106	U	108	U	108	U	108	U
100-01-6	p-Nitroaniline	NL	NL	µg/kg	107	U	106	U	103	U	107	U	104	U	103	U	104	U	106	U	108	U	108	U	108	U
129-00-0	Pyrene	NL	NL	µg/kg	107	U	106	U	144		107	U	104	U	103	U	162		106	U	168		2070		2290	

> EPA RSLs

> NYSDEC Unrestricted

Acronyms

µg/kg - microgram by kilo

CLP - Contract Laboratory

FD - field duplicates

L - Off scale high

N - normal

NL - not listed

Q - qualifier

SO - soil

U - undetected

UJ - esitmated undetecte

Table 4-1c
Soil Sample Detections - PCBs
Kingston Rail Yard
Kingston, New York

				Sample ID	KR-SS-01-A		KR-SS-02-A		KR-SS-03-A		KR-SS-04-A		KR-SS-05-A		KR-SS-06-A		KR-SS-07-A		KR-SB-01-A		KR-SS-08-A		KR-SS-11-A		KR-SB-06-A		KR-SS-10-A		KR-SB-10-A		KR-SB-02-A		**KR-SB-03-A**	
				Location ID	KR-SS-01		KR-SS-02		KR-SS-03		KR-SS-04		KR-SS-05		KR-SS-06		KR-SS-07		KR-SB-01		KR-SS-08		KR-SS-11		KR-SB-06		KR-SS-10		KR-SB-10		KR-SB-02		**KR-SB-03**	
				Sample Date	6/14/2016		6/14/2016		6/14/2016		6/14/2016		6/14/2016		6/14/2016		6/14/2016		6/14/2016		6/14/2016		6/14/2016		6/14/2016		6/14/2016		6/14/2016		6/15/2016		**6/15/2016**	
				Matrix	SO		SO		SO		SO		SO		SO		SO		SO		SO		SO		SO		SO		SO		**SO**	
				Sample Depth	0 - 0.5 feet		0 - 0.5 feet		0 - 0.5 feet		0 - 0.5 feet		0 - 0.5 feet		0 - 0.5 feet		0 - 0.5 feet		14 - 15 feet		0 - 0.5 feet		0 - 0.5 feet		18 - 20 feet		0 - 0.5 feet		21 - 22 feet		2 - 3 feet		**3' - 4'**	
				Sample Type	N		N		N		N		N		N		N		N		N		N		N		N		N		N		**N**	
				Parent Sample Code																														
				CLP#	BD2C3		BD2C4		BD2C5		BD2C6		BD2C7		BD2C8		BD2C9		BD2B1		BD2D0		BD2D3		BD2B6		BD2D2		BD2C0		BD2B2		**BD2B3**	
CAS No.	**Chemical**	**EPA RSLs**	**NYSDEC Unrestricted**	**Unit**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**
12674-11-2	Aroclor 1016	410	100	µg/kg	32	UJ	34	UJ	41	UJ	34	UJ	33	UJ	33	UJ	34	UJ	33	UJ	35	UJ	34	UJ	34	UJ	32	UJ	33	UJ	33	UJ	33	UJ
11104-28-2	Aroclor 1221	200	100	µg/kg	64	UJ	67	UJ	81	UJ	68	UJ	66	UJ	66	UJ	67	UJ	66	UJ	69	UJ	68	UJ	67	UJ	64	UJ	66	UJ	67	UJ	66	UJ
11141-16-5	Aroclor 1232	170	100	µg/kg	32	UJ	34	UJ	41	UJ	34	UJ	33	UJ	33	UJ	34	UJ	33	UJ	35	UJ	34	UJ	34	UJ	32	UJ	33	UJ	33	UJ	33	UJ
53469-21-9	Aroclor 1242	230	100	µg/kg	32	UJ	34	UJ	41	UJ	34	UJ	33	UJ	33	UJ	34	UJ	33	UJ	35	UJ	34	UJ	34	UJ	32	UJ	33	UJ	33	UJ	33	UJ
12672-29-6	Aroclor 1248	230	100	µg/kg	32	UJ	34	UJ	41	UJ	34	UJ	33	UJ	33	UJ	34	UJ	33	UJ	35	UJ	34	UJ	120	J	32	UJ	33	UJ	33	UJ	33	UJ
11097-69-1	Aroclor 1254	120	100	µg/kg	32	UJ	34	UJ	41	UJ	34	UJ	33	UJ	33	UJ	34	UJ	33	UJ	35	UJ	34	UJ	34	UJ	32	UJ	33	UJ	33	UJ	33	UJ
11096-82-5	Aroclor 1260	240	100	µg/kg	32	UJ	34	UJ	41	UJ	34	UJ	33	UJ	33	UJ	34	UJ	33	UJ	35	UJ	34	UJ	34	UJ	32	UJ	33	UJ	33	UJ	270	J
37324-23-5	Aroclor 1262	NL	100	µg/kg	32	UJ	34	UJ	41	UJ	34	UJ	33	UJ	33	UJ	34	UJ	33	UJ	35	UJ	34	UJ	34	UJ	32	UJ	33	UJ	33	UJ	33	UJ
11100-14-4	Aroclor 1268	NL	100	µg/kg	32	UJ	34	UJ	41	UJ	34	UJ	33	UJ	33	UJ	34	UJ	33	UJ	35	UJ	34	UJ	34	UJ	32	UJ	33	UJ	33	UJ	33	UJ

> EPA RSLs

> NYSDEC Unrestricted

Acronyms

µg/kg - microgram by kilogram
CLP - Contract Laboratory Program
FD - field duplicates
N - normal
NL - not listed
Q - qualifier
SO - soil
U - undetected
UJ - esitmated undetected

Table 4-1c
Soil Sample Detections - PCBs
Kingston Rail Yard
Kingston, New York

				Sample ID	KR-SB-04-A		KR-SB-05-A		KR-SB-07-A		SB-900-A		KR-SB-08-A		KR-SB-11-A		SB-900-B		KR-SS-09-A		KR-SB-09-A	
				Location ID	KR-SB-04		KR-SB-05		KR-SB-07		KR-SB-07		KR-SB-08		KR-SB-11		KR-SB-11		KR-SS-09		KR-SB-09	
				Sample Date	6/15/2016		6/15/2016		6/15/2016		6/15/2016		6/15/2016		6/15/2016		6/15/2016		6/15/2016		6/15/2016	
				Matrix	SO		SO		SO		SO		SO		SO		SO		SO		SO	
	Sample Depth				6' - 7'		5' - 6'		4' - 5'		4' - 5'		7' - 8'		1' - 2'		1' - 2'		0' - 0.5'		4' - 5'	
				Sample Type	N		N		N		FD		N		N		FD		N		N	
				Parent Sample Code							KR-SB-07-A						KR-SB-11-A					
				CLP#	BD2B4		BD2B5		BD2B7		BD2D5		BD2B8		BD2C1		BD2D6		BD2D1		BD2B9	
CAS No.	Chemical	EPA RSLs	NYSDEC Unrestricted	Unit	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
12674-11-2	Aroclor 1016	410	100	µg/kg	33	UJ	32	UJ	32	UJ	32	UJ	32	UJ	34	UJ	34	UJ	32	UJ	33	UJ
11104-28-2	Aroclor 1221	200	100	µg/kg	66	UJ	64	UJ	64	UJ	64	UJ	65	UJ	67	UJ	67	UJ	65	UJ	66	UJ
11141-16-5	Aroclor 1232	170	100	µg/kg	33	UJ	32	UJ	32	UJ	32	UJ	32	UJ	34	UJ	34	UJ	32	UJ	33	UJ
53469-21-9	Aroclor 1242	230	100	µg/kg	33	UJ	32	UJ	32	UJ	32	UJ	32	UJ	34	UJ	34	UJ	32	UJ	33	UJ
12672-29-6	Aroclor 1248	230	100	µg/kg	33	UJ	32	UJ	32	UJ	32	UJ	32	UJ	34	UJ	34	UJ	32	UJ	33	UJ
11097-69-1	Aroclor 1254	120	100	µg/kg	33	UJ	32	UJ	32	UJ	32	UJ	32	UJ	34	UJ	34	UJ	32	UJ	33	UJ
11096-82-5	Aroclor 1260	240	100	µg/kg	33	UJ	32	UJ	32	UJ	32	UJ	32	UJ	34	UJ	34	UJ	32	UJ	33	UJ
37324-23-5	Aroclor 1262	NL	100	µg/kg	33	UJ	32	UJ	32	UJ	32	UJ	32	UJ	34	UJ	34	UJ	32	UJ	33	UJ
11100-14-4	Aroclor 1268	NL	100	µg/kg	33	UJ	32	UJ	32	UJ	32	UJ	32	UJ	34	UJ	34	UJ	32	UJ	33	UJ

> EPA RSLs

> NYSDEC Unrestricted

Acronyms

µg/kg - microgram by kilogram
CLP - Contract Laboratory Program
FD - field duplicates
N - normal
NL - not listed
Q - qualifier
SO - soil
U - undetected
UJ - esitmated undetected

Table 4-1d
Soil Sample Detections - Metals
Kingston Rail Yard
Kingston, New York

				Sample ID	KR-SS-01-A		KR-SS-02-A		KR-SS-03-A		KR-SS-04-A		KR-SS-05-A		KR-SS-06-A		KR-SS-07-A		KR-SB-01-A		KR-SS-08-A		KR-SS-11-A		KR-SB-06-A		KR-SS-10-A		KR-SB-10-A	
				Location ID	KR-SS-01		KR-SS-02		KR-SS-03		KR-SS-04		KR-SS-05		KR-SS-06		KR-SS-07		KR-SB-01		KR-SS-08		KR-SS-11		KR-SB-06		KR-SS-10		KR-SB-10	
				Sample Date	6/14/2016		6/14/2016		6/14/2016		6/14/2016		6/14/2016		6/14/2016		6/14/2016		6/14/2016		6/14/2016		6/14/2016		6/14/2016		6/14/2016		6/14/2016	
				Matrix	SO		SO		SO		SO		SO		SO		SO		SO		SO		SO		SO		SO	
				Sample Depth	0 - 0.5 feet		0 - 0.5 feet		0 - 0.5 feet		0 - 0.5 feet		0 - 0.5 feet		0 - 0.5 feet		0 - 0.5 feet		14 - 15 feet		0 - 0.5 feet		0 - 0.5 feet		18 - 20 feet		0 - 0.5 feet		21 - 22 feet	
				Sample Type	N		N		N		N		N		N		N		N		N		N		N		N		N	
				Parent Sample Code																										
				CLP#	BD2C3		BD2C4		BD2C5		BD2C6		BD2C7		BD2C8		BD2C9		BD2B1		BD2D0		BD2D3		BD2B6		BD2D2		BD2C0	
CAS No.	**Chemical**	**EPA RSLs**	**NYSDEC Unrestricted**	**Unit**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**
7429-90-5	Aluminum	7700	NL	mg/kg	2800		6000		2000		5400		5400		5500		5600		5800		4600		4900		5600		5700		6000	
7440-36-0	Antimony	3.1	NL	mg/kg	12		1.7		7.1		3.7		2.3		3.4		4.6		1.7	U	5.1		4.8		1.7	U	1.7	U	1.6	U
7440-38-2	Arsenic	0.68	13	mg/kg	120		9.7		30		9.9		8		9.7		10		3.1		13		12		2.7		4.6		3.8	
7440-39-3	Barium	1500	350	mg/kg	92		53		45		51		37		56		59		23		62		46		24		22		28	
7440-41-7	Beryllium	16	7.2	mg/kg	0.66		0.38		0.32	U	0.37		0.27		0.31		0.34		0.25	U	0.33		0.26		0.26	U	0.25	U	0.25	
7440-43-9	Cadmium	7.1	2.5	mg/kg	5.4		0.68		7.3		0.3		0.47		0.72		0.64		0.25	U	0.95		1.3		0.26	U	0.25	U	0.24	U
7440-70-2	Calcium Metal	NL	NL	mg/kg	2300		10000		7700		1200		1300		4300		3700		170		4700		1900		370		17000		15000	
7440-47-3	Chromium	NL	30	mg/kg	190		12		220		9.9		9.7		14		15		7.3		17		14		7.4		8.1		11	
7440-48-4	Cobalt	2.3	NL	mg/kg	35		7.4		23		6.7		5.2		6.4		6.5		5.1		7		6		5.4		5.1		4.9	
7440-50-8	Copper	310	50	mg/kg	460		53		310		76		37		72		100		10		100		97		9.6		13		11	
7439-89-6	Iron	5500	NL	mg/kg	350000		19000		170000		20000		16000		22000		28000		12000		49000		22000		12000		12000		12000	
7439-92-1	Lead	400	63	mg/kg	94		130		170		130		90		170		170		6.1		180		140		5.9		10		8.4	
7439-95-4	Magnesium	NL	NL	mg/kg	350		2000		770		1900		1700		1800		1500		2100		1400		1400		2100		2200		2200	
7439-96-5	Manganese	NL	1600	mg/kg	1300		400		1100		360		290		380		370		360		390		350		370		330		320	
7440-02-0	Nickel	150	30	mg/kg	160		16		180		14		13		18		18		13		21		14		13		13		13	
7440-09-7	Potassium	NL	NL	mg/kg	410		410		310		400		340		430		410		350		380		370		400		360		460	
7782-49-2	Selenium	NA	NA	mg/kg	31		1.6	U	3.5		1.8	U	1.7	U	1.7	U	1.7	U	1.7	U	1.7	U	1.7	U	1.7	U	1.7	U	1.6	U
7440-22-4	Silver	39	2	mg/kg	0.83	U	0.41	U	0.54	U	0.44	U	0.41	U	0.41	U	0.41	U	0.42	U	0.41	U	0.42	U	0.43	U	0.41	U	0.4	U
7440-23-5	Sodium	NL	NL	mg/kg	410		82	U	150		88	U	83	U	83	U	83	U	84	U	83	U	110		87	U	83	U	80	U
7440-28-0	Thallium	0.078	NL	mg/kg	3.3	U	1.6	U	2.1	U	1.8	U	1.7	U	1.7	U	1.7	U	1.7	U	1.7	U	1.7	U	1.7	U	1.7	U	1.6	U
7440-31-5	Tin	NL	NL	mg/kg	34		6.1		21		9.7		5.3		8.7		16		0.84	U	13		11		0.87	U	0.83	U	0.8	U
7440-62-2	Vanadium	39	NL	mg/kg	27		14		30		13		13		13		16		8.5		14		12		8.2		9.1		9.5	
7440-66-6	Zinc	2300	109	mg/kg	70		190		330		61		140		310		84		35		84		75		34		37		35	

> EPA RSLs

> NYSDEC Unrestricted

Table 4-1d
Soil Sample Detections - Metals
Kingston Rail Yard
Kingston, New York

				Sample ID	KR-SB-02-A		KR-SB-03-A		KR-SB-04-A		KR-SB-05-A		KR-SB-07-A		SB-900-A		KR-SB-08-A		KR-SB-11-A		SB-900-B		KR-SS-09-A		KR-SB-09-A	
				Location ID	KR-SB-02		KR-SB-03		KR-SB-04		KR-SB-05		KR-SB-07		KR-SB-07		KR-SB-08		KR-SB-11		KR-SB-11		KR-SS-09		KR-SB-09	
				Sample Date	6/15/2016		6/15/2016		6/15/2016		6/15/2016		6/15/2016		6/15/2016		6/15/2016		6/15/2016		6/15/2016		6/15/2016		6/15/2016	
				Matrix	SO		SO		SO		SO		SO		SO		SO		SO		SO		SO		SO	
				Sample Depth	2 - 3 feet		3 - 4 feet		6 - 7 feet		5 - 6 feet		4 - 5 feet		4 - 5 feet		7 - 8 feet		1 - 2 feet		1 - 2 feet		0 - 0.5 feet		4 - 5 feet	
				Sample Type	N		N		N		N		N		FD		N		N		FD		N		N	
				Parent Sample Code											KR-SB-07-A						KR-SB-11-A					
				CLP#	BD2B2		BD2B3		BD2B4		BD2B5		BD2B7		BD2D5		BD2B8		BD2C1		BD2D6		BD2D1		BD2B9	
CAS No.	**Chemical**	**EPA RSLs**	**NYSDEC Unrestricted**	**Unit**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**
7429-90-5	Aluminum	7700	NL	mg/kg	6100		7000		6100		6000		6500		6500		6400		5400		5500		5700		7200	
7440-36-0	Antimony	3.1	NL	mg/kg	1.6	U	1.6	U	1.7	U	1.7	U	1.5	U	1.7	U	1.6	U	4.1		3.8		3.7		1.8	U
7440-38-2	Arsenic	0.68	13	mg/kg	3.8		3.1		3		3.9		3.4		3.7		3.2		8		6.2		7.2		2.9	
7440-39-3	Barium	1500	350	mg/kg	30		20		11		17		11		12		25		44		50		46		43	
7440-41-7	Beryllium	16	7.2	mg/kg	0.28		0.25		0.26	U	0.25	U	0.22		0.25	U	0.25		0.28		0.29		0.28		0.26	U
7440-43-9	Cadmium	7.1	2.5	mg/kg	0.24	U	0.24	U	0.26	U	0.25	U	0.22	U	0.25	U	0.25	U	0.26	U	0.24	U	0.36		0.26	U
7440-70-2	Calcium Metal	NL	NL	mg/kg	480		320		230		170		250		230		290		1300		1100		11000		590	
7440-47-3	Chromium	NL	30	mg/kg	7.2		7.6		7.2		8		7.6		7.9		8.5		9.6		9.6		9.4		7.5	
7440-48-4	Cobalt	2.3	NL	mg/kg	6		5.1		5.3		5.1		5.2		5.3		6		6.4		6.6		6.6		4.5	
7440-50-8	Copper	310	50	mg/kg	17		8		10		12		9.1		10		16		64		63		77		7.8	
7439-89-6	Iron	5500	NL	mg/kg	12000		12000		11000		12000		12000		12000		16000		19000		19000		20000		11000	
7439-92-1	Lead	400	63	mg/kg	17		5.9		7.6		11		6.7		6.2		15		79		76		170		6.7	
7439-95-4	Magnesium	NL	NL	mg/kg	1800		1800		2000		2100		2100		2100		2000		1600		1500		2000		1500	
7439-96-5	Manganese	NL	1600	mg/kg	390		340		300		330		270		320		460		370		420		410		420	
7440-02-0	Nickel	150	30	mg/kg	12		13		12		13		13		13		15		16		17		15		10	
7440-09-7	Potassium	NL	NL	mg/kg	280		250		290		340		280		300		290		320		320		390		340	
7782-49-2	Selenium	NA	NA	mg/kg	1.6	U	1.6	U	1.7	U	1.7	U	1.5	U	1.7	U	1.6	U	1.8	U	1.6	U	1.7	U	1.8	U
7440-22-4	Silver	39	2	mg/kg	0.4	U	0.4	U	0.43	U	0.42	U	0.37	U	0.42	U	0.41	U	0.44	U	0.4	U	0.43	U	0.44	U
7440-23-5	Sodium	NL	NL	mg/kg	79	U	79	U	86	U	85	U	75	U	84	U	82	U	88	U	80	U	86	U	88	U
7440-28-0	Thallium	0.078	NL	mg/kg	1.6	U	1.6	U	1.7	U	1.7	U	1.5	U	1.7	U	1.6	U	1.8	U	1.6	U	1.7	U	1.8	U
7440-31-5	Tin	NL	NL	mg/kg	0.79	U	0.79	U	0.86	U	0.85	U	0.75	U	0.84	U	1.8		8.8		8.3		10		0.88	U
7440-62-2	Vanadium	39	NL	mg/kg	9.3		10		8.4		8.8		9.6		9.5		9.1		10		10		11		10	
7440-66-6	Zinc	2300	109	mg/kg	36		33		30		44		29		31		32		38		38		58		28	

> EPA RSLs

> NYSDEC Unrestricted

Table 4-1e
Soil Sample Detections - DRO/GRO
Kingston Rail Yard
Kingston, New York

Sample ID			KR-SS-01-A		KR-SS-02-A		KR-SS-03-A		KR-SS-04-A		KR-SS-05-A		KR-SS-06-A		KR-SS-07-A		KR-SS-08-A		KR-SS-09-A		KR-SS-10-A		KR-SS-11-A		KR-SB-01-A		KR-SB-02-A		KR-SB-03-A		KR-SB-04-A	
Location ID			KR-SS-01		KR-SS-02		KR-SS-03		KR-SS-04		KR-SS-05		KR-SS-06		KR-SS-07		KR-SS-08		KR-SS-09		KR-SS-10		KR-SS-11		KR-SB-01		KR-SB-02		KR-SB-03		KR-SB-04	
Sample Date			6/14/2016		6/14/2016		6/14/2016		6/14/2016		6/14/2016		6/14/2016		6/14/2016		6/14/2016		6/15/2016		6/14/2016		6/14/2016		6/14/2016		6/15/2016		6/15/2016		6/15/2016	
Matrix			SO		SO		SO		SO		SO		SO		SO		SO		SO		SO		SO		SO		SO		SO		SO	
Sample Depth			0 - 0.5 feet		0 - 0.5 feet		0 - 0.5 feet		0 - 0.5 feet		0 - 0.5 feet		0 - 0.5 feet		0 - 0.5 feet		0 - 0.5 feet		0 - 0.5 feet		0 - 0.5 feet		0 - 0.5 feet		14 - 15 feet		2 - 3 feet		3 - 4 feet		6 - 7 feet	
Sample Type			N		N		N		N		N		N		N		N		N		N		N		N		N		N		N	
Parent Sample Code																																
CLP#			BD2C3		BD2C4		BD2C5		BD2C6		BD2C7		BD2C8		BD2C9		BD2D0		BD2D1		BD2D2		BD2D3		BD2B1		BD2B2		BD2B3		BD2B4	
CAS No.	**Chemical**	**Unit**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**
68334-30-5	Total Petroleum Hydrocarbons as Diesel	µg/kg	25000		18000		9900	J	14000		170000		21000		14000		15000		14000		390000		310000		33000		11000	U	10000	U	11000	U
8006-61-9	Gasoline Range Hydrocarbons	µg/kg	100	U	100	U	120	U	99	U	110	U	94	U	100	U	100	U	94	U	88	U	95	U	100	U	97	U	110	U	100	U

Sample ID			KR-SB-05-A		KR-SB-06-A		KR-SB-07-A		SB-900-A		KR-SB-08-A		KR-SB-09-A		KR-SB-10-A		KR-SB-11-A		SB-900-B													
Location ID			KR-SB-05		KR-SB-06		KR-SB-07		KR-SB-07		KR-SB-08		KR-SB-09		KR-SB-10		KR-SB-11		KR-SB-11													
Sample Date			6/15/2016		6/14/2016		6/15/2016		6/15/2016		6/15/2016		6/15/2016		6/14/2016		6/15/2016		6/15/2016													
Matrix			SO		SO		SO		SO		SO		SO		SO		SO		SO													
Sample Depth			5 - 6 feet		18 - 20 feet		4 - 5 feet		4 - 5 feet		7 - 8 feet		4 - 5 feet		21 - 22 feet		1 - 2 feet		1' - 2'													
Sample Type			N		N		N		FD		N		N		N		N		FD													
Parent Sample Code									KR-SB-07-A										KR-SB-11-A													
CLP#			BD2B5		BD2B6		BD2B7		BD2D5		BD2B8		BD2B9		BD2C0		BD2C1		BD2D6													
CAS No.	**Chemical**	**Unit**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**												
68334-30-5	Total Petroleum Hydrocarbons as Diesel	µg/kg	10000	U	11000	U	10000	UJ	53000	J	10000	U	11000	U	48000		11000		9500	J												
8006-61-9	Gasoline Range Hydrocarbons	µg/kg	95	U	120	U	98	U	100	U	110	U	96	U	100	U	100	U	110	U												

Acronyms
µg/kg - microgram per kilogram
CLP - Contract Laboratory Program
FD - field duplicates
N - normal
NL - not listed
Q - qualifier
SO - soil
U - undetected
UJ - esitmated undetected

Table 4-2a
Groundwater Sample Detections - VOCs
Kingston Rail Yard
Kingston, New York

				Sample ID	KR-GW-01-1		GW-900-1		KR-GW-02-1		KR-GW-03-1	
				Location ID	KR-GW-01		KR-GW-02		KR-GW-02		KR-GW-03	
				Matrix	WG		WG		WG		WG	
				Sample Date	6/16/2016		6/16/2016		6/16/2016		6/16/2016	
				Sample Depth	20 - 25 feet		20 - 25 feet		20 - 25 feet		20 - 25 feet	
				Sample Type	N		FD		N		N	
				Parent Sample Code			KR-GW-02-1					
				CLP#	BD2D7		BD2E0		BD2D8		BD2D9	
CAS No.	Chemical	EPA RSLs	NYSDEC Unrestricted	Unit	Result	Q	Result	Q	Result	Q	Result	Q
71-55-6	1,1,1-Trichloroethane	200	5	µg/L	0.5	U	0.5	U	0.5	U	0.5	U
79-34-5	1,1,2,2-Tetrachlorethane	NL	5	µg/L	0.5	U	0.5	U	0.5	U	0.5	U
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethan	NL	5	µg/L	0.5	U	0.5	U	0.5	U	0.5	U
79-00-5	1,1,2-Trichloroethane	5	1	µg/L	0.5	U	0.5	U	0.5	U	0.5	U
75-34-3	1,1-Dichloroethane	NL	5	µg/L	0.5	U	0.5	U	0.5	U	0.5	U
75-35-4	1,1-Dichloroethene	7	5	µg/L	0.5	U	0.5	U	0.5	U	0.5	U
87-61-6	1,2,3-Trichlorobenzene	NL	5	µg/L	0.5	U	0.5	U	0.5	U	0.5	U
120-82-1	1,2,4-Trichlorobenzene	70	5	µg/L	0.5	U	0.5	U	0.5	U	0.5	U
96-12-8	1,2-Dibromo-3-Chloropropane	0.2	0.04	µg/L	0.5	U	0.5	U	0.5	U	0.5	U
106-93-4	1,2-Dibromoethane	0.05	0.0006	µg/L	0.5	U	0.5	U	0.5	U	0.5	U
95-50-1	1,2-Dichlorobenzene	600	3	µg/L	0.5	U	0.5	U	0.5	U	0.5	U
107-06-2	1,2-Dichloroethane	5	0.6	µg/L	0.5	U	0.5	U	0.5	U	0.5	U
78-87-5	1,2-Dichloropropane	5	1	µg/L	0.5	U	0.5	U	0.5	U	0.5	U
541-73-1	1,3-Dichlorobenzene	NL	3	µg/L	0.5	U	0.5	U	0.5	U	0.5	U
106-46-7	1,4-Dichlorobenzene	75	3	µg/L	0.5	U	0.5	U	0.5	U	0.5	U
78-93-3	2-Butanone (MEK)	NL	50	µg/L	5	U	5	U	5	U	5	U
591-78-6	2-Hexanone	NL	50	µg/L	5	U	5	U	5	U	5	U
108-10-1	4-Methyl-2-Pentanone (MIBK)	NL	NL	µg/L	5	U	5	U	5	U	5	U
67-64-1	Acetone	NL	50	µg/L	5	U	5	U	5	U	5	U
71-43-2	Benzene	5	1	µg/L	0.5	U	0.5	U	0.5	U	0.5	U
74-97-5	Bromochloromethane	NL	5	µg/L	0.5	U	0.5	U	0.5	U	0.5	U
75-27-4	Bromodichloromethane	80	50	µg/L	0.5	U	0.5	U	0.5	U	0.5	U
75-25-2	Bromoform	80	50	µg/L	0.5	U	0.5	U	0.5	U	0.5	U
74-83-9	Bromomethane	NL	5	µg/L	0.5	U	0.5	U	0.5	U	0.5	U
75-15-0	Carbon Disulfide	NL	60	µg/L	0.5	U	0.5	U	0.5	U	0.5	U
56-23-5	Carbon Tetrachloride	5	5	µg/L	0.5	U	0.5	U	0.5	U	0.5	U
108-90-7	Chlorobenzene	100	5	µg/L	0.5	U	0.5	U	0.5	U	0.5	U
75-00-3	Chloroethene	NL	5	µg/L	0.5	U	0.5	U	0.5	U	0.5	U
67-66-3	Chloroform	80	7	µg/L	0.5	U	0.5	U	0.5	U	0.5	U
74-87-3	Chloromethene	NL	5	µg/L	0.5	U	0.5	U	0.5	U	0.5	U
156-59-2	cis-1,2-Dichloroethene	70	5	µg/L	0.5	U	0.5	U	0.5	U	0.5	U
10061-01-5	cis-1,3-dichloropropene	NL	0.4	µg/L	0.5	U	0.5	U	0.5	U	0.5	U
110-82-7	Cyclohexane	NL	NL	µg/L	0.5	U	0.5	U	0.5	U	0.5	U
124-48-1	Dibromochloromethane	80	50	µg/L	0.5	U	0.5	U	0.5	U	0.5	U
75-71-8	Dichlordifluoromethane	NL	5	µg/L	0.5	U	0.5	U	0.5	U	0.5	U
100-41-4	Ethylbenzene	700	5	µg/L	0.5	U	0.5	U	0.5	U	0.5	U
98-82-8	Isopropylbenzene	NL	5	µg/L	0.5	U	0.5	U	0.5	U	0.5	U
179601-23-1	M,P-Xylene	10000	19	µg/L	0.5	U	0.5	U	0.5	U	0.5	U
79-20-9	Methyl Acetate	NL	NL	µg/L	0.5	U	0.5	U	0.5	U	0.5	U
1634-04-4	Methyl Tert-Butyl Ether	NL	10	µg/L	0.5	U	0.5	U	0.5	U	0.5	U
108-87-2	Methylcyclohexane	NL	NL	µg/L	0.5	U	0.5	U	0.5	U	0.5	U
75-09-2	Methylene Chloride	5	5	µg/L	0.5	U	0.5	U	0.5	U	0.5	U
95-47-6	O-Xylene	10000	19	µg/L	0.5	U	0.5	U	0.5	U	0.5	U
100-42-5	Styrene	100	5	µg/L	0.5	U	0.5	U	0.5	U	0.5	U
127-18-4	Tetrachloroethene	5	5	µg/L	4.2		170		180		120	
108-88-3	Toluene	1000	5	µg/L	0.5	U	0.5	U	0.5	U	0.5	U
156-60-5	Trans-1,2-dichloroethene	100	5	µg/L	0.5	U	0.5	U	0.5	U	0.5	U
10061-02-6	Trans-1,3-dichloropropene	NL	0.4	µg/L	0.5	U	0.5	U	0.5	U	0.5	U
79-01-6	Tricloroethene	5	5	µg/L	14		24		24		23	
75-69-4	Trichlorofluoromethane	NL	5	µg/L	0.5	U	0.5	U	0.5	U	0.5	U
75-01-4	Vinyl Chloride	2	2	µg/L	0.5	U	0.5	U	0.5	U	0.5	U

> EPA RSLs
> NYSDEC Unrestricted

Acronyms
µg/L - microgram per liter
CLP - Contract Laboratory Program
J - esitmated results
N - normal
NL - not listed
Q - qualifier
WG - groundwater
U - undetected
UJ - esitmated undetected

Table 4-2b
Groundwater Sample Detections - SVOCs
Kingston Rail Yard
Kingston, New York

				Sample ID	KR-GW-01-1		GW-900-1		KR-GW-02-1		KR-GW-03-1	
				Location ID	KR-GW-01		KR-GW-02		KR-GW-02		KR-GW-03	
				Sample Date	6/16/2016		6/16/2016		6/16/2016		6/16/2016	
				Matrix	WG		WG		WG		WG	
				Sample Date	20- 25 feet		20- 25 feet		20- 25 feet		20- 25 feet	
				Sample Type	N		FD		N		N	
				Parent Sample Code			KR-GW-02-1					
				CLP#	BD2D7		BD2E0		BD2D8		BD2D9	
CAS No.	**Chemical**	**EPA RSLs**	**NYSDEC Unrestricted**	**Unit**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**
92-52-4	1,1'-Biphenyl	NL	5	µg/L	5.3	U	5.3	U	5	U	5.3	U
95-94-3	1,2,4,5-Tetrachlorobenzene	NL	5	µg/L	5.3	U	5.3	U	5	U	5.3	U
218-01-9	1,2-Benzphenanthracene	NL	0.002	µg/L	5.3	U	5.3	U	5	U	5.3	U
123-91-1	1,4-Dioxane	NL	NL	µg/L	2.1	U	2.1	U	2	U	2.1	U
58-90-2	2,3,4,6-Tetrachlorophenol	NL	NL	µg/L	5.3	UL	5.3	U	5	U	5.3	U
95-95-4	2,4,5-Trichlorophenol	NL	NL	µg/L	5.3	U	5.3	U	5	U	5.3	U
88-06-2	2,4,6-Trichlorophenol	NL	NL	µg/L	5.3	U	5.3	U	5	U	5.3	U
120-83-2	2,4-Dichlorophenol	NL	5	µg/L	5.3	U	5.3	U	5	U	5.3	UL
105-67-9	2,4-Dimethylphenol	NL	50	µg/L	5.3	U	5.3	U	5	U	5.3	UL
51-28-5	2,4-Dinitrophenol	NL	10	µg/L	5.3	U	5.3	U	5	U	5.3	U
121-14-2	2,4-Dinitrotoluene	NL	5	µg/L	5.3	U	5.3	U	5	U	5.3	U
606-20-2	2,6-Dinitrotoluene	NL	5	µg/L	5.3	U	5.3	U	5	U	5.3	U
91-58-7	2-Chloronapthalene	NL	NL	µg/L	5.3	U	5.3	U	5	U	5.3	U
95-57-8	2-Chlorophenol	NL	NL	µg/L	5.3	U	5.3	U	5	U	5.3	UL
91-57-6	2-Mehtylnaphthalene	NL	NL	µg/L	5.3	U	5.3	U	5	U	5.3	U
95-48-7	2-Methylphenol	NL	NL	µg/L	5.3	U	5.3	U	5	U	5.3	UL
88-74-4	2-Nitroaniline	NL	5	µg/L	5.3	U	5.3	U	5	U	5.3	U
88-75-5	2-Nitrophenol	NL	NL	µg/L	5.3	U	5.3	U	5	U	5.3	UL
91-94-1	3,3'-Dichlorobenzidine	NL	5	µg/L	5.3	U	5.3	U	5	U	5.3	U
78-59-1	3,5,5-Trimethyl-2-cyclohexene-1-one	NL	50	µg/L	5.3	U	5.3	U	5	U	5.3	U
99-09-2	3-Nitroaniline	NL	5	µg/L	5.3	U	5.3	U	5	U	5.3	U
534-52-1	4,6-Dinitro-2-methylphenol	NL	NL	µg/L	5.3	U	5.3	U	5	U	5.3	U
101-55-3	4-Bromophenyl Phenyl Ether	NL	NL	µg/L	5.3	U	5.3	U	5	U	5.3	U
59-50-7	4-Chloro-3-methylphenol	NL	NL	µg/L	5.3	U	5.3	U	5	U	5.3	UL
7005-72-3	4-Chlorophenyl Phenyl Ether	NL	NL	µg/L	5.3	U	5.3	U	5	U	5.3	U
106-44-5	4-Methylphenol	NL	NL	µg/L	5.3	UL	5.3	U	5	U	5.3	UL
100-02-7	4-Nitrophenol	NL	NL	µg/L	5.3	U	5.3	U	5	U	5.3	U
83-32-9	Acenaphthene	NL	NL	µg/L	5.3	U	5.3	U	5	U	5.3	U
208-96-8	Acenaphthylene	NL	NL	µg/L	5.3	U	5.3	U	5	U	5.3	U
98-86-2	Acetophenone	NL	NL	µg/L	5.3	U	5.3	U	5	U	5.3	U
120-12-7	Anthracene	NL	50	µg/L	5.3	U	5.3	U	5	U	5.3	U
1912-24-9	Atrazine	3	7.5	µg/L	5.3	U	5.3	U	5	U	5.3	U
100-52-7	Benzaldehyde	NL	NL	µg/L	5.3	U	5.3	U	5	U	5.3	U
56-55-3	Benzo(a)anthracene	NL	0.002	µg/L	5.3	U	5.3	U	5	U	5.3	U
50-32-8	Benzo(a)pyrene	0.2	NL	µg/L	5.3	U	5.3	U	5	U	5.3	U
205-99-2	Benzo(b)fluoranthene	NL	0.002	µg/L	5.3	U	5.3	U	5	U	5.3	U
191-24-2	Benzo(g,h,i)perylene	NL	NL	µg/L	5.3	U	5.3	U	5	U	5.3	U
207-08-9	Benzo(k)fluoranthene	NL	0.002	µg/L	5.3	U	5.3	U	5	U	5.3	U
85-68-7	Benzyl Butyl Phthalate	NL	50	µg/L	5.3	U	5.3	U	5	U	5.3	U
111-91-1	Bis(2-chloroethoxy)methane	NL	5	µg/L	5.3	U	5.3	U	5	U	5.3	U
111-44-4	Bis(2-chloroethyl)ether	NL	1	µg/L	5.3	U	5.3	U	5	U	5.3	U
117-81-7	Bis(2-ethylhexyl)phthalate	6	**5**	µg/L	5.3	U	5.3	U	5	U	5.3	U
108-60-1	Bis-chloroisopropyl ether	NL	5	µg/L	5.3	U	5.3	U	5	U	5.3	U
105-60-2	Caprolactam	NL	NL	µg/L	5.3	U	5.3	U	5	U	5.3	U

Table 4-2b
Groundwater Sample Detections - SVOCs
Kingston Rail Yard
Kingston, New York

				Sample ID	KR-GW-01-1		GW-900-1		KR-GW-02-1		KR-GW-03-1	
				Location ID	KR-GW-01		KR-GW-02		KR-GW-02		KR-GW-03	
				Sample Date	6/16/2016		6/16/2016		6/16/2016		6/16/2016	
				Matrix	WG		WG		WG		WG	
				Sample Date	20- 25 feet		20- 25 feet		20- 25 feet		20- 25 feet	
				Sample Type	N		FD		N		N	
				Parent Sample Code			KR-GW-02-1					
				CLP#	BD2D7		BD2E0		BD2D8		BD2D9	
CAS No.	**Chemical**	**EPA RSLs**	**NYSDEC Unrestricted**	**Unit**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**
86-74-8	Carbazole	NL	NL	µg/L	5.3	UL	5.3	U	5	U	5.3	U
53-70-3	Dibenzo(a,h)anthracene	NL	NL	µg/L	5.3	U	5.3	U	5	U	5.3	U
132-64-9	Dibenzofuran	NL	NL	µg/L	5.3	U	5.3	U	5	U	5.3	U
84-66-2	Diethyl Phthalate	NL	50	µg/L	5.3	U	5.3	U	5	U	5.3	U
131-11-3	Dimethyl Phthalate	NL	50	µg/L	5.3	U	5.3	U	5	U	5.3	U
84-74-2	Di-n-butylphthalate	NL	50	µg/L	5.3	U	5.3	U	5	U	5.3	U
117-84-0	Di-n-octylphthalate	NL	50	µg/L	5.3	U	5.3	U	5	U	5.3	U
206-44-0	Fluoranthene	NL	50	µg/L	5.3	U	5.3	U	5	U	5.3	U
86-73-7	Fluorene	NL	50	µg/L	5.3	U	5.3	U	5	U	5.3	U
87-68-3	Hexachloro-1,3-butadiene	NL	0.5	µg/L	5.3	U	5.3	U	5	U	5.3	U
118-74-1	Hexachlorobenzene	1	0.04	µg/L	5.3	U	5.3	U	5	U	5.3	U
77-47-4	Hexachlorocyclopentadiene	50	5	µg/L	5.3	U	5.3	U	5	U	5.3	U
67-72-1	Hexachloroethane	NL	5	µg/L	5.3	U	5.3	U	5	U	5.3	U
193-39-5	Indeno(1,2,3-cd)pyrene	NL	0.002	µg/L	5.3	U	5.3	U	5	U	5.3	U
91-20-3	Naphthalene	NL	NL	µg/L	5.3	U	5.3	U	5	U	5.3	U
98-95-3	Nitrobenzene	NL	0.4	µg/L	5.3	U	5.3	U	5	U	5.3	U
621-64-7	n-Nitroso-di-n-propyamine	NL	NL	µg/L	5.3	U	5.3	U	5	U	5.3	U
86-30-6	n-Nitrosodiphenylamine	NL	50	µg/L	5.3	UL	5.3	U	5	U	5.3	U
106-47-8	P-chloroaniline	NL	5	µg/L	5.3	UL	5.3	U	5	U	5.3	U
87-86-5	Pentachlorophenol	1	2	µg/L	5.3	U	5.3	U	5	U	5.3	U
85-01-8	Phenanthrene	NL	50	µg/L	5.3	U	5.3	U	5	U	5.3	U
108-95-2	Phenol	NL	2	µg/L	5.3	U	5.3	U	5	U	5.3	UL
100-01-6	p-Nitroaniline	NL	5	µg/L	5.3	UL	5.3	U	5	U	5.3	U
129-00-0	Pyrene	NL	50	µg/L	5.3	U	5.3	U	5	U	5.3	U

> EPA RSLs
> NYSDEC Unrestricted

Acronyms

µg/L - microgram per liter
CLP - Contract Laboratory Program
J - esitmated results
N - normal
NL - not listed
Q - qualifier
WG - groundwater
U - undetected
UJ - esitmated undetected

Table 4-2c
Groundwater Sample Detections - PCBs
Kingston Rail Yard
Kingston, New York

		Location ID	KR-GW-01		KR-GW-02		KR-GW-02		KR-GW-03	
		Matrix	WG		WG		WG		WG	
		Sample Date	6/16/2016		6/16/2016		6/16/2016		6/16/2016	
		Sample Type	N		FD		N		N	
		Parent Sample Code			KR-GW-02-1					
		Sample Depth	20 - 25 feet		20 - 25 feet		20 - 25 feet		20 - 25 feet	
		CLP#	BD2D7		BD2E0		BD2D8		BD2D9	
CAS No.	**Chemical**	**Unit**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**
11096-82-5	Aroclor 1260	µg/L	0.062	UJ	0.062	UJ	0.062	UJ	0.062	UJ
11097-69-1	Aroclor 1254	µg/L	0.062	UJ	0.062	UJ	0.062	UJ	0.062	UJ
11100-14-4	Aroclor 1268	µg/L	0.062	UJ	0.062	UJ	0.062	UJ	0.062	UJ
11104-28-2	Aroclor 1221	µg/L	0.12	UJ	0.12	UJ	0.12	UJ	0.12	UJ
11141-16-5	Aroclor 1232	µg/L	0.062	UJ	0.062	UJ	0.062	UJ	0.062	UJ
12672-29-6	Aroclor 1248	µg/L	0.062	UJ	0.062	UJ	0.062	UJ	0.062	UJ
12674-11-2	Aroclor 1016	µg/L	0.062	UJ	0.062	UJ	0.062	UJ	0.062	UJ
37324-23-5	Aroclor 1262	µg/L	0.062	UJ	0.062	UJ	0.062	UJ	0.062	UJ
53469-21-9	Aroclor 1242	µg/L	0.062	UJ	0.062	UJ	0.062	UJ	0.062	UJ

Acronyms

µg/L - microgram per liter
CLP - Contract Laboratory Program
J - esitmated results
N - normal
NL - not listed
Q - qualifier
WG - groundwater
U - undetected
UJ - esitmated undetected

Table 4-2d
Groundwater Sample Detections - Metals
Kingston Rail Yard
Kingston, New York

				Sample ID	KR-GW-01-1		GW-900-1		KR-GW-02-1		KR-GW-03-1	
				Location ID	KR-GW-01		KR-GW-02		KR-GW-02		KR-GW-03	
				Sample Date	6/16/2016		6/16/2016		6/16/2016		6/16/2016	
				Matrix	WG		WG		WG		WG	
				Sample Depth	20 - 25 feet		20 - 25 feet		20 - 25 feet		20 - 25 feet	
				Sample Type	N		FD		N		N	
				Parent Sample Code			KR-GW-02-1					
				CLP#	BD2D7		BD2E0		BD2D8		BD2D9	
CAS No.	**Chemical**	**EPA RSLs**	**NYSDEC Unrestricted**	**Unit**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**
7429-90-5	Aluminum	NL	NL	µg/L	100	U	100	U	100	U	100	U
7440-36-0	Antimony	6	3	µg/L	20	U	20	U	20	U	20	U
7440-38-2	Arsenic	10	25	µg/L	8	U	8	U	8	U	8	U
7440-39-3	Barium	2000	1000	µg/L	100	U	100	U	100	U	100	U
7440-41-7	Beryllium	4	3	µg/L	3	U	3	U	3	U	3	U
7440-43-9	Cadmium	5	5	µg/L	3	U	3	U	3	U	3	U
7440-70-2	Calcium Metal	NL	NL	µg/L	43000		38000		39000		39000	
7440-47-3	Chromium	100	50	µg/L	5	U	5	U	5	U	5	U
7440-48-4	Cobalt	NL	NL	µg/L	20	U	20	U	20	U	20	U
7440-50-8	Copper	1300	200	µg/L	10	U	10	U	10	U	10	U
7439-89-6	Iron	NL	300	µg/L	50	U	50	U	50	U	50	U
7439-92-1	Lead	15	25	µg/L	8	U	8	U	8	U	8	U
7439-95-4	Magnesium	NL	35000	µg/L	2700		4600		4700		3700	
7439-96-5	Manganese	NL	300	µg/L	120		27		28		60	
7440-02-0	Nickel	NL	100	µg/L	20	U	20	U	20	U	20	U
7440-09-7	Potassium	NL	NL	µg/L	3700		3100		3200		3000	
7782-49-2	Selenium	50	10	µg/L	20	U	20	U	20	U	20	U
7440-22-4	Silver	NL	50	µg/L	5	U	5	U	5	U	5	U
7440-23-5	Sodium	NL	20000	µg/L	88000		84000		84000		58000	
7440-28-0	Thallium	2	0.5	µg/L	20	U	20	U	20	U	20	U
7440-62-2	Vanadium	NL	NL	µg/L	20	U	20	U	20	U	20	U
7440-66-6	Zinc	NL	2000	µg/L	20	U	20	U	20	U	20	U

> EPA RSLs

> NYSDEC Unrestricted

Acronyms

µg/L - microgram per liter
CLP - Contract Laboratory Program
J - esitmated results
N - normal
NL - not listed
Q - qualifier
WG - groundwater
U - undetected
UJ - esitmated undetected

Table 4-2e
Groundwater Sample Detections - DRO/GRO
Kingston Rail Yard
Kingston, New York

			Location ID	KR-GW-01		KR-GW-02		KR-GW-02		KR-GW-03	
			Matrix	WG		WG		WG		WG	
			Sample Date	6/16/2016		6/16/2016		6/16/2016		6/16/2016	
			Sample Depth	20 - 25 feet		20 - 25 feet		20 - 25 feet		20 - 25 feet	
			Sample Type	N		FD		N		N	
			Parent Sample Code			KR-GW-02-1					
			CLP#	BD2D7		BD2E0		BD2D8		BD2D9	
CAS No.	Chemical	Unit		Result	Q	Result	Q	Result	Q	Result	Q
68334-30-5	Total Petroleum Hydrocarbons as Diesel	µg/L		100	U	100	U	100	U	100	U
8006-61-9	Gasoline Range Hydrocarbons	µg/L		100	U	100	U	100	U	100	U

Acronyms

µg/L - microgram per liter
CLP - Contract Laboratory Program
J - esitmated results
N - normal
NL - not listed
Q - qualifier
WG - groundwater
U - undetected
UJ - esitmated undetected

Figures



0 1,050 2,100 4,200 Feet

Figure 2-1

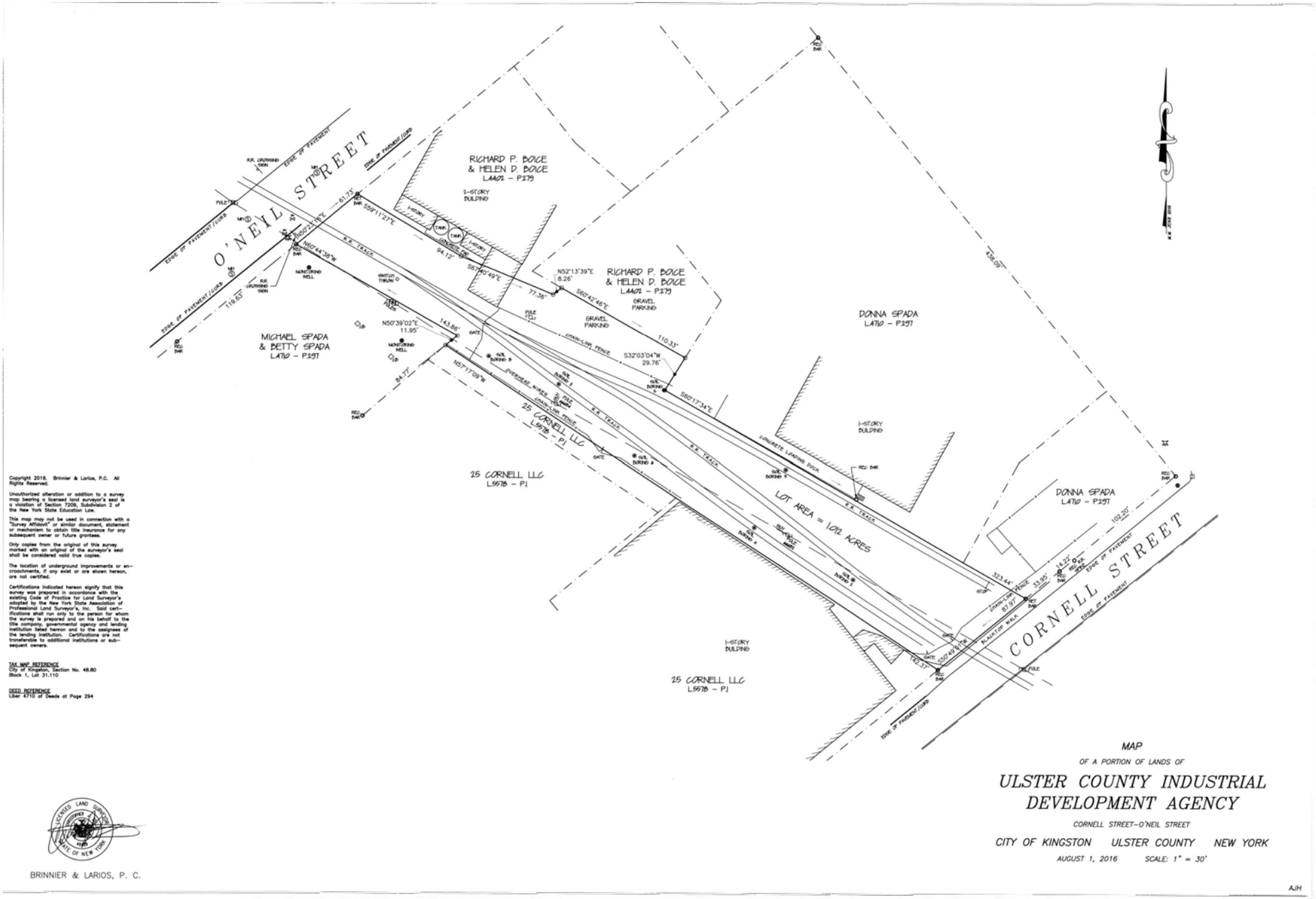
Kingston Rail Yard Phase II Environmental Site Assessment

Kingston, NY

Site Vicinity Map

CDM Smith

ESTRADAL C:\Users\estradal\Desktop\TBA Projects\Kingston Rail Yard\Coordinate Info\Figure 1-1 Site Vicinity Map.mxd 11/10/2016



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TAX MAP REFERENCE
City of Kingston, Section No. 48.80
Block 1, Lot 31.110

DEED REFERENCE
Liber 4710 of Deeds at Page 294

BRINNIER & LARIOS, P. C.

MAP
OF A PORTION OF LANDS OF
ULSTER COUNTY INDUSTRIAL DEVELOPMENT AGENCY
CORNELL STREET–O'NEIL STREET
CITY OF KINGSTON ULSTER COUNTY NEW YORK
AUGUST 1, 2016 SCALE: 1" = 30'

AJH

Scale: 1 inch = 60 feet

Kingston Rail Yard Phase II Environmental Site Assessment

Figure 2-2

Kingston, NY
Ulster County Industrial Development Agency
Site Survey

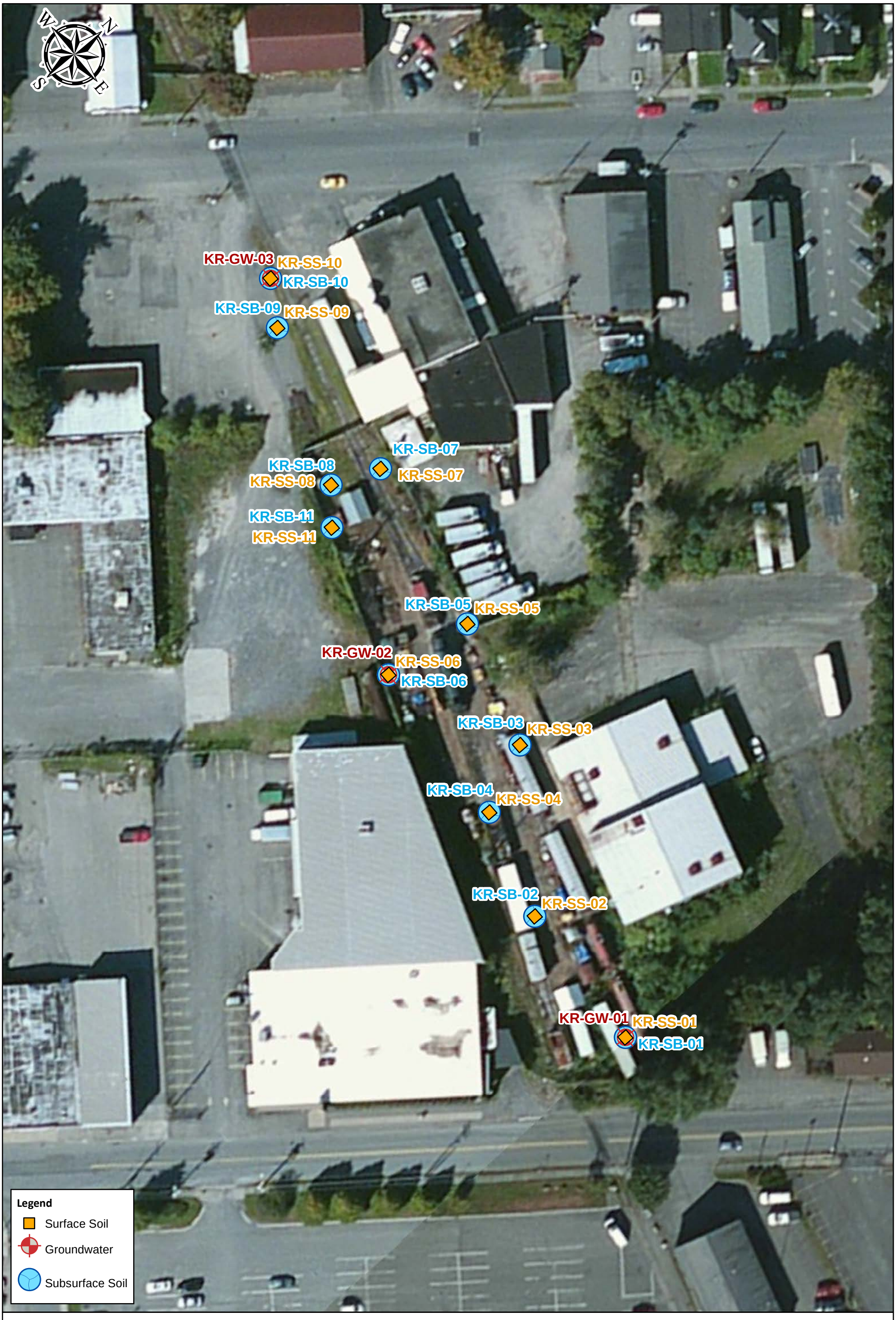


Figure 3-1

Kingston Rail Yard Phase II Environmental Site Assessment

Kingston, NY

Sample Location Plan

CDM Smith

N
W
E
S

Tremper Ave

Oneil St

Recognized Environmental Condition (REC)-1

Site Boundary

REC-2
Railroad Tracks

REC-3
Field Court Site

Cornell St

Broadway

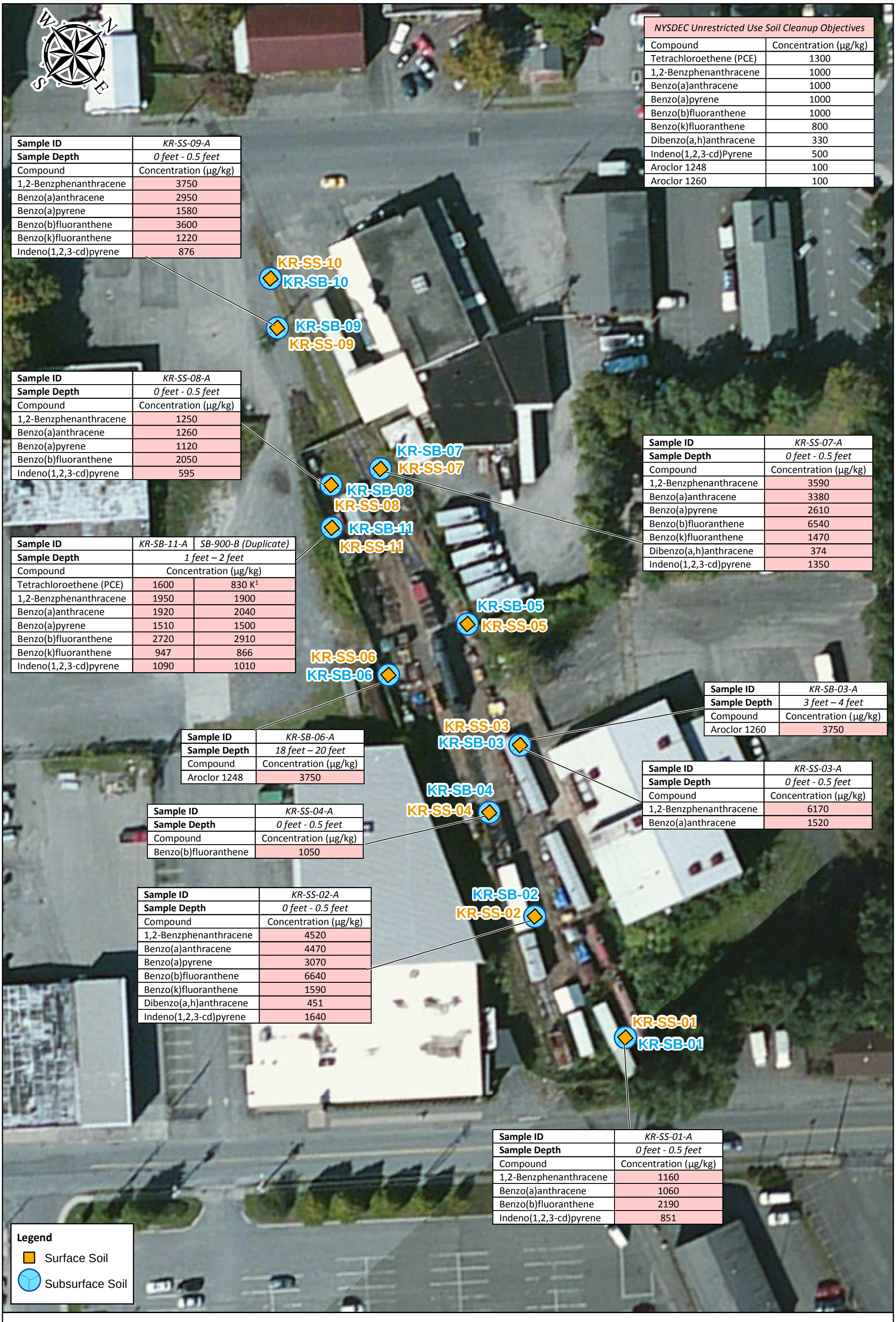
0 40 80 160
Feet

Figure 3-2

Kingston Rail Yard Phase II Environmental Site Assessment
Kingston, NY
Site Location Map

CDM Smith

ESTRADAL C:\Users\estradal\Desktop\TBA Projects\Kingston Rail Yard\Coordinate Info\Figure 1-3 Site Location Map.mxd 11/10/2016



NYSDEC Unrestricted Use Soil Cleanup Objectives	
Compound	Concentration (µg/kg)
Tetrachloroethene (PCE)	1300
1,2-Benzphenanthracene	1000
Benzo(a)anthracene	1000
Benzo(a)pyrene	1000
Benzo(b)fluoranthene	1000
Benzo(k)fluoranthene	800
Dibenzo(a,h)anthracene	330
Indeno(1,2,3-cd)Pyrene	500
Aroclor 1248	100
Aroclor 1260	100

Sample ID	*KR-SS-09-A*
Sample Depth	*0 feet - 0.5 feet*
Compound	Concentration (µg/kg)
1,2-Benzphenanthracene	3750
Benzo(a)anthracene	2950
Benzo(a)pyrene	1580
Benzo(b)fluoranthene	3600
Benzo(k)fluoranthene	1220
Indeno(1,2,3-cd)pyrene	876

Sample ID	*KR-SS-08-A*
Sample Depth	*0 feet - 0.5 feet*
Compound	Concentration (µg/kg)
1,2-Benzphenanthracene	1250
Benzo(a)anthracene	1260
Benzo(a)pyrene	1120
Benzo(b)fluoranthene	2050
Indeno(1,2,3-cd)pyrene	595

Sample ID	*KR-SB-11-A*	*SB-900-B (Duplicate)*
Sample Depth	*1 feet – 2 feet*	
Compound	Concentration (µg/kg)	
Tetrachloroethene (PCE)	1600	830 K[1]
1,2-Benzphenanthracene	1950	1900
Benzo(a)anthracene	1920	2040
Benzo(a)pyrene	1510	1500
Benzo(b)fluoranthene	2720	2910
Benzo(k)fluoranthene	947	866
Indeno(1,2,3-cd)pyrene	1090	1010

Sample ID	*KR-SS-07-A*
Sample Depth	*0 feet - 0.5 feet*
Compound	Concentration (µg/kg)
1,2-Benzphenanthracene	3590
Benzo(a)anthracene	3380
Benzo(a)pyrene	2610
Benzo(b)fluoranthene	6540
Benzo(k)fluoranthene	1470
Dibenzo(a,h)anthracene	374
Indeno(1,2,3-cd)pyrene	1350

Sample ID	*KR-SB-06-A*
Sample Depth	*18 feet – 20 feet*
Compound	Concentration (µg/kg)
Aroclor 1248	3750

Sample ID	*KR-SB-03-A*
Sample Depth	*3 feet – 4 feet*
Compound	Concentration (µg/kg)
Aroclor 1260	3750

Sample ID	*KR-SS-03-A*
Sample Depth	*0 feet - 0.5 feet*
Compound	Concentration (µg/kg)
1,2-Benzphenanthracene	6170
Benzo(a)anthracene	1520

Sample ID	*KR-SS-04-A*
Sample Depth	*0 feet - 0.5 feet*
Compound	Concentration (µg/kg)
Benzo(b)fluoranthene	1050

Sample ID	*KR-SS-02-A*
Sample Depth	*0 feet - 0.5 feet*
Compound	Concentration (µg/kg)
1,2-Benzphenanthracene	4520
Benzo(a)anthracene	4470
Benzo(a)pyrene	3070
Benzo(b)fluoranthene	6640
Benzo(k)fluoranthene	1590
Dibenzo(a,h)anthracene	451
Indeno(1,2,3-cd)pyrene	1640

Sample ID	*KR-SS-01-A*
Sample Depth	*0 feet - 0.5 feet*
Compound	Concentration (µg/kg)
1,2-Benzphenanthracene	1160
Benzo(a)anthracene	1060
Benzo(b)fluoranthene	2190
Indeno(1,2,3-cd)pyrene	851

Legend
- Surface Soil
- Subsurface Soil

0 25 50 100 Feet

Notes:
1. The K qualifier indicates that the identification of the analyte is acceptable; the reported value may be biased high.

Figure 4-1

Kingston Rail Yard Phase II Environmental Site Assessment
Kingston, NY
Organic Soil Exceedances

CDM Smith

ESTRADAL C:\Users\estradal\Desktop\TBA Projects\Kingston Rail Yard\Coordinate Info\Figure 3-1 Soil Organics Exceedances.mxd 11/10/2016

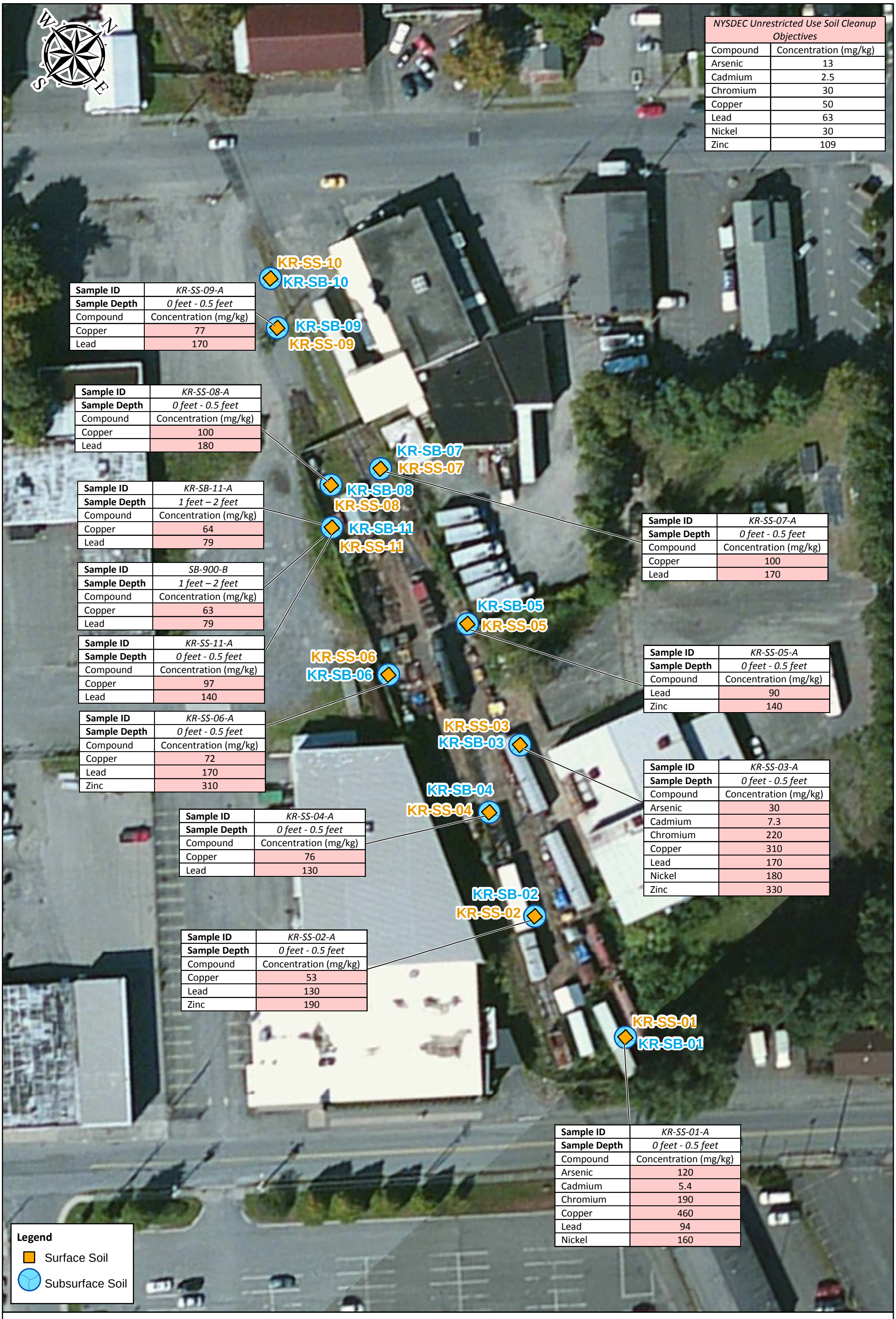


Figure 4-2

Kingston Rail Yard Phase II Environmental Site Assessment
Kingston, NY
Inorganic Soil Exceedances

CDM Smith

ESTRADAL C:\Users\estradal\Desktop\TBA Projects\Kingston Rail Yard\Coordinate Info\Figure 3-2 Soil Inorganics Exceedances.mxd 11/10/2016

NYSDEC Technical & Operational Guidance Series 1.1.1 Ambient Water Quality Standards and Guidance Values	
Compound	Concentration (µg/L)
Tetrachloroethene (PCE)	5
Trichloroethene (TCE)	5
Sodium	20000

KR-GW-03

Sample ID	*KR-GW-03-1*
Sample Depth	*20 feet – 25 feet*
Compound	Concentration (µg/L)
Tetrachloroethene (PCE)	120
Trichloroethene (TCE)	23
Sodium	58000

KR-GW-02

Sample ID	*KR-GW-02-1*	*GW-900-1 (Duplicate)*
Sample Depth	*20 feet – 25 feet*	
Compound	Concentration (µg/L)	
Tetrachloroethene (PCE)	180	170
Trichloroethene (TCE)	24	24
Sodium	84000	84000

KR-GW-01

Sample ID	*KR-GW-01-1*
Sample Depth	*20 feet – 25 feet*
Compound	Concentration (µg/L)
Tetrachloroethene (PCE)	4.2
Trichloroethene (TCE)	14
Sodium	88000

Legend

Groundwater

0 25 50 100 Feet

Figure 4-3

Kingston Rail Yard Phase II Environmental Site Assessment
Kingston, NY
Organic and Inorganic Groundwater Exceedances

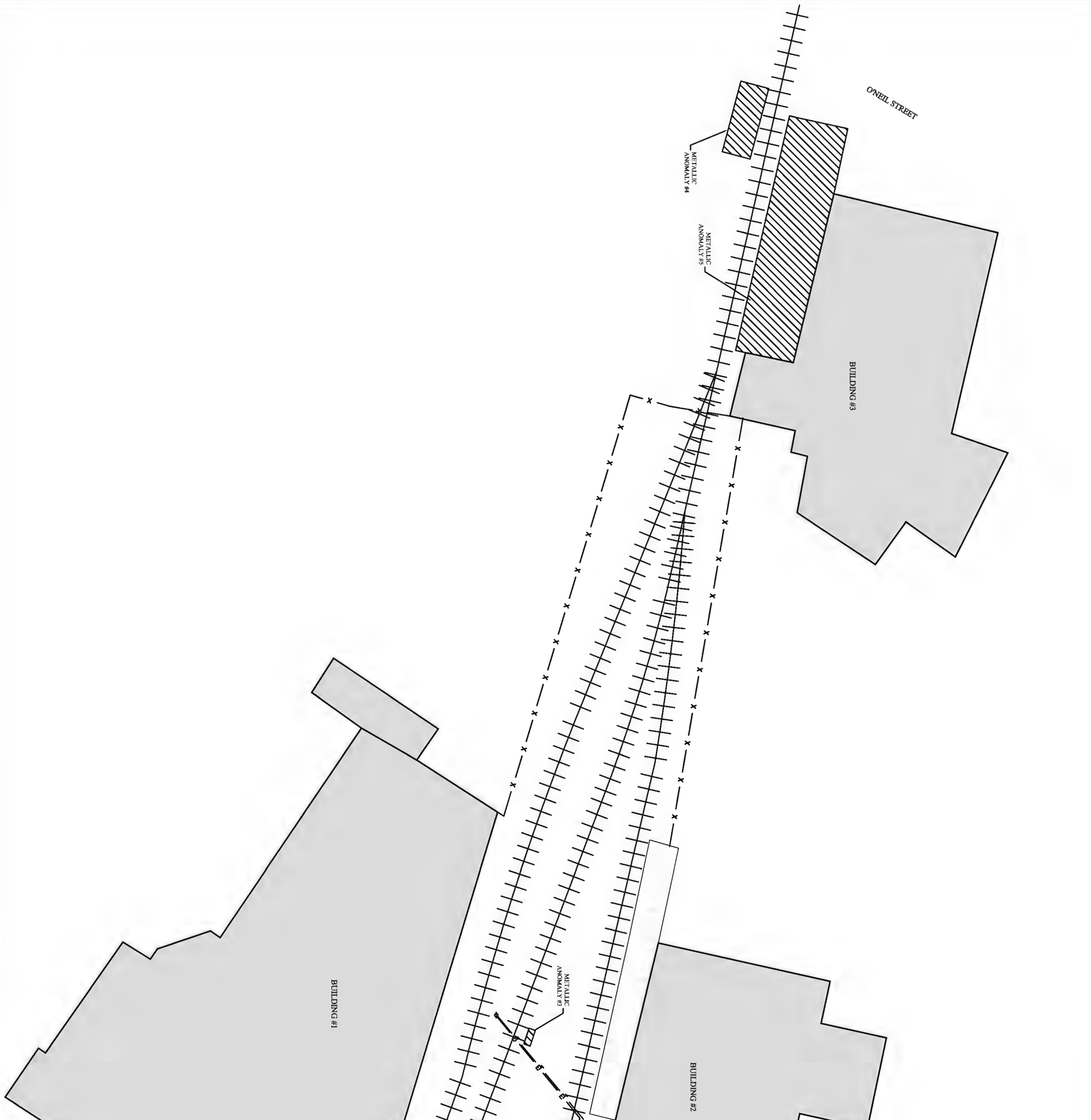
CDM Smith

ESTRADAL C:\Users\estradal\Desktop\TBA Projects\Kingston Rail Yard\Coordinate Info\Figure 3-3 GW Organics Exceedances.mxd 11/10/2016

Appendices

Appendix A

Appendix A
Geophysical Investigation Report



NOTES:

This site plan was produced from data positioned by differential GPS measurments collected in the field. Due to the errors normally present in DGPS data, this document is not intended or represented to be of survey precision. Caution should be used in all field measurments based on this site plan.

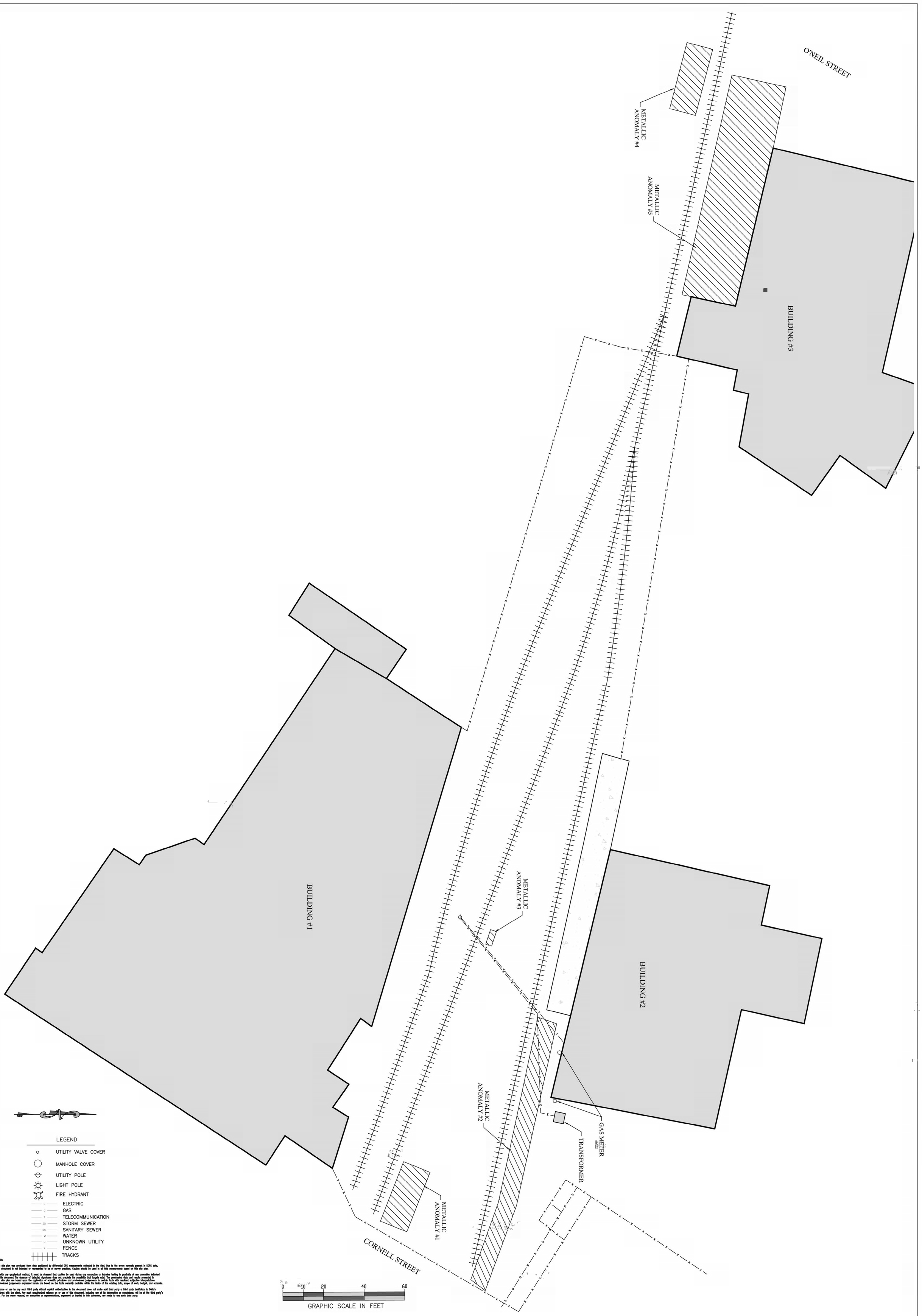
As with any geophysical method, it must be stressed that caution be used during any excavation or intrusive testing in proximity of any anomalies indicated in this document The absence of detected signatures does not preclude the possibility that targets exist. The geophysical data and results presented in this site plan are based upon the application of scientific principles and professional judgements to certain facts with resultant subjective interpretations. Professional judgements expressed herein are based on the facts currently available within the limits of the existing data, scope of work, budget, and schedule.

Reliance or use by any such third party without explicit authorization in the document does not make said third party a third party beneficiary to Delta's contract with the client. Any such unauthorized reliance on or use of this document, including any of its information or conclusions, will be at the third party's risk. For the same reasons, no warranties or representations, expressed or implied in this document, are made to any such third party.

DATE	06/13/16
SCALE	1" = 50'
DWG NO.	061316
SHT NO.	1 OF 1
PROJECT.	

GEOPHYSICAL INVESTIGATION
FORMER KINGSTON ROAL YARD, KINGSTON, NEW YORK
FOR
CDM SMITH

DELTA Geophysics Inc.
738 Front Street, Catasauqua, PA 18032
Phone: (610) 231-3701



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PROJECT NO.

SHEET NO. 1 OF 1

DRAWING NO. 061316

SCALE 1" = 30'

DATE 06-13-16

CHECKED BY

DRAWN BY MIKE MESAROS

GEOPHYSICAL INVESTIGATION
FORMER KINGSTON RAIL YARD, KINGSTON, NEW YORK
FOR
CDM SMITH

DELTA Geophysics Inc.
738 Front Street, Catasauqua, PA 18032
Phone: (610) 231-73012

DATE	DESCRIPTION	REV.
	REVISIONS	

DELTA Geophysics Inc.

GEOPHYSICAL INVESTIGATION REPORT

SITE LOCATION:

Former Kingston Rail Yard,
Kingston, New York

PREPARED FOR:

CDM Smith
6800 Old Collamer Road
East Syracuse, New York 13057

PREPARED BY:

Mike Mesaros
Delta Geophysics Inc.
738 Front Street
Catasauqua, PA 18032

June 21, 2016

Delta Geophysics, Inc. (Delta) is pleased to provide the results of the geophysical survey conducted at the Former Kingston Rail Yard, Kingston, New York.

1.0 INTRODUCTION

On June 13th, 2016 Delta Geophysics personnel performed a limited geophysical investigation at the Former Kingston Rail Yard, Kingston, New York. The area of interest was all accessible areas in close proximity to client proposed soil borings and temporary well points. CDM Smith had proposed seven soil borings and three soil boring / temporary well points throughout the site at the time of the survey. Subsurface conditions were unknown.

2.0 SCOPE OF WORK

The survey was conducted to locate and mark detectable underground utilities in close proximity to client proposed soil boring locations. A secondary objective was to investigate the subsurface for anomalous features consistent with UST's, buried drums, and any other unknown metallic features.

3.0 METHODOLOGY

Selection of survey equipment is dependent site conditions and project objectives. For this project the technician utilized the following equipment to survey the area of concern:

- Geophysical Survey Systems Inc. SIR-3000 cart-mounted Ground Penetrating Radar (GPR) unit with a 400 Mhz antenna.
- Radiodetection RD7000 precision utility locator.
- Fisher M-Scope TW-6 pipe and cable locator.

Ground penetrating radar (commonly called GPR) is a geophysical method that has been developed over the past thirty years for shallow, high-resolution, subsurface investigations of the earth. GPR uses high frequency pulsed electromagnetic waves (generally 10 MHz to 1,000 MHz) to acquire subsurface information. Energy is propagated downward into the ground and is reflected back to the surface from boundaries at which there are electrical property contrasts. GPR is a method that is commonly used for environmental, engineering, archeological, and other shallow investigations.

The GSSI SIR-3000 GPR can accept a wide variety of antennas which provide various depths of penetration and levels of resolution. The 400 MHz antenna can achieve depths of penetration up to about 20 feet, but this depth may be greatly reduced due to site-specific conditions. Signal penetration decreases with increased soil conductivity. Conductive materials attenuate or absorb the GPR signal. As depth increases the return signal becomes weaker. Penetration is the greatest in unsaturated sands and fine gravels. Clayey, highly saline or saturated soils, areas covered by steel reinforced concrete, foundry slag, of other highly conductive materials significantly reduces GPR depth of penetration.

The GPR was configured to transmit to a depth of approximately 10 feet below the subsurface, but actual signal penetration was limited to approximately 1-2 feet below ground surface (bgs). The limiting factor was signal attenuation from near surface soils.

The RD7000 precision utility locator uses radio emission to trace the location of metal bearing utilities. This radio emission can be active or passive. Active tracing requires the attachment of a radio transmitter to the utility, passive tracing uses radio emissions that are present on the utility. Underground electrical utilities typically emit radio signals that this device can detect.

The TW-6 is designed to find pipes, cables and other metallic objects such as underground storage tanks. One surveyor can carry both the transmitter and receiver together, making it ideally suited for exploration type searches of ferrous metal masses. Metal detectors of this type operate by generating a magnetic field at the transmitter which causes metallic objects in the subsurface to generate a secondary magnetic field. The induced secondary field is detected by the receiver, which generates an audible tone equal to the strength of the secondary field.

4.0 SURVEY FINDINGS

All accessible areas in close proximity to client proposed soil borings were examined during this investigation. Each location was examined with the RD7000 for potential subsurface utilities then surveyed with GPR and TW-6 for other potential anomalies. Based on the data gathered, five metallic anomalies were detected on the subject property.

Metallic Anomaly #1

Metallic Anomaly #1 was located with TW-6. The anomaly measures approximately 31 feet by 14 feet. It is located adjacent to the entrance to the property along Cornell Street. GPR transects did not image the anomaly. Metallic Anomaly #1 is consistent with conductive soils.

Metallic Anomaly #2

Metallic Anomaly #2 was located with TW-6 and confirmed with GPR. The anomaly is approximately 6 feet wide and runs the entire length of the northeast portion of the property. GPR transects imaged two shallow features traversing parallel to each other. Metallic Anomaly #2 is consistent with a former rail spur.

Metallic Anomaly #3

Metallic Anomaly #3 was located with TW-6 and confirmed with GPR. The anomaly measures approximately 7 feet by 3 feet. It is located approximately 15 feet north of the utility pole centrally located in the property. GPR transects imaged disturbed soils. Metallic Anomaly #3 is consistent with metal debris.

Metallic Anomaly #4

Metallic Anomaly #4 was located with TW-6. The anomaly measures approximately 33 feet by 13 feet. It is located adjacent and east of O'Neil Street and south of the rail spur. GPR transects did not image the anomaly. Metallic Anomaly #4 is consistent with conductive soils.

Metallic Anomaly #5

Metallic Anomaly #5 was located with TW-6. The anomaly measures approximately 100 feet by 25 feet. It is located south of building #3 and north of the rail spur. GPR transects did not image the anomaly; however, a portion of a former rail spur was observed protruding from the ground adjacent to building #3. Metallic Anomaly #5 may be a continuation of the potential former rail spur or spurs from Metallic Anomaly #2.

Utility Survey

Delta performed a utility survey across the client specified area. The following utilities were identified: electrical conduits, telecommunication, and natural gas. All utilities were marked onsite with appropriate colors. Anomalous features were marked onsite in pink paint.

A site map (061316) is included with all located subsurface features.

5.0 SURVEY LIMITATIONS

GPR depth of penetration was limited to approximately 1-2 feet bgs. The limiting factor was due to conductive soils. Two natural gas meters were observed adjacent to building #2. Delta was not able to detect the gas lines associated due to their depth and / or physical characteristics. According to the client provided site plan: Figure 1 Phase II Sampling Locations, the property line extends north beyond the fence located east of building #3 for approximately 30 feet. This area was not accessible to Delta personnel at the time of the survey.

6.0 WARRANTIES AND DISCLAIMER

As with any geophysical method, it must be stressed that caution be used during any excavation or intrusive testing in proximity to any anomalies indicated in this report. In addition, the absence of detected signatures does not preclude the possibility that targets may exist. To the extent the client desires more definitive conclusions than are warranted by the currently available facts; it is specifically Delta's intent that the conclusions stated herein will be intended as guidance.

This report is based upon the application of scientific principles and professional judgment to certain facts with resultant subjective interpretations. Professional judgments expressed herein are based on the facts currently available within the limit or scope of work, budget and schedule. Delta represents that the services were performed in a manner consistent with currently accepted professional practices employed by geophysical/geological consultants under similar circumstances. No other representations to Client, express or implied, and no warranty or guarantee is included or intended in this agreement, or in any report, document, or otherwise.

This report was prepared pursuant to the contract Delta has with the Client. That contractual relationship included an exchange of information about the property that was unique and between Delta and its client and serves as the basis upon which this report was prepared. Because of the importance of the understandings between Delta and its client, reliance or any use of this report by anyone other than the Client, for whom it was prepared, is prohibited and therefore not foreseeable to Delta.

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Appendix B

Appendix B
Field Log Book and Equipment Calibrations Forms

GENERAL EQUIPMENT CALIBRATION LOG
Kingston Rail Yard
Kingston, New York

Instrument (make/model/serial #): YSI 6920 Manufacturer: YSI Rental Company: PINE

Upon receipt, all parts are included and this instrument is in working order: JE 6/16/16 (signature/date)

Calibration Date	Initial Setting	Standard/ Gas Used (Concentration)	Lot Control No. Expiration Date	Adjustments Made	Final Reading	Comments Pass/Fail	Signature
6/16/16	3.60	pH/4.0	6/20		4.0 SU	✓	JE
	8.61	pH/7.0	2/18		7.0 SU	✓	JE
	0.3	TURB 0.0	12/16		0.0 SU	✓	JE
	110.3	TURB 126.0	1/20		126.7 SU	✓	JE
	1.397	Cond 1.413 SpCond	7/17		1.413 ms/cm	✓	JE
	101.2%	DO/100%	—		100.2%	✓	JE
	222	ORP 240mV	3/17		240 mV	✓	JE

CDM Smith

Instrument Calibration Log -MultiRAE + (4 gas + PID)

Kingston Rail Yard

Kingston, New York

Calibration Completed By	Date	Rental Company	Rental Company Number	Instrument Serial Number	Time Instrument On[1]	Warm Up 5 to 10 Minutes[2]
LE	6/14/16	PINE		—		

Calibration Gas	Manufacturer	Lot No./Expiration Date	Concentration(s)
ISOBUTYLENE	RAE	CM-247-100-17 3/17	CO: H_2S: LEL: O_2:
			Isobutylene: 100 ppm VOC

Fresh Air Calibration	Carbon Monoxide (CO) Reading	VOC[3] Reading (zero)	H_2S Reading (zero)	LEL Reading (zero)	Oxygen (O_2)
Expected Reading[4]	Zero	Zero	Zero	Zero	20.9%
Actual Reading					

Multiple Sensor Calibration	CO Reading	H_2S Reading	LEL Reading	O_2 Reading	VOC Sensor Calibration	VOC Reading
Expected Reading[5]					Expected Reading	
Actual Reading					Actual Reading	

Instrument OK? YES (Calibration Completed) NO (Problem with instrument, detail in comments)

Calibration Check[6]	Completed (Circle one): YES NO		
Time:	Date:	Calibration Completed By:	
Calibration Gas	Same as Above (Circle one)? YES NO (IF NO COMPLETE INFORMATION BELOW)		
	Manufacturer	Lot No./Expiration Date	Concentration(s)
			CO: H_2S: LEL: O_2:
			Isobutylene:

[1] Note time instrument is turned on for initial warm up

[2] While instrument is warming up, make sure inlet tubing is connected to a hydrophobic filter and fill one Tedlar bag with isobutylene and one with four gas mix

[3] VOC – volatile organic compounds, H_2S – hydrogen sulfide, LEL – lower explosive limit

[4] Instruments should read zero after fresh air calibration is complete, write down actual readings below headings

[5] Write concentration from calibration gas on this line

[6] Complete at the end of the day

CDM Smith

Location Kingston NY Date 6-14-16

Project / Client Kingston Railyard

DATE

7:40 A. Ricky, L. Estrada, C. Meehan (COM Smith) on site
Weather: Sunny 60°F
8:00 Talon drilling (2 personnel) onsite
8:10 Health and safety talk - potential contaminants of concern, ppe
815 Pine did not deliver PID. AR contacted Tonya Bennett and Karen Whalen. AR contacted Pine. Determined FedEx did not deliver PIDs. Awaiting delivery to Albany COM office. Also have Pine delivering a PID to site from NJ.
9:30 Called KW to see if we can proceed with advancing cores and not opening macrocores. KW to call B. MacDonald.
1030 KW called and said to go ahead and start collecting surface soil samples.
1040 Collect KR-SS-01 CLP # BD203 sample is dry brown silty soil
1100 Collect KR-SS-02-A CLP # BD204 Soft sandy top soil, some moisture.
1115 Collect KR-SS-03-A CLP# BD205 Soft, moist top soil. Strong Odor.
Desintegrating "geotextile" fabric.

Ari Rus 6/14/ Pete in the Rain

Location Kingston NY Date 6-14-16

Project / Client Kingston Rail Yard

Drillers had to advance again to obtain volume for sample, second 10-15' core
1415 Begin drilling at SB-06
TP-01 well point screened from 20-25 ft
1440 Collect KR-SB-06-A 18-20 ft bgs
had to retrieve second core for sample volume
1510 Begin drilling at SB-10
1520 Collect KR-SS-10-A
surface soil collected from 6in - 1 ft
because top 6 inch was rock and gravel
1540 Collect KR-SB-10 21-22 ft
1550 A. Reilly offsite to retrieve L. Estrada and C. Meehan packing samples
1605 A. Reilly on site
1620 Talon offsite
1630 KR-SS-11-A collected earlier by C. Meehan
Daily summary: collected 10 surface soil samples and 3 subsurface soil. Three temporary well points were installed, each screened 20-25 ft bgs
1640 A. Reilly offsite. L. Estrada and C. Meehan preparing samples for shipment
1815 L. Estrada and C. Meehan offsite for the day

Received 6/14/16 [illegible]

Location Kingston NY Date 6-15-16

Project / Client Kingston Rail Yard

7:00 A. Kielly (CA Smith) On site
weather: sunny 62° F
Calibrated PID - 100 ppm isobutylene - 10.1 ppm
7.30 L. Estrada & C. Meehan (CA Smith) and Talon drilling on site
Health and safety meeting - Heat exhaustion
8:05 Begin drilling at KR-SB-02
CM and LE to begin developing wells
SB-02 lithology in separate boring log
815 Collect KR-SB-02 at 2-3 ft bgs
830 Begin drilling at KR-SB-03
845 Collect KR-SB-03 at 3-4 ft + MS/MSD
Collected one additional 0-5 core
905 Begin drilling at KR-SB-04
920 Collect KR-SB-04-A 6-7 ft bgs
Slight petroleum odor observed
930 Spoke with KW about vials with missing spin bars. Not enough to collect the twelfth boring. KW agreed to omit 12th boring may investigate conductive soil area near SB-01 and SB-02
935 AR offsite to get ice
950 AR return to site
CM completed development of GW-03
6/15/16

Location Kingston NY Date 6-15-16

Project / Client Kingston Rail Yard

1000 Begin drilling at KR-SB-05
CM begin to develop GW-06
1015 Collect KR-SB-05-A 5-6 ft bgs
1030 Begin drilling KR-SB-07-A
1045 Collect KR-SB-07-A 4-5 ft bgs
1050 Collect duplicate SB-900A
1110 Begin drilling KR-SB-08
1120 Collect KR-SB-08 at 7-8 ft bgs PID 0.4 ppm
1140 Begin drilling SB-11
1155 Collect KR-SB-11-A @ 1-2 ft bgs PID 1.4 ppm
1200 Collect SB-900-B duplicate
1200 Talon offsite for lunch
1245 Mob at KR-SB-09 outside fence area is hard, gravel and asphalt
1250 Collect KR-SB-09
CM completed development of GW-10
1310 Collect KR-SB-09A 4-5 ft bgs
1350 Talon offsite
Preparing samples for shipment
1540 A. Kielly offsite
1630 L. Estrada and C. Meehan offsite to [illegible]
Another visitor
Rain in the Rain

Location Kingston NY Date 6/16/16

Project / Client Kingston Rail Yard

8:15 L. Estrada and C. Meehan onsite
8:45 Talon drilling (2 person crew) onsite
9:00 A. Rielly on site
Weather: 60° F cloudy
9:20 CM begin sampling GW-01
SLR low flow sheets for parameter
945 Collect trip blank sample TB-01
1030 A. Rielly & L. Estrada to GPS sample locs:

KR-SB-01 / KR-GW-01
LAT: 41.930558
LONG: -74.002482

KR-SB-02
LAT: 41.930580
LONG -74.002830

KR-SB-03
LAT 41.930758
LONG -74.003148

KR-SB-04
LAT 41.930641
LONG -74.003079

KR-SB-05
LAT 41.930829
LONG -74.003437

KR-SB06 / KR-GW-02
LAT 41.930669
LONG -74.003471

KR-SB-11
LAT 41.930765
LONG -74.003911

KR-SB-07
LAT 41.930895
LONG -74.003838

KR-SB-08
LAT 41.930813
LONG 74.003586

KR-SB-09
LAT 41.9309124
LONG -74.004239

6/16/16

Location Kingston NY Date 6/16/16

Project / Client Kingston Rail Yard

KR-SB-10 / KR-GW-03
LAT 41.930972
LONG -74.004335
1105 Collect FB-GW-B
Sample KR-GW-01 collected at 10:00 + MS/MSD
1200 Collected KR-GW-02 + duplicate
1400 Collected KR-GW-03
Talon pulled all three temporary wells
Three drums on site, one water, one soil and one well casings, tubing
1440: Talon off site
1445 Packaging samples for shipment / bagging ice.
17.00 A. Rielly, L. Estrada and C. Meehan off site. L. Estrada and C. Meehan to FedEx to drop samples Return to Albany.

6/16/16

Appendix C

Appendix C
Photographic Documentation

Kingston Rail Yard – Kingston, NY









Kingston Rail Yard – Kingston, NY






6/15/16
SB-02
0-5
5-10
10-15
KINGSTON RAILYARD


6/15/16
SB-08
5-10
KINGSTON RAILYARD








#1
SOIL
USEPA
KINGSTON RAILYARD
Alison Devine
212-637-4154



Appendix D

Appendix D
Soil Boring and Temporary Well Construction Logs

CDM Smith

Raritan Plaza I
110 Fieldcrest Ave, 6th Floor
Edison, New Jersey 08837

Boring Name: KR-SB-01/KR-GW-01

Client: USEPA
Project Location: Kingston, NY
Project Name: Kingston Rail Yard TBA
Project Number:

Drilling Contractor: Talon
Drilling Method: DPT
Sample Method: ~~DPT~~ Composite
Drilling Date: 6/14/16
North:
East:
Surface Elevation (ft amsl):
Total Depth: 25
Depth to Initial Water Level (ft bgs):
Field Screening Instrument: MINIRAE PID
Logged by: AR

Depth (ft. bgs)	Sample Number	Blows per 6 inches	Sample Interval (ft)	Recovery (ft)	OVM Reading (ppm)	Graphic Log	Material Description
5				2	5.3 7.1		dry, brown silty sand
10				3	7.3 2.4 43.8		brown sand, loose, dry
15	KR-SB-01-A 14-15' bgs			5	27.8 7.3 32.7 45.2 64.5		brown sand
20				5	17.8 28.2 24.5 13.0 1.3		dry, loose brown sand firmer, brown sand, some med sized grey rocks loose, dry brown sand wet @ ~ 19 ft

Remarks:

CDM Smith
Raritan Plaza I
110 Fieldcrest Ave, 6th Floor
Edison, New Jersey 08837

Boring Name: KR-SB-01/KR-GW-01

Client: USEPA
Project Location: Kingston NY
Project Name: Kingston Rail Yard TBA
Project Number:

Drilling Contractor: Talon
Drilling Method: DPT
Sample Method: composite
Drilling Date: 6/14/16
North:
East:
Surface Elevation (ft amsl):
Total Depth: 25
Depth to Initial Water Level (ft bgs):
Field Screening Instrument: MiniRAE PID
Logged by:

Depth (ft. bgs)	Sample Number	Blows per 6 inches	Sample Interval (ft)	Recovery (ft)	OVM Reading (ppm)	Graphic Log	Material Description
20				4	18.8 19.2 27.7 34.5		Wet brown sand bottom foot harder packed temp well point installed Screen 20-25 ft bgs
25							

Remarks:

CDM Smith

Raritan Plaza I
110 Fieldcrest Ave, 6th Floor
Edison, New Jersey 08837

Page of

Boring Name: KR-SB-02

Client: USEPA
Project Location: Kingston NY

Project Name: Kingston Rail Yard TBT
Project Number:

Drilling Contractor: Talon
Drilling Method: DPT
Sample Method: Composite
Drilling Date: 6/15/16
North:
East:

Surface Elevation (ft amsl):
Total Depth: 15
Depth to Initial Water Level (ft bgs):
Field Screening Instrument: MiniRAE
Logged by: JR

Depth (ft. bgs)	Sample Number	Blows per 6 inches	Sample Interval (ft)	Recovery (ft)	OVM Reading (ppm)	Graphic Log	Material Description
					0		1' black silty sand with metallic flecks
	KR-SB-02-A 2-3 ft			4	0.2		brown silty sand
5					0		
							brown silty sand
				4	0		brown silty sand, small gravel
10							
							firmer, silty brown sand
				4	0		silty brown sand, small gravel, some small rocks
15							

Remarks:

CDM Smith

Raritan Plaza I
110 Fieldcrest Ave, 6th Floor
Edison, New Jersey 08837

Page of

Boring Name: KR-SB-03

Client: USEPA
Project Location: Kingston NY

Project Name: Kingston Rail Yard TBA
Project Number:

Drilling Contractor: Talon
Drilling Method: DPT
Sample Method: Composite
Drilling Date: 6/15/16
North:
East:

Surface Elevation (ft amsl):
Total Depth: 15
Depth to Initial Water Level (ft bgs):
Field Screening Instrument: MiniRAE PID
Logged by: AR

Depth (ft. bgs)	Sample Number	Blows per 6 inches	Sample Interval (ft)	Recovery (ft)	OVM Reading (ppm)	Graphic Log	Material Description
					1.5		6" grey rock
				3	2.8		brown silty sand
	KR-SB-03-A 3-4 ft				10.5@3ft		
5							
				3.5	0.5		brown, silty sand
10							
				4	0		brown silty sand
							silty sand, small gravel
15							

Remarks:

CDM Smith

Raritan Plaza I
110 Fieldcrest Ave, 6th Floor
Edison, New Jersey 08837

Page of

Boring Name: KR-SB-04

Client: USEPA
Project Location: Kingston NY

Project Name: Kingston Roll Yard TBA
Project Number:

Drilling Contractor: Talon
Drilling Method: DPT
Sample Method: Composite
Drilling Date: 6/15/16
North:
East:

Surface Elevation (ft amsl):
Total Depth: 15
Depth to Initial Water Level (ft bgs):
Field Screening Instrument: Mini RAE PID
Logged by: TAR

Depth (ft bgs)	Sample Number	Blows per 6 inches	Sample Interval (ft)	Recovery (ft)	OVM Reading (ppm)	Graphic Log	Material Description
				4	0		1' black, silty sand w metallic flecks firm, brown silty sand
5	KR-SB-04-A 6-7 ft			3	0		brown, silty sand, some black color on outside brown silty sand, some small gravel
10				4	0		more loose, brown silty sand moist, brown silty sand, small gravel
15							

Remarks:

CDM Smith

Raritan Plaza I
110 Fieldcrest Ave, 6th Floor
Edison, New Jersey 08837

Page of

Boring Name: KR-SB-05

Client: USEPA
Project Location: Kingston NY

Project Name: Kingston Rail Yard
Project Number:

Drilling Contractor: Talon
Drilling Method: DPT
Sample Method: Composite
Drilling Date: 6/15/16
North:
East

Surface Elevation (ft amsl):
Total Depth: 15
Depth to Initial Water Level (ft bgs):
Field Screening Instrument: MiniRAE PID
Logged by: AR

Depth (ft. bgs)	Sample Number	Blows per 6 inches	Sample Interval (ft)	Recovery (ft)	OVM Reading (ppm)	Graphic Log	Material Description
				4.5	Ø		1 ft brown silty soil, plant material, black metallic material outside dry silty brown sand
5	KR-SB-05-1 5-6 ft			4	Ø		1 ft loose, dry, brown/grey silty soil -firm, dry brown silty sand, small gravel
10				4.5	Ø		SAA
15							

Remarks:

CDM Smith

Raritan Plaza I
110 Fieldcrest Ave, 6th Floor
Edison, New Jersey 08837

Boring Name: KR-SB-06 / KR-GW-02

Client: USEPA
Project Location: Kingston NY

Project Name: Kingston Rail Yard
Project Number:

Drilling Contractor: Talon
Drilling Method: DPT
Sample Method: composite
Drilling Date: 6/14/16
North:
East:

Surface Elevation (ft amsl):
Total Depth: 20
Depth to Initial Water Level (ft bgs):
Field Screening Instrument: MiniRAE PID
Logged by: AR

Depth (ft. bgs)	Sample Number	Blows per 6 inches	Sample Interval (ft)	Recovery (ft)	OVM Reading (ppm)	Graphic Log	Material Description
5				4	0		1 ft: gray, granular, some small rock, dry silty 1ft black, granular w metallic flecks dry brown sand
10				4	0		brown sand, dry
15				4	0		brown sand, dry moist brown sand
20	KR-SB-06-A 18-20 ft			4	0 5.1 @ 18 ft		moist, brown silty sand firmer in bottom foot

Remarks:

CDM Smith

Raritan Plaza I
110 Fieldcrest Ave, 6th Floor
Edison, New Jersey 08837

Boring Name: KR-SB-06 / KR-GW-02

Client: USEPA
Project Location: Kingston NY

Project Name:
Project Number:

Drilling Contractor: Talon
Drilling Method: DPT
Sample Method: composite
Drilling Date: 6/14/16
North:
East:

Surface Elevation (ft amsl):
Total Depth: 25
Depth to Initial Water Level (ft bgs):
Field Screening Instrument: MiniRAE PID
Logged by: RA

Depth (ft. bgs)	Sample Number	Blows per 6 inches	Sample Interval (ft)	Recovery (ft)	OVM Reading (ppm)	Graphic Log	Material Description
				4			wet, silty brown sand, small gravel
25							temporary well point installed with screen 20-25' bgs

Remarks:

CDM Smith

Raritan Plaza I
110 Fieldcrest Ave, 6th Floor
Edison, New Jersey 08837

Page of

Boring Name: KR-SB-07

Client: WEPA
Project Location: Kingston NY

Project Name: Kingston Railyard TBA
Project Number:

Drilling Contractor: Talon
Drilling Method: DPT
Sample Method: Composite
Drilling Date: 6/15/16
North:
East:

Surface Elevation (ft amsl):
Total Depth: 15
Depth to Initial Water Level (ft bgs):
Field Screening Instrument: Miniature PID
Logged by: AR

Depth (ft. bgs)	Sample Number	Blows per 6 inches	Sample Interval (ft)	Recovery (ft)	OVM Reading (ppm)	Graphic Log	Material Description
				4	0		1 ft - loose, dark brown and black silty soil, plant material
					0.1		firm, dry brown silty sand
5	KR-SB-07A 4-5ft		+ duplicate				
				4	0		firm, brown silty sand w/ small gravel
10				3	0		dry brown silty sand moist brown silty sand with 4" section hard brown clay brown silty sand, small gravel
15							

Remarks:

CDM Smith

Raritan Plaza I
110 Fieldcrest Ave, 6th Floor
Edison, New Jersey 08837

Page of

Boring Name: KR-SB-08

Client: USEPA
Project Location: Kingston NY

Project Name: Kingston Rail Yard TCRA
Project Number:

Drilling Contractor: Talon
Drilling Method: DPT
Sample Method: composite
Drilling Date: 6/15/16
North:
East:

Surface Elevation (ft amsl):
Total Depth: 15
Depth to Initial Water Level (ft bgs):
Field Screening Instrument: MINIRAE PID
Logged by: AR

Depth (ft. bgs)	Sample Number	Blows per 6 inches	Sample Interval (ft)	Recovery (ft)	OVM Reading (ppm)	Graphic Log	Material Description
				4	0.2 0.2 0.1 0.2		2 ft - dark brown/black silty soil, black metallic flecks firm, dry, brown silty sand
5	KR-SB-08-1 7-8 ft			3	0.3 0.4 0.2		dry, brown silty sand, some black soil w/ metallic material
10				3	0.2		dry, brown silty sand
15							

Remarks:

CDM Smith

Raritan Plaza I
110 Fieldcrest Ave, 6th Floor
Edison, New Jersey 08837

Page of

Boring Name: KR SB-09

Client: USEA
Project Location: Kingston NY

Project Name: Kingston Rail Yard TBA
Project Number:

Drilling Contractor: Talon
Drilling Method: DPT
Sample Method: Composite
Drilling Date: 6/15/16
North:
East:

Surface Elevation (ft amsl):
Total Depth: 15
Depth to Initial Water Level (ft bgs):
Field Screening Instrument: MiniRAE PID
Logged by: AMR

Depth (ft. bgs)	Sample Number	Blows per 6 inches	Sample Interval (ft)	Recovery (ft)	OVM Reading (ppm)	Graphic Log	Material Description
				4	0		1 ft loose, black/gray soil firm, dry brown sand
5	KR-SB-09-A 4-5 ft						
				4	0		brown silty sand, some small gravel
10				5	0		brown silty sand, some gray rocks @ 11-12 ft bgs
15							

Remarks:

CDM Smith
Raritan Plaza I
110 Fieldcrest Ave, 6th Floor
Edison, New Jersey 08837

Boring Name: KR-SB-10 / KR-GW-03

Client: USEPA
Project Location: Kingston NY

Project Name: Kingston Rail Yard TBA
Project Number:

Drilling Contractor: Talon
Drilling Method: DPT
Sample Method: composite
Drilling Date: 6/14/16
North:
East:

Surface Elevation (ft amsl):
Total Depth: 25
Depth to Initial Water Level (ft bgs):
Field Screening Instrument: MiniRAE PID
Logged by: AR

Depth (ft. bgs)	Sample Number	Blows per 6 inches	Sample Interval (ft)	Recovery (ft)	OVM Reading (ppm)	Graphic Log	Material Description
				3	Ø		1 ft - white/gray rock, small gravel, brown soil dry brown sand
5				4	Ø		dry brown sand
10				4	Ø		brown sand, med. gray rock brown sand, small gravel brown silty sand, dry
15				4	Ø		brown silty sand, some gray rocks, moist brown sand w/ small gravel wet at bottom
20							

Remarks:

CDM Smith
Raritan Plaza I
110 Fieldcrest Ave, 6th Floor
Edison, New Jersey 08837

Boring Name: KR-SB-10 / KR-GW-03

Client: USEPA
Project Location: Kingston NY
Project Name: Kingston Rail Yard TBA
Project Number:

Drilling Contractor: Talon
Drilling Method: DPT
Sample Method: composite
Drilling Date: 6/14/16
North:
East:

Surface Elevation (ft amsl):
Total Depth: 25
Depth to Initial Water Level (ft bgs):
Field Screening Instrument: MiniRAE PID
Logged by:

Depth (ft. bgs)	Sample Number	Blows per 6 inches	Sample Interval (ft)	Recovery (ft)	OVM Reading (ppm)	Graphic Log	Material Description
20	KR-SB-10 21-22 ft			5	0		2 ft - moist brown silty sand wet, brown silty sand
25							temporary well point installed screen 20-25 ft bgs

Remarks:

CDM Smith
Raritan Plaza I
110 Fieldcrest Ave, 6th Floor
Edison, New Jersey 08837

Boring Name: KR SB-11

Client: USEPA
Project Location: Kingston NY

Project Name: Kingston Rail Yard
Project Number:

Drilling Contractor: Talon
Drilling Method: DPT
Sample Method: Composite
Drilling Date: 6/15/16
North:
East:

Surface Elevation (ft amsl):
Total Depth: 15
Depth to Initial Water Level (ft bgs):
Field Screening Instrument: MiniRAE PID
Logged by: ATL

Depth (ft. bgs)	Sample Number	Blows per 6 inches	Sample Interval (ft)	Recovery (ft)	OVM Reading (ppm)	Graphic Log	Material Description
	KR SB-11 1-2 ft	1		4	1.4		1 ft dry silty black soil, some black metallic material
					1.0		
					0.3		firm, silty brown sand
5					0.1		
				4	0.4		dry, silty brown sand
					0.6		
10					0.4		loose, dry brown silty sand
				4	0.5		
					0.2		silty brown sand with small gravel
15					0.2		

Remarks:

Appendix E

Appendix E
Groundwater Sampling Logs

DXW
18.4

LOW FLOW GROUNDWATER SAMPLING PURGE RECORD
Kingston Rail Yard
Kingston, NY

DATE: 6/16/16 **WELL #:** KR-GW-01

SAMPLERS: Colleen Meehan **DEPTH OF PUMP INTAKE:** 23 ft TIC or ft BGS (circle one)

WEATHER CONDITIONS: Cloudy + windy **SCREENED/OPEN BOREHOLE INTERVAL:** 20 - 25 ft TIC or ft BGS (circle one)

SAMPLE ID: KR-GW-01-1 **SAMPLE TIME:** 1000 **SAMPLE FLOW RATE:** 200 ml/minute

CLP ID:

Instrument Type/Model: Complete and/or Circle at right					YSI Model #_____ / Horiba U-22 (circle one) Other (specify)_____					Instrument:
CURRENT TIME	VOLUME PURGED	DEPTH TO WATER	FLOW RATE	DRAWDOWN (± 0.3 FT)	pH (± 0.1 SU)	SPECIFIC CONDUCTIVITY (± 3%)	DISSOLVED OXYGEN (± 10%)	TEMP. (± 10%)	REDOX ~~ORP~~ POTENTIAL (± 10 mV)	TURBIDITY (± 10%)
24-Hour	gallons / liters (circle	ft TIC / ft BGS (circle one)	Units: ml/min	ft TIC / ft BGS	SU	S/cm, mS/cm or µS/cm (circle one)	mg/L (not %)	Units: °C	mV	NTUs
929	1.25	18.4	250		6.94	0.780	9.00	15.44	175.9	139.6
934	1.25	18.4	250	0	6.25	0.759	4.43	14.67	188.7	28.7
939	1.25	18.4	250	0	6.25	0.760	4.30	14.50	187.5	7.8
944	1.25	18.4	250	0	6.27	0.760	4.24	14.40	189.2	5.9
949	1.25	18.4	250	0	6.30	0.760	4.27	14.53	186.5	3.3
954	1.25	18.4	250	0	6.31	0.760	4.25	14.59	190.9	2.8

Drawdown is not to exceed 0.3 feet. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

Typical values: DO = 0.3 - 10 mg/L Redox Potential = -100 - +600 mV Turbidity = 0 - >500 NTUs
Spec. Conductivity (µS/cm) = 0.01 - 5,000; up to 10,000 in industrial, ~55,000 in high salt content water. Note: 1,000 µS/cm = 1 mS/cm
TIC = Top of Inner Casing BGS = Below Ground Surface

LOW FLOW GROUNDWATER SAMPLING PURGE RECORD
Kingston Rail Yard
Kingston, NY

DTW: 19.9

DATE: 6/16/16 WELL #: KR-GW-02

SAMPLERS: Colleen Meehan DEPTH OF PUMP INTAKE: 23 ft TIC or ft BGS (circle one)

WEATHER CONDITIONS: Sunny SCREENED/OPEN BOREHOLE INTERVAL: 20-25 ft TIC or ft BGS (circle one)

SAMPLE ID: KR-GW-02 SAMPLE TIME: 1200 SAMPLE FLOW RATE: 200 ml/minute

CLP ID:

Instrument Type/Model: YSI Model # 6920 / Horiba U-22 (circle one) Instrument:

Complete and/or Circle at right Other (specify)_____

CURRENT TIME	VOLUME PURGED	DEPTH TO WATER	FLOW RATE	DRAWDOWN (± 0.3 FT)	pH (± 0.1 SU)	SPECIFIC CONDUCTIVITY (± 3%)	DISSOLVED OXYGEN (± 10%)	TEMP. (± 10%)	REDOX POTENTIAL (± 10 mV)	TURBIDITY (± 10%)
24-Hour	gallons / liters (circle	ft TIC / ft BGS (circle one)	Units:	ft TIC / ft BGS	SU	S/cm, mS/cm / or µS/cm (circle one)	mg/L (not %)	Units: °C	mV	NTUs
1126	1.25	19.9	250		6.53	0.734	4.88	15.69	172.8	45.1
1131	1.25	19.9	250	0	6.16	0.730	4.02	15.06	229.3	5.3
1136	1.25	19.9	250	0	6.12	0.728	3.93	14.89	259.4	3.7
1141	1.25	19.9	250	0	6.11	0.725	3.90	14.84	282.9	2.8
1146	1.25	19.9	250	0	6.11	0.724	3.92	14.86	299.9	2.2
1151	1.25	19.9	250	0	6.13	0.724	3.78	15.17	316.3	2.5
1156	1.25	19.9	250	0	6.14	0.725	3.82	15.2	324.5	3.0

Drawdown is not to exceed 0.3 feet. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

Typical values: DO = 0.3 - 10 mg/L Redox Potential = -100 - +600 mV Turbidity = 0 - >500 NTUs
Spec. Conductivity (µS/cm) = 0.01 - 5,000; up to 10,000 in industrial, ~55,000 in high salt content water. Note: 1,000 µS/cm = 1 mS/cm
TIC = Top of Inner Casing BGS = Below Ground Surface

LOW FLOW GROUNDWATER SAMPLING PURGE RECORD
Kingston Rail Yard
Kingston, NY

DTW 19.25
TIC ~4 in AGS

DATE: 6/16/16 WELL #: KR-GW-03

SAMPLERS: AR DEPTH OF PUMP INTAKE: 23 ft TIC or ft BGS (circle one)

WEATHER CONDITIONS: SUNNY SCREENED/OPEN BOREHOLE INTERVAL: 20-25 ft TIC or ft BGS (circle one)

SAMPLE ID: KR-GW-03 SAMPLE TIME: 1400 SAMPLE FLOW RATE: 250 ml/minute

CLP ID:

1310 beam purge	Instrument Type/Model: Complete and/or Circle at right	YSI Model # 6920 / Horiba U-22 (circle one) Other (specify)_____	Instrument:

CURRENT TIME	VOLUME PURGED	DEPTH TO WATER	FLOW RATE	DRAWDOWN (± 0.3 FT)	pH (± 0.1 SU)	SPECIFIC CONDUCTIVITY (± 3%)	DISSOLVED OXYGEN (± 10%)	TEMP. (± 10%)	REDOX POTENTIAL (± 10 mV)	TURBIDITY (± 10%)
24-Hour	gallons / liters (circle	ft TIC / ft BGS (circle one)	Units:	ft TIC / ft BGS	SU	S/cm, mS/cm / or µS/cm (circle one)	mg/L (not %)	Units: °C	mV	NTUs
1315	1.25	19.25		KR 19.25 0	5.57	0.598	5.84	17.60	214.5	67.0
1320	1.25	19.25		KR 19.25 0	5.27	0.591	5.74	16.40	322.6	18.3
1325	1.25	19.25		0	5.31	0.587	5.37	16.49	376.7	7.6
1330	1.25	19.25		0	5.34	0.587	5.36	16.41	403.2	3.8
1335	1.25	19.25		0	5.45	0.585	5.34	16.51	416.7	2.7
1340	1.25	19.25		0	5.53	0.584	5.27	16.46	426.3	2.1
1345	1.25	19.25		0	5.60	0.585	5.22	16.59	430.0	2.0

Drawdown is not to exceed 0.3 feet. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

Typical values: DO = 0.3 - 10 mg/L Redox Potential = -100 - +600 mV Turbidity = 0 - >500 NTUs
Spec. Conductivity (µS/cm) = 0.01 - 5,000; up to 10,000 in industrial, ~55,000 in high salt content water. Note: 1,000 µS/cm = 1 mS/cm
TIC = Top of Inner Casing BGS = Below Ground Surface

Appendix F

Appendix F
Waste Manifests

NON-HAZARDOUS WASTE MANIFEST

Please 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.: 16088

2. Page 1 of 1

3. Generator's Name and Mailing Address
U.S. EPA REGION 2/KINGSTON RAIL YARD
290 BROADWAY, 19th FLOOR, NEW YORK, NY 10007

4. Generator's Phone (212) 637-4158 ATTN: A. DEVINE

5. Transporter 1 Company Name: FREEHOLD CARTAGE, INC.

6. US EPA ID Number: NJD 054 126 164

A. State Transporter's ID

B. Transporter 1 Phone

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
ENVIRONMENTAL RECOVERY CORP
1076 OLD MANHEIM PIKE
LANCASTER, PA 17601

10. US EPA ID Number: PAD 987 266 749

E. State Facility's ID: 301344

F. Facility's Phone: 717-393-2627

11. WASTE DESCRIPTION	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.
a. NONHAZARDOUS, NON REGULATED (SOIL CUTTINGS) APPROVAL 1607-04706-3PT	1	DM	250	P
b. NONHAZARDOUS, NON REGULATED (PURGE WATER) APPROVAL 1607-04707-LWT	1	DM	100	P
c. NONHAZARDOUS, NON REGULATED (PPE/DEBRIS) APPROVAL 1607-04705-3PT	1	DM	75	P
d.				

G. Additional Descriptions for Materials Listed Above

H. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information
SITE ADDRESS: BETWEEN CORNELL ST., ONEIL ST., AND TREMPOR AVE
KINGSTON, NY 12401

GENERATOR

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: LIA ESTRADA / CDM SMITH ON BEHALF OF USEPA

Signature: Lia Estrada

Date: Month 08 Day 26 Year 16

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Michael Bocka

Signature:

Date: Month 08 Day 26 Year 16

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Date: Month Day Year

FACILITY

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.

Printed/Typed Name

Signature

Date: Month Day Year

NON-HAZARDOUS WASTE

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FREEHOLD CARTAGE INC.

P.O. BOX 5010 • FREEHOLD, NJ 07728-5010
(732) 462-1001 • FAX (732) 308-0924

BILL OF LADING

FCI EPA ID NO. NJD054126164

S 573698

350 Pigeon Point Road
New Castle, DE 19720
Phone: (302) 658-2005
Fax: (302) 658-6229

175 Bartow Mun. Airport
Bartow, FL 33830
Phone: (863) 533-4599
Fax: (863) 533-1613

5533 Dunham Road
Maple Heights, OH 44137
Phone: (330) 835-3473
Fax: (330) 835-3732

108 Monahan Avenue
Dunmore, PA 18512
Phone: (570) 342-7232
Fax: (570) 342-7367

132 Myrtle Beach Hwy
Sumter, SC 29153
Phone: (803) 773-2611
Fax: (803) 773-2942

SHIPPER NAME/ADDRESS	PHONE (AREA CODE)	
Kingston Railyard Kingston NY	TRACTOR: 719	TRAILER: 9684

APPOINTMENT TIME		
:		

FCI REP. LOADING (PRINT)	PROCEDURE	EQUIP. SPOTTED	EQUIP. REMOVED	TIME AT SHIPPER (MILITARY TIME ONLY)	
MBracken	LTL			10 : ARRIVAL TIME	13 : DEPARTURE TIME

COMMENTS OR DELAYS AT SHIPPER	EQUIPMENT USED

BROKER:

PO#: WO#:

MANIFEST / DOCUMENT NO. 5004

	PROPER U.S. D.O.T. SHIPPING NAME	U.S. D.O.T. HAZARDOUS CLASS	NA/UN/NO.	PACKING GROUP	NO. CONT	CONT. TYPE	NET QUANTITY	UNIT MEASURE	WASTE NO.	FORM
1	16068				3	DM	(55gal)			
2										
3										

SPECIAL HANDLING INSTRUCTIONS INCLUDING CONTAINER EXEMPTION NUMBER.

SHIPPER'S CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation, U.S. EPA and the State. The materials described above were consigned to the Transporter named. The consignee can and will accept the shipment and has a valid permit to do so if required. I certify that the foregoing is true and correct to the best of my knowledge.

Payment to the contractor for waste removal does not constitute payment to the carrier and if the contractor does not pay the carrier, the shipper is obligated to pay the agreed rate offered to the contractor.

PLEASE PRINT NAME/TITLE	SHIPPER'S SIGNATURE	DATE LOADED
	X _____ I HAVE READ THE ABOVE AND UNDERSTAND AND AGREE TO ALL OF ITS CONTENT	8/26/16 MO. DAY YR.

CONSIGNEE NAME/ADDRESS	PHONE (AREA CODE)	
FRC Lancaster, Pa	TRACTOR	TRAILER

APPOINTMENT TIME		
:		

FCI REP. UNLOADING (PRINT)	PROCEDURE	EQUIP. SPOTTED	EQUIP. REMOVED	TIME AT CONSIGNEE (MILITARY TIME ONLY)	
				: ARRIVAL TIME	: DEPARTURE TIME

COMMENTS OR DELAYS AT CONSIGNEE	EQUIPMENT USED

PLEASE PRINT NAME/TITLE	CONSIGNEE SIGNATURE	DATE UNLOADED
	X _____	/ / MO. DAY YR.

AR H-0257	MD HWH-167 2001-OPV-2335	MO H-1490	OH UPW-0190713-OH	TX 40705
CT CT-HW-307	ME ME-HWT-47 ME-WOT-47	ND WH-429	OK UPW-0190713-OH	WI 11602
DE DE-HW-203 DE-SW-203	MI UPW-0190713-OH	NH TNH-0047	ONTARIO, CANADA A 840943	WV UPW-0190713-OH
IL UPW-0190713-OH	MN UPW-0190713-OH	NJ S-2265 15939	PA PA-AH-0067	
MA MA-294		NY NJ-113	QUEBEC, CANADA QC-6ML-047	
			RI RI-535	

White - FCI Original
Yellow - FCI Billing
Blue - FCI Office/Customer
Green - Retained by TSDF
Gold - Retained by Generator

S 573698

Appendix G

Appendix G
Data Validation

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 2 Laboratory
2890 Woodbridge Avenue
Edison , New Jersey 08837
732-906-6886 Phone
732-906-6165 Fax

July 27, 2016

Scott Kirchner
CDM Smith
110 Fieldcrest Avenue, 6th Floor
Edison, NJ 08837

RE: Kingston Rail Yard - 1606029

Enclosed are the results of analyses for samples received by the laboratory between 6/15/2016 and 6/17/2016. The signature below reflects the laboratory's approval of the reported results. If you have any questions concerning this report, please refer to Project Number 1606029 and contact the laboratory.

Sincerely,

John R. Bourbon
Chief, DESA/LB

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 2 Laboratory

Project: Kingston Rail Yard - 1606029

Project Number: 1606029

Project: Kingston Rail Yard - 1606029

Project Number: 1606029

SUMMARY REPORT FOR SAMPLES

Field ID	Laboratory ID	Matrix	Date Sampled	Date Received
KR-SS-01-A	1606029-01	Solid	06/14/2016 10:40	06/15/2016 11:00
KR-SS-02-A	1606029-02	Solid	06/14/2016 11:00	06/15/2016 11:00
KR-SS-03-A	1606029-03	Solid	06/14/2016 11:15	06/15/2016 11:00
KR-SS-04-A	1606029-04	Solid	06/14/2016 12:00	06/15/2016 11:00
KR-SS-05-A	1606029-05	Solid	06/14/2016 12:15	06/15/2016 11:00
KR-SS-06-A	1606029-06	Solid	06/14/2016 12:20	06/15/2016 11:00
KR-SS-07-A	1606029-07	Solid	06/14/2016 13:40	06/15/2016 11:00
KR-SS-08-A	1606029-08	Solid	06/14/2016 13:45	06/15/2016 11:00
KR-SS-10-A	1606029-09	Solid	06/14/2016 15:20	06/15/2016 11:00
KR-SS-11-A	1606029-10	Solid	06/14/2016 14:30	06/15/2016 11:00
KR-SB-01-A	1606029-11	Solid	06/14/2016 13:45	06/15/2016 11:00
KR-SB-06-A	1606029-12	Solid	06/14/2016 14:40	06/15/2016 11:00
KR-SB-10-A	1606029-13	Solid	06/14/2016 15:40	06/15/2016 11:00
KR-SB-02-A	1606039-01	Solid	06/15/2016 08:15	06/16/2016 11:00
KR-SB-03-A	1606039-02	Solid	06/15/2016 08:45	06/16/2016 11:00
KR-SB-04-A	1606039-03	Solid	06/15/2016 09:20	06/16/2016 11:00
KR-SB-05-A	1606039-04	Solid	06/15/2016 10:15	06/16/2016 11:00
KR-SB-07-A	1606039-05	Solid	06/15/2016 10:45	06/16/2016 11:00
KR-SB-08-A	1606039-06	Solid	06/15/2016 11:20	06/16/2016 11:00
SB-900-A	1606039-07	Solid	06/15/2016 10:50	06/16/2016 11:00
KR-SB-09-A	1606039-08	Solid	06/15/2016 13:10	06/16/2016 11:00
KR-SB-11-A	1606039-09	Solid	06/15/2016 11:55	06/16/2016 11:00
KR-SS-09-A	1606039-10	Solid	06/15/2016 12:50	06/16/2016 11:00
SB-900-B	1606039-11	Solid	06/15/2016 12:00	06/16/2016 11:00
FB-SB-A	1606039-12	Aqueous	06/15/2016 12:30	06/16/2016 11:00
FB-GW-B	1606044-01	Aqueous	06/16/2016 11:05	06/17/2016 10:30
GW-900-1	1606044-02	Aqueous	06/16/2016 12:00	06/17/2016 10:30
KR-GW-01-1	1606044-03	Aqueous	06/16/2016 10:00	06/17/2016 10:30



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 2 Laboratory

Project: Kingston Rail Yard - 1606029

Project Number: 1606029

SUMMARY REPORT FOR SAMPLES

Field ID	Laboratory ID	Matrix	Date Sampled	Date Received
KR-GW-02-1	1606044-04	Aqueous	06/16/2016 12:00	06/17/2016 10:30
KR-GW-03-1	1606044-05	Aqueous	06/16/2016 14:00	06/17/2016 10:30
TB-01	1606044-06	Aqueous	06/16/2016 09:45	06/17/2016 10:30

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 2 Laboratory

Project: Kingston Rail Yard - 1606029

Project Number: 1606029

SUMMARY REPORT FOR METHODS

Analysis	Method	Certification	Matrix
E-Metals ICP TAL	EPA 200.7 SOP C-109 Rev3.3	NELAP	Aqueous
E-Metals ICP TAL	EPA 200.7 SOP C-109 Rev3.3	NELAP	Solid
E-SVOA TCL	EPA 625 SOP C-90 Rev 3.5		Aqueous
E-SVOA TCL	EPA 625 SOP C-90 Rev 3.5		Solid
VOA Low Level Soil	SOM 2.2 SOP C-123 Rev2.5	NELAP	Solid
VOA Trace/SF	EPA DW-1 Rev 2.4	NELAP	Aqueous

Project: Kingston Rail Yard - 1606029

Project Number: 1606029

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SS-01-A				Sample ID: 1606029-01	
Metals ICP					
Aluminum	2800		17	mg/kg dry	
Antimony	12		3.3	mg/kg dry	
Arsenic	120		1.3	mg/kg dry	
Barium	92		17	mg/kg dry	
Beryllium	0.66		0.50	mg/kg dry	
Cadmium	5.4		0.50	mg/kg dry	
Calcium	2300		83	mg/kg dry	
Chromium	190		0.83	mg/kg dry	
Cobalt	35		3.3	mg/kg dry	
Copper	460		1.7	mg/kg dry	
Iron	350000		83	mg/kg dry	
Lead	94		1.3	mg/kg dry	
Magnesium	350		83	mg/kg dry	
Manganese	1300		0.83	mg/kg dry	
Nickel	160		3.3	mg/kg dry	
Potassium	410		83	mg/kg dry	
Selenium	31		3.3	mg/kg dry	
Silver	---	U	0.83	mg/kg dry	
Sodium	410		170	mg/kg dry	
Thallium	---	U	3.3	mg/kg dry	
Tin	34		1.7	mg/kg dry	
Vanadium	27		3.3	mg/kg dry	
Zinc	70		3.3	mg/kg dry	
Field ID: KR-SS-02-A				Sample ID: 1606029-02	
Metals ICP					

Project: Kingston Rail Yard - 1606029

Project Number: 1606029

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SS-02-A				Sample ID: 1606029-02	
Metals ICP					
Aluminum	6000		8.2	mg/kg dry	
Antimony	1.7		1.6	mg/kg dry	
Arsenic	9.7		0.66	mg/kg dry	
Barium	53		8.2	mg/kg dry	
Beryllium	0.38		0.25	mg/kg dry	
Cadmium	0.68		0.25	mg/kg dry	
Calcium	10000		41	mg/kg dry	
Chromium	12		0.41	mg/kg dry	
Cobalt	7.4		1.6	mg/kg dry	
Copper	53		0.82	mg/kg dry	
Iron	19000		4.1	mg/kg dry	
Lead	130		0.66	mg/kg dry	
Magnesium	2000		41	mg/kg dry	
Manganese	400		0.41	mg/kg dry	
Nickel	16		1.6	mg/kg dry	
Potassium	410		41	mg/kg dry	
Selenium	---	U	1.6	mg/kg dry	
Silver	---	U	0.41	mg/kg dry	
Sodium	---	U	82	mg/kg dry	
Thallium	---	U	1.6	mg/kg dry	
Tin	6.1		0.82	mg/kg dry	
Vanadium	14		1.6	mg/kg dry	
Zinc	190		1.6	mg/kg dry	
Field ID: KR-SS-03-A				Sample ID: 1606029-03	
Metals ICP					
Aluminum	2000		11	mg/kg dry	

Project: Kingston Rail Yard - 1606029

Project Number: 1606029

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SS-03-A				Sample ID: 1606029-03	
Metals ICP					
Antimony	7.1		2.1	mg/kg dry	
Arsenic	30		0.86	mg/kg dry	
Barium	45		11	mg/kg dry	
Beryllium	---	U	0.32	mg/kg dry	
Cadmium	7.3		0.32	mg/kg dry	
Calcium	7700		54	mg/kg dry	
Chromium	220		0.54	mg/kg dry	
Cobalt	23		2.1	mg/kg dry	
Copper	310		1.1	mg/kg dry	
Iron	170000		54	mg/kg dry	
Lead	170		0.86	mg/kg dry	
Magnesium	770		54	mg/kg dry	
Manganese	1100		0.54	mg/kg dry	
Nickel	180		2.1	mg/kg dry	
Potassium	310		54	mg/kg dry	
Selenium	3.5		2.1	mg/kg dry	
Silver	---	U	0.54	mg/kg dry	
Sodium	150		110	mg/kg dry	
Thallium	---	U	2.1	mg/kg dry	
Tin	21		1.1	mg/kg dry	
Vanadium	30		2.1	mg/kg dry	
Zinc	330		2.1	mg/kg dry	
Field ID: KR-SS-04-A				Sample ID: 1606029-04	
Metals ICP					
Aluminum	5400		8.8	mg/kg dry	

Project: Kingston Rail Yard - 1606029

Project Number: 1606029

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SS-04-A				Sample ID: 1606029-04	
Metals ICP					
Antimony	3.7		1.8	mg/kg dry	
Arsenic	9.9		0.70	mg/kg dry	
Barium	51		8.8	mg/kg dry	
Beryllium	0.37		0.26	mg/kg dry	
Cadmium	0.30		0.26	mg/kg dry	
Calcium	1200		44	mg/kg dry	
Chromium	9.9		0.44	mg/kg dry	
Cobalt	6.7		1.8	mg/kg dry	
Copper	76		0.88	mg/kg dry	
Iron	20000		4.4	mg/kg dry	
Lead	130		0.70	mg/kg dry	
Magnesium	1900		44	mg/kg dry	
Manganese	360		0.44	mg/kg dry	
Nickel	14		1.8	mg/kg dry	
Potassium	400		44	mg/kg dry	
Selenium	---	U	1.8	mg/kg dry	
Silver	---	U	0.44	mg/kg dry	
Sodium	---	U	88	mg/kg dry	
Thallium	---	U	1.8	mg/kg dry	
Tin	9.7		0.88	mg/kg dry	
Vanadium	13		1.8	mg/kg dry	
Zinc	61		1.8	mg/kg dry	
Field ID: KR-SS-05-A				Sample ID: 1606029-05	
Metals ICP					
Aluminum	5400		8.3	mg/kg dry	
Antimony	2.3		1.7	mg/kg dry	

Project: Kingston Rail Yard - 1606029

Project Number: 1606029

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SS-05-A				Sample ID: 1606029-05	
Metals ICP					
Arsenic	8.0		0.66	mg/kg dry	
Barium	37		8.3	mg/kg dry	
Beryllium	0.27		0.25	mg/kg dry	
Cadmium	0.47		0.25	mg/kg dry	
Calcium	1300		41	mg/kg dry	
Chromium	9.7		0.41	mg/kg dry	
Cobalt	5.2		1.7	mg/kg dry	
Copper	37		0.83	mg/kg dry	
Iron	16000		4.1	mg/kg dry	
Lead	90		0.66	mg/kg dry	
Magnesium	1700		41	mg/kg dry	
Manganese	290		0.41	mg/kg dry	
Nickel	13		1.7	mg/kg dry	
Potassium	340		41	mg/kg dry	
Selenium	---	U	1.7	mg/kg dry	
Silver	---	U	0.41	mg/kg dry	
Sodium	---	U	83	mg/kg dry	
Thallium	---	U	1.7	mg/kg dry	
Tin	5.3		0.83	mg/kg dry	
Vanadium	13		1.7	mg/kg dry	
Zinc	140		1.7	mg/kg dry	
Field ID: KR-SS-06-A				Sample ID: 1606029-06	
Metals ICP					
Aluminum	5500		8.3	mg/kg dry	
Antimony	3.4		1.7	mg/kg dry	
Arsenic	9.7		0.66	mg/kg dry	

Project: Kingston Rail Yard - 1606029

Project Number: 1606029

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SS-06-A				Sample ID: 1606029-06	
Metals ICP					
Barium	56		8.3	mg/kg dry	
Beryllium	0.31		0.25	mg/kg dry	
Cadmium	0.72		0.25	mg/kg dry	
Calcium	4300		41	mg/kg dry	
Chromium	14		0.41	mg/kg dry	
Cobalt	6.4		1.7	mg/kg dry	
Copper	72		0.83	mg/kg dry	
Iron	22000		4.1	mg/kg dry	
Lead	170		0.66	mg/kg dry	
Magnesium	1800		41	mg/kg dry	
Manganese	380		0.41	mg/kg dry	
Nickel	18		1.7	mg/kg dry	
Potassium	430		41	mg/kg dry	
Selenium	---	U	1.7	mg/kg dry	
Silver	---	U	0.41	mg/kg dry	
Sodium	---	U	83	mg/kg dry	
Thallium	---	U	1.7	mg/kg dry	
Tin	8.7		0.83	mg/kg dry	
Vanadium	13		1.7	mg/kg dry	
Zinc	310		1.7	mg/kg dry	
Field ID: KR-SS-07-A				Sample ID: 1606029-07	
Metals ICP					
Aluminum	5600		8.3	mg/kg dry	
Antimony	4.6		1.7	mg/kg dry	
Arsenic	10		0.66	mg/kg dry	
Barium	59		8.3	mg/kg dry	

Project: Kingston Rail Yard - 1606029

Project Number: 1606029

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SS-07-A				Sample ID: 1606029-07	
Metals ICP					
Beryllium	0.34		0.25	mg/kg dry	
Cadmium	0.64		0.25	mg/kg dry	
Calcium	3700		41	mg/kg dry	
Chromium	15		0.41	mg/kg dry	
Cobalt	6.5		1.7	mg/kg dry	
Copper	100		0.83	mg/kg dry	
Iron	28000		4.1	mg/kg dry	
Lead	170		0.66	mg/kg dry	
Magnesium	1500		41	mg/kg dry	
Manganese	370		0.41	mg/kg dry	
Nickel	18		1.7	mg/kg dry	
Potassium	410		41	mg/kg dry	
Selenium	---	U	1.7	mg/kg dry	
Silver	---	U	0.41	mg/kg dry	
Sodium	---	U	83	mg/kg dry	
Thallium	---	U	1.7	mg/kg dry	
Tin	16		0.83	mg/kg dry	
Vanadium	16		1.7	mg/kg dry	
Zinc	84		1.7	mg/kg dry	
Field ID: KR-SS-08-A				Sample ID: 1606029-08	
Metals ICP					
Aluminum	4600		8.3	mg/kg dry	
Antimony	5.1		1.7	mg/kg dry	
Arsenic	13		0.66	mg/kg dry	
Barium	62		8.3	mg/kg dry	
Beryllium	0.33		0.25	mg/kg dry	

Project: Kingston Rail Yard - 1606029

Project Number: 1606029

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SS-08-A				Sample ID: 1606029-08	
Metals ICP					
Cadmium	0.95		0.25	mg/kg dry	
Calcium	4700		41	mg/kg dry	
Chromium	17		0.41	mg/kg dry	
Cobalt	7.0		1.7	mg/kg dry	
Copper	100		0.83	mg/kg dry	
Iron	49000		21	mg/kg dry	
Lead	180		0.66	mg/kg dry	
Magnesium	1400		41	mg/kg dry	
Manganese	390		0.41	mg/kg dry	
Nickel	21		1.7	mg/kg dry	
Potassium	380		41	mg/kg dry	
Selenium	---	U	1.7	mg/kg dry	
Silver	---	U	0.41	mg/kg dry	
Sodium	---	U	83	mg/kg dry	
Thallium	---	U	1.7	mg/kg dry	
Tin	13		0.83	mg/kg dry	
Vanadium	14		1.7	mg/kg dry	
Zinc	84		1.7	mg/kg dry	
Field ID: KR-SS-10-A				Sample ID: 1606029-09	
Metals ICP					
Aluminum	5700		8.3	mg/kg dry	
Antimony	---	U	1.7	mg/kg dry	
Arsenic	4.6		0.66	mg/kg dry	
Barium	22		8.3	mg/kg dry	
Beryllium	---	U	0.25	mg/kg dry	
Cadmium	---	U	0.25	mg/kg dry	

Project: Kingston Rail Yard - 1606029

Project Number: 1606029

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SS-10-A				Sample ID: 1606029-09	
Metals ICP					
Calcium	17000		41	mg/kg dry	
Chromium	8.1		0.41	mg/kg dry	
Cobalt	5.1		1.7	mg/kg dry	
Copper	13		0.83	mg/kg dry	
Iron	12000		4.1	mg/kg dry	
Lead	10		0.66	mg/kg dry	
Magnesium	2200		41	mg/kg dry	
Manganese	330		0.41	mg/kg dry	
Nickel	13		1.7	mg/kg dry	
Potassium	360		41	mg/kg dry	
Selenium	---	U	1.7	mg/kg dry	
Silver	---	U	0.41	mg/kg dry	
Sodium	---	U	83	mg/kg dry	
Thallium	---	U	1.7	mg/kg dry	
Tin	---	U	0.83	mg/kg dry	
Vanadium	9.1		1.7	mg/kg dry	
Zinc	37		1.7	mg/kg dry	
Field ID: KR-SS-11-A				Sample ID: 1606029-10	
Metals ICP					
Aluminum	4900		8.4	mg/kg dry	
Antimony	4.8		1.7	mg/kg dry	
Arsenic	12		0.67	mg/kg dry	
Barium	46		8.4	mg/kg dry	
Beryllium	0.26		0.25	mg/kg dry	
Cadmium	1.3		0.25	mg/kg dry	
Calcium	1900		42	mg/kg dry	

Project: Kingston Rail Yard - 1606029

Project Number: 1606029

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SS-11-A				Sample ID: 1606029-10	
Metals ICP					
Chromium	14		0.42	mg/kg dry	
Cobalt	6.0		1.7	mg/kg dry	
Copper	97		0.84	mg/kg dry	
Iron	22000		4.2	mg/kg dry	
Lead	140		0.67	mg/kg dry	
Magnesium	1400		42	mg/kg dry	
Manganese	350		0.42	mg/kg dry	
Nickel	14		1.7	mg/kg dry	
Potassium	370		42	mg/kg dry	
Selenium	---	U	1.7	mg/kg dry	
Silver	---	U	0.42	mg/kg dry	
Sodium	110		84	mg/kg dry	
Thallium	---	U	1.7	mg/kg dry	
Tin	11		0.84	mg/kg dry	
Vanadium	12		1.7	mg/kg dry	
Zinc	75		1.7	mg/kg dry	
Field ID: KR-SB-01-A				Sample ID: 1606029-11	
VOA GCMS					
Dichlorodifluoromethane	---	U	4.9	ug/kg dry	
Chloromethane	---	U	4.9	ug/kg dry	
Vinyl Chloride	---	U	4.9	ug/kg dry	
Bromomethane	---	U J	130	ug/kg dry	
Chloroethane	---	U	4.9	ug/kg dry	
Trichlorofluoromethane	---	U	4.9	ug/kg dry	
1,1-Dichloroethene	---	U	4.9	ug/kg dry	
1,1,2-Trichloro-1,2,2-Trifluoroethane	---	U	4.9	ug/kg dry	

Project: Kingston Rail Yard - 1606029

Project Number: 1606029

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SB-01-A				Sample ID: 1606029-11	
VOA GCMS					
Carbon Disulfide	---	U	4.9	ug/kg dry	
Acetone	---	U J	9.8	ug/kg dry	
Methyl Acetate	5.7	J	4.9	ug/kg dry	
Methylene Chloride	---	U	4.9	ug/kg dry	
trans-1,2-Dichloroethene	---	U	4.9	ug/kg dry	
cis-1,2-Dichloroethene	---	U	4.9	ug/kg dry	
Methyl tert-Butyl Ether	---	U L	4.9	ug/kg dry	
1,1-Dichloroethane	---	U	4.9	ug/kg dry	
2-Butanone	---	U	9.8	ug/kg dry	
Bromochloromethane	---	U	4.9	ug/kg dry	
Chloroform	---	U	4.9	ug/kg dry	
1,2-Dichloroethane	---	U	4.9	ug/kg dry	
1,1,1-Trichloroethane	---	U	4.9	ug/kg dry	
Cyclohexane	---	U	4.9	ug/kg dry	
Carbon Tetrachloride	---	U	4.9	ug/kg dry	
Benzene	---	U	4.9	ug/kg dry	
Trichloroethene	---	U	4.9	ug/kg dry	
Methylcyclohexane	---	U	4.9	ug/kg dry	
1,2-Dichloropropane	---	U J	4.9	ug/kg dry	
Bromodichloromethane	---	U	4.9	ug/kg dry	
cis-1,3-Dichloropropene	---	U	9.8	ug/kg dry	
trans-1,3-Dichloropropene	---	U	4.9	ug/kg dry	
1,1,2-Trichloroethane	---	U	4.9	ug/kg dry	
Dibromochloromethane	---	U	4.9	ug/kg dry	
Bromoform	---	U	4.9	ug/kg dry	
4-Methyl-2-Pentanone	---	U J	9.8	ug/kg dry	
Toluene	---	U J	4.9	ug/kg dry	
Tetrachloroethene	6.5		4.9	ug/kg dry	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SB-01-A				Sample ID: 1606029-11	
VOA GCMS					
2-Hexanone	---	U	95	ug/kg dry	
1,2-Dibromoethane	---	U	4.9	ug/kg dry	
Chlorobenzene	---	U	4.9	ug/kg dry	
Ethylbenzene	---	U	4.9	ug/kg dry	
m/p-Xylene	---	U	4.9	ug/kg dry	
o-Xylene	---	U	4.9	ug/kg dry	
Styrene	---	U	4.9	ug/kg dry	
Isopropylbenzene	---	U	4.9	ug/kg dry	
1,1,2,2-Tetrachloroethane	---	U	4.9	ug/kg dry	
1,3-Dichlorobenzene	---	U	4.9	ug/kg dry	
1,4-Dichlorobenzene	---	U	4.9	ug/kg dry	
1,2-Dichlorobenzene	---	U	4.9	ug/kg dry	
1,2-Dibromo-3-Chloropropane	---	U	4.9	ug/kg dry	
1,2,4-Trichlorobenzene	---	U	4.9	ug/kg dry	
1,2,3-Trichlorobenzene	---	U	4.9	ug/kg dry	
1-Iodo-2-methylnonane	230			ug/kg dry	
5-Tridecene, (E)-	420			ug/kg dry	
Benzene, 1-methyl-2-(1-meth...	250			ug/kg dry	
Cyclohexane, pentyl-	300			ug/kg dry	
Dodecane, 2-methyl-	240			ug/kg dry	
Dodecane, 6-methyl-	490			ug/kg dry	
Nonane, 3-methyl-	300			ug/kg dry	
Tridecane	430			ug/kg dry	
Undecane (01)	1200			ug/kg dry	
Undecane (02)	1300			ug/kg dry	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SB-01-A				Sample ID: 1606029-11	
Metals ICP					
Aluminum	5800		8.4	mg/kg dry	
Antimony	---	U	1.7	mg/kg dry	
Arsenic	3.1		0.67	mg/kg dry	
Barium	23		8.4	mg/kg dry	
Beryllium	---	U	0.25	mg/kg dry	
Cadmium	---	U	0.25	mg/kg dry	
Calcium	170		42	mg/kg dry	
Chromium	7.3		0.42	mg/kg dry	
Cobalt	5.1		1.7	mg/kg dry	
Copper	10		0.84	mg/kg dry	
Iron	12000		4.2	mg/kg dry	
Lead	6.1		0.67	mg/kg dry	
Magnesium	2100		42	mg/kg dry	
Manganese	360		0.42	mg/kg dry	
Nickel	13		1.7	mg/kg dry	
Potassium	350		42	mg/kg dry	
Selenium	---	U	1.7	mg/kg dry	
Silver	---	U	0.42	mg/kg dry	
Sodium	---	U	84	mg/kg dry	
Thallium	---	U	1.7	mg/kg dry	
Tin	---	U	0.84	mg/kg dry	
Vanadium	8.5		1.7	mg/kg dry	
Zinc	35		1.7	mg/kg dry	
Field ID: KR-SB-06-A				Sample ID: 1606029-12	
VOA GCMS					
Dichlorodifluoromethane	---	U	4.9	ug/kg dry	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SB-06-A				Sample ID: 1606029-12	
VOA GCMS					
Chloromethane	---	U	4.9	ug/kg dry	
Vinyl Chloride	---	U	4.9	ug/kg dry	
Bromomethane	---	U J	130	ug/kg dry	
Chloroethane	---	U	4.9	ug/kg dry	
Trichlorofluoromethane	---	U	4.9	ug/kg dry	
1,1-Dichloroethene	---	U	4.9	ug/kg dry	
1,1,2-Trichloro-1,2,2-Trifluoroethane	---	U	4.9	ug/kg dry	
Carbon Disulfide	---	U	4.9	ug/kg dry	
Acetone	---	U J	9.9	ug/kg dry	
Methyl Acetate	---	U J	4.9	ug/kg dry	
Methylene Chloride	---	U	4.9	ug/kg dry	
trans-1,2-Dichloroethene	---	U	4.9	ug/kg dry	
cis-1,2-Dichloroethene	---	U	4.9	ug/kg dry	
Methyl tert-Butyl Ether	---	U L	4.9	ug/kg dry	
1,1-Dichloroethane	---	U	4.9	ug/kg dry	
2-Butanone	---	U	9.9	ug/kg dry	
Bromochloromethane	---	U	4.9	ug/kg dry	
Chloroform	---	U	4.9	ug/kg dry	
1,2-Dichloroethane	---	U	4.9	ug/kg dry	
1,1,1-Trichloroethane	---	U	4.9	ug/kg dry	
Cyclohexane	---	U	4.9	ug/kg dry	
Carbon Tetrachloride	---	U	4.9	ug/kg dry	
Benzene	---	U	4.9	ug/kg dry	
Trichloroethene	---	U	4.9	ug/kg dry	
Methylcyclohexane	---	U	4.9	ug/kg dry	
1,2-Dichloropropane	---	U J	4.9	ug/kg dry	
Bromodichloromethane	---	U	4.9	ug/kg dry	
cis-1,3-Dichloropropene	---	U	9.9	ug/kg dry	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SB-06-A				Sample ID: 1606029-12	
VOA GCMS					
trans-1,3-Dichloropropene	---	U	4.9	ug/kg dry	
1,1,2-Trichloroethane	---	U	4.9	ug/kg dry	
Dibromochloromethane	---	U	4.9	ug/kg dry	
Bromoform	---	U	4.9	ug/kg dry	
4-Methyl-2-Pentanone	---	U J	9.9	ug/kg dry	
Toluene	---	U J	4.9	ug/kg dry	
Tetrachloroethene	56		4.9	ug/kg dry	
2-Hexanone	---	U	96	ug/kg dry	
1,2-Dibromoethane	---	U	4.9	ug/kg dry	
Chlorobenzene	---	U	4.9	ug/kg dry	
Ethylbenzene	---	U	4.9	ug/kg dry	
m/p-Xylene	---	U	4.9	ug/kg dry	
o-Xylene	---	U	4.9	ug/kg dry	
Styrene	---	U	4.9	ug/kg dry	
Isopropylbenzene	---	U	4.9	ug/kg dry	
1,1,2,2-Tetrachloroethane	---	U	4.9	ug/kg dry	
1,3-Dichlorobenzene	---	U	4.9	ug/kg dry	
1,4-Dichlorobenzene	---	U	4.9	ug/kg dry	
1,2-Dichlorobenzene	---	U	4.9	ug/kg dry	
1,2-Dibromo-3-Chloropropane	---	U	4.9	ug/kg dry	
1,2,4-Trichlorobenzene	---	U	4.9	ug/kg dry	
1,2,3-Trichlorobenzene	---	U	4.9	ug/kg dry	
Dodecane	19			ug/kg dry	
Dodecane, 2,6,11-trimethyl-	24			ug/kg dry	
Hexadecane	14			ug/kg dry	
Naphthalene, 1,6-dimethyl- (01)	38			ug/kg dry	
Naphthalene, 1,6-dimethyl- (02)	30			ug/kg dry	
Naphthalene, 1,7-dimethyl-	14			ug/kg dry	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SB-06-A				Sample ID: 1606029-12	
VOA GCMS					
Naphthalene, 1-methyl-	21			ug/kg dry	
Naphthalene, 2-methyl-	29			ug/kg dry	
Tetradecane	110			ug/kg dry	
Tridecane	82			ug/kg dry	
Metals ICP					
Aluminum	5600		8.7	mg/kg dry	
Antimony	---	U	1.7	mg/kg dry	
Arsenic	2.7		0.69	mg/kg dry	
Barium	24		8.7	mg/kg dry	
Beryllium	---	U	0.26	mg/kg dry	
Cadmium	---	U	0.26	mg/kg dry	
Calcium	370		43	mg/kg dry	
Chromium	7.4		0.43	mg/kg dry	
Cobalt	5.4		1.7	mg/kg dry	
Copper	9.6		0.87	mg/kg dry	
Iron	12000		4.3	mg/kg dry	
Lead	5.9		0.69	mg/kg dry	
Magnesium	2100		43	mg/kg dry	
Manganese	370		0.43	mg/kg dry	
Nickel	13		1.7	mg/kg dry	
Potassium	400		43	mg/kg dry	
Selenium	---	U	1.7	mg/kg dry	
Silver	---	U	0.43	mg/kg dry	
Sodium	---	U	87	mg/kg dry	
Thallium	---	U	1.7	mg/kg dry	
Tin	---	U	0.87	mg/kg dry	

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SB-06-A				Sample ID: 1606029-12	
Metals ICP					
Vanadium	8.2		1.7	mg/kg dry	
Zinc	34		1.7	mg/kg dry	
Field ID: KR-SB-10-A				Sample ID: 1606029-13	
VOA GCMS					
Dichlorodifluoromethane	---	U	5.1	ug/kg dry	
Chloromethane	---	U	5.1	ug/kg dry	
Vinyl Chloride	---	U	5.1	ug/kg dry	
Bromomethane	---	U J	130	ug/kg dry	
Chloroethane	---	U	5.1	ug/kg dry	
Trichlorofluoromethane	---	U	5.1	ug/kg dry	
1,1-Dichloroethene	---	U	5.1	ug/kg dry	
1,1,2-Trichloro-1,2,2-Trifluoroethane	---	U	5.1	ug/kg dry	
Carbon Disulfide	---	U	5.1	ug/kg dry	
Acetone	13	J	10	ug/kg dry	
Methyl Acetate	---	U J	5.1	ug/kg dry	
Methylene Chloride	---	U	5.1	ug/kg dry	
trans-1,2-Dichloroethene	---	U	5.1	ug/kg dry	
cis-1,2-Dichloroethene	---	U	5.1	ug/kg dry	
Methyl tert-Butyl Ether	---	U L	5.1	ug/kg dry	
1,1-Dichloroethane	---	U	5.1	ug/kg dry	
2-Butanone	---	U	10	ug/kg dry	
Bromochloromethane	---	U	5.1	ug/kg dry	
Chloroform	---	U	5.1	ug/kg dry	
1,2-Dichloroethane	---	U	5.1	ug/kg dry	
1,1,1-Trichloroethane	---	U	5.1	ug/kg dry	
Cyclohexane	---	U	5.1	ug/kg dry	
Carbon Tetrachloride	---	U	5.1	ug/kg dry	
Benzene	---	U	5.1	ug/kg dry	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SB-10-A				Sample ID: 1606029-13	
VOA GCMS					
Trichloroethene	---	U	5.1	ug/kg dry	
Methylcyclohexane	---	U	5.1	ug/kg dry	
1,2-Dichloropropane	---	U J	5.1	ug/kg dry	
Bromodichloromethane	---	U	5.1	ug/kg dry	
cis-1,3-Dichloropropene	---	U	10	ug/kg dry	
trans-1,3-Dichloropropene	---	U	5.1	ug/kg dry	
1,1,2-Trichloroethane	---	U	5.1	ug/kg dry	
Dibromochloromethane	---	U	5.1	ug/kg dry	
Bromoform	---	U	5.1	ug/kg dry	
4-Methyl-2-Pentanone	---	U J	10	ug/kg dry	
Toluene	---	U J	5.1	ug/kg dry	
Tetrachloroethene	5.5		5.1	ug/kg dry	
2-Hexanone	---	U	99	ug/kg dry	
1,2-Dibromoethane	---	U	5.1	ug/kg dry	
Chlorobenzene	---	U	5.1	ug/kg dry	
Ethylbenzene	---	U	5.1	ug/kg dry	
m/p-Xylene	---	U	5.1	ug/kg dry	
o-Xylene	---	U	5.1	ug/kg dry	
Styrene	---	U	5.1	ug/kg dry	
Isopropylbenzene	---	U	5.1	ug/kg dry	
1,1,2,2-Tetrachloroethane	---	U	5.1	ug/kg dry	
1,3-Dichlorobenzene	---	U	5.1	ug/kg dry	
1,4-Dichlorobenzene	---	U	5.1	ug/kg dry	
1,2-Dichlorobenzene	---	U	5.1	ug/kg dry	
1,2-Dibromo-3-Chloropropane	---	U	5.1	ug/kg dry	
1,2,4-Trichlorobenzene	---	U	5.1	ug/kg dry	
1,2,3-Trichlorobenzene	---	U	5.1	ug/kg dry	
Ethylenimine	14			ug/kg dry	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SB-10-A				Sample ID: 1606029-13	
VOA GCMS					
Tetradecane	20			ug/kg dry	
Tridecane	22			ug/kg dry	
Metals ICP					
Aluminum	6000		8.0	mg/kg dry	
Antimony	---	U	1.6	mg/kg dry	
Arsenic	3.8		0.64	mg/kg dry	
Barium	28		8.0	mg/kg dry	
Beryllium	0.25		0.24	mg/kg dry	
Cadmium	---	U	0.24	mg/kg dry	
Calcium	15000		40	mg/kg dry	
Chromium	11		0.40	mg/kg dry	
Cobalt	4.9		1.6	mg/kg dry	
Copper	11		0.80	mg/kg dry	
Iron	12000		4.0	mg/kg dry	
Lead	8.4		0.64	mg/kg dry	
Magnesium	2200		40	mg/kg dry	
Manganese	320		0.40	mg/kg dry	
Nickel	13		1.6	mg/kg dry	
Potassium	460		40	mg/kg dry	
Selenium	---	U	1.6	mg/kg dry	
Silver	---	U	0.40	mg/kg dry	
Sodium	---	U	80	mg/kg dry	
Thallium	---	U	1.6	mg/kg dry	
Tin	---	U	0.80	mg/kg dry	
Vanadium	9.5		1.6	mg/kg dry	
Zinc	35		1.6	mg/kg dry	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SB-02-A				Sample ID: 1606039-01	
VOA GCMS					
Dichlorodifluoromethane	---	U	4.3	ug/kg dry	
Chloromethane	---	U	4.3	ug/kg dry	
Vinyl Chloride	---	U	4.3	ug/kg dry	
Bromomethane	---	U J	110	ug/kg dry	
Chloroethane	---	U	4.3	ug/kg dry	
Trichlorofluoromethane	---	U	4.3	ug/kg dry	
1,1-Dichloroethene	---	U	4.3	ug/kg dry	
1,1,2-Trichloro-1,2,2-Trifluoroethane	---	U	4.3	ug/kg dry	
Carbon Disulfide	---	U	4.3	ug/kg dry	
Acetone	12	J	8.6	ug/kg dry	
Methyl Acetate	6.9	J	4.3	ug/kg dry	
Methylene Chloride	---	U	4.3	ug/kg dry	
trans-1,2-Dichloroethene	---	U	4.3	ug/kg dry	
cis-1,2-Dichloroethene	---	U	4.3	ug/kg dry	
Methyl tert-Butyl Ether	---	U L	4.3	ug/kg dry	
1,1-Dichloroethane	---	U	4.3	ug/kg dry	
2-Butanone	---	U	8.6	ug/kg dry	
Bromochloromethane	---	U	4.3	ug/kg dry	
Chloroform	---	U	4.3	ug/kg dry	
1,2-Dichloroethane	---	U	4.3	ug/kg dry	
1,1,1-Trichloroethane	---	U	4.3	ug/kg dry	
Cyclohexane	---	U	4.3	ug/kg dry	
Carbon Tetrachloride	---	U	4.3	ug/kg dry	
Benzene	---	U	4.3	ug/kg dry	
Trichloroethene	---	U	4.3	ug/kg dry	
Methylcyclohexane	---	U	4.3	ug/kg dry	
1,2-Dichloropropane	---	U J	4.3	ug/kg dry	
Bromodichloromethane	---	U	4.3	ug/kg dry	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SB-02-A				Sample ID: 1606039-01	
VOA GCMS					
cis-1,3-Dichloropropene	---	U	8.6	ug/kg dry	
trans-1,3-Dichloropropene	---	U	4.3	ug/kg dry	
1,1,2-Trichloroethane	---	U	4.3	ug/kg dry	
Dibromochloromethane	---	U	4.3	ug/kg dry	
Bromoform	---	U	4.3	ug/kg dry	
4-Methyl-2-Pentanone	---	U J	8.6	ug/kg dry	
Toluene	---	U J	4.3	ug/kg dry	
Tetrachloroethene	43		4.3	ug/kg dry	
2-Hexanone	---	U	84	ug/kg dry	
1,2-Dibromoethane	---	U	4.3	ug/kg dry	
Chlorobenzene	---	U	4.3	ug/kg dry	
Ethylbenzene	---	U	4.3	ug/kg dry	
m/p-Xylene	---	U	4.3	ug/kg dry	
o-Xylene	---	U	4.3	ug/kg dry	
Styrene	---	U	4.3	ug/kg dry	
Isopropylbenzene	---	U	4.3	ug/kg dry	
1,1,2,2-Tetrachloroethane	---	U	4.3	ug/kg dry	
1,3-Dichlorobenzene	---	U	4.3	ug/kg dry	
1,4-Dichlorobenzene	---	U	4.3	ug/kg dry	
1,2-Dichlorobenzene	---	U	4.3	ug/kg dry	
1,2-Dibromo-3-Chloropropane	---	U	4.3	ug/kg dry	
1,2,4-Trichlorobenzene	---	U	4.3	ug/kg dry	
1,2,3-Trichlorobenzene	---	U	4.3	ug/kg dry	
Tridecane	8.7			ug/kg dry	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SB-02-A				Sample ID: 1606039-01	
Metals ICP					
Aluminum	6100		7.9	mg/kg dry	
Antimony	---	U	1.6	mg/kg dry	
Arsenic	3.8		0.63	mg/kg dry	
Barium	30		7.9	mg/kg dry	
Beryllium	0.28		0.24	mg/kg dry	
Cadmium	---	U	0.24	mg/kg dry	
Calcium	480		40	mg/kg dry	
Chromium	7.2		0.40	mg/kg dry	
Cobalt	6.0		1.6	mg/kg dry	
Copper	17		0.79	mg/kg dry	
Iron	12000		4.0	mg/kg dry	
Lead	17		0.63	mg/kg dry	
Magnesium	1800		40	mg/kg dry	
Manganese	390		0.40	mg/kg dry	
Nickel	12		1.6	mg/kg dry	
Potassium	280		40	mg/kg dry	
Selenium	---	U	1.6	mg/kg dry	
Silver	---	U	0.40	mg/kg dry	
Sodium	---	U	79	mg/kg dry	
Thallium	---	U	1.6	mg/kg dry	
Tin	---	U	0.79	mg/kg dry	
Vanadium	9.3		1.6	mg/kg dry	
Zinc	36		1.6	mg/kg dry	
Field ID: KR-SB-03-A				Sample ID: 1606039-02	
VOA GCMS					
Dichlorodifluoromethane	---	U	4.5	ug/kg dry	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SB-03-A				Sample ID: 1606039-02	
VOA GCMS					
Chloromethane	6.3		4.5	ug/kg dry	
Vinyl Chloride	---	U	4.5	ug/kg dry	
Bromomethane	---	U J	120	ug/kg dry	
Chloroethane	---	U	4.5	ug/kg dry	
Trichlorofluoromethane	---	U	4.5	ug/kg dry	
1,1-Dichloroethene	---	U	4.5	ug/kg dry	
1,1,2-Trichloro-1,2,2-Trifluoroethane	---	U	4.5	ug/kg dry	
Carbon Disulfide	---	U	4.5	ug/kg dry	
Acetone	16	J	9.0	ug/kg dry	
Methyl Acetate	5.4	J	4.5	ug/kg dry	
Methylene Chloride	---	U	4.5	ug/kg dry	
trans-1,2-Dichloroethene	---	U	4.5	ug/kg dry	
cis-1,2-Dichloroethene	---	U	4.5	ug/kg dry	
Methyl tert-Butyl Ether	---	U L	4.5	ug/kg dry	
1,1-Dichloroethane	---	U	4.5	ug/kg dry	
2-Butanone	---	U	9.0	ug/kg dry	
Bromochloromethane	---	U	4.5	ug/kg dry	
Chloroform	---	U	4.5	ug/kg dry	
1,2-Dichloroethane	---	U	4.5	ug/kg dry	
1,1,1-Trichloroethane	---	U	4.5	ug/kg dry	
Cyclohexane	---	U	4.5	ug/kg dry	
Carbon Tetrachloride	---	U	4.5	ug/kg dry	
Benzene	---	U	4.5	ug/kg dry	
Trichloroethene	---	U	4.5	ug/kg dry	
Methylcyclohexane	---	U	4.5	ug/kg dry	
1,2-Dichloropropane	---	U J	4.5	ug/kg dry	
Bromodichloromethane	---	U	4.5	ug/kg dry	
cis-1,3-Dichloropropene	---	U	9.0	ug/kg dry	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SB-03-A				Sample ID: 1606039-02	
VOA GCMS					
trans-1,3-Dichloropropene	---	U	4.5	ug/kg dry	
1,1,2-Trichloroethane	---	U	4.5	ug/kg dry	
Dibromochloromethane	---	U	4.5	ug/kg dry	
Bromoform	---	U	4.5	ug/kg dry	
4-Methyl-2-Pentanone	---	U J	9.0	ug/kg dry	
Toluene	---	U J	4.5	ug/kg dry	
Tetrachloroethene	260		26	ug/kg dry	
2-Hexanone	---	U	88	ug/kg dry	
1,2-Dibromoethane	---	U	4.5	ug/kg dry	
Chlorobenzene	---	U	4.5	ug/kg dry	
Ethylbenzene	---	U	4.5	ug/kg dry	
m/p-Xylene	---	U	4.5	ug/kg dry	
o-Xylene	---	U	4.5	ug/kg dry	
Styrene	---	U L	4.5	ug/kg dry	
Isopropylbenzene	---	U	4.5	ug/kg dry	
1,1,2,2-Tetrachloroethane	---	U	4.5	ug/kg dry	
1,3-Dichlorobenzene	---	U	4.5	ug/kg dry	
1,4-Dichlorobenzene	---	U	4.5	ug/kg dry	
1,2-Dichlorobenzene	---	U	4.5	ug/kg dry	
1,2-Dibromo-3-Chloropropane	---	U	4.5	ug/kg dry	
1,2,4-Trichlorobenzene	---	U	4.5	ug/kg dry	
1,2,3-Trichlorobenzene	---	U	4.5	ug/kg dry	
Hexadecane	9.3			ug/kg dry	
Metals ICP					
Aluminum	7000		7.9	mg/kg dry	
Antimony	---	U	1.6	mg/kg dry	
Arsenic	3.1		0.64	mg/kg dry	
Barium	20		7.9	mg/kg dry	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SB-03-A				Sample ID: 1606039-02	
Metals ICP					
Beryllium	0.25		0.24	mg/kg dry	
Cadmium	---	U	0.24	mg/kg dry	
Calcium	320		40	mg/kg dry	
Chromium	7.6		0.40	mg/kg dry	
Cobalt	5.1		1.6	mg/kg dry	
Copper	8.0		0.79	mg/kg dry	
Iron	12000		4.0	mg/kg dry	
Lead	5.9		0.64	mg/kg dry	
Magnesium	1800		40	mg/kg dry	
Manganese	340		0.40	mg/kg dry	
Nickel	13		1.6	mg/kg dry	
Potassium	250		40	mg/kg dry	
Selenium	---	U	1.6	mg/kg dry	
Silver	---	U	0.40	mg/kg dry	
Sodium	---	U	79	mg/kg dry	
Thallium	---	U	1.6	mg/kg dry	
Tin	---	U	0.79	mg/kg dry	
Vanadium	10		1.6	mg/kg dry	
Zinc	33		1.6	mg/kg dry	
Field ID: KR-SB-04-A				Sample ID: 1606039-03	
VOA GCMS					
Dichlorodifluoromethane	---	U	5.3	ug/kg dry	
Chloromethane	---	U	5.3	ug/kg dry	
Vinyl Chloride	---	U	5.3	ug/kg dry	
Bromomethane	---	U J	140	ug/kg dry	
Chloroethane	---	U	5.3	ug/kg dry	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SB-04-A				Sample ID: 1606039-03	
VOA GCMS					
Trichlorofluoromethane	---	U	5.3	ug/kg dry	
1,1-Dichloroethene	---	U	5.3	ug/kg dry	
1,1,2-Trichloro-1,2,2-Trifluoroethane	---	U	5.3	ug/kg dry	
Carbon Disulfide	---	U	5.3	ug/kg dry	
Acetone	---	U J	11	ug/kg dry	
Methyl Acetate	---	U J	5.3	ug/kg dry	
Methylene Chloride	---	U	5.3	ug/kg dry	
trans-1,2-Dichloroethene	---	U	5.3	ug/kg dry	
cis-1,2-Dichloroethene	---	U	5.3	ug/kg dry	
Methyl tert-Butyl Ether	---	U L	5.3	ug/kg dry	
1,1-Dichloroethane	---	U	5.3	ug/kg dry	
2-Butanone	---	U	11	ug/kg dry	
Bromochloromethane	---	U	5.3	ug/kg dry	
Chloroform	---	U	5.3	ug/kg dry	
1,2-Dichloroethane	---	U	5.3	ug/kg dry	
1,1,1-Trichloroethane	---	U	5.3	ug/kg dry	
Cyclohexane	---	U	5.3	ug/kg dry	
Carbon Tetrachloride	---	U	5.3	ug/kg dry	
Benzene	---	U	5.3	ug/kg dry	
Trichloroethene	---	U	5.3	ug/kg dry	
Methylcyclohexane	---	U	5.3	ug/kg dry	
1,2-Dichloropropane	---	U J	5.3	ug/kg dry	
Bromodichloromethane	---	U	5.3	ug/kg dry	
cis-1,3-Dichloropropene	---	U	11	ug/kg dry	
trans-1,3-Dichloropropene	---	U	5.3	ug/kg dry	
1,1,2-Trichloroethane	---	U	5.3	ug/kg dry	
Dibromochloromethane	---	U	5.3	ug/kg dry	
Bromoform	---	U	5.3	ug/kg dry	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SB-04-A				Sample ID: 1606039-03	
VOA GCMS					
4-Methyl-2-Pentanone	---	U J	11	ug/kg dry	
Toluene	---	U J	5.3	ug/kg dry	
Tetrachloroethene	17		5.3	ug/kg dry	
2-Hexanone	---	U	100	ug/kg dry	
1,2-Dibromoethane	---	U	5.3	ug/kg dry	
Chlorobenzene	---	U	5.3	ug/kg dry	
Ethylbenzene	---	U	5.3	ug/kg dry	
m/p-Xylene	---	U	5.3	ug/kg dry	
o-Xylene	---	U	5.3	ug/kg dry	
Styrene	---	U	5.3	ug/kg dry	
Isopropylbenzene	---	U	5.3	ug/kg dry	
1,1,2,2-Tetrachloroethane	---	U	5.3	ug/kg dry	
1,3-Dichlorobenzene	---	U	5.3	ug/kg dry	
1,4-Dichlorobenzene	---	U	5.3	ug/kg dry	
1,2-Dichlorobenzene	---	U	5.3	ug/kg dry	
1,2-Dibromo-3-Chloropropane	---	U	5.3	ug/kg dry	
1,2,4-Trichlorobenzene	---	U	5.3	ug/kg dry	
1,2,3-Trichlorobenzene	---	U	5.3	ug/kg dry	
Metals ICP					
Aluminum	6100		8.6	mg/kg dry	
Antimony	---	U	1.7	mg/kg dry	
Arsenic	3.0		0.69	mg/kg dry	
Barium	11		8.6	mg/kg dry	
Beryllium	---	U	0.26	mg/kg dry	
Cadmium	---	U	0.26	mg/kg dry	
Calcium	230		43	mg/kg dry	
Chromium	7.2		0.43	mg/kg dry	
Cobalt	5.3		1.7	mg/kg dry	

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Field ID: KR-SB-04-A				Sample ID: 1606039-03	
Metals ICP					
Copper	10		0.86	mg/kg dry	
Iron	11000		4.3	mg/kg dry	
Lead	7.6		0.69	mg/kg dry	
Magnesium	2000		43	mg/kg dry	
Manganese	300		0.43	mg/kg dry	
Nickel	12		1.7	mg/kg dry	
Potassium	290		43	mg/kg dry	
Selenium	---	U	1.7	mg/kg dry	
Silver	---	U	0.43	mg/kg dry	
Sodium	---	U	86	mg/kg dry	
Thallium	---	U	1.7	mg/kg dry	
Tin	---	U	0.86	mg/kg dry	
Vanadium	8.4		1.7	mg/kg dry	
Zinc	30		1.7	mg/kg dry	
Field ID: KR-SB-05-A				Sample ID: 1606039-04	
VOA GCMS					
Dichlorodifluoromethane	---	U	5.9	ug/kg dry	
Chloromethane	7.0		5.9	ug/kg dry	
Vinyl Chloride	---	U	5.9	ug/kg dry	
Bromomethane	---	U J	150	ug/kg dry	
Chloroethane	---	U	5.9	ug/kg dry	
Trichlorofluoromethane	---	U	5.9	ug/kg dry	
1,1-Dichloroethene	---	U	5.9	ug/kg dry	
1,1,2-Trichloro-1,2,2-Trifluoroethane	---	U	5.9	ug/kg dry	
Carbon Disulfide	---	U	5.9	ug/kg dry	
Acetone	36	J	12	ug/kg dry	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SB-05-A				Sample ID: 1606039-04	
VOA GCMS					
Methyl Acetate	9.7	J	5.9	ug/kg dry	
Methylene Chloride	---	U	5.9	ug/kg dry	
trans-1,2-Dichloroethene	---	U	5.9	ug/kg dry	
cis-1,2-Dichloroethene	---	U	5.9	ug/kg dry	
Methyl tert-Butyl Ether	---	U L	5.9	ug/kg dry	
1,1-Dichloroethane	---	U	5.9	ug/kg dry	
2-Butanone	---	U	12	ug/kg dry	
Bromochloromethane	---	U	5.9	ug/kg dry	
Chloroform	---	U	5.9	ug/kg dry	
1,2-Dichloroethane	---	U	5.9	ug/kg dry	
1,1,1-Trichloroethane	---	U	5.9	ug/kg dry	
Cyclohexane	---	U	5.9	ug/kg dry	
Carbon Tetrachloride	---	U	5.9	ug/kg dry	
Benzene	---	U	5.9	ug/kg dry	
Trichloroethene	---	U	5.9	ug/kg dry	
Methylcyclohexane	---	U	5.9	ug/kg dry	
1,2-Dichloropropane	---	U J	5.9	ug/kg dry	
Bromodichloromethane	---	U	5.9	ug/kg dry	
cis-1,3-Dichloropropene	---	U	12	ug/kg dry	
trans-1,3-Dichloropropene	---	U	5.9	ug/kg dry	
1,1,2-Trichloroethane	---	U	5.9	ug/kg dry	
Dibromochloromethane	---	U	5.9	ug/kg dry	
Bromoform	---	U	5.9	ug/kg dry	
4-Methyl-2-Pentanone	---	U J	12	ug/kg dry	
Toluene	---	U J	5.9	ug/kg dry	
Tetrachloroethene	82		5.9	ug/kg dry	
2-Hexanone	---	U	110	ug/kg dry	
1,2-Dibromoethane	---	U	5.9	ug/kg dry	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SB-05-A				Sample ID: 1606039-04	
VOA GCMS					
Chlorobenzene	---	U	5.9	ug/kg dry	
Ethylbenzene	---	U	5.9	ug/kg dry	
m/p-Xylene	---	U	5.9	ug/kg dry	
o-Xylene	---	U	5.9	ug/kg dry	
Styrene	---	U	5.9	ug/kg dry	
Isopropylbenzene	---	U	5.9	ug/kg dry	
1,1,2,2-Tetrachloroethane	---	U	5.9	ug/kg dry	
1,3-Dichlorobenzene	---	U	5.9	ug/kg dry	
1,4-Dichlorobenzene	---	U	5.9	ug/kg dry	
1,2-Dichlorobenzene	---	U	5.9	ug/kg dry	
1,2-Dibromo-3-Chloropropane	---	U	5.9	ug/kg dry	
1,2,4-Trichlorobenzene	---	U	5.9	ug/kg dry	
1,2,3-Trichlorobenzene	---	U	5.9	ug/kg dry	
HEXANAL	14			ug/kg dry	
Propene	14			ug/kg dry	
Metals ICP					
Aluminum	6000		8.5	mg/kg dry	
Antimony	---	U	1.7	mg/kg dry	
Arsenic	3.9		0.68	mg/kg dry	
Barium	17		8.5	mg/kg dry	
Beryllium	---	U	0.25	mg/kg dry	
Cadmium	---	U	0.25	mg/kg dry	
Calcium	170		42	mg/kg dry	
Chromium	8.0		0.42	mg/kg dry	
Cobalt	5.1		1.7	mg/kg dry	
Copper	12		0.85	mg/kg dry	
Iron	12000		4.2	mg/kg dry	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SB-05-A				Sample ID: 1606039-04	
Metals ICP					
Lead	11		0.68	mg/kg dry	
Magnesium	2100		42	mg/kg dry	
Manganese	330		0.42	mg/kg dry	
Nickel	13		1.7	mg/kg dry	
Potassium	340		42	mg/kg dry	
Selenium	---	U	1.7	mg/kg dry	
Silver	---	U	0.42	mg/kg dry	
Sodium	---	U	85	mg/kg dry	
Thallium	---	U	1.7	mg/kg dry	
Tin	---	U	0.85	mg/kg dry	
Vanadium	8.8		1.7	mg/kg dry	
Zinc	44		1.7	mg/kg dry	
Field ID: KR-SB-07-A				Sample ID: 1606039-05	
VOA GCMS					
Dichlorodifluoromethane	---	U	4.7	ug/kg dry	
Chloromethane	---	U	4.7	ug/kg dry	
Vinyl Chloride	---	U	4.7	ug/kg dry	
Bromomethane	---	U J	120	ug/kg dry	
Chloroethane	---	U	4.7	ug/kg dry	
Trichlorofluoromethane	---	U	4.7	ug/kg dry	
1,1-Dichloroethene	---	U	4.7	ug/kg dry	
1,1,2-Trichloro-1,2,2-Trifluoroethane	---	U	4.7	ug/kg dry	
Carbon Disulfide	---	U	4.7	ug/kg dry	
Acetone	---	U J	9.3	ug/kg dry	
Methyl Acetate	---	U J	4.7	ug/kg dry	
Methylene Chloride	---	U	4.7	ug/kg dry	
trans-1,2-Dichloroethene	---	U	4.7	ug/kg dry	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SB-07-A				Sample ID: 1606039-05	
VOA GCMS					
cis-1,2-Dichloroethene	---	U	4.7	ug/kg dry	
Methyl tert-Butyl Ether	---	U L	4.7	ug/kg dry	
1,1-Dichloroethane	---	U	4.7	ug/kg dry	
2-Butanone	---	U	9.3	ug/kg dry	
Bromochloromethane	---	U	4.7	ug/kg dry	
Chloroform	---	U	4.7	ug/kg dry	
1,2-Dichloroethane	---	U	4.7	ug/kg dry	
1,1,1-Trichloroethane	---	U	4.7	ug/kg dry	
Cyclohexane	---	U	4.7	ug/kg dry	
Carbon Tetrachloride	---	U	4.7	ug/kg dry	
Benzene	---	U	4.7	ug/kg dry	
Trichloroethene	---	U	4.7	ug/kg dry	
Methylcyclohexane	---	U	4.7	ug/kg dry	
1,2-Dichloropropane	---	U J	4.7	ug/kg dry	
Bromodichloromethane	---	U	4.7	ug/kg dry	
cis-1,3-Dichloropropene	---	U	9.3	ug/kg dry	
trans-1,3-Dichloropropene	---	U	4.7	ug/kg dry	
1,1,2-Trichloroethane	---	U	4.7	ug/kg dry	
Dibromochloromethane	---	U	4.7	ug/kg dry	
Bromoform	---	U	4.7	ug/kg dry	
4-Methyl-2-Pentanone	---	U J	9.3	ug/kg dry	
Toluene	---	U J	4.7	ug/kg dry	
Tetrachloroethene	6.4		4.7	ug/kg dry	
2-Hexanone	---	U	90	ug/kg dry	
1,2-Dibromoethane	---	U	4.7	ug/kg dry	
Chlorobenzene	---	U	4.7	ug/kg dry	
Ethylbenzene	---	U	4.7	ug/kg dry	
m/p-Xylene	---	U	4.7	ug/kg dry	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SB-07-A				Sample ID: 1606039-05	
VOA GCMS					
o-Xylene	---	U	4.7	ug/kg dry	
Styrene	---	U	4.7	ug/kg dry	
Isopropylbenzene	---	U	4.7	ug/kg dry	
1,1,2,2-Tetrachloroethane	---	U	4.7	ug/kg dry	
1,3-Dichlorobenzene	---	U	4.7	ug/kg dry	
1,4-Dichlorobenzene	---	U	4.7	ug/kg dry	
1,2-Dichlorobenzene	---	U	4.7	ug/kg dry	
1,2-Dibromo-3-Chloropropane	---	U	4.7	ug/kg dry	
1,2,4-Trichlorobenzene	---	U	4.7	ug/kg dry	
1,2,3-Trichlorobenzene	---	U	4.7	ug/kg dry	
Metals ICP					
Aluminum	6500		7.5	mg/kg dry	
Antimony	---	U	1.5	mg/kg dry	
Arsenic	3.4		0.60	mg/kg dry	
Barium	11		7.5	mg/kg dry	
Beryllium	0.22		0.22	mg/kg dry	
Cadmium	---	U	0.22	mg/kg dry	
Calcium	250		37	mg/kg dry	
Chromium	7.6		0.37	mg/kg dry	
Cobalt	5.2		1.5	mg/kg dry	
Copper	9.1		0.75	mg/kg dry	
Iron	12000		3.7	mg/kg dry	
Lead	6.7		0.60	mg/kg dry	
Magnesium	2100		37	mg/kg dry	
Manganese	270		0.37	mg/kg dry	
Nickel	13		1.5	mg/kg dry	
Potassium	280		37	mg/kg dry	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SB-07-A				Sample ID: 1606039-05	
Metals ICP					
Selenium	---	U	1.5	mg/kg dry	
Silver	---	U	0.37	mg/kg dry	
Sodium	---	U	75	mg/kg dry	
Thallium	---	U	1.5	mg/kg dry	
Tin	---	U	0.75	mg/kg dry	
Vanadium	9.6		1.5	mg/kg dry	
Zinc	29		1.5	mg/kg dry	
Field ID: KR-SB-08-A				Sample ID: 1606039-06	
VOA GCMS					
Dichlorodifluoromethane	---	U	5.1	ug/kg dry	
Chloromethane	---	U	5.1	ug/kg dry	
Vinyl Chloride	---	U	5.1	ug/kg dry	
Bromomethane	---	U J	130	ug/kg dry	
Chloroethane	---	U	5.1	ug/kg dry	
Trichlorofluoromethane	---	U	5.1	ug/kg dry	
1,1-Dichloroethene	---	U	5.1	ug/kg dry	
1,1,2-Trichloro-1,2,2-Trifluoroethane	---	U	5.1	ug/kg dry	
Carbon Disulfide	---	U	5.1	ug/kg dry	
Acetone	11	J	10	ug/kg dry	
Methyl Acetate	---	U J	5.1	ug/kg dry	
Methylene Chloride	---	U	5.1	ug/kg dry	
trans-1,2-Dichloroethene	---	U	5.1	ug/kg dry	
cis-1,2-Dichloroethene	---	U	5.1	ug/kg dry	
Methyl tert-Butyl Ether	---	U L	5.1	ug/kg dry	
1,1-Dichloroethane	---	U	5.1	ug/kg dry	
2-Butanone	---	U	10	ug/kg dry	
Bromochloromethane	---	U	5.1	ug/kg dry	
Chloroform	---	U	5.1	ug/kg dry	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SB-08-A				Sample ID: 1606039-06	
VOA GCMS					
1,2-Dichloroethane	---	U	5.1	ug/kg dry	
1,1,1-Trichloroethane	---	U	5.1	ug/kg dry	
Cyclohexane	---	U	5.1	ug/kg dry	
Carbon Tetrachloride	---	U	5.1	ug/kg dry	
Benzene	---	U	5.1	ug/kg dry	
Trichloroethene	---	U	5.1	ug/kg dry	
Methylcyclohexane	---	U	5.1	ug/kg dry	
1,2-Dichloropropane	---	U J	5.1	ug/kg dry	
Bromodichloromethane	---	U	5.1	ug/kg dry	
cis-1,3-Dichloropropene	---	U	10	ug/kg dry	
trans-1,3-Dichloropropene	---	U	5.1	ug/kg dry	
1,1,2-Trichloroethane	---	U	5.1	ug/kg dry	
Dibromochloromethane	---	U	5.1	ug/kg dry	
Bromoform	---	U	5.1	ug/kg dry	
4-Methyl-2-Pentanone	---	U J	10	ug/kg dry	
Toluene	---	U J	5.1	ug/kg dry	
Tetrachloroethene	9.7		5.1	ug/kg dry	
2-Hexanone	---	U	98	ug/kg dry	
1,2-Dibromoethane	---	U	5.1	ug/kg dry	
Chlorobenzene	---	U	5.1	ug/kg dry	
Ethylbenzene	---	U	5.1	ug/kg dry	
m/p-Xylene	---	U	5.1	ug/kg dry	
o-Xylene	---	U	5.1	ug/kg dry	
Styrene	---	U	5.1	ug/kg dry	
Isopropylbenzene	---	U	5.1	ug/kg dry	
1,1,2,2-Tetrachloroethane	---	U	5.1	ug/kg dry	
1,3-Dichlorobenzene	---	U	5.1	ug/kg dry	
1,4-Dichlorobenzene	---	U	5.1	ug/kg dry	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SB-08-A				Sample ID: 1606039-06	
VOA GCMS					
1,2-Dichlorobenzene	---	U	5.1	ug/kg dry	
1,2-Dibromo-3-Chloropropane	---	U	5.1	ug/kg dry	
1,2,4-Trichlorobenzene	---	U	5.1	ug/kg dry	
1,2,3-Trichlorobenzene	---	U	5.1	ug/kg dry	
Metals ICP					
Aluminum	6400		8.2	mg/kg dry	
Antimony	---	U	1.6	mg/kg dry	
Arsenic	3.2		0.66	mg/kg dry	
Barium	25		8.2	mg/kg dry	
Beryllium	0.25		0.25	mg/kg dry	
Cadmium	---	U	0.25	mg/kg dry	
Calcium	290		41	mg/kg dry	
Chromium	8.5		0.41	mg/kg dry	
Cobalt	6.0		1.6	mg/kg dry	
Copper	16		0.82	mg/kg dry	
Iron	16000		4.1	mg/kg dry	
Lead	15		0.66	mg/kg dry	
Magnesium	2000		41	mg/kg dry	
Manganese	460		0.41	mg/kg dry	
Nickel	15		1.6	mg/kg dry	
Potassium	290		41	mg/kg dry	
Selenium	---	U	1.6	mg/kg dry	
Silver	---	U	0.41	mg/kg dry	
Sodium	---	U	82	mg/kg dry	
Thallium	---	U	1.6	mg/kg dry	
Tin	1.8		0.82	mg/kg dry	
Vanadium	9.1		1.6	mg/kg dry	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SB-08-A				Sample ID: 1606039-06	
Metals ICP					
Zinc	32		1.6	mg/kg dry	
Field ID: SB-900-A				Sample ID: 1606039-07	
VOA GCMS					
Dichlorodifluoromethane	---	U	4.7	ug/kg dry	
Chloromethane	---	U	4.7	ug/kg dry	
Vinyl Chloride	---	U	4.7	ug/kg dry	
Bromomethane	---	U J	120	ug/kg dry	
Chloroethane	---	U	4.7	ug/kg dry	
Trichlorofluoromethane	---	U	4.7	ug/kg dry	
1,1-Dichloroethene	---	U	4.7	ug/kg dry	
1,1,2-Trichloro-1,2,2-Trifluoroethane	---	U	4.7	ug/kg dry	
Carbon Disulfide	---	U	4.7	ug/kg dry	
Acetone	11	J	9.3	ug/kg dry	
Methyl Acetate	---	U J	4.7	ug/kg dry	
Methylene Chloride	---	U	4.7	ug/kg dry	
trans-1,2-Dichloroethene	---	U	4.7	ug/kg dry	
cis-1,2-Dichloroethene	---	U	4.7	ug/kg dry	
Methyl tert-Butyl Ether	---	U L	4.7	ug/kg dry	
1,1-Dichloroethane	---	U	4.7	ug/kg dry	
2-Butanone	---	U	9.3	ug/kg dry	
Bromochloromethane	---	U	4.7	ug/kg dry	
Chloroform	---	U	4.7	ug/kg dry	
1,2-Dichloroethane	---	U	4.7	ug/kg dry	
1,1,1-Trichloroethane	---	U	4.7	ug/kg dry	
Cyclohexane	---	U	4.7	ug/kg dry	
Carbon Tetrachloride	---	U	4.7	ug/kg dry	
Benzene	---	U	4.7	ug/kg dry	
Trichloroethene	---	U	4.7	ug/kg dry	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: SB-900-A				Sample ID: 1606039-07	
VOA GCMS					
Methylcyclohexane	---	U	4.7	ug/kg dry	
1,2-Dichloropropane	---	U J	4.7	ug/kg dry	
Bromodichloromethane	---	U	4.7	ug/kg dry	
cis-1,3-Dichloropropene	---	U	9.3	ug/kg dry	
trans-1,3-Dichloropropene	---	U	4.7	ug/kg dry	
1,1,2-Trichloroethane	---	U	4.7	ug/kg dry	
Dibromochloromethane	---	U	4.7	ug/kg dry	
Bromoform	---	U	4.7	ug/kg dry	
4-Methyl-2-Pentanone	---	U J	9.3	ug/kg dry	
Toluene	---	U J	4.7	ug/kg dry	
Tetrachloroethene	---	U	4.7	ug/kg dry	
2-Hexanone	---	U	90	ug/kg dry	
1,2-Dibromoethane	---	U	4.7	ug/kg dry	
Chlorobenzene	---	U	4.7	ug/kg dry	
Ethylbenzene	---	U	4.7	ug/kg dry	
m/p-Xylene	---	U	4.7	ug/kg dry	
o-Xylene	---	U	4.7	ug/kg dry	
Styrene	---	U	4.7	ug/kg dry	
Isopropylbenzene	---	U	4.7	ug/kg dry	
1,1,2,2-Tetrachloroethane	---	U	4.7	ug/kg dry	
1,3-Dichlorobenzene	---	U	4.7	ug/kg dry	
1,4-Dichlorobenzene	---	U	4.7	ug/kg dry	
1,2-Dichlorobenzene	---	U	4.7	ug/kg dry	
1,2-Dibromo-3-Chloropropane	---	U	4.7	ug/kg dry	
1,2,4-Trichlorobenzene	---	U	4.7	ug/kg dry	
1,2,3-Trichlorobenzene	---	U	4.7	ug/kg dry	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: SB-900-A				Sample ID: 1606039-07	
Metals ICP					
Aluminum	6500		8.4	mg/kg dry	
Antimony	---	U	1.7	mg/kg dry	
Arsenic	3.7		0.67	mg/kg dry	
Barium	12		8.4	mg/kg dry	
Beryllium	---	U	0.25	mg/kg dry	
Cadmium	---	U	0.25	mg/kg dry	
Calcium	230		42	mg/kg dry	
Chromium	7.9		0.42	mg/kg dry	
Cobalt	5.3		1.7	mg/kg dry	
Copper	10		0.84	mg/kg dry	
Iron	12000		4.2	mg/kg dry	
Lead	6.2		0.67	mg/kg dry	
Magnesium	2100		42	mg/kg dry	
Manganese	320		0.42	mg/kg dry	
Nickel	13		1.7	mg/kg dry	
Potassium	300		42	mg/kg dry	
Selenium	---	U	1.7	mg/kg dry	
Silver	---	U	0.42	mg/kg dry	
Sodium	---	U	84	mg/kg dry	
Thallium	---	U	1.7	mg/kg dry	
Tin	---	U	0.84	mg/kg dry	
Vanadium	9.5		1.7	mg/kg dry	
Zinc	31		1.7	mg/kg dry	
Field ID: KR-SB-09-A				Sample ID: 1606039-08	
VOA GCMS					
Dichlorodifluoromethane	---	U	4.4	ug/kg dry	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SB-09-A				Sample ID: 1606039-08	
VOA GCMS					
Chloromethane	---	U	4.4	ug/kg dry	
Vinyl Chloride	---	U	4.4	ug/kg dry	
Bromomethane	---	U J	110	ug/kg dry	
Chloroethane	---	U	4.4	ug/kg dry	
Trichlorofluoromethane	---	U	4.4	ug/kg dry	
1,1-Dichloroethene	---	U	4.4	ug/kg dry	
1,1,2-Trichloro-1,2,2-Trifluoroethane	---	U	4.4	ug/kg dry	
Carbon Disulfide	---	U	4.4	ug/kg dry	
Acetone	18	J	8.9	ug/kg dry	
Methyl Acetate	---	U J	4.4	ug/kg dry	
Methylene Chloride	---	U	4.4	ug/kg dry	
trans-1,2-Dichloroethene	---	U	4.4	ug/kg dry	
cis-1,2-Dichloroethene	---	U	4.4	ug/kg dry	
Methyl tert-Butyl Ether	---	U L	4.4	ug/kg dry	
1,1-Dichloroethane	---	U	4.4	ug/kg dry	
2-Butanone	---	U	8.9	ug/kg dry	
Bromochloromethane	---	U	4.4	ug/kg dry	
Chloroform	---	U	4.4	ug/kg dry	
1,2-Dichloroethane	---	U	4.4	ug/kg dry	
1,1,1-Trichloroethane	---	U	4.4	ug/kg dry	
Cyclohexane	---	U	4.4	ug/kg dry	
Carbon Tetrachloride	---	U	4.4	ug/kg dry	
Benzene	---	U	4.4	ug/kg dry	
Trichloroethene	---	U	4.4	ug/kg dry	
Methylcyclohexane	---	U	4.4	ug/kg dry	
1,2-Dichloropropane	---	U J	4.4	ug/kg dry	
Bromodichloromethane	---	U	4.4	ug/kg dry	
cis-1,3-Dichloropropene	---	U	8.9	ug/kg dry	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SB-09-A				Sample ID: 1606039-08	
VOA GCMS					
trans-1,3-Dichloropropene	---	U	4.4	ug/kg dry	
1,1,2-Trichloroethane	---	U	4.4	ug/kg dry	
Dibromochloromethane	---	U	4.4	ug/kg dry	
Bromoform	---	U	4.4	ug/kg dry	
4-Methyl-2-Pentanone	---	U J	8.9	ug/kg dry	
Toluene	---	U J	4.4	ug/kg dry	
Tetrachloroethene	11		4.4	ug/kg dry	
2-Hexanone	---	U	86	ug/kg dry	
1,2-Dibromoethane	---	U	4.4	ug/kg dry	
Chlorobenzene	---	U	4.4	ug/kg dry	
Ethylbenzene	---	U	4.4	ug/kg dry	
m/p-Xylene	---	U	4.4	ug/kg dry	
o-Xylene	---	U	4.4	ug/kg dry	
Styrene	---	U	4.4	ug/kg dry	
Isopropylbenzene	---	U	4.4	ug/kg dry	
1,1,2,2-Tetrachloroethane	---	U	4.4	ug/kg dry	
1,3-Dichlorobenzene	---	U	4.4	ug/kg dry	
1,4-Dichlorobenzene	---	U	4.4	ug/kg dry	
1,2-Dichlorobenzene	---	U	4.4	ug/kg dry	
1,2-Dibromo-3-Chloropropane	---	U	4.4	ug/kg dry	
1,2,4-Trichlorobenzene	---	U	4.4	ug/kg dry	
1,2,3-Trichlorobenzene	---	U	4.4	ug/kg dry	
NVOA GCMS					
1,4-Dioxane	---	U	71.3	ug/kg dry	
Benzaldehyde	---	U	106	ug/kg dry	
Phenol	---	U	106	ug/kg dry	
Bis(2-Chloroethyl)Ether	---	U	106	ug/kg dry	
2-Chlorophenol	---	U	106	ug/kg dry	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SB-09-A				Sample ID: 1606039-08	
NVOA GCMS					
2-Methylphenol	---	U	106	ug/kg dry	
Bis(2-Chloroisopropyl)Ether	---	U	106	ug/kg dry	
Acetophenone	---	U	106	ug/kg dry	
4-Methylphenol	---	U	106	ug/kg dry	
N-Nitroso-Di-N-Propylamine	---	U	106	ug/kg dry	
Hexachloroethane	---	U	106	ug/kg dry	
Nitrobenzene	---	U	106	ug/kg dry	
Isophorone	---	U	106	ug/kg dry	
2-Nitrophenol	---	U	106	ug/kg dry	
2,4-Dimethylphenol	---	U	106	ug/kg dry	
Bis(-2-Chloroethoxy)Methane	---	U	106	ug/kg dry	
2,4-Dichlorophenol	---	U	106	ug/kg dry	
Naphthalene	---	U	106	ug/kg dry	
4-Chloroaniline	---	U	106	ug/kg dry	
Hexachlorobutadiene	---	U	106	ug/kg dry	
Caprolactam	---	U	106	ug/kg dry	
4-Chloro-3-Methylphenol	---	U	106	ug/kg dry	
2-Methylnaphthalene	---	U	106	ug/kg dry	
1,2,4,5-Tetrachlorobenzene	---	U	106	ug/kg dry	
Hexachlorocyclopentadiene	---	U	106	ug/kg dry	
2,4,6-Trichlorophenol	---	U	106	ug/kg dry	
2,4,5-Trichlorophenol	---	U	106	ug/kg dry	
Biphenyl	---	U	106	ug/kg dry	
2-Chloronaphthalene	---	U	106	ug/kg dry	
2-Nitroaniline	---	U	106	ug/kg dry	
Dimethyl Phthalate	194		106	ug/kg dry	
Acenaphthylene	---	U	106	ug/kg dry	
2,6-Dinitrotoluene	---	U	106	ug/kg dry	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SB-09-A				Sample ID: 1606039-08	
NVOA GCMS					
3-Nitroaniline	---	U	106	ug/kg dry	
Acenaphthene	---	U	106	ug/kg dry	
2,4-Dinitrophenol	---	U J	887	ug/kg dry	
4-Nitrophenol	---	U	106	ug/kg dry	
Dibenzofuran	---	U	106	ug/kg dry	
2,4-Dinitrotoluene	---	U	106	ug/kg dry	
2,3,4,6-Tetrachlorophenol	---	U	106	ug/kg dry	
Fluorene	---	U	106	ug/kg dry	
Diethylphthalate	---	U	106	ug/kg dry	
4-Chlorophenyl-Phenylether	---	U	106	ug/kg dry	
4-Nitroaniline	---	U	106	ug/kg dry	
4,6-Dinitro-2-Methylphenol	---	U	106	ug/kg dry	
N-Nitrosodiphenylamine	---	U	106	ug/kg dry	
4-Bromophenyl-Phenylether	---	U	106	ug/kg dry	
Hexachlorobenzene	---	U	106	ug/kg dry	
Atrazine	---	U	106	ug/kg dry	
Pentachlorophenol	---	U	106	ug/kg dry	
Phenanthrene	---	U	106	ug/kg dry	
Anthracene	---	U	106	ug/kg dry	
Carbazole	---	U	106	ug/kg dry	
Di-N-Butyl Phthalate	---	U	106	ug/kg dry	
Fluoranthene	---	U	106	ug/kg dry	
Pyrene	---	U	106	ug/kg dry	
Butylbenzylphthalate	---	U	106	ug/kg dry	
3,3'- Dichlorobenzidine	---	U	106	ug/kg dry	
Benzo(A)Anthracene	---	U	106	ug/kg dry	
Chrysene	---	U	106	ug/kg dry	
Bis(2-Ethylhexyl)Phthalate	---	U	106	ug/kg dry	

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Field ID: KR-SB-09-A				Sample ID: 1606039-08	
NVOA GCMS					
Di-N-Octyl Phthalate	---	U	106	ug/kg dry	
Benzo(B)Fluoranthene	---	U	106	ug/kg dry	
Benzo(K)Fluoranthene	---	U	106	ug/kg dry	
Benzo(A)Pyrene	---	U	106	ug/kg dry	
Indeno(1,2,3-Cd)Pyrene	---	U	106	ug/kg dry	
Dibenzo(A,H)Anthracene	---	U	106	ug/kg dry	
Benzo(G,H,I)Perylene	---	U	106	ug/kg dry	
Metals ICP					
Aluminum	7200		8.8	mg/kg dry	
Antimony	---	U	1.8	mg/kg dry	
Arsenic	2.9		0.70	mg/kg dry	
Barium	43		8.8	mg/kg dry	
Beryllium	---	U	0.26	mg/kg dry	
Cadmium	---	U	0.26	mg/kg dry	
Calcium	590		44	mg/kg dry	
Chromium	7.5		0.44	mg/kg dry	
Cobalt	4.5		1.8	mg/kg dry	
Copper	7.8		0.88	mg/kg dry	
Iron	11000		4.4	mg/kg dry	
Lead	6.7		0.70	mg/kg dry	
Magnesium	1500		44	mg/kg dry	
Manganese	420		0.44	mg/kg dry	
Nickel	10		1.8	mg/kg dry	
Potassium	340		44	mg/kg dry	
Selenium	---	U	1.8	mg/kg dry	
Silver	---	U	0.44	mg/kg dry	
Sodium	---	U	88	mg/kg dry	

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SB-09-A				Sample ID: 1606039-08	
Metals ICP					
Thallium	---	U	1.8	mg/kg dry	
Tin	---	U	0.88	mg/kg dry	
Vanadium	10		1.8	mg/kg dry	
Zinc	28		1.8	mg/kg dry	
Field ID: KR-SB-11-A				Sample ID: 1606039-09	
VOA GCMS					
Dichlorodifluoromethane	---	U	4.7	ug/kg dry	
Chloromethane	---	U	4.7	ug/kg dry	
Vinyl Chloride	---	U	4.7	ug/kg dry	
Bromomethane	---	U J	120	ug/kg dry	
Chloroethane	---	U	4.7	ug/kg dry	
Trichlorofluoromethane	---	U	4.7	ug/kg dry	
1,1-Dichloroethene	---	U	4.7	ug/kg dry	
1,1,2-Trichloro-1,2,2-Trifluoroethane	---	U	4.7	ug/kg dry	
Carbon Disulfide	---	U	4.7	ug/kg dry	
Acetone	22	J	9.3	ug/kg dry	
Methyl Acetate	---	U J	4.7	ug/kg dry	
Methylene Chloride	---	U	4.7	ug/kg dry	
trans-1,2-Dichloroethene	---	U	4.7	ug/kg dry	
cis-1,2-Dichloroethene	---	U	4.7	ug/kg dry	
Methyl tert-Butyl Ether	---	U L	4.7	ug/kg dry	
1,1-Dichloroethane	---	U	4.7	ug/kg dry	
2-Butanone	---	U	9.3	ug/kg dry	
Bromochloromethane	---	U	4.7	ug/kg dry	
Chloroform	---	U	4.7	ug/kg dry	
1,2-Dichloroethane	---	U	4.7	ug/kg dry	
1,1,1-Trichloroethane	---	U	4.7	ug/kg dry	
Cyclohexane	---	U	4.7	ug/kg dry	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SB-11-A				Sample ID: 1606039-09	
VOA GCMS					
Carbon Tetrachloride	---	U	4.7	ug/kg dry	
Benzene	---	U	4.7	ug/kg dry	
Trichloroethene	---	U	4.7	ug/kg dry	
Methylcyclohexane	---	U	4.7	ug/kg dry	
1,2-Dichloropropane	---	U J	4.7	ug/kg dry	
Bromodichloromethane	---	U	4.7	ug/kg dry	
cis-1,3-Dichloropropene	---	U	9.3	ug/kg dry	
trans-1,3-Dichloropropene	---	U	4.7	ug/kg dry	
1,1,2-Trichloroethane	---	U	4.7	ug/kg dry	
Dibromochloromethane	---	U	4.7	ug/kg dry	
Bromoform	---	U	4.7	ug/kg dry	
4-Methyl-2-Pentanone	---	U J	9.3	ug/kg dry	
Toluene	---	U J	4.7	ug/kg dry	
Tetrachloroethene	1600		49	ug/kg dry	
2-Hexanone	---	U	91	ug/kg dry	
1,2-Dibromoethane	---	U	4.7	ug/kg dry	
Chlorobenzene	---	U	4.7	ug/kg dry	
Ethylbenzene	---	U	4.7	ug/kg dry	
m/p-Xylene	---	U	4.7	ug/kg dry	
o-Xylene	---	U	4.7	ug/kg dry	
Styrene	---	U	4.7	ug/kg dry	
Isopropylbenzene	---	U	4.7	ug/kg dry	
1,1,2,2-Tetrachloroethane	---	U	4.7	ug/kg dry	
1,3-Dichlorobenzene	---	U	4.7	ug/kg dry	
1,4-Dichlorobenzene	---	U	4.7	ug/kg dry	
1,2-Dichlorobenzene	---	U	4.7	ug/kg dry	
1,2-Dibromo-3-Chloropropane	---	U	4.7	ug/kg dry	
1,2,4-Trichlorobenzene	---	U	4.7	ug/kg dry	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SB-11-A				Sample ID: 1606039-09	
VOA GCMS					
1,2,3-Trichlorobenzene	---	U	4.7	ug/kg dry	
NVOA GCMS					
1,4-Dioxane	---	U	72.5	ug/kg dry	
Benzaldehyde	---	U	108	ug/kg dry	
Phenol	---	U	108	ug/kg dry	
Bis(2-Chloroethyl)Ether	---	U	108	ug/kg dry	
2-Chlorophenol	---	U	108	ug/kg dry	
2-Methylphenol	---	U	108	ug/kg dry	
Bis(2-Chloroisopropyl)Ether	---	U	108	ug/kg dry	
Acetophenone	---	U	108	ug/kg dry	
4-Methylphenol	---	U	108	ug/kg dry	
N-Nitroso-Di-N-Propylamine	---	U	108	ug/kg dry	
Hexachloroethane	---	U	108	ug/kg dry	
Nitrobenzene	---	U	108	ug/kg dry	
Isophorone	---	U	108	ug/kg dry	
2-Nitrophenol	---	U	108	ug/kg dry	
2,4-Dimethylphenol	---	U	108	ug/kg dry	
Bis(-2-Chloroethoxy)Methane	---	U	108	ug/kg dry	
2,4-Dichlorophenol	---	U	108	ug/kg dry	
Naphthalene	406		108	ug/kg dry	
4-Chloroaniline	---	U	108	ug/kg dry	
Hexachlorobutadiene	---	U	108	ug/kg dry	
Caprolactam	---	U	108	ug/kg dry	
4-Chloro-3-Methylphenol	---	U	108	ug/kg dry	
2-Methylnaphthalene	414		108	ug/kg dry	
1,2,4,5-Tetrachlorobenzene	---	U	108	ug/kg dry	
Hexachlorocyclopentadiene	---	U	108	ug/kg dry	
2,4,6-Trichlorophenol	---	U	108	ug/kg dry	

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Field ID: KR-SB-11-A				Sample ID: 1606039-09	
NVOA GCMS					
2,4,5-Trichlorophenol	---	U	108	ug/kg dry	
Biphenyl	---	U	108	ug/kg dry	
2-Chloronaphthalene	---	U	108	ug/kg dry	
2-Nitroaniline	---	U	108	ug/kg dry	
Dimethyl Phthalate	215		108	ug/kg dry	
Acenaphthylene	400		108	ug/kg dry	
2,6-Dinitrotoluene	---	U	108	ug/kg dry	
3-Nitroaniline	---	U	108	ug/kg dry	
Acenaphthene	---	U	108	ug/kg dry	
2,4-Dinitrophenol	---	U J	901	ug/kg dry	
4-Nitrophenol	---	U	108	ug/kg dry	
Dibenzofuran	203		108	ug/kg dry	
2,4-Dinitrotoluene	---	U	108	ug/kg dry	
2,3,4,6-Tetrachlorophenol	---	U	108	ug/kg dry	
Fluorene	---	U	108	ug/kg dry	
Diethylphthalate	---	U	108	ug/kg dry	
4-Chlorophenyl-Phenylether	---	U	108	ug/kg dry	
4-Nitroaniline	---	U	108	ug/kg dry	
4,6-Dinitro-2-Methylphenol	---	U	108	ug/kg dry	
N-Nitrosodiphenylamine	---	U	108	ug/kg dry	
4-Bromophenyl-Phenylether	---	U	108	ug/kg dry	
Hexachlorobenzene	---	U	108	ug/kg dry	
Atrazine	---	U	108	ug/kg dry	
Pentachlorophenol	---	U	108	ug/kg dry	
Phenanthrene	699		108	ug/kg dry	
Anthracene	272		108	ug/kg dry	
Carbazole	---	U	108	ug/kg dry	
Di-N-Butyl Phthalate	---	U	108	ug/kg dry	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SB-11-A				Sample ID: 1606039-09	
NVOA GCMS					
Fluoranthene	2520		108	ug/kg dry	
Pyrene	2070		108	ug/kg dry	
Butylbenzylphthalate	---	U	108	ug/kg dry	
3,3'- Dichlorobenzidine	---	U	108	ug/kg dry	
Benzo(A)Anthracene	1920		108	ug/kg dry	
Chrysene	1950		108	ug/kg dry	
Bis(2-Ethylhexyl)Phthalate	---	U	108	ug/kg dry	
Di-N-Octyl Phthalate	---	U	108	ug/kg dry	
Benzo(B)Fluoranthene	2720		108	ug/kg dry	
Benzo(K)Fluoranthene	947		108	ug/kg dry	
Benzo(A)Pyrene	1510		108	ug/kg dry	
Indeno(1,2,3-Cd)Pyrene	1090		108	ug/kg dry	
Dibenzo(A,H)Anthracene	297		108	ug/kg dry	
Benzo(G,H,I)Perylene	793		108	ug/kg dry	
11H-Benzo[a]fluoren-11-one	950	NJ		ug/kg dry	
11H-Benzo[b]fluorene	1260	NJ		ug/kg dry	
Benz[a]anthracene, 7-methyl-	922	NJ		ug/kg dry	
Heptadecane, 2,6-dimethyl-	1960	NJ		ug/kg dry	
Hexadecane, 2,6,10,14-tetra...	1170	NJ		ug/kg dry	
Hexanoic acid, 2-ethyl-	4160	NJ		ug/kg dry	
Phenanthrene, 2,5-dimethyl-	743	NJ		ug/kg dry	
Phenanthrene, 2-methyl-	762	NJ		ug/kg dry	
Tetrachloroethylene	4930	NJ		ug/kg dry	
Metals ICP					
Aluminum	5400		8.8	mg/kg dry	
Antimony	4.1		1.8	mg/kg dry	

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Field ID: KR-SB-11-A				Sample ID: 1606039-09	
Metals ICP					
Arsenic	8.0		0.71	mg/kg dry	
Barium	44		8.8	mg/kg dry	
Beryllium	0.28		0.26	mg/kg dry	
Cadmium	---	U	0.26	mg/kg dry	
Calcium	1300		44	mg/kg dry	
Chromium	9.6		0.44	mg/kg dry	
Cobalt	6.4		1.8	mg/kg dry	
Copper	64		0.88	mg/kg dry	
Iron	19000		4.4	mg/kg dry	
Lead	79		0.71	mg/kg dry	
Magnesium	1600		44	mg/kg dry	
Manganese	370		0.44	mg/kg dry	
Nickel	16		1.8	mg/kg dry	
Potassium	320		44	mg/kg dry	
Selenium	---	U	1.8	mg/kg dry	
Silver	---	U	0.44	mg/kg dry	
Sodium	---	U	88	mg/kg dry	
Thallium	---	U	1.8	mg/kg dry	
Tin	8.8		0.88	mg/kg dry	
Vanadium	10		1.8	mg/kg dry	
Zinc	38		1.8	mg/kg dry	
Field ID: KR-SS-09-A				Sample ID: 1606039-10	
NVOA GCMS					
1,4-Dioxane	---	U	70.1	ug/kg dry	
Benzaldehyde	---	U	105	ug/kg dry	
Phenol	---	U	105	ug/kg dry	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SS-09-A				Sample ID: 1606039-10	
NVOA GCMS					
Bis(2-Chloroethyl)Ether	---	U	105	ug/kg dry	
2-Chlorophenol	---	U	105	ug/kg dry	
2-Methylphenol	---	U	105	ug/kg dry	
Bis(2-Chloroisopropyl)Ether	---	U	105	ug/kg dry	
Acetophenone	---	U	105	ug/kg dry	
4-Methylphenol	---	U	105	ug/kg dry	
N-Nitroso-Di-N-Propylamine	---	U	105	ug/kg dry	
Hexachloroethane	---	U	105	ug/kg dry	
Nitrobenzene	---	U	105	ug/kg dry	
Isophorone	---	U	105	ug/kg dry	
2-Nitrophenol	---	U	105	ug/kg dry	
2,4-Dimethylphenol	---	U	105	ug/kg dry	
Bis(-2-Chloroethoxy)Methane	---	U	105	ug/kg dry	
2,4-Dichlorophenol	---	U	105	ug/kg dry	
Naphthalene	---	U	105	ug/kg dry	
4-Chloroaniline	---	U	105	ug/kg dry	
Hexachlorobutadiene	---	U	105	ug/kg dry	
Caprolactam	---	U	105	ug/kg dry	
4-Chloro-3-Methylphenol	---	U	105	ug/kg dry	
2-Methylnaphthalene	---	U	105	ug/kg dry	
1,2,4,5-Tetrachlorobenzene	---	U	105	ug/kg dry	
Hexachlorocyclopentadiene	---	U	105	ug/kg dry	
2,4,6-Trichlorophenol	---	U	105	ug/kg dry	
2,4,5-Trichlorophenol	---	U	105	ug/kg dry	
Biphenyl	---	U	105	ug/kg dry	
2-Chloronaphthalene	---	U	105	ug/kg dry	
2-Nitroaniline	---	U	105	ug/kg dry	
Dimethyl Phthalate	116		105	ug/kg dry	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SS-09-A				Sample ID: 1606039-10	
NVOA GCMS					
Acenaphthylene	108		105	ug/kg dry	
2,6-Dinitrotoluene	---	U	105	ug/kg dry	
3-Nitroaniline	---	U	105	ug/kg dry	
Acenaphthene	108		105	ug/kg dry	
2,4-Dinitrophenol	---	U J	872	ug/kg dry	
4-Nitrophenol	---	U	105	ug/kg dry	
Dibenzofuran	---	U	105	ug/kg dry	
2,4-Dinitrotoluene	---	U	105	ug/kg dry	
2,3,4,6-Tetrachlorophenol	---	U	105	ug/kg dry	
Fluorene	192		105	ug/kg dry	
Diethylphthalate	---	U	105	ug/kg dry	
4-Chlorophenyl-Phenylether	---	U	105	ug/kg dry	
4-Nitroaniline	---	U	105	ug/kg dry	
4,6-Dinitro-2-Methylphenol	---	U	105	ug/kg dry	
N-Nitrosodiphenylamine	---	U	105	ug/kg dry	
4-Bromophenyl-Phenylether	---	U	105	ug/kg dry	
Hexachlorobenzene	---	U	105	ug/kg dry	
Atrazine	---	U	105	ug/kg dry	
Pentachlorophenol	---	U	105	ug/kg dry	
Phenanthrene	2960		105	ug/kg dry	
Anthracene	1980		105	ug/kg dry	
Carbazole	344		105	ug/kg dry	
Di-N-Butyl Phthalate	---	U	105	ug/kg dry	
Butylbenzylphthalate	---	U	105	ug/kg dry	
3,3'- Dichlorobenzidine	---	U	105	ug/kg dry	
Benzo(A)Anthracene	2950		105	ug/kg dry	
Bis(2-Ethylhexyl)Phthalate	---	U	105	ug/kg dry	
Di-N-Octyl Phthalate	---	U	105	ug/kg dry	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SS-09-A				Sample ID: 1606039-10	
NVOA GCMS					
Benzo(K)Fluoranthene	1220		105	ug/kg dry	
Benzo(A)Pyrene	1580		105	ug/kg dry	
Indeno(1,2,3-Cd)Pyrene	876		105	ug/kg dry	
Dibenzo(A,H)Anthracene	216		105	ug/kg dry	
Benzo(G,H,I)Perylene	627		105	ug/kg dry	
11H-Benzo[a]fluoren-11-one (01)	1420	NJ		ug/kg dry	
11H-Benzo[b]fluorene	1500	NJ		ug/kg dry	
4H-Cyclopenta[def]phenanthrene	1340	NJ		ug/kg dry	
Benzo[b]naphtho[2,3-d]thiop...	888	NJ		ug/kg dry	
Phenanthrene, 2-methyl-	895	NJ		ug/kg dry	
Pyrene, 1-methyl-	1060	NJ		ug/kg dry	
Metals ICP					
Aluminum	5700		8.6	mg/kg dry	
Antimony	3.7		1.7	mg/kg dry	
Arsenic	7.2		0.69	mg/kg dry	
Barium	46		8.6	mg/kg dry	
Beryllium	0.28		0.26	mg/kg dry	
Cadmium	0.36		0.26	mg/kg dry	
Calcium	11000		43	mg/kg dry	
Chromium	9.4		0.43	mg/kg dry	
Cobalt	6.6		1.7	mg/kg dry	
Copper	77		0.86	mg/kg dry	
Iron	20000		4.3	mg/kg dry	
Lead	170		0.69	mg/kg dry	
Magnesium	2000		43	mg/kg dry	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SS-09-A				Sample ID: 1606039-10	
Metals ICP					
Manganese	410		0.43	mg/kg dry	
Nickel	15		1.7	mg/kg dry	
Potassium	390		43	mg/kg dry	
Selenium	---	U	1.7	mg/kg dry	
Silver	---	U	0.43	mg/kg dry	
Sodium	---	U	86	mg/kg dry	
Thallium	---	U	1.7	mg/kg dry	
Tin	10		0.86	mg/kg dry	
Vanadium	11		1.7	mg/kg dry	
Zinc	58		1.7	mg/kg dry	
Field ID: SB-900-B				Sample ID: 1606039-11	
VOA GCMS					
Dichlorodifluoromethane	---	U	6.0	ug/kg dry	
Chloromethane	6.3		6.0	ug/kg dry	
Vinyl Chloride	---	U	6.0	ug/kg dry	
Bromomethane	---	U J	150	ug/kg dry	
Chloroethane	---	U	6.0	ug/kg dry	
Trichlorofluoromethane	---	U	6.0	ug/kg dry	
1,1-Dichloroethene	---	U	6.0	ug/kg dry	
1,1,2-Trichloro-1,2,2-Trifluoroethane	---	U	6.0	ug/kg dry	
Carbon Disulfide	---	U	6.0	ug/kg dry	
Acetone	33	J	12	ug/kg dry	
Methyl Acetate	6.1	J	6.0	ug/kg dry	
Methylene Chloride	---	U	6.0	ug/kg dry	
trans-1,2-Dichloroethene	---	U	6.0	ug/kg dry	
cis-1,2-Dichloroethene	---	U	6.0	ug/kg dry	
Methyl tert-Butyl Ether	---	U L	6.0	ug/kg dry	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: SB-900-B				Sample ID: 1606039-11	
VOA GCMS					
1,1-Dichloroethane	---	U	6.0	ug/kg dry	
2-Butanone	---	U	12	ug/kg dry	
Bromochloromethane	---	U	6.0	ug/kg dry	
Chloroform	---	U	6.0	ug/kg dry	
1,2-Dichloroethane	---	U	6.0	ug/kg dry	
1,1,1-Trichloroethane	---	U	6.0	ug/kg dry	
Cyclohexane	---	U	6.0	ug/kg dry	
Carbon Tetrachloride	---	U	6.0	ug/kg dry	
Benzene	---	U	6.0	ug/kg dry	
Trichloroethene	11		6.0	ug/kg dry	
Methylcyclohexane	---	U	6.0	ug/kg dry	
1,2-Dichloropropane	---	U J	6.0	ug/kg dry	
Bromodichloromethane	---	U	6.0	ug/kg dry	
cis-1,3-Dichloropropene	---	U	12	ug/kg dry	
trans-1,3-Dichloropropene	---	U	6.0	ug/kg dry	
1,1,2-Trichloroethane	---	U	6.0	ug/kg dry	
Dibromochloromethane	---	U	6.0	ug/kg dry	
Bromoform	---	U	6.0	ug/kg dry	
4-Methyl-2-Pentanone	---	U J	12	ug/kg dry	
Toluene	---	U J	6.0	ug/kg dry	
Tetrachloroethene	830	K	33	ug/kg dry	
2-Hexanone	---	U	120	ug/kg dry	
1,2-Dibromoethane	---	U	6.0	ug/kg dry	
Chlorobenzene	---	U	6.0	ug/kg dry	
Ethylbenzene	---	U	6.0	ug/kg dry	
m/p-Xylene	---	U	6.0	ug/kg dry	
o-Xylene	---	U	6.0	ug/kg dry	
Styrene	---	U	6.0	ug/kg dry	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: SB-900-B				Sample ID: 1606039-11	
VOA GCMS					
Isopropylbenzene	---	U	6.0	ug/kg dry	
1,1,2,2-Tetrachloroethane	---	U	6.0	ug/kg dry	
1,3-Dichlorobenzene	---	U	6.0	ug/kg dry	
1,4-Dichlorobenzene	---	U	6.0	ug/kg dry	
1,2-Dichlorobenzene	---	U	6.0	ug/kg dry	
1,2-Dibromo-3-Chloropropane	---	U	6.0	ug/kg dry	
1,2,4-Trichlorobenzene	---	U	6.0	ug/kg dry	
1,2,3-Trichlorobenzene	---	U	6.0	ug/kg dry	
Propene	16			ug/kg dry	
NVOA GCMS					
1,4-Dioxane	---	U	72.5	ug/kg dry	
Benzaldehyde	---	U	108	ug/kg dry	
Phenol	---	U	108	ug/kg dry	
Bis(2-Chloroethyl)Ether	---	U	108	ug/kg dry	
2-Chlorophenol	---	U	108	ug/kg dry	
2-Methylphenol	---	U	108	ug/kg dry	
Bis(2-Chloroisopropyl)Ether	---	U	108	ug/kg dry	
Acetophenone	---	U	108	ug/kg dry	
4-Methylphenol	---	U	108	ug/kg dry	
N-Nitroso-Di-N-Propylamine	---	U	108	ug/kg dry	
Hexachloroethane	---	U	108	ug/kg dry	
Nitrobenzene	---	U	108	ug/kg dry	
Isophorone	---	U	108	ug/kg dry	
2-Nitrophenol	---	U	108	ug/kg dry	
2,4-Dimethylphenol	---	U	108	ug/kg dry	
Bis(-2-Chloroethoxy)Methane	---	U	108	ug/kg dry	
2,4-Dichlorophenol	---	U	108	ug/kg dry	
Naphthalene	300		108	ug/kg dry	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: SB-900-B				Sample ID: 1606039-11	
NVOA GCMS					
4-Chloroaniline	---	U	108	ug/kg dry	
Hexachlorobutadiene	---	U	108	ug/kg dry	
Caprolactam	---	U	108	ug/kg dry	
4-Chloro-3-Methylphenol	---	U	108	ug/kg dry	
2-Methylnaphthalene	280		108	ug/kg dry	
1,2,4,5-Tetrachlorobenzene	---	U	108	ug/kg dry	
Hexachlorocyclopentadiene	---	U	108	ug/kg dry	
2,4,6-Trichlorophenol	---	U	108	ug/kg dry	
2,4,5-Trichlorophenol	---	U	108	ug/kg dry	
Biphenyl	---	U	108	ug/kg dry	
2-Chloronaphthalene	---	U	108	ug/kg dry	
2-Nitroaniline	---	U	108	ug/kg dry	
Dimethyl Phthalate	142		108	ug/kg dry	
Acenaphthylene	395		108	ug/kg dry	
2,6-Dinitrotoluene	---	U	108	ug/kg dry	
3-Nitroaniline	---	U	108	ug/kg dry	
Acenaphthene	---	U	108	ug/kg dry	
2,4-Dinitrophenol	---	U J	902	ug/kg dry	
4-Nitrophenol	---	U	108	ug/kg dry	
Dibenzofuran	175		108	ug/kg dry	
2,4-Dinitrotoluene	---	U	108	ug/kg dry	
2,3,4,6-Tetrachlorophenol	---	U	108	ug/kg dry	
Fluorene	---	U	108	ug/kg dry	
Diethylphthalate	---	U	108	ug/kg dry	
4-Chlorophenyl-Phenylether	---	U	108	ug/kg dry	
4-Nitroaniline	---	U	108	ug/kg dry	
4,6-Dinitro-2-Methylphenol	---	U	108	ug/kg dry	
N-Nitrosodiphenylamine	---	U	108	ug/kg dry	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: SB-900-B				Sample ID: 1606039-11	
NVOA GCMS					
4-Bromophenyl-Phenylether	---	U	108	ug/kg dry	
Hexachlorobenzene	---	U	108	ug/kg dry	
Atrazine	---	U	108	ug/kg dry	
Pentachlorophenol	---	U	108	ug/kg dry	
Phenanthrene	793		108	ug/kg dry	
Anthracene	311		108	ug/kg dry	
Carbazole	---	U	108	ug/kg dry	
Di-N-Butyl Phthalate	---	U	108	ug/kg dry	
Fluoranthene	2780		108	ug/kg dry	
Pyrene	2290		108	ug/kg dry	
Butylbenzylphthalate	---	U	108	ug/kg dry	
3,3'- Dichlorobenzidine	---	U	108	ug/kg dry	
Benzo(A)Anthracene	2040		108	ug/kg dry	
Chrysene	1900		108	ug/kg dry	
Bis(2-Ethylhexyl)Phthalate	---	U	108	ug/kg dry	
Di-N-Octyl Phthalate	---	U	108	ug/kg dry	
Benzo(B)Fluoranthene	2910		108	ug/kg dry	
Benzo(K)Fluoranthene	866		108	ug/kg dry	
Benzo(A)Pyrene	1500		108	ug/kg dry	
Indeno(1,2,3-Cd)Pyrene	1010		108	ug/kg dry	
Dibenzo(A,H)Anthracene	277		108	ug/kg dry	
Benzo(G,H,I)Perylene	686		108	ug/kg dry	
11H-Benzo[a]fluoren-11-one	1020	NJ		ug/kg dry	
11H-Benzo[b]fluorene	1230	NJ		ug/kg dry	
Heptadecane, 2,6-dimethyl-	2370	NJ		ug/kg dry	
Heptadecane, 4-methyl-	710	NJ		ug/kg dry	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: SB-900-B				Sample ID: 1606039-11	
NVOA GCMS					
Hexadecane, 2,6,10,14-tetra...	1820	NJ		ug/kg dry	
Hexanoic acid, 2-ethyl-	2850	NJ		ug/kg dry	
Phenanthrene, 2-methyl-	706	NJ		ug/kg dry	
Tetrachloroethylene	1760	NJ		ug/kg dry	
Triphenylene, 2-methyl-	1010	NJ		ug/kg dry	
Metals ICP					
Aluminum	5500		8.0	mg/kg dry	
Antimony	3.8		1.6	mg/kg dry	
Arsenic	6.2		0.64	mg/kg dry	
Barium	50		8.0	mg/kg dry	
Beryllium	0.29		0.24	mg/kg dry	
Cadmium	---	U	0.24	mg/kg dry	
Calcium	1100		40	mg/kg dry	
Chromium	9.6		0.40	mg/kg dry	
Cobalt	6.6		1.6	mg/kg dry	
Copper	63		0.80	mg/kg dry	
Iron	19000		4.0	mg/kg dry	
Lead	76		0.64	mg/kg dry	
Magnesium	1500		40	mg/kg dry	
Manganese	420		0.40	mg/kg dry	
Nickel	17		1.6	mg/kg dry	
Potassium	320		40	mg/kg dry	
Selenium	---	U	1.6	mg/kg dry	
Silver	---	U	0.40	mg/kg dry	
Sodium	---	U	80	mg/kg dry	
Thallium	---	U	1.6	mg/kg dry	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: SB-900-B				Sample ID: 1606039-11	
Metals ICP					
Tin	8.3		0.80	mg/kg dry	
Vanadium	10		1.6	mg/kg dry	
Zinc	38		1.6	mg/kg dry	
Field ID: FB-SB-A				Sample ID: 1606039-12	
VOA-TRACE GCMS					
Dichlorodifluoromethane	---	U	0.50	ug/L	
Chloromethane	---	U	0.50	ug/L	
Vinyl Chloride	---	U	0.50	ug/L	
Bromomethane	---	U	0.50	ug/L	
Chloroethane	---	U	0.50	ug/L	
Trichlorofluoromethane	---	U	0.50	ug/L	
1,1-Dichloroethene	---	U	0.50	ug/L	
1,1,2-Trichloro-1,2,2-Trifluoroethane	---	U	0.50	ug/L	
Carbon Disulfide	---	U	0.50	ug/L	
Acetone	43		5.0	ug/L	
Methyl Acetate	---	U	0.50	ug/L	
Methylene Chloride	---	U	0.50	ug/L	
trans-1,2-Dichloroethene	---	U	0.50	ug/L	
Methyl tert-Butyl Ether	---	U	0.50	ug/L	
1,1-Dichloroethane	---	U	0.50	ug/L	
cis-1,2-Dichloroethene	---	U	0.50	ug/L	
2-Butanone	---	U	5.0	ug/L	
Bromochloromethane	---	U	0.50	ug/L	
Chloroform	---	U	0.50	ug/L	
1,1,1-Trichloroethane	---	U	0.50	ug/L	
Cyclohexane	---	U	0.50	ug/L	
Carbon Tetrachloride	---	U	0.50	ug/L	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: FB-SB-A				Sample ID: 1606039-12	
VOA-TRACE GCMS					
Benzene	---	U	0.50	ug/L	
1,2-Dichloroethane	---	U	0.50	ug/L	
Trichloroethene	---	U	0.50	ug/L	
1,2-Dichloropropane	---	U	0.50	ug/L	
Bromodichloromethane	---	U	0.50	ug/L	
cis-1,3-Dichloropropene	---	U	0.50	ug/L	
4-Methyl-2-Pentanone	---	U	5.0	ug/L	
Toluene	---	U	0.50	ug/L	
trans-1,3-Dichloropropene	---	U	0.50	ug/L	
1,1,2-Trichloroethane	---	U	0.50	ug/L	
Tetrachloroethene	---	U	0.50	ug/L	
Methylcyclohexane	---	U	0.50	ug/L	
Dibromochloromethane	---	U	0.50	ug/L	
1,2-Dibromoethane	---	U	0.50	ug/L	
2-Hexanone	---	U	5.0	ug/L	
Chlorobenzene	---	U	0.50	ug/L	
Ethylbenzene	---	U	0.50	ug/L	
m/p-Xylene	---	U J	0.50	ug/L	
o-Xylene	---	U	0.50	ug/L	
Styrene	---	U	0.50	ug/L	
Bromoform	---	U	0.50	ug/L	
Isopropylbenzene	---	U	0.50	ug/L	
1,1,2,2-Tetrachloroethane	---	U	0.50	ug/L	
1,3-Dichlorobenzene	---	U	0.50	ug/L	
1,4-Dichlorobenzene	---	U	0.50	ug/L	
1,2-Dichlorobenzene	---	U	0.50	ug/L	
1,2-Dibromo-3-Chloropropane	---	U	0.50	ug/L	
1,2,4-Trichlorobenzene	---	U	0.50	ug/L	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: FB-SB-A				Sample ID: 1606039-12	
VOA-TRACE GCMS					
1,2,3-Trichlorobenzene	---	U	0.50	ug/L	
NVOA GCMS					
1,4-Dioxane	---	U	2.1	ug/L	
Benzaldehyde	---	U	5.3	ug/L	
Phenol	---	U	5.3	ug/L	
Bis(2-Chloroethyl)Ether	---	U	5.3	ug/L	
2-Chlorophenol	---	U	5.3	ug/L	
2-Methylphenol	---	U	5.3	ug/L	
Bis(2-Chloroisopropyl)Ether	---	U	5.3	ug/L	
Acetophenone	---	U	5.3	ug/L	
4-Methylphenol	---	U	5.3	ug/L	
N-Nitroso-Di-N-Propylamine	---	U	5.3	ug/L	
Hexachloroethane	---	U	5.3	ug/L	
Nitrobenzene	---	U	5.3	ug/L	
Isophorone	---	U	5.3	ug/L	
2-Nitrophenol	---	U	5.3	ug/L	
2,4-Dimethylphenol	---	U	5.3	ug/L	
Bis(-2-Chloroethoxy)Methane	---	U	5.3	ug/L	
2,4-Dichlorophenol	---	U	5.3	ug/L	
Naphthalene	---	U	5.3	ug/L	
4-Chloroaniline	---	U	5.3	ug/L	
Hexachlorobutadiene	---	U	5.3	ug/L	
Caprolactam	---	U	5.3	ug/L	
4-Chloro-3-Methylphenol	---	U	5.3	ug/L	
2-Methylnaphthalene	---	U	5.3	ug/L	
1,2,4,5-Tetrachlorobenzene	---	U	5.3	ug/L	
Hexachlorocyclopentadiene	---	U	5.3	ug/L	
2,4,6-Trichlorophenol	---	U	5.3	ug/L	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: FB-SB-A				Sample ID: 1606039-12	
NVOA GCMS					
2,4,5-Trichlorophenol	---	U	5.3	ug/L	
Biphenyl	---	U	5.3	ug/L	
2-Chloronaphthalene	---	U	5.3	ug/L	
2-Nitroaniline	---	U	5.3	ug/L	
Dimethyl Phthalate	---	U	5.3	ug/L	
Acenaphthylene	---	U	5.3	ug/L	
2,6-Dinitrotoluene	---	U	5.3	ug/L	
3-Nitroaniline	---	U	5.3	ug/L	
Acenaphthene	---	U	5.3	ug/L	
2,4-Dinitrophenol	---	U	5.3	ug/L	
4-Nitrophenol	---	U	5.3	ug/L	
Dibenzofuran	---	U	5.3	ug/L	
2,4-Dinitrotoluene	---	U	5.3	ug/L	
2,3,4,6-Tetrachlorophenol	---	U	5.3	ug/L	
Fluorene	---	U	5.3	ug/L	
Diethylphthalate	---	U	5.3	ug/L	
4-Chlorophenyl-Phenylether	---	U	5.3	ug/L	
4-Nitroaniline	---	U	5.3	ug/L	
4,6-Dinitro-2-Methylphenol	---	U	5.3	ug/L	
N-Nitrosodiphenylamine	---	U	5.3	ug/L	
4-Bromophenyl-Phenylether	---	U	5.3	ug/L	
Hexachlorobenzene	---	U	5.3	ug/L	
Atrazine	---	U	5.3	ug/L	
Pentachlorophenol	---	U	5.3	ug/L	
Phenanthrene	---	U	5.3	ug/L	
Anthracene	---	U	5.3	ug/L	
Carbazole	---	U	5.3	ug/L	
Di-N-Butyl Phthalate	---	U	5.3	ug/L	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: FB-SB-A				Sample ID: 1606039-12	
NVOA GCMS					
Fluoranthene	---	U	5.3	ug/L	
Pyrene	---	U	5.3	ug/L	
Butylbenzylphthalate	---	U	5.3	ug/L	
3,3'- Dichlorobenzidine	---	U	5.3	ug/L	
Benzo(A)Anthracene	---	U	5.3	ug/L	
Chrysene	---	U	5.3	ug/L	
Bis(2-Ethylhexyl)Phthalate	---	U	5.3	ug/L	
Di-N-Octyl Phthalate	---	U	5.3	ug/L	
Benzo(B)Fluoranthene	---	U	5.3	ug/L	
Benzo(K)Fluoranthene	---	U	5.3	ug/L	
Benzo(A)Pyrene	---	U	5.3	ug/L	
Indeno(1,2,3-Cd)Pyrene	---	U	5.3	ug/L	
Dibenzo(A,H)Anthracene	---	U	5.3	ug/L	
Benzo(G,H,I)Perylene	---	U	5.3	ug/L	
Phenol, 2-methoxy-	13	NJ		ug/L	
Metals ICP					
Aluminum	---	U	100	ug/L	
Antimony	---	U	20	ug/L	
Arsenic	---	U	8.0	ug/L	
Barium	---	U	100	ug/L	
Beryllium	---	U	3.0	ug/L	
Cadmium	---	U	3.0	ug/L	
Calcium	---	U	500	ug/L	
Chromium	---	U	5.0	ug/L	
Cobalt	---	U	20	ug/L	
Copper	---	U	10	ug/L	
Iron	---	U	50	ug/L	
Lead	---	U	8.0	ug/L	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: FB-SB-A				Sample ID: 1606039-12	
Metals ICP					
Magnesium	---	U	500	ug/L	
Manganese	---	U	5.0	ug/L	
Nickel	---	U	20	ug/L	
Potassium	---	U	500	ug/L	
Selenium	---	U	20	ug/L	
Silver	---	U	5.0	ug/L	
Sodium	---	U	1000	ug/L	
Thallium	---	U	20	ug/L	
Vanadium	---	U	20	ug/L	
Zinc	---	U	20	ug/L	
Field ID: FB-GW-B				Sample ID: 1606044-01	
VOA-TRACE GCMS					
Dichlorodifluoromethane	---	U	0.50	ug/L	
Chloromethane	---	U	0.50	ug/L	
Vinyl Chloride	---	U	0.50	ug/L	
Bromomethane	---	U	0.50	ug/L	
Chloroethane	---	U	0.50	ug/L	
Trichlorofluoromethane	---	U	0.50	ug/L	
1,1-Dichloroethene	---	U	0.50	ug/L	
1,1,2-Trichloro-1,2,2-Trifluoroethane	---	U	0.50	ug/L	
Carbon Disulfide	---	U	0.50	ug/L	
Acetone	36		5.0	ug/L	
Methyl Acetate	---	U	0.50	ug/L	
Methylene Chloride	---	U	0.50	ug/L	
trans-1,2-Dichloroethene	---	U	0.50	ug/L	
Methyl tert-Butyl Ether	---	U	0.50	ug/L	
1,1-Dichloroethane	---	U	0.50	ug/L	
cis-1,2-Dichloroethene	---	U	0.50	ug/L	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: FB-GW-B				Sample ID: 1606044-01	
VOA-TRACE GCMS					
2-Butanone	---	U	5.0	ug/L	
Bromochloromethane	---	U	0.50	ug/L	
Chloroform	---	U	0.50	ug/L	
1,1,1-Trichloroethane	---	U	0.50	ug/L	
Cyclohexane	---	U	0.50	ug/L	
Carbon Tetrachloride	---	U	0.50	ug/L	
Benzene	---	U	0.50	ug/L	
1,2-Dichloroethane	---	U	0.50	ug/L	
Trichloroethene	---	U	0.50	ug/L	
1,2-Dichloropropane	---	U	0.50	ug/L	
Bromodichloromethane	---	U	0.50	ug/L	
cis-1,3-Dichloropropene	---	U	0.50	ug/L	
4-Methyl-2-Pentanone	---	U	5.0	ug/L	
Toluene	---	U	0.50	ug/L	
trans-1,3-Dichloropropene	---	U	0.50	ug/L	
1,1,2-Trichloroethane	---	U	0.50	ug/L	
Tetrachloroethene	---	U	0.50	ug/L	
Methylcyclohexane	---	U	0.50	ug/L	
Dibromochloromethane	---	U	0.50	ug/L	
1,2-Dibromoethane	---	U	0.50	ug/L	
2-Hexanone	---	U	5.0	ug/L	
Chlorobenzene	---	U	0.50	ug/L	
Ethylbenzene	---	U	0.50	ug/L	
m/p-Xylene	---	U	0.50	ug/L	
o-Xylene	---	U	0.50	ug/L	
Styrene	---	U	0.50	ug/L	
Bromoform	---	U	0.50	ug/L	
Isopropylbenzene	---	U	0.50	ug/L	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: FB-GW-B				Sample ID: 1606044-01	
VOA-TRACE GCMS					
1,1,2,2-Tetrachloroethane	---	U	0.50	ug/L	
1,3-Dichlorobenzene	---	U	0.50	ug/L	
1,4-Dichlorobenzene	---	U	0.50	ug/L	
1,2-Dichlorobenzene	---	U	0.50	ug/L	
1,2-Dibromo-3-Chloropropane	---	U	0.50	ug/L	
1,2,4-Trichlorobenzene	---	U	0.50	ug/L	
1,2,3-Trichlorobenzene	---	U	0.50	ug/L	
NVOA GCMS					
1,4-Dioxane	---	U	2.2	ug/L	
Benzaldehyde	---	U	5.4	ug/L	
Phenol	---	U	5.4	ug/L	
Bis(2-Chloroethyl)Ether	---	U	5.4	ug/L	
2-Chlorophenol	---	U	5.4	ug/L	
2-Methylphenol	---	U	5.4	ug/L	
Bis(2-Chloroisopropyl)Ether	---	U	5.4	ug/L	
Acetophenone	---	U	5.4	ug/L	
4-Methylphenol	---	U	5.4	ug/L	
N-Nitroso-Di-N-Propylamine	---	U	5.4	ug/L	
Hexachloroethane	---	U	5.4	ug/L	
Nitrobenzene	---	U	5.4	ug/L	
Isophorone	---	U	5.4	ug/L	
2-Nitrophenol	---	U	5.4	ug/L	
2,4-Dimethylphenol	---	U	5.4	ug/L	
Bis(-2-Chloroethoxy)Methane	---	U	5.4	ug/L	
2,4-Dichlorophenol	---	U	5.4	ug/L	
Naphthalene	---	U	5.4	ug/L	
4-Chloroaniline	---	U	5.4	ug/L	
Hexachlorobutadiene	---	U	5.4	ug/L	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: FB-GW-B				Sample ID: 1606044-01	
NVOA GCMS					
Caprolactam	---	U	5.4	ug/L	
4-Chloro-3-Methylphenol	---	U	5.4	ug/L	
2-Methylnaphthalene	---	U	5.4	ug/L	
1,2,4,5-Tetrachlorobenzene	---	U	5.4	ug/L	
Hexachlorocyclopentadiene	---	U	5.4	ug/L	
2,4,6-Trichlorophenol	---	U	5.4	ug/L	
2,4,5-Trichlorophenol	---	U	5.4	ug/L	
Biphenyl	---	U	5.4	ug/L	
2-Chloronaphthalene	---	U	5.4	ug/L	
2-Nitroaniline	---	U	5.4	ug/L	
Dimethyl Phthalate	---	U	5.4	ug/L	
Acenaphthylene	---	U	5.4	ug/L	
2,6-Dinitrotoluene	---	U	5.4	ug/L	
3-Nitroaniline	---	U	5.4	ug/L	
Acenaphthene	---	U	5.4	ug/L	
2,4-Dinitrophenol	---	U	5.4	ug/L	
4-Nitrophenol	---	U	5.4	ug/L	
Dibenzofuran	---	U	5.4	ug/L	
2,4-Dinitrotoluene	---	U	5.4	ug/L	
2,3,4,6-Tetrachlorophenol	---	U	5.4	ug/L	
Fluorene	---	U	5.4	ug/L	
Diethylphthalate	---	U	5.4	ug/L	
4-Chlorophenyl-Phenylether	---	U	5.4	ug/L	
4-Nitroaniline	---	U	5.4	ug/L	
4,6-Dinitro-2-Methylphenol	---	U	5.4	ug/L	
N-Nitrosodiphenylamine	---	U	5.4	ug/L	
4-Bromophenyl-Phenylether	---	U	5.4	ug/L	
Hexachlorobenzene	---	U	5.4	ug/L	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: FB-GW-B				Sample ID: 1606044-01	
NVOA GCMS					
Atrazine	---	U	5.4	ug/L	
Pentachlorophenol	---	U	5.4	ug/L	
Phenanthrene	---	U	5.4	ug/L	
Anthracene	---	U	5.4	ug/L	
Carbazole	---	U	5.4	ug/L	
Di-N-Butyl Phthalate	---	U	5.4	ug/L	
Fluoranthene	---	U	5.4	ug/L	
Pyrene	---	U	5.4	ug/L	
Butylbenzylphthalate	---	U	5.4	ug/L	
3,3'- Dichlorobenzidine	---	U	5.4	ug/L	
Benzo(A)Anthracene	---	U	5.4	ug/L	
Chrysene	---	U	5.4	ug/L	
Bis(2-Ethylhexyl)Phthalate	---	U	5.4	ug/L	
Di-N-Octyl Phthalate	---	U	5.4	ug/L	
Benzo(B)Fluoranthene	---	U	5.4	ug/L	
Benzo(K)Fluoranthene	---	U	5.4	ug/L	
Benzo(A)Pyrene	---	U	5.4	ug/L	
Indeno(1,2,3-Cd)Pyrene	---	U	5.4	ug/L	
Dibenzo(A,H)Anthracene	---	U	5.4	ug/L	
Benzo(G,H,I)Perylene	---	U	5.4	ug/L	
Phenol, 2-methoxy-	14	NJ		ug/L	
Metals ICP					
Aluminum	---	U	100	ug/L	
Antimony	---	U	20	ug/L	
Arsenic	---	U	8.0	ug/L	
Barium	---	U	100	ug/L	
Beryllium	---	U	3.0	ug/L	
Cadmium	---	U	3.0	ug/L	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: FB-GW-B				Sample ID: 1606044-01	
Metals ICP					
Calcium	---	U	500	ug/L	
Chromium	---	U	5.0	ug/L	
Cobalt	---	U	20	ug/L	
Copper	---	U	10	ug/L	
Iron	---	U	50	ug/L	
Lead	---	U	8.0	ug/L	
Magnesium	---	U	500	ug/L	
Manganese	---	U	5.0	ug/L	
Nickel	---	U	20	ug/L	
Potassium	---	U	500	ug/L	
Selenium	---	U	20	ug/L	
Silver	---	U	5.0	ug/L	
Sodium	---	U	1000	ug/L	
Thallium	---	U	20	ug/L	
Vanadium	---	U	20	ug/L	
Zinc	---	U	20	ug/L	
Field ID: GW-900-1				Sample ID: 1606044-02	
VOA-TRACE GCMS					
Dichlorodifluoromethane	---	U	0.50	ug/L	
Chloromethane	---	U	0.50	ug/L	
Vinyl Chloride	---	U	0.50	ug/L	
Bromomethane	---	U	0.50	ug/L	
Chloroethane	---	U	0.50	ug/L	
Trichlorofluoromethane	---	U	0.50	ug/L	
1,1-Dichloroethene	---	U	0.50	ug/L	
1,1,2-Trichloro-1,2,2-Trifluoroethane	---	U	0.50	ug/L	
Carbon Disulfide	---	U	0.50	ug/L	
Acetone	---	U	5.0	ug/L	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: GW-900-1				Sample ID: 1606044-02	
VOA-TRACE GCMS					
Methyl Acetate	---	U	0.50	ug/L	
Methylene Chloride	---	U	0.50	ug/L	
trans-1,2-Dichloroethene	---	U	0.50	ug/L	
Methyl tert-Butyl Ether	---	U	0.50	ug/L	
1,1-Dichloroethane	---	U	0.50	ug/L	
cis-1,2-Dichloroethene	---	U	0.50	ug/L	
2-Butanone	---	U	5.0	ug/L	
Bromochloromethane	---	U	0.50	ug/L	
Chloroform	---	U	0.50	ug/L	
1,1,1-Trichloroethane	---	U	0.50	ug/L	
Cyclohexane	---	U	0.50	ug/L	
Carbon Tetrachloride	---	U	0.50	ug/L	
Benzene	---	U	0.50	ug/L	
1,2-Dichloroethane	---	U	0.50	ug/L	
Trichloroethene	24		0.50	ug/L	
1,2-Dichloropropane	---	U	0.50	ug/L	
Bromodichloromethane	---	U	0.50	ug/L	
cis-1,3-Dichloropropene	---	U	0.50	ug/L	
4-Methyl-2-Pentanone	---	U	5.0	ug/L	
Toluene	---	U	0.50	ug/L	
trans-1,3-Dichloropropene	---	U	0.50	ug/L	
1,1,2-Trichloroethane	---	U	0.50	ug/L	
Tetrachloroethene	170		10	ug/L	
Methylcyclohexane	---	U	0.50	ug/L	
Dibromochloromethane	---	U	0.50	ug/L	
1,2-Dibromoethane	---	U	0.50	ug/L	
2-Hexanone	---	U	5.0	ug/L	
Chlorobenzene	---	U	0.50	ug/L	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: GW-900-1					Sample ID: 1606044-02
VOA-TRACE GCMS					
Ethylbenzene	---	U	0.50	ug/L	
m/p-Xylene	---	U	0.50	ug/L	
o-Xylene	---	U	0.50	ug/L	
Styrene	---	U	0.50	ug/L	
Bromoform	---	U	0.50	ug/L	
Isopropylbenzene	---	U	0.50	ug/L	
1,1,2,2-Tetrachloroethane	---	U	0.50	ug/L	
1,3-Dichlorobenzene	---	U	0.50	ug/L	
1,4-Dichlorobenzene	---	U	0.50	ug/L	
1,2-Dichlorobenzene	---	U	0.50	ug/L	
1,2-Dibromo-3-Chloropropane	---	U	0.50	ug/L	
1,2,4-Trichlorobenzene	---	U	0.50	ug/L	
1,2,3-Trichlorobenzene	---	U	0.50	ug/L	
NVOA GCMS					
1,4-Dioxane	---	U	2.1	ug/L	
Benzaldehyde	---	U	5.3	ug/L	
Phenol	---	U	5.3	ug/L	
Bis(2-Chloroethyl)Ether	---	U	5.3	ug/L	
2-Chlorophenol	---	U	5.3	ug/L	
2-Methylphenol	---	U	5.3	ug/L	
Bis(2-Chloroisopropyl)Ether	---	U	5.3	ug/L	
Acetophenone	---	U	5.3	ug/L	
4-Methylphenol	---	U	5.3	ug/L	
N-Nitroso-Di-N-Propylamine	---	U	5.3	ug/L	
Hexachloroethane	---	U	5.3	ug/L	
Nitrobenzene	---	U	5.3	ug/L	
Isophorone	---	U	5.3	ug/L	
2-Nitrophenol	---	U	5.3	ug/L	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: GW-900-1				Sample ID: 1606044-02	
NVOA GCMS					
2,4-Dimethylphenol	---	U	5.3	ug/L	
Bis(-2-Chloroethoxy)Methane	---	U	5.3	ug/L	
2,4-Dichlorophenol	---	U	5.3	ug/L	
Naphthalene	---	U	5.3	ug/L	
4-Chloroaniline	---	U	5.3	ug/L	
Hexachlorobutadiene	---	U	5.3	ug/L	
Caprolactam	---	U	5.3	ug/L	
4-Chloro-3-Methylphenol	---	U	5.3	ug/L	
2-Methylnaphthalene	---	U	5.3	ug/L	
1,2,4,5-Tetrachlorobenzene	---	U	5.3	ug/L	
Hexachlorocyclopentadiene	---	U	5.3	ug/L	
2,4,6-Trichlorophenol	---	U	5.3	ug/L	
2,4,5-Trichlorophenol	---	U	5.3	ug/L	
Biphenyl	---	U	5.3	ug/L	
2-Chloronaphthalene	---	U	5.3	ug/L	
2-Nitroaniline	---	U	5.3	ug/L	
Dimethyl Phthalate	---	U	5.3	ug/L	
Acenaphthylene	---	U	5.3	ug/L	
2,6-Dinitrotoluene	---	U	5.3	ug/L	
3-Nitroaniline	---	U	5.3	ug/L	
Acenaphthene	---	U	5.3	ug/L	
2,4-Dinitrophenol	---	U	5.3	ug/L	
4-Nitrophenol	---	U	5.3	ug/L	
Dibenzofuran	---	U	5.3	ug/L	
2,4-Dinitrotoluene	---	U	5.3	ug/L	
2,3,4,6-Tetrachlorophenol	---	U	5.3	ug/L	
Fluorene	---	U	5.3	ug/L	
Diethylphthalate	---	U	5.3	ug/L	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: GW-900-1				Sample ID: 1606044-02	
NVOA GCMS					
4-Chlorophenyl-Phenylether	---	U	5.3	ug/L	
4-Nitroaniline	---	U	5.3	ug/L	
4,6-Dinitro-2-Methylphenol	---	U	5.3	ug/L	
N-Nitrosodiphenylamine	---	U	5.3	ug/L	
4-Bromophenyl-Phenylether	---	U	5.3	ug/L	
Hexachlorobenzene	---	U	5.3	ug/L	
Atrazine	---	U	5.3	ug/L	
Pentachlorophenol	---	U	5.3	ug/L	
Phenanthrene	---	U	5.3	ug/L	
Anthracene	---	U	5.3	ug/L	
Carbazole	---	U	5.3	ug/L	
Di-N-Butyl Phthalate	---	U	5.3	ug/L	
Fluoranthene	---	U	5.3	ug/L	
Pyrene	---	U	5.3	ug/L	
Butylbenzylphthalate	---	U	5.3	ug/L	
3,3'- Dichlorobenzidine	---	U	5.3	ug/L	
Benzo(A)Anthracene	---	U	5.3	ug/L	
Chrysene	---	U	5.3	ug/L	
Bis(2-Ethylhexyl)Phthalate	---	U	5.3	ug/L	
Di-N-Octyl Phthalate	---	U	5.3	ug/L	
Benzo(B)Fluoranthene	---	U	5.3	ug/L	
Benzo(K)Fluoranthene	---	U	5.3	ug/L	
Benzo(A)Pyrene	---	U	5.3	ug/L	
Indeno(1,2,3-Cd)Pyrene	---	U	5.3	ug/L	
Dibenzo(A,H)Anthracene	---	U	5.3	ug/L	
Benzo(G,H,I)Perylene	---	U	5.3	ug/L	
Tetrachloroethylene	34	NJ		ug/L	
Metals ICP					

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: GW-900-1				Sample ID: 1606044-02	
Metals ICP					
Aluminum	---	U	100	ug/L	
Antimony	---	U	20	ug/L	
Arsenic	---	U	8.0	ug/L	
Barium	---	U	100	ug/L	
Beryllium	---	U	3.0	ug/L	
Cadmium	---	U	3.0	ug/L	
Calcium	38000		500	ug/L	
Chromium	---	U	5.0	ug/L	
Cobalt	---	U	20	ug/L	
Copper	---	U	10	ug/L	
Iron	---	U	50	ug/L	
Lead	---	U	8.0	ug/L	
Magnesium	4600		500	ug/L	
Manganese	27		5.0	ug/L	
Nickel	---	U	20	ug/L	
Potassium	3100		500	ug/L	
Selenium	---	U	20	ug/L	
Silver	---	U	5.0	ug/L	
Sodium	84000		1000	ug/L	
Thallium	---	U	20	ug/L	
Vanadium	---	U	20	ug/L	
Zinc	---	U	20	ug/L	
Field ID: KR-GW-01-1				Sample ID: 1606044-03	
VOA-TRACE GCMS					
Dichlorodifluoromethane	---	U	0.50	ug/L	
Chloromethane	---	U	0.50	ug/L	
Vinyl Chloride	---	U	0.50	ug/L	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-GW-01-1				Sample ID: 1606044-03	
VOA-TRACE GCMS					
Bromomethane	---	U	0.50	ug/L	
Chloroethane	---	U	0.50	ug/L	
Trichlorofluoromethane	---	U	0.50	ug/L	
1,1-Dichloroethene	---	U	0.50	ug/L	
1,1,2-Trichloro-1,2,2-Trifluoroethane	---	U	0.50	ug/L	
Carbon Disulfide	---	U	0.50	ug/L	
Acetone	---	U	5.0	ug/L	
Methyl Acetate	---	U	0.50	ug/L	
Methylene Chloride	---	U	0.50	ug/L	
trans-1,2-Dichloroethene	---	U	0.50	ug/L	
Methyl tert-Butyl Ether	---	U	0.50	ug/L	
1,1-Dichloroethane	---	U	0.50	ug/L	
cis-1,2-Dichloroethene	---	U	0.50	ug/L	
2-Butanone	---	U	5.0	ug/L	
Bromochloromethane	---	U	0.50	ug/L	
Chloroform	---	U	0.50	ug/L	
1,1,1-Trichloroethane	---	U	0.50	ug/L	
Cyclohexane	---	U	0.50	ug/L	
Carbon Tetrachloride	---	U	0.50	ug/L	
Benzene	---	U	0.50	ug/L	
1,2-Dichloroethane	---	U	0.50	ug/L	
Trichloroethene	14		0.50	ug/L	
1,2-Dichloropropane	---	U	0.50	ug/L	
Bromodichloromethane	---	U	0.50	ug/L	
cis-1,3-Dichloropropene	---	U	0.50	ug/L	
4-Methyl-2-Pentanone	---	U	5.0	ug/L	
Toluene	---	U	0.50	ug/L	
trans-1,3-Dichloropropene	---	U	0.50	ug/L	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-GW-01-1				Sample ID: 1606044-03	
VOA-TRACE GCMS					
1,1,2-Trichloroethane	---	U	0.50	ug/L	
Tetrachloroethene	4.2		0.50	ug/L	
Methylcyclohexane	---	U	0.50	ug/L	
Dibromochloromethane	---	U	0.50	ug/L	
1,2-Dibromoethane	---	U	0.50	ug/L	
2-Hexanone	---	U	5.0	ug/L	
Chlorobenzene	---	U	0.50	ug/L	
Ethylbenzene	---	U	0.50	ug/L	
m/p-Xylene	---	U	0.50	ug/L	
o-Xylene	---	U	0.50	ug/L	
Styrene	---	U	0.50	ug/L	
Bromoform	---	U	0.50	ug/L	
Isopropylbenzene	---	U	0.50	ug/L	
1,1,2,2-Tetrachloroethane	---	U	0.50	ug/L	
1,3-Dichlorobenzene	---	U	0.50	ug/L	
1,4-Dichlorobenzene	---	U	0.50	ug/L	
1,2-Dichlorobenzene	---	U	0.50	ug/L	
1,2-Dibromo-3-Chloropropane	---	U	0.50	ug/L	
1,2,4-Trichlorobenzene	---	U	0.50	ug/L	
1,2,3-Trichlorobenzene	---	U	0.50	ug/L	
NVOA GCMS					
1,4-Dioxane	---	U	2.1	ug/L	
Benzaldehyde	---	U	5.3	ug/L	
Phenol	---	U	5.3	ug/L	
Bis(2-Chloroethyl)Ether	---	U	5.3	ug/L	
2-Chlorophenol	---	U	5.3	ug/L	
2-Methylphenol	---	U	5.3	ug/L	
Bis(2-Chloroisopropyl)Ether	---	U	5.3	ug/L	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-GW-01-1				Sample ID: 1606044-03	
NVOA GCMS					
Acetophenone	---	U	5.3	ug/L	
4-Methylphenol	---	U L	5.3	ug/L	
N-Nitroso-Di-N-Propylamine	---	U	5.3	ug/L	
Hexachloroethane	---	U	5.3	ug/L	
Nitrobenzene	---	U	5.3	ug/L	
Isophorone	---	U	5.3	ug/L	
2-Nitrophenol	---	U	5.3	ug/L	
2,4-Dimethylphenol	---	U	5.3	ug/L	
Bis(-2-Chloroethoxy)Methane	---	U	5.3	ug/L	
2,4-Dichlorophenol	---	U	5.3	ug/L	
Naphthalene	---	U	5.3	ug/L	
4-Chloroaniline	---	U L	5.3	ug/L	
Hexachlorobutadiene	---	U	5.3	ug/L	
Caprolactam	---	U	5.3	ug/L	
4-Chloro-3-Methylphenol	---	U	5.3	ug/L	
2-Methylnaphthalene	---	U	5.3	ug/L	
1,2,4,5-Tetrachlorobenzene	---	U	5.3	ug/L	
Hexachlorocyclopentadiene	---	U	5.3	ug/L	
2,4,6-Trichlorophenol	---	U	5.3	ug/L	
2,4,5-Trichlorophenol	---	U	5.3	ug/L	
Biphenyl	---	U	5.3	ug/L	
2-Chloronaphthalene	---	U	5.3	ug/L	
2-Nitroaniline	---	U	5.3	ug/L	
Dimethyl Phthalate	---	U	5.3	ug/L	
Acenaphthylene	---	U	5.3	ug/L	
2,6-Dinitrotoluene	---	U	5.3	ug/L	
3-Nitroaniline	---	U	5.3	ug/L	
Acenaphthene	---	U	5.3	ug/L	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-GW-01-1				Sample ID: 1606044-03	
NVOA GCMS					
2,4-Dinitrophenol	---	U	5.3	ug/L	
4-Nitrophenol	---	U	5.3	ug/L	
Dibenzofuran	---	U	5.3	ug/L	
2,4-Dinitrotoluene	---	U	5.3	ug/L	
2,3,4,6-Tetrachlorophenol	---	U L	5.3	ug/L	
Fluorene	---	U	5.3	ug/L	
Diethylphthalate	---	U	5.3	ug/L	
4-Chlorophenyl-Phenylether	---	U	5.3	ug/L	
4-Nitroaniline	---	U L	5.3	ug/L	
4,6-Dinitro-2-Methylphenol	---	U	5.3	ug/L	
N-Nitrosodiphenylamine	---	U L	5.3	ug/L	
4-Bromophenyl-Phenylether	---	U	5.3	ug/L	
Hexachlorobenzene	---	U	5.3	ug/L	
Atrazine	---	U	5.3	ug/L	
Pentachlorophenol	---	U	5.3	ug/L	
Phenanthrene	---	U	5.3	ug/L	
Anthracene	---	U	5.3	ug/L	
Carbazole	---	U L	5.3	ug/L	
Di-N-Butyl Phthalate	---	U	5.3	ug/L	
Fluoranthene	---	U	5.3	ug/L	
Pyrene	---	U	5.3	ug/L	
Butylbenzylphthalate	---	U	5.3	ug/L	
3,3'- Dichlorobenzidine	---	U	5.3	ug/L	
Benzo(A)Anthracene	---	U	5.3	ug/L	
Chrysene	---	U	5.3	ug/L	
Bis(2-Ethylhexyl)Phthalate	---	U	5.3	ug/L	
Di-N-Octyl Phthalate	---	U	5.3	ug/L	
Benzo(B)Fluoranthene	---	U	5.3	ug/L	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-GW-01-1				Sample ID: 1606044-03	
NVOA GCMS					
Benzo(K)Fluoranthene	---	U	5.3	ug/L	
Benzo(A)Pyrene	---	U	5.3	ug/L	
Indeno(1,2,3-Cd)Pyrene	---	U	5.3	ug/L	
Dibenzo(A,H)Anthracene	---	U	5.3	ug/L	
Benzo(G,H,I)Perylene	---	U	5.3	ug/L	
Metals ICP					
Aluminum	---	U	100	ug/L	
Antimony	---	U	20	ug/L	
Arsenic	---	U	8.0	ug/L	
Barium	---	U	100	ug/L	
Beryllium	---	U	3.0	ug/L	
Cadmium	---	U	3.0	ug/L	
Calcium	43000		500	ug/L	
Chromium	---	U	5.0	ug/L	
Cobalt	---	U	20	ug/L	
Copper	---	U	10	ug/L	
Iron	---	U	50	ug/L	
Lead	---	U	8.0	ug/L	
Magnesium	2700		500	ug/L	
Manganese	120		5.0	ug/L	
Nickel	---	U	20	ug/L	
Potassium	3700		500	ug/L	
Selenium	---	U	20	ug/L	
Silver	---	U	5.0	ug/L	
Sodium	88000		1000	ug/L	
Thallium	---	U	20	ug/L	
Vanadium	---	U	20	ug/L	
Zinc	---	U	20	ug/L	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-GW-02-1				Sample ID: 1606044-04	
VOA-TRACE GCMS					
Dichlorodifluoromethane	---	U	0.50	ug/L	
Chloromethane	---	U	0.50	ug/L	
Vinyl Chloride	---	U	0.50	ug/L	
Bromomethane	---	U	0.50	ug/L	
Chloroethane	---	U	0.50	ug/L	
Trichlorofluoromethane	---	U	0.50	ug/L	
1,1-Dichloroethene	---	U	0.50	ug/L	
1,1,2-Trichloro-1,2,2-Trifluoroethane	---	U	0.50	ug/L	
Carbon Disulfide	---	U	0.50	ug/L	
Acetone	---	U	5.0	ug/L	
Methyl Acetate	---	U	0.50	ug/L	
Methylene Chloride	---	U	0.50	ug/L	
trans-1,2-Dichloroethene	---	U	0.50	ug/L	
Methyl tert-Butyl Ether	---	U	0.50	ug/L	
1,1-Dichloroethane	---	U	0.50	ug/L	
cis-1,2-Dichloroethene	---	U	0.50	ug/L	
2-Butanone	---	U	5.0	ug/L	
Bromochloromethane	---	U	0.50	ug/L	
Chloroform	---	U	0.50	ug/L	
1,1,1-Trichloroethane	---	U	0.50	ug/L	
Cyclohexane	---	U	0.50	ug/L	
Carbon Tetrachloride	---	U	0.50	ug/L	
Benzene	---	U	0.50	ug/L	
1,2-Dichloroethane	---	U	0.50	ug/L	
Trichloroethene	24		0.50	ug/L	
1,2-Dichloropropane	---	U	0.50	ug/L	
Bromodichloromethane	---	U	0.50	ug/L	
cis-1,3-Dichloropropene	---	U	0.50	ug/L	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-GW-02-1				Sample ID: 1606044-04	
VOA-TRACE GCMS					
4-Methyl-2-Pentanone	---	U	5.0	ug/L	
Toluene	---	U	0.50	ug/L	
trans-1,3-Dichloropropene	---	U	0.50	ug/L	
1,1,2-Trichloroethane	---	U	0.50	ug/L	
Tetrachloroethene	180		10	ug/L	
Methylcyclohexane	---	U	0.50	ug/L	
Dibromochloromethane	---	U	0.50	ug/L	
1,2-Dibromoethane	---	U	0.50	ug/L	
2-Hexanone	---	U	5.0	ug/L	
Chlorobenzene	---	U	0.50	ug/L	
Ethylbenzene	---	U	0.50	ug/L	
m/p-Xylene	---	U	0.50	ug/L	
o-Xylene	---	U	0.50	ug/L	
Styrene	---	U	0.50	ug/L	
Bromoform	---	U	0.50	ug/L	
Isopropylbenzene	---	U	0.50	ug/L	
1,1,2,2-Tetrachloroethane	---	U	0.50	ug/L	
1,3-Dichlorobenzene	---	U	0.50	ug/L	
1,4-Dichlorobenzene	---	U	0.50	ug/L	
1,2-Dichlorobenzene	---	U	0.50	ug/L	
1,2-Dibromo-3-Chloropropane	---	U	0.50	ug/L	
1,2,4-Trichlorobenzene	---	U	0.50	ug/L	
1,2,3-Trichlorobenzene	---	U	0.50	ug/L	
NVOA GCMS					
1,4-Dioxane	---	U	2.0	ug/L	
Benzaldehyde	---	U	5.0	ug/L	
Phenol	---	U	5.0	ug/L	
Bis(2-Chloroethyl)Ether	---	U	5.0	ug/L	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-GW-02-1				Sample ID: 1606044-04	
NVOA GCMS					
2-Chlorophenol	---	U	5.0	ug/L	
2-Methylphenol	---	U	5.0	ug/L	
Bis(2-Chloroisopropyl)Ether	---	U	5.0	ug/L	
Acetophenone	---	U	5.0	ug/L	
4-Methylphenol	---	U	5.0	ug/L	
N-Nitroso-Di-N-Propylamine	---	U	5.0	ug/L	
Hexachloroethane	---	U	5.0	ug/L	
Nitrobenzene	---	U	5.0	ug/L	
Isophorone	---	U	5.0	ug/L	
2-Nitrophenol	---	U	5.0	ug/L	
2,4-Dimethylphenol	---	U	5.0	ug/L	
Bis(-2-Chloroethoxy)Methane	---	U	5.0	ug/L	
2,4-Dichlorophenol	---	U	5.0	ug/L	
Naphthalene	---	U	5.0	ug/L	
4-Chloroaniline	---	U	5.0	ug/L	
Hexachlorobutadiene	---	U	5.0	ug/L	
Caprolactam	---	U	5.0	ug/L	
4-Chloro-3-Methylphenol	---	U	5.0	ug/L	
2-Methylnaphthalene	---	U	5.0	ug/L	
1,2,4,5-Tetrachlorobenzene	---	U	5.0	ug/L	
Hexachlorocyclopentadiene	---	U	5.0	ug/L	
2,4,6-Trichlorophenol	---	U	5.0	ug/L	
2,4,5-Trichlorophenol	---	U	5.0	ug/L	
Biphenyl	---	U	5.0	ug/L	
2-Chloronaphthalene	---	U	5.0	ug/L	
2-Nitroaniline	---	U	5.0	ug/L	
Dimethyl Phthalate	---	U	5.0	ug/L	
Acenaphthylene	---	U	5.0	ug/L	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-GW-02-1				Sample ID: 1606044-04	
NVOA GCMS					
2,6-Dinitrotoluene	---	U	5.0	ug/L	
3-Nitroaniline	---	U	5.0	ug/L	
Acenaphthene	---	U	5.0	ug/L	
2,4-Dinitrophenol	---	U	5.0	ug/L	
4-Nitrophenol	---	U	5.0	ug/L	
Dibenzofuran	---	U	5.0	ug/L	
2,4-Dinitrotoluene	---	U	5.0	ug/L	
2,3,4,6-Tetrachlorophenol	---	U	5.0	ug/L	
Fluorene	---	U	5.0	ug/L	
Diethylphthalate	---	U	5.0	ug/L	
4-Chlorophenyl-Phenylether	---	U	5.0	ug/L	
4-Nitroaniline	---	U	5.0	ug/L	
4,6-Dinitro-2-Methylphenol	---	U	5.0	ug/L	
N-Nitrosodiphenylamine	---	U	5.0	ug/L	
4-Bromophenyl-Phenylether	---	U	5.0	ug/L	
Hexachlorobenzene	---	U	5.0	ug/L	
Atrazine	---	U	5.0	ug/L	
Pentachlorophenol	---	U	5.0	ug/L	
Phenanthrene	---	U	5.0	ug/L	
Anthracene	---	U	5.0	ug/L	
Carbazole	---	U	5.0	ug/L	
Di-N-Butyl Phthalate	---	U	5.0	ug/L	
Fluoranthene	---	U	5.0	ug/L	
Pyrene	---	U	5.0	ug/L	
Butylbenzylphthalate	---	U	5.0	ug/L	
3,3'- Dichlorobenzidine	---	U	5.0	ug/L	
Benzo(A)Anthracene	---	U	5.0	ug/L	
Chrysene	---	U	5.0	ug/L	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-GW-02-1				Sample ID: 1606044-04	
NVOA GCMS					
Bis(2-Ethylhexyl)Phthalate	---	U	5.0	ug/L	
Di-N-Octyl Phthalate	---	U	5.0	ug/L	
Benzo(B)Fluoranthene	---	U	5.0	ug/L	
Benzo(K)Fluoranthene	---	U	5.0	ug/L	
Benzo(A)Pyrene	---	U	5.0	ug/L	
Indeno(1,2,3-Cd)Pyrene	---	U	5.0	ug/L	
Dibenzo(A,H)Anthracene	---	U	5.0	ug/L	
Benzo(G,H,I)Perylene	---	U	5.0	ug/L	
Tetrachloroethylene	38	NJ		ug/L	
Metals ICP					
Aluminum	---	U	100	ug/L	
Antimony	---	U	20	ug/L	
Arsenic	---	U	8.0	ug/L	
Barium	---	U	100	ug/L	
Beryllium	---	U	3.0	ug/L	
Cadmium	---	U	3.0	ug/L	
Calcium	39000		500	ug/L	
Chromium	---	U	5.0	ug/L	
Cobalt	---	U	20	ug/L	
Copper	---	U	10	ug/L	
Iron	---	U	50	ug/L	
Lead	---	U	8.0	ug/L	
Magnesium	4700		500	ug/L	
Manganese	28		5.0	ug/L	
Nickel	---	U	20	ug/L	
Potassium	3200		500	ug/L	
Selenium	---	U	20	ug/L	
Silver	---	U	5.0	ug/L	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-GW-02-1				Sample ID: 1606044-04	
Metals ICP					
Sodium	84000		1000	ug/L	
Thallium	---	U	20	ug/L	
Vanadium	---	U	20	ug/L	
Zinc	---	U	20	ug/L	
Field ID: KR-GW-03-1				Sample ID: 1606044-05	
VOA-TRACE GCMS					
Dichlorodifluoromethane	---	U	0.50	ug/L	
Chloromethane	---	U	0.50	ug/L	
Vinyl Chloride	---	U	0.50	ug/L	
Bromomethane	---	U	0.50	ug/L	
Chloroethane	---	U	0.50	ug/L	
Trichlorofluoromethane	---	U	0.50	ug/L	
1,1-Dichloroethene	---	U	0.50	ug/L	
1,1,2-Trichloro-1,2,2-Trifluoroethane	---	U	0.50	ug/L	
Carbon Disulfide	---	U	0.50	ug/L	
Acetone	---	U	5.0	ug/L	
Methyl Acetate	---	U	0.50	ug/L	
Methylene Chloride	---	U	0.50	ug/L	
trans-1,2-Dichloroethene	---	U	0.50	ug/L	
Methyl tert-Butyl Ether	---	U	0.50	ug/L	
1,1-Dichloroethane	---	U	0.50	ug/L	
cis-1,2-Dichloroethene	---	U	0.50	ug/L	
2-Butanone	---	U	5.0	ug/L	
Bromochloromethane	---	U	0.50	ug/L	
Chloroform	---	U	0.50	ug/L	
1,1,1-Trichloroethane	---	U	0.50	ug/L	
Cyclohexane	---	U	0.50	ug/L	
Carbon Tetrachloride	---	U	0.50	ug/L	

Project: Kingston Rail Yard - 1606029

Project Number: 1606029

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-GW-03-1				Sample ID: 1606044-05	
VOA-TRACE GCMS					
Benzene	---	U	0.50	ug/L	
1,2-Dichloroethane	---	U	0.50	ug/L	
Trichloroethene	23		0.50	ug/L	
1,2-Dichloropropane	---	U	0.50	ug/L	
Bromodichloromethane	---	U	0.50	ug/L	
cis-1,3-Dichloropropene	---	U	0.50	ug/L	
4-Methyl-2-Pentanone	---	U	5.0	ug/L	
Toluene	---	U	0.50	ug/L	
trans-1,3-Dichloropropene	---	U	0.50	ug/L	
1,1,2-Trichloroethane	---	U	0.50	ug/L	
Tetrachloroethene	120		10	ug/L	
Methylcyclohexane	---	U	0.50	ug/L	
Dibromochloromethane	---	U	0.50	ug/L	
1,2-Dibromoethane	---	U	0.50	ug/L	
2-Hexanone	---	U	5.0	ug/L	
Chlorobenzene	---	U	0.50	ug/L	
Ethylbenzene	---	U	0.50	ug/L	
m/p-Xylene	---	U	0.50	ug/L	
o-Xylene	---	U	0.50	ug/L	
Styrene	---	U	0.50	ug/L	
Bromoform	---	U	0.50	ug/L	
Isopropylbenzene	---	U	0.50	ug/L	
1,1,2,2-Tetrachloroethane	---	U	0.50	ug/L	
1,3-Dichlorobenzene	---	U	0.50	ug/L	
1,4-Dichlorobenzene	---	U	0.50	ug/L	
1,2-Dichlorobenzene	---	U	0.50	ug/L	
1,2-Dibromo-3-Chloropropane	---	U	0.50	ug/L	
1,2,4-Trichlorobenzene	---	U	0.50	ug/L	

Project: Kingston Rail Yard - 1606029

Project Number: 1606029

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-GW-03-1				Sample ID: 1606044-05	
VOA-TRACE GCMS					
1,2,3-Trichlorobenzene	---	U	0.50	ug/L	
NVOA GCMS					
1,4-Dioxane	---	U	2.1	ug/L	
Benzaldehyde	---	U	5.3	ug/L	
Phenol	---	U L	5.3	ug/L	
Bis(2-Chloroethyl)Ether	---	U	5.3	ug/L	
2-Chlorophenol	---	U L	5.3	ug/L	
2-Methylphenol	---	U L	5.3	ug/L	
Bis(2-Chloroisopropyl)Ether	---	U	5.3	ug/L	
Acetophenone	---	U	5.3	ug/L	
4-Methylphenol	---	U L	5.3	ug/L	
N-Nitroso-Di-N-Propylamine	---	U	5.3	ug/L	
Hexachloroethane	---	U	5.3	ug/L	
Nitrobenzene	---	U	5.3	ug/L	
Isophorone	---	U	5.3	ug/L	
2-Nitrophenol	---	U L	5.3	ug/L	
2,4-Dimethylphenol	---	U L	5.3	ug/L	
Bis(-2-Chloroethoxy)Methane	---	U	5.3	ug/L	
2,4-Dichlorophenol	---	U L	5.3	ug/L	
Naphthalene	---	U	5.3	ug/L	
4-Chloroaniline	---	U	5.3	ug/L	
Hexachlorobutadiene	---	U	5.3	ug/L	
Caprolactam	---	U	5.3	ug/L	
4-Chloro-3-Methylphenol	---	U L	5.3	ug/L	
2-Methylnaphthalene	---	U	5.3	ug/L	
1,2,4,5-Tetrachlorobenzene	---	U	5.3	ug/L	
Hexachlorocyclopentadiene	---	U	5.3	ug/L	
2,4,6-Trichlorophenol	---	U	5.3	ug/L	

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Project Number: 1606029

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-GW-03-1				Sample ID: 1606044-05	
NVOA GCMS					
2,4,5-Trichlorophenol	---	U	5.3	ug/L	
Biphenyl	---	U	5.3	ug/L	
2-Chloronaphthalene	---	U	5.3	ug/L	
2-Nitroaniline	---	U	5.3	ug/L	
Dimethyl Phthalate	---	U	5.3	ug/L	
Acenaphthylene	---	U	5.3	ug/L	
2,6-Dinitrotoluene	---	U	5.3	ug/L	
3-Nitroaniline	---	U	5.3	ug/L	
Acenaphthene	---	U	5.3	ug/L	
2,4-Dinitrophenol	---	U	5.3	ug/L	
4-Nitrophenol	---	U	5.3	ug/L	
Dibenzofuran	---	U	5.3	ug/L	
2,4-Dinitrotoluene	---	U	5.3	ug/L	
2,3,4,6-Tetrachlorophenol	---	U	5.3	ug/L	
Fluorene	---	U	5.3	ug/L	
Diethylphthalate	---	U	5.3	ug/L	
4-Chlorophenyl-Phenylether	---	U	5.3	ug/L	
4-Nitroaniline	---	U	5.3	ug/L	
4,6-Dinitro-2-Methylphenol	---	U	5.3	ug/L	
N-Nitrosodiphenylamine	---	U	5.3	ug/L	
4-Bromophenyl-Phenylether	---	U	5.3	ug/L	
Hexachlorobenzene	---	U	5.3	ug/L	
Atrazine	---	U	5.3	ug/L	
Pentachlorophenol	---	U	5.3	ug/L	
Phenanthrene	---	U	5.3	ug/L	
Anthracene	---	U	5.3	ug/L	
Carbazole	---	U	5.3	ug/L	
Di-N-Butyl Phthalate	---	U	5.3	ug/L	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-GW-03-1				Sample ID: 1606044-05	
NVOA GCMS					
Fluoranthene	---	U	5.3	ug/L	
Pyrene	---	U	5.3	ug/L	
Butylbenzylphthalate	---	U	5.3	ug/L	
3,3'- Dichlorobenzidine	---	U	5.3	ug/L	
Benzo(A)Anthracene	---	U	5.3	ug/L	
Chrysene	---	U	5.3	ug/L	
Bis(2-Ethylhexyl)Phthalate	---	U	5.3	ug/L	
Di-N-Octyl Phthalate	---	U	5.3	ug/L	
Benzo(B)Fluoranthene	---	U	5.3	ug/L	
Benzo(K)Fluoranthene	---	U	5.3	ug/L	
Benzo(A)Pyrene	---	U	5.3	ug/L	
Indeno(1,2,3-Cd)Pyrene	---	U	5.3	ug/L	
Dibenzo(A,H)Anthracene	---	U	5.3	ug/L	
Benzo(G,H,I)Perylene	---	U	5.3	ug/L	
Tetrachloroethylene	14	NJ		ug/L	
Metals ICP					
Aluminum	---	U	100	ug/L	
Antimony	---	U	20	ug/L	
Arsenic	---	U	8.0	ug/L	
Barium	---	U	100	ug/L	
Beryllium	---	U	3.0	ug/L	
Cadmium	---	U	3.0	ug/L	
Calcium	39000		500	ug/L	
Chromium	---	U	5.0	ug/L	
Cobalt	---	U	20	ug/L	
Copper	---	U	10	ug/L	
Iron	---	U	50	ug/L	
Lead	---	U	8.0	ug/L	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-GW-03-1				Sample ID: 1606044-05	
Metals ICP					
Magnesium	3700		500	ug/L	
Manganese	60		5.0	ug/L	
Nickel	---	U	20	ug/L	
Potassium	3000		500	ug/L	
Selenium	---	U	20	ug/L	
Silver	---	U	5.0	ug/L	
Sodium	58000		1000	ug/L	
Thallium	---	U	20	ug/L	
Vanadium	---	U	20	ug/L	
Zinc	---	U	20	ug/L	
Field ID: TB-01				Sample ID: 1606044-06	
VOA-TRACE GCMS					
Dichlorodifluoromethane	---	U	0.50	ug/L	
Chloromethane	---	U	0.50	ug/L	
Vinyl Chloride	---	U	0.50	ug/L	
Bromomethane	---	U	0.50	ug/L	
Chloroethane	---	U	0.50	ug/L	
Trichlorofluoromethane	---	U	0.50	ug/L	
1,1-Dichloroethene	---	U	0.50	ug/L	
1,1,2-Trichloro-1,2,2-Trifluoroethane	---	U	0.50	ug/L	
Carbon Disulfide	---	U	0.50	ug/L	
Acetone	36		5.0	ug/L	
Methyl Acetate	---	U	0.50	ug/L	
Methylene Chloride	---	U	0.50	ug/L	
trans-1,2-Dichloroethene	---	U	0.50	ug/L	
Methyl tert-Butyl Ether	---	U	0.50	ug/L	
1,1-Dichloroethane	---	U	0.50	ug/L	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: TB-01					Sample ID: 1606044-06
VOA-TRACE GCMS					
cis-1,2-Dichloroethene	---	U	0.50	ug/L	
2-Butanone	---	U	5.0	ug/L	
Bromochloromethane	---	U	0.50	ug/L	
Chloroform	---	U	0.50	ug/L	
1,1,1-Trichloroethane	---	U	0.50	ug/L	
Cyclohexane	---	U	0.50	ug/L	
Carbon Tetrachloride	---	U	0.50	ug/L	
Benzene	---	U	0.50	ug/L	
1,2-Dichloroethane	---	U	0.50	ug/L	
Trichloroethene	---	U	0.50	ug/L	
1,2-Dichloropropane	---	U	0.50	ug/L	
Bromodichloromethane	---	U	0.50	ug/L	
cis-1,3-Dichloropropene	---	U	0.50	ug/L	
4-Methyl-2-Pentanone	---	U	5.0	ug/L	
Toluene	---	U	0.50	ug/L	
trans-1,3-Dichloropropene	---	U	0.50	ug/L	
1,1,2-Trichloroethane	---	U	0.50	ug/L	
Tetrachloroethene	---	U	0.50	ug/L	
Methylcyclohexane	---	U	0.50	ug/L	
Dibromochloromethane	---	U	0.50	ug/L	
1,2-Dibromoethane	---	U	0.50	ug/L	
2-Hexanone	---	U	5.0	ug/L	
Chlorobenzene	---	U	0.50	ug/L	
Ethylbenzene	---	U	0.50	ug/L	
m/p-Xylene	---	U	0.50	ug/L	
o-Xylene	---	U	0.50	ug/L	
Styrene	---	U	0.50	ug/L	
Bromoform	---	U	0.50	ug/L	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: TB-01				Sample ID: 1606044-06	
VOA-TRACE GCMS					
Isopropylbenzene	---	U	0.50	ug/L	
1,1,2,2-Tetrachloroethane	---	U	0.50	ug/L	
1,3-Dichlorobenzene	---	U	0.50	ug/L	
1,4-Dichlorobenzene	---	U	0.50	ug/L	
1,2-Dichlorobenzene	---	U	0.50	ug/L	
1,2-Dibromo-3-Chloropropane	---	U	0.50	ug/L	
1,2,4-Trichlorobenzene	---	U	0.50	ug/L	
1,2,3-Trichlorobenzene	---	U	0.50	ug/L	

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 2 Laboratory
2890 Woodbridge Avenue
Edison , New Jersey 08837
732-906-6886 Phone
732-906-6165 Fax

August 03, 2016

Scott Kirchner
CDM Smith
110 Fieldcrest Avenue, 6th Floor
Edison, NJ 08837

RE: Kingston Rail Yard - 1606029

Enclosed are the results of analyses for samples received by the laboratory between 6/15/2016 and 6/17/2016. The signature below reflects the laboratory's approval of the reported results. If you have any questions concerning this report, please refer to Project Number 1606029 and contact the laboratory.

Sincerely,

John R. Bourbon
Chief, DESA/LB

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 2 Laboratory

Project: Kingston Rail Yard - 1606029

Project Number: 1606029

Project Narrative:

The National Environmental Laboratory Accreditation Conference Institute (TNI) is a voluntary environmental laboratory accreditation association of State and Federal agencies. TNI established and promoted a National Environmental Laboratory Accreditation Program (NELAP) that provides a uniform set of standards for the generation of environmental data that are of known and defensible quality. The EPA Region 2 Laboratory is NELAP accredited. The Laboratory tests that are accredited have met all the requirements established under the TNI Standards.

Condition Comments

None

Comment(s):

The "Sample Analysis Date and Time" is included in the results section for any analyte with a prescribed holding time of 72 hours or less.

Data Qualifier(s):

U- The analyte was not detected at or above the Reporting Limit.
J- The identification of the analyte is acceptable; the reported value is an estimate.
K- The identification of the analyte is acceptable; the reported value may be biased high.
L- The identification of the analyte is acceptable; the reported value may be biased low.
NJ- There is presumptive evidence that the analyte is present; the analyte is reported as a tentative identification. The reported value is an estimate.

Reporting Limit(s):

The Laboratory was able to achieve the Contract Required Quantitation Limits (CRQLs), where applicable, for each analyte requested except for the following analyte(s):

Volatile Organic Compounds: The Reporting Limits for Bromomethane, cis-1,3-Dichloropropane and 2-Hexanone were raised due to problems associated with the initial calibration curve in all samples.

Semi-Volatile Organic Compounds: The Reporting Limit for 2,4-Dinitrophenol was raised accordingly due to problems associated with the initial calibration curve in all samples.

Project: Kingston Rail Yard - 1606029

Project Number: 1606029

Project: Kingston Rail Yard - 1606029

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SUMMARY REPORT FOR SAMPLES

Field ID	Laboratory ID	Matrix	Date Sampled	Date Received
KR-SS-01-A	1606029-01	Solid	06/14/2016 10:40	06/15/2016 11:00
KR-SS-02-A	1606029-02	Solid	06/14/2016 11:00	06/15/2016 11:00
KR-SS-03-A	1606029-03	Solid	06/14/2016 11:15	06/15/2016 11:00
KR-SS-04-A	1606029-04	Solid	06/14/2016 12:00	06/15/2016 11:00
KR-SS-05-A	1606029-05	Solid	06/14/2016 12:15	06/15/2016 11:00
KR-SS-06-A	1606029-06	Solid	06/14/2016 12:20	06/15/2016 11:00
KR-SS-07-A	1606029-07	Solid	06/14/2016 13:40	06/15/2016 11:00
KR-SS-08-A	1606029-08	Solid	06/14/2016 13:45	06/15/2016 11:00
KR-SS-10-A	1606029-09	Solid	06/14/2016 15:20	06/15/2016 11:00
KR-SS-11-A	1606029-10	Solid	06/14/2016 14:30	06/15/2016 11:00
KR-SB-01-A	1606029-11	Solid	06/14/2016 13:45	06/15/2016 11:00
KR-SB-06-A	1606029-12	Solid	06/14/2016 14:40	06/15/2016 11:00
KR-SB-10-A	1606029-13	Solid	06/14/2016 15:40	06/15/2016 11:00
KR-SB-02-A	1606039-01	Solid	06/15/2016 08:15	06/16/2016 11:00
KR-SB-03-A	1606039-02	Solid	06/15/2016 08:45	06/16/2016 11:00
KR-SB-04-A	1606039-03	Solid	06/15/2016 09:20	06/16/2016 11:00
KR-SB-05-A	1606039-04	Solid	06/15/2016 10:15	06/16/2016 11:00
KR-SB-07-A	1606039-05	Solid	06/15/2016 10:45	06/16/2016 11:00
KR-SB-08-A	1606039-06	Solid	06/15/2016 11:20	06/16/2016 11:00
SB-900-A	1606039-07	Solid	06/15/2016 10:50	06/16/2016 11:00
KR-SB-09-A	1606039-08	Solid	06/15/2016 13:10	06/16/2016 11:00
KR-SB-11-A	1606039-09	Solid	06/15/2016 11:55	06/16/2016 11:00
KR-SS-09-A	1606039-10	Solid	06/15/2016 12:50	06/16/2016 11:00
SB-900-B	1606039-11	Solid	06/15/2016 12:00	06/16/2016 11:00
FB-SB-A	1606039-12	Aqueous	06/15/2016 12:30	06/16/2016 11:00
FB-GW-B	1606044-01	Aqueous	06/16/2016 11:05	06/17/2016 10:30
GW-900-1	1606044-02	Aqueous	06/16/2016 12:00	06/17/2016 10:30
KR-GW-01-1	1606044-03	Aqueous	06/16/2016 10:00	06/17/2016 10:30

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 2 Laboratory

Project: Kingston Rail Yard - 1606029

Project Number: 1606029

SUMMARY REPORT FOR SAMPLES

Field ID	Laboratory ID	Matrix	Date Sampled	Date Received
KR-GW-02-1	1606044-04	Aqueous	06/16/2016 12:00	06/17/2016 10:30
KR-GW-03-1	1606044-05	Aqueous	06/16/2016 14:00	06/17/2016 10:30
TB-01	1606044-06	Aqueous	06/16/2016 09:45	06/17/2016 10:30

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 2 Laboratory

Project: Kingston Rail Yard - 1606029

Project Number: 1606029

SUMMARY REPORT FOR METHODS

Analysis	Method	Certification	Matrix
E-Metals ICP TAL	EPA 200.7 SOP C-109 Rev3.3	NELAP	Aqueous
E-Metals ICP TAL	EPA 200.7 SOP C-109 Rev3.3	NELAP	Solid
E-SVOA TCL	EPA 625 SOP C-90 Rev 3.5		Aqueous
E-SVOA TCL	EPA 625 SOP C-90 Rev 3.5		Solid
VOA Low Level Soil	SOM 2.2 SOP C-123 Rev2.5	NELAP	Solid
VOA Trace/SF	EPA DW-1 Rev 2.4	NELAP	Aqueous

Project: Kingston Rail Yard - 1606029

Project Number: 1606029

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SS-01-A				Sample ID: 1606029-01	
NVOA GCMS					
1,4-Dioxane	---	U	68.0	ug/kg dry	
Benzaldehyde	---	U	102	ug/kg dry	
Phenol	110		102	ug/kg dry	
Bis(2-Chloroethyl)Ether	---	U	102	ug/kg dry	
2-Chlorophenol	---	U	102	ug/kg dry	
2-Methylphenol	---	U	102	ug/kg dry	
Bis(2-Chloroisopropyl)Ether	---	U	102	ug/kg dry	
Acetophenone	---	U	102	ug/kg dry	
4-Methylphenol	117		102	ug/kg dry	
N-Nitroso-Di-N-Propylamine	---	U	102	ug/kg dry	
Hexachloroethane	---	U	102	ug/kg dry	
Nitrobenzene	---	U	102	ug/kg dry	
Isophorone	---	U	102	ug/kg dry	
2-Nitrophenol	---	U	102	ug/kg dry	
2,4-Dimethylphenol	---	U	102	ug/kg dry	
Bis(-2-Chloroethoxy)Methane	---	U	102	ug/kg dry	
2,4-Dichlorophenol	---	U	102	ug/kg dry	
Naphthalene	856		102	ug/kg dry	
4-Chloroaniline	---	U	102	ug/kg dry	
Hexachlorobutadiene	---	U	102	ug/kg dry	
Caprolactam	---	U	102	ug/kg dry	
4-Chloro-3-Methylphenol	---	U	102	ug/kg dry	
2-Methylnaphthalene	602		102	ug/kg dry	
1,2,4,5-Tetrachlorobenzene	---	U	102	ug/kg dry	
Hexachlorocyclopentadiene	---	U	102	ug/kg dry	
2,4,6-Trichlorophenol	---	U	102	ug/kg dry	
2,4,5-Trichlorophenol	---	U	102	ug/kg dry	
Biphenyl	307		102	ug/kg dry	

Project: Kingston Rail Yard - 1606029

Project Number: 1606029

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SS-01-A				Sample ID: 1606029-01	
NVOA GCMS					
2-Chloronaphthalene	---	U	102	ug/kg dry	
2-Nitroaniline	---	U	102	ug/kg dry	
Dimethyl Phthalate	---	U	102	ug/kg dry	
Acenaphthylene	158		102	ug/kg dry	
2,6-Dinitrotoluene	---	U	102	ug/kg dry	
3-Nitroaniline	---	U	102	ug/kg dry	
Acenaphthene	468		102	ug/kg dry	
2,4-Dinitrophenol	---	U J	338	ug/kg dry	
4-Nitrophenol	---	U	102	ug/kg dry	
Dibenzofuran	1250		102	ug/kg dry	
2,4-Dinitrotoluene	---	U	102	ug/kg dry	
2,3,4,6-Tetrachlorophenol	---	U	102	ug/kg dry	
Fluorene	367		102	ug/kg dry	
Diethylphthalate	---	U	102	ug/kg dry	
4-Chlorophenyl-Phenylether	---	U	102	ug/kg dry	
4-Nitroaniline	---	U	102	ug/kg dry	
4,6-Dinitro-2-Methylphenol	---	U	102	ug/kg dry	
N-Nitrosodiphenylamine	---	U	102	ug/kg dry	
4-Bromophenyl-Phenylether	---	U	102	ug/kg dry	
Hexachlorobenzene	---	U	102	ug/kg dry	
Atrazine	---	U	102	ug/kg dry	
Pentachlorophenol	---	U	102	ug/kg dry	
Phenanthrene	1890		102	ug/kg dry	
Anthracene	350		102	ug/kg dry	
Carbazole	228		102	ug/kg dry	
Di-N-Butyl Phthalate	---	U	102	ug/kg dry	
Fluoranthene	2970		102	ug/kg dry	

Project: Kingston Rail Yard - 1606029

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SS-01-A				Sample ID: 1606029-01	
NVOA GCMS					
Pyrene	1880		102	ug/kg dry	
Butylbenzylphthalate	---	U	102	ug/kg dry	
3,3'- Dichlorobenzidine	---	U	102	ug/kg dry	
Benzo(A)Anthracene	1060		102	ug/kg dry	
Chrysene	1160		102	ug/kg dry	
Bis(2-Ethylhexyl)Phthalate	---	U	102	ug/kg dry	
Di-N-Octyl Phthalate	---	U	102	ug/kg dry	
Benzo(B)Fluoranthene	2190		102	ug/kg dry	
Benzo(K)Fluoranthene	599		102	ug/kg dry	
Benzo(A)Pyrene	684		102	ug/kg dry	
Indeno(1,2,3-Cd)Pyrene	851		102	ug/kg dry	
Dibenzo(A,H)Anthracene	220		102	ug/kg dry	
Benzo(G,H,I)Perylene	620		102	ug/kg dry	
1,8-Naphthalic anhydride	711	NJ		ug/kg dry	
11H-Benzo[a]fluoren-11-one	758	NJ		ug/kg dry	
7H-Benz[de]anthracen-7-one	811	NJ		ug/kg dry	
9,10-Anthracenedione	649	NJ		ug/kg dry	
Acenaphtho(1,2-B)pyridine	869	NJ		ug/kg dry	
Cyclopenta(def)phenanthrenone	887	NJ		ug/kg dry	
Naphthalene, 1-methyl-	628	NJ		ug/kg dry	
Perylene	1040	NJ		ug/kg dry	
Phthalic anhydride	779	NJ		ug/kg dry	
Metals ICP					
Aluminum	2800		17	mg/kg dry	
Antimony	12		3.3	mg/kg dry	
Arsenic	120		1.3	mg/kg dry	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SS-01-A				Sample ID: 1606029-01	
Metals ICP					
Barium	92		17	mg/kg dry	
Beryllium	0.66		0.50	mg/kg dry	
Cadmium	5.4		0.50	mg/kg dry	
Calcium	2300		83	mg/kg dry	
Chromium	190		0.83	mg/kg dry	
Cobalt	35		3.3	mg/kg dry	
Copper	460		1.7	mg/kg dry	
Iron	350000		83	mg/kg dry	
Lead	94		1.3	mg/kg dry	
Magnesium	350		83	mg/kg dry	
Manganese	1300		0.83	mg/kg dry	
Nickel	160		3.3	mg/kg dry	
Potassium	410		83	mg/kg dry	
Selenium	31		3.3	mg/kg dry	
Silver	---	U	0.83	mg/kg dry	
Sodium	410		170	mg/kg dry	
Thallium	---	U	3.3	mg/kg dry	
Tin	34		1.7	mg/kg dry	
Vanadium	27		3.3	mg/kg dry	
Zinc	70		3.3	mg/kg dry	
Field ID: KR-SS-02-A				Sample ID: 1606029-02	
NVOA GCMS					
1,4-Dioxane	---	U	73.2	ug/kg dry	
Benzaldehyde	---	U	109	ug/kg dry	
Phenol	---	U	109	ug/kg dry	
Bis(2-Chloroethyl)Ether	---	U	109	ug/kg dry	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SS-02-A				Sample ID: 1606029-02	
NVOA GCMS					
2-Chlorophenol	---	U	109	ug/kg dry	
2-Methylphenol	---	U	109	ug/kg dry	
Bis(2-Chloroisopropyl)Ether	---	U	109	ug/kg dry	
Acetophenone	---	U	109	ug/kg dry	
4-Methylphenol	---	U	109	ug/kg dry	
N-Nitroso-Di-N-Propylamine	---	U	109	ug/kg dry	
Hexachloroethane	---	U	109	ug/kg dry	
Nitrobenzene	---	U	109	ug/kg dry	
Isophorone	---	U	109	ug/kg dry	
2-Nitrophenol	---	U	109	ug/kg dry	
2,4-Dimethylphenol	---	U	109	ug/kg dry	
Bis(-2-Chloroethoxy)Methane	---	U	109	ug/kg dry	
2,4-Dichlorophenol	---	U	109	ug/kg dry	
Naphthalene	212		109	ug/kg dry	
4-Chloroaniline	---	U	109	ug/kg dry	
Hexachlorobutadiene	---	U	109	ug/kg dry	
Caprolactam	---	U	109	ug/kg dry	
4-Chloro-3-Methylphenol	---	U	109	ug/kg dry	
2-Methylnaphthalene	179		109	ug/kg dry	
1,2,4,5-Tetrachlorobenzene	---	U	109	ug/kg dry	
Hexachlorocyclopentadiene	---	U	109	ug/kg dry	
2,4,6-Trichlorophenol	---	U	109	ug/kg dry	
2,4,5-Trichlorophenol	---	U	109	ug/kg dry	
Biphenyl	---	U	109	ug/kg dry	
2-Chloronaphthalene	---	U	109	ug/kg dry	
2-Nitroaniline	---	U	109	ug/kg dry	
Dimethyl Phthalate	---	U	109	ug/kg dry	
Acenaphthylene	850		109	ug/kg dry	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SS-02-A				Sample ID: 1606029-02	
NVOA GCMS					
2,6-Dinitrotoluene	---	U	109	ug/kg dry	
3-Nitroaniline	---	U	109	ug/kg dry	
Acenaphthene	---	U	109	ug/kg dry	
2,4-Dinitrophenol	---	U J	364	ug/kg dry	
4-Nitrophenol	---	U	109	ug/kg dry	
Dibenzofuran	154		109	ug/kg dry	
2,4-Dinitrotoluene	---	U	109	ug/kg dry	
2,3,4,6-Tetrachlorophenol	---	U	109	ug/kg dry	
Fluorene	137		109	ug/kg dry	
Diethylphthalate	---	U	109	ug/kg dry	
4-Chlorophenyl-Phenylether	---	U	109	ug/kg dry	
4-Nitroaniline	---	U	109	ug/kg dry	
4,6-Dinitro-2-Methylphenol	---	U	109	ug/kg dry	
N-Nitrosodiphenylamine	---	U	109	ug/kg dry	
4-Bromophenyl-Phenylether	---	U	109	ug/kg dry	
Hexachlorobenzene	---	U	109	ug/kg dry	
Atrazine	---	U	109	ug/kg dry	
Pentachlorophenol	---	U	109	ug/kg dry	
Phenanthrene	1510		109	ug/kg dry	
Anthracene	849		109	ug/kg dry	
Carbazole	316		109	ug/kg dry	
Di-N-Butyl Phthalate	---	U	109	ug/kg dry	
Fluoranthene	5260		546	ug/kg dry	
Pyrene	4430		546	ug/kg dry	
Butylbenzylphthalate	---	U	109	ug/kg dry	
3,3'- Dichlorobenzidine	---	U	109	ug/kg dry	
Benzo(A)Anthracene	4470		546	ug/kg dry	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SS-02-A				Sample ID: 1606029-02	
NVOA GCMS					
Chrysene	4520		546	ug/kg dry	
Bis(2-Ethylhexyl)Phthalate	---	U	109	ug/kg dry	
Di-N-Octyl Phthalate	---	U	109	ug/kg dry	
Benzo(B)Fluoranthene	6640		546	ug/kg dry	
Benzo(K)Fluoranthene	1590		109	ug/kg dry	
Benzo(A)Pyrene	3070		109	ug/kg dry	
Indeno(1,2,3-Cd)Pyrene	1640		109	ug/kg dry	
Dibenzo(A,H)Anthracene	451		109	ug/kg dry	
Benzo(G,H,I)Perylene	1170		109	ug/kg dry	
11H-Benzo[a]fluoren-11-one (01)	1870	NJ		ug/kg dry	
11H-Benzo[a]fluorene	875	NJ		ug/kg dry	
Benzo[b]naphtho[2,3-d]thiop...	955	NJ		ug/kg dry	
Pyrene, 1-methyl-	1220	NJ		ug/kg dry	
Pyrene, 2-methyl- (01)	1220	NJ		ug/kg dry	
Tetrachloroethylene	2830	NJ		ug/kg dry	
Triphenylene, 2-methyl-	1510	NJ		ug/kg dry	
Metals ICP					
Aluminum	6000		8.2	mg/kg dry	
Antimony	1.7		1.6	mg/kg dry	
Arsenic	9.7		0.66	mg/kg dry	
Barium	53		8.2	mg/kg dry	
Beryllium	0.38		0.25	mg/kg dry	
Cadmium	0.68		0.25	mg/kg dry	
Calcium	10000		41	mg/kg dry	
Chromium	12		0.41	mg/kg dry	
Cobalt	7.4		1.6	mg/kg dry	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SS-02-A				Sample ID: 1606029-02	
Metals ICP					
Copper	53		0.82	mg/kg dry	
Iron	19000		4.1	mg/kg dry	
Lead	130		0.66	mg/kg dry	
Magnesium	2000		41	mg/kg dry	
Manganese	400		0.41	mg/kg dry	
Nickel	16		1.6	mg/kg dry	
Potassium	410		41	mg/kg dry	
Selenium	---	U	1.6	mg/kg dry	
Silver	---	U	0.41	mg/kg dry	
Sodium	---	U	82	mg/kg dry	
Thallium	---	U	1.6	mg/kg dry	
Tin	6.1		0.82	mg/kg dry	
Vanadium	14		1.6	mg/kg dry	
Zinc	190		1.6	mg/kg dry	
Field ID: KR-SS-03-A				Sample ID: 1606029-03	
NVOA GCMS					
1,4-Dioxane	---	U L	130	ug/kg dry	
Benzaldehyde	---	U L	195	ug/kg dry	
Phenol	---	U L	195	ug/kg dry	
Bis(2-Chloroethyl)Ether	---	U L	195	ug/kg dry	
2-Chlorophenol	---	U L	195	ug/kg dry	
2-Methylphenol	---	U L	195	ug/kg dry	
Bis(2-Chloroisopropyl)Ether	---	U L	195	ug/kg dry	
Acetophenone	---	U L	195	ug/kg dry	
4-Methylphenol	---	U L	195	ug/kg dry	
N-Nitroso-Di-N-Propylamine	---	U L	195	ug/kg dry	
Hexachloroethane	---	U L	195	ug/kg dry	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SS-03-A				Sample ID: 1606029-03	
NVOA GCMS					
Nitrobenzene	---	U L	195	ug/kg dry	
Isophorone	---	U L	195	ug/kg dry	
2-Nitrophenol	---	U L	195	ug/kg dry	
2,4-Dimethylphenol	---	U L	195	ug/kg dry	
Bis(-2-Chloroethoxy)Methane	---	U L	195	ug/kg dry	
2,4-Dichlorophenol	---	U L	195	ug/kg dry	
Naphthalene	---	U L	195	ug/kg dry	
4-Chloroaniline	---	U L	195	ug/kg dry	
Hexachlorobutadiene	---	U L	195	ug/kg dry	
Caprolactam	---	U L	195	ug/kg dry	
4-Chloro-3-Methylphenol	---	U L	195	ug/kg dry	
2-Methylnaphthalene	---	U L	195	ug/kg dry	
1,2,4,5-Tetrachlorobenzene	---	U L	195	ug/kg dry	
Hexachlorocyclopentadiene	---	U L	195	ug/kg dry	
2,4,6-Trichlorophenol	---	U L	195	ug/kg dry	
2,4,5-Trichlorophenol	---	U L	195	ug/kg dry	
Biphenyl	---	U L	195	ug/kg dry	
2-Chloronaphthalene	---	U L	195	ug/kg dry	
2-Nitroaniline	---	U L	195	ug/kg dry	
Dimethyl Phthalate	---	U L	195	ug/kg dry	
Acenaphthylene	---	U L	195	ug/kg dry	
2,6-Dinitrotoluene	---	U L	195	ug/kg dry	
3-Nitroaniline	---	U L	195	ug/kg dry	
Acenaphthene	1190	L	195	ug/kg dry	
2,4-Dinitrophenol	---	U J	648	ug/kg dry	
4-Nitrophenol	---	U L	195	ug/kg dry	
Dibenzofuran	720	L	195	ug/kg dry	
2,4-Dinitrotoluene	---	U L	195	ug/kg dry	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SS-03-A				Sample ID: 1606029-03	
NVOA GCMS					
2,3,4,6-Tetrachlorophenol	---	U L	195	ug/kg dry	
Fluorene	1130	L	195	ug/kg dry	
Diethylphthalate	---	U L	195	ug/kg dry	
4-Chlorophenyl-Phenylether	---	U L	195	ug/kg dry	
4-Nitroaniline	---	U L	195	ug/kg dry	
4,6-Dinitro-2-Methylphenol	---	U L	195	ug/kg dry	
N-Nitrosodiphenylamine	---	U L	195	ug/kg dry	
4-Bromophenyl-Phenylether	---	U L	195	ug/kg dry	
Hexachlorobenzene	---	U L	195	ug/kg dry	
Atrazine	---	U L	195	ug/kg dry	
Pentachlorophenol	---	U L	195	ug/kg dry	
Phenanthrene	7560	L	1950	ug/kg dry	
Anthracene	2240	L	195	ug/kg dry	
Carbazole	656	L	195	ug/kg dry	
Di-N-Butyl Phthalate	---	U L	195	ug/kg dry	
Fluoranthene	23300	L	1950	ug/kg dry	
Pyrene	12500	L	1950	ug/kg dry	
Butylbenzylphthalate	---	U L	195	ug/kg dry	
3,3'- Dichlorobenzidine	---	U L	195	ug/kg dry	
Benzo(A)Anthracene	1520	L	195	ug/kg dry	
Chrysene	6170	L	195	ug/kg dry	
Bis(2-Ethylhexyl)Phthalate	3020	K, L	195	ug/kg dry	
Di-N-Octyl Phthalate	---	U L	195	ug/kg dry	
Benzo(B)Fluoranthene	---	U L	195	ug/kg dry	
Benzo(K)Fluoranthene	---	U L	195	ug/kg dry	
Benzo(A)Pyrene	---	U L	195	ug/kg dry	
Indeno(1,2,3-Cd)Pyrene	---	U L	195	ug/kg dry	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SS-03-A				Sample ID: 1606029-03	
NVOA GCMS					
Dibenzo(A,H)Anthracene	---	U L	195	ug/kg dry	
Benzo(G,H,I)Perylene	---	U L	195	ug/kg dry	
2-Phenylnaphthalene	1010	NJ		ug/kg dry	
9,10-Anthracenedione	2300	NJ		ug/kg dry	
Pentadecane, 2,6,10,14-tetr...	2310	NJ		ug/kg dry	
Pentadecane, 2,6,10-trimethyl-	929	NJ		ug/kg dry	
Metals ICP					
Aluminum	2000		11	mg/kg dry	
Antimony	7.1		2.1	mg/kg dry	
Arsenic	30		0.86	mg/kg dry	
Barium	45		11	mg/kg dry	
Beryllium	---	U	0.32	mg/kg dry	
Cadmium	7.3		0.32	mg/kg dry	
Calcium	7700		54	mg/kg dry	
Chromium	220		0.54	mg/kg dry	
Cobalt	23		2.1	mg/kg dry	
Copper	310		1.1	mg/kg dry	
Iron	170000		54	mg/kg dry	
Lead	170		0.86	mg/kg dry	
Magnesium	770		54	mg/kg dry	
Manganese	1100		0.54	mg/kg dry	
Nickel	180		2.1	mg/kg dry	
Potassium	310		54	mg/kg dry	
Selenium	3.5		2.1	mg/kg dry	
Silver	---	U	0.54	mg/kg dry	
Sodium	150		110	mg/kg dry	

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Field ID: KR-SS-03-A				Sample ID: 1606029-03	
Metals ICP					
Thallium	---	U	2.1	mg/kg dry	
Tin	21		1.1	mg/kg dry	
Vanadium	30		2.1	mg/kg dry	
Zinc	330		2.1	mg/kg dry	
Field ID: KR-SS-04-A				Sample ID: 1606029-04	
NVOA GCMS					
1,4-Dioxane	---	U	73.1	ug/kg dry	
Benzaldehyde	---	U L	109	ug/kg dry	
Phenol	---	U L	109	ug/kg dry	
Bis(2-Chloroethyl)Ether	---	U L	109	ug/kg dry	
2-Chlorophenol	---	U L	109	ug/kg dry	
2-Methylphenol	---	U L	109	ug/kg dry	
Bis(2-Chloroisopropyl)Ether	---	U L	109	ug/kg dry	
Acetophenone	---	U L	109	ug/kg dry	
4-Methylphenol	---	U L	109	ug/kg dry	
N-Nitroso-Di-N-Propylamine	---	U L	109	ug/kg dry	
Hexachloroethane	---	U L	109	ug/kg dry	
Nitrobenzene	---	U L	109	ug/kg dry	
Isophorone	---	U L	109	ug/kg dry	
2-Nitrophenol	---	U L	109	ug/kg dry	
2,4-Dimethylphenol	---	U L	109	ug/kg dry	
Bis(-2-Chloroethoxy)Methane	---	U L	109	ug/kg dry	
2,4-Dichlorophenol	---	U L	109	ug/kg dry	
Naphthalene	232		109	ug/kg dry	
4-Chloroaniline	---	U	109	ug/kg dry	
Hexachlorobutadiene	---	U	109	ug/kg dry	
Caprolactam	---	U	109	ug/kg dry	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SS-04-A				Sample ID: 1606029-04	
NVOA GCMS					
4-Chloro-3-Methylphenol	---	U L	109	ug/kg dry	
2-Methylnaphthalene	155		109	ug/kg dry	
1,2,4,5-Tetrachlorobenzene	---	U	109	ug/kg dry	
Hexachlorocyclopentadiene	---	U	109	ug/kg dry	
2,4,6-Trichlorophenol	---	U L	109	ug/kg dry	
2,4,5-Trichlorophenol	---	U L	109	ug/kg dry	
Biphenyl	---	U	109	ug/kg dry	
2-Chloronaphthalene	---	U	109	ug/kg dry	
2-Nitroaniline	---	U	109	ug/kg dry	
Dimethyl Phthalate	---	U	109	ug/kg dry	
Acenaphthylene	155		109	ug/kg dry	
2,6-Dinitrotoluene	---	U	109	ug/kg dry	
3-Nitroaniline	---	U	109	ug/kg dry	
Acenaphthene	---	U	109	ug/kg dry	
2,4-Dinitrophenol	---	U J	364	ug/kg dry	
4-Nitrophenol	---	U L	109	ug/kg dry	
Dibenzofuran	---	U	109	ug/kg dry	
2,4-Dinitrotoluene	---	U	109	ug/kg dry	
2,3,4,6-Tetrachlorophenol	---	U	109	ug/kg dry	
Fluorene	---	U	109	ug/kg dry	
Diethylphthalate	---	U	109	ug/kg dry	
4-Chlorophenyl-Phenylether	---	U	109	ug/kg dry	
4-Nitroaniline	---	U	109	ug/kg dry	
4,6-Dinitro-2-Methylphenol	---	U L	109	ug/kg dry	
N-Nitrosodiphenylamine	---	U	109	ug/kg dry	
4-Bromophenyl-Phenylether	---	U	109	ug/kg dry	
Hexachlorobenzene	---	U	109	ug/kg dry	
Atrazine	---	U	109	ug/kg dry	

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Field ID: KR-SS-04-A				Sample ID: 1606029-04	
NVOA GCMS					
Pentachlorophenol	---	U L	109	ug/kg dry	
Phenanthrene	488		109	ug/kg dry	
Anthracene	154		109	ug/kg dry	
Carbazole	---	U L	109	ug/kg dry	
Di-N-Butyl Phthalate	---	U L	109	ug/kg dry	
Fluoranthene	1260	L	109	ug/kg dry	
Pyrene	1070	L	109	ug/kg dry	
Butylbenzylphthalate	---	U L	109	ug/kg dry	
3,3'- Dichlorobenzidine	---	U L	109	ug/kg dry	
Benzo(A)Anthracene	661	L	109	ug/kg dry	
Chrysene	739	L	109	ug/kg dry	
Bis(2-Ethylhexyl)Phthalate	---	U L	109	ug/kg dry	
Di-N-Octyl Phthalate	---	U L	109	ug/kg dry	
Benzo(B)Fluoranthene	1050	L	109	ug/kg dry	
Benzo(K)Fluoranthene	355	L	109	ug/kg dry	
Benzo(A)Pyrene	613	L	109	ug/kg dry	
Indeno(1,2,3-Cd)Pyrene	383	L	109	ug/kg dry	
Dibenzo(A,H)Anthracene	---	U L	109	ug/kg dry	
Benzo(G,H,I)Perylene	289	L	109	ug/kg dry	
11H-Benzo[a]fluoren-11-one	394	NJ		ug/kg dry	
11H-Benzo[b]fluorene	501	NJ		ug/kg dry	
Pentadecane, 2,6,10,14-tetr...	536	NJ		ug/kg dry	
Tetrachloroethylene	5890	NJ		ug/kg dry	
Metals ICP					
Aluminum	5400		8.8	mg/kg dry	
Antimony	3.7		1.8	mg/kg dry	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SS-04-A				Sample ID: 1606029-04	
Metals ICP					
Arsenic	9.9		0.70	mg/kg dry	
Barium	51		8.8	mg/kg dry	
Beryllium	0.37		0.26	mg/kg dry	
Cadmium	0.30		0.26	mg/kg dry	
Calcium	1200		44	mg/kg dry	
Chromium	9.9		0.44	mg/kg dry	
Cobalt	6.7		1.8	mg/kg dry	
Copper	76		0.88	mg/kg dry	
Iron	20000		4.4	mg/kg dry	
Lead	130		0.70	mg/kg dry	
Magnesium	1900		44	mg/kg dry	
Manganese	360		0.44	mg/kg dry	
Nickel	14		1.8	mg/kg dry	
Potassium	400		44	mg/kg dry	
Selenium	---	U	1.8	mg/kg dry	
Silver	---	U	0.44	mg/kg dry	
Sodium	---	U	88	mg/kg dry	
Thallium	---	U	1.8	mg/kg dry	
Tin	9.7		0.88	mg/kg dry	
Vanadium	13		1.8	mg/kg dry	
Zinc	61		1.8	mg/kg dry	
Field ID: KR-SS-05-A				Sample ID: 1606029-05	
NVOA GCMS					
1,4-Dioxane	---	U L	70.7	ug/kg dry	
Benzaldehyde	---	U L	106	ug/kg dry	
Phenol	---	U L	106	ug/kg dry	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SS-05-A				Sample ID: 1606029-05	
NVOA GCMS					
Bis(2-Chloroethyl)Ether	---	U L	106	ug/kg dry	
2-Chlorophenol	---	U L	106	ug/kg dry	
2-Methylphenol	---	U L	106	ug/kg dry	
Bis(2-Chloroisopropyl)Ether	---	U L	106	ug/kg dry	
Acetophenone	---	U L	106	ug/kg dry	
4-Methylphenol	---	U L	106	ug/kg dry	
N-Nitroso-Di-N-Propylamine	---	U L	106	ug/kg dry	
Hexachloroethane	---	U L	106	ug/kg dry	
Nitrobenzene	---	U L	106	ug/kg dry	
Isophorone	---	U L	106	ug/kg dry	
2-Nitrophenol	---	U L	106	ug/kg dry	
2,4-Dimethylphenol	---	U L	106	ug/kg dry	
Bis(-2-Chloroethoxy)Methane	---	U L	106	ug/kg dry	
2,4-Dichlorophenol	---	U L	106	ug/kg dry	
Naphthalene	218	L	106	ug/kg dry	
4-Chloroaniline	---	U	106	ug/kg dry	
Hexachlorobutadiene	---	U	106	ug/kg dry	
Caprolactam	---	U	106	ug/kg dry	
4-Chloro-3-Methylphenol	---	U L	106	ug/kg dry	
2-Methylnaphthalene	192		106	ug/kg dry	
1,2,4,5-Tetrachlorobenzene	---	U	106	ug/kg dry	
Hexachlorocyclopentadiene	---	U	106	ug/kg dry	
2,4,6-Trichlorophenol	---	U L	106	ug/kg dry	
2,4,5-Trichlorophenol	---	U L	106	ug/kg dry	
Biphenyl	---	U	106	ug/kg dry	
2-Chloronaphthalene	---	U	106	ug/kg dry	
2-Nitroaniline	---	U	106	ug/kg dry	
Dimethyl Phthalate	---	U	106	ug/kg dry	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SS-05-A				Sample ID: 1606029-05	
NVOA GCMS					
Acenaphthylene	---	U	106	ug/kg dry	
2,6-Dinitrotoluene	---	U	106	ug/kg dry	
3-Nitroaniline	---	U	106	ug/kg dry	
Acenaphthene	---	U	106	ug/kg dry	
2,4-Dinitrophenol	---	U J	352	ug/kg dry	
4-Nitrophenol	---	U L	106	ug/kg dry	
Dibenzofuran	---	U	106	ug/kg dry	
2,4-Dinitrotoluene	---	U	106	ug/kg dry	
2,3,4,6-Tetrachlorophenol	---	U L	106	ug/kg dry	
Fluorene	---	U	106	ug/kg dry	
Diethylphthalate	---	U	106	ug/kg dry	
4-Chlorophenyl-Phenylether	---	U	106	ug/kg dry	
4-Nitroaniline	---	U	106	ug/kg dry	
4,6-Dinitro-2-Methylphenol	---	U L	106	ug/kg dry	
N-Nitrosodiphenylamine	---	U	106	ug/kg dry	
4-Bromophenyl-Phenylether	---	U	106	ug/kg dry	
Hexachlorobenzene	---	U	106	ug/kg dry	
Atrazine	---	U	106	ug/kg dry	
Pentachlorophenol	---	U L	106	ug/kg dry	
Phenanthrene	145		106	ug/kg dry	
Anthracene	---	U	106	ug/kg dry	
Carbazole	---	U L	106	ug/kg dry	
Di-N-Butyl Phthalate	---	U L	106	ug/kg dry	
Fluoranthene	266	L	106	ug/kg dry	
Pyrene	248	L	106	ug/kg dry	
Butylbenzylphthalate	---	U L	106	ug/kg dry	
3,3'- Dichlorobenzidine	---	U L	106	ug/kg dry	
Benzo(A)Anthracene	126	L	106	ug/kg dry	

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Field ID: KR-SS-05-A				Sample ID: 1606029-05	
NVOA GCMS					
Chrysene	172	L	106	ug/kg dry	
Bis(2-Ethylhexyl)Phthalate	---	U L	106	ug/kg dry	
Di-N-Octyl Phthalate	---	U L	106	ug/kg dry	
Benzo(B)Fluoranthene	248	L	106	ug/kg dry	
Benzo(K)Fluoranthene	---	U L	106	ug/kg dry	
Benzo(A)Pyrene	---	U L	106	ug/kg dry	
Indeno(1,2,3-Cd)Pyrene	---	U L	106	ug/kg dry	
Dibenzo(A,H)Anthracene	---	U L	106	ug/kg dry	
Benzo(G,H,I)Perylene	---	U L	106	ug/kg dry	
HEPTADECANE	1590	NJ		ug/kg dry	
Hexadecane	2820	NJ		ug/kg dry	
Hexadecane, 2,6,10,14-tetra...	1770	NJ		ug/kg dry	
Octadecane	1480	NJ		ug/kg dry	
Pentadecane	4200	NJ		ug/kg dry	
Pentadecane, 2,6,10,14-tetr...	2460	NJ		ug/kg dry	
Tetrachloroethylene	2170	NJ		ug/kg dry	
Tetradecane	1490	NJ		ug/kg dry	
Undecane	1670	NJ		ug/kg dry	
Metals ICP					
Aluminum	5400		8.3	mg/kg dry	
Antimony	2.3		1.7	mg/kg dry	
Arsenic	8.0		0.66	mg/kg dry	
Barium	37		8.3	mg/kg dry	
Beryllium	0.27		0.25	mg/kg dry	
Cadmium	0.47		0.25	mg/kg dry	
Calcium	1300		41	mg/kg dry	

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Field ID: KR-SS-05-A				Sample ID: 1606029-05	
Metals ICP					
Chromium	9.7		0.41	mg/kg dry	
Cobalt	5.2		1.7	mg/kg dry	
Copper	37		0.83	mg/kg dry	
Iron	16000		4.1	mg/kg dry	
Lead	90		0.66	mg/kg dry	
Magnesium	1700		41	mg/kg dry	
Manganese	290		0.41	mg/kg dry	
Nickel	13		1.7	mg/kg dry	
Potassium	340		41	mg/kg dry	
Selenium	---	U	1.7	mg/kg dry	
Silver	---	U	0.41	mg/kg dry	
Sodium	---	U	83	mg/kg dry	
Thallium	---	U	1.7	mg/kg dry	
Tin	5.3		0.83	mg/kg dry	
Vanadium	13		1.7	mg/kg dry	
Zinc	140		1.7	mg/kg dry	
Field ID: KR-SS-06-A				Sample ID: 1606029-06	
NVOA GCMS					
1,4-Dioxane	---	U	71.0	ug/kg dry	
Benzaldehyde	---	U L	106	ug/kg dry	
Phenol	---	U L	106	ug/kg dry	
Bis(2-Chloroethyl)Ether	---	U L	106	ug/kg dry	
2-Chlorophenol	---	U L	106	ug/kg dry	
2-Methylphenol	---	U L	106	ug/kg dry	
Bis(2-Chloroisopropyl)Ether	---	U L	106	ug/kg dry	
Acetophenone	---	U L	106	ug/kg dry	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SS-06-A				Sample ID: 1606029-06	
NVOA GCMS					
4-Methylphenol	---	U L	106	ug/kg dry	
N-Nitroso-Di-N-Propylamine	---	U L	106	ug/kg dry	
Hexachloroethane	---	U L	106	ug/kg dry	
Nitrobenzene	---	U L	106	ug/kg dry	
Isophorone	---	U L	106	ug/kg dry	
2-Nitrophenol	---	U L	106	ug/kg dry	
2,4-Dimethylphenol	---	U L	106	ug/kg dry	
Bis(-2-Chloroethoxy)Methane	---	U L	106	ug/kg dry	
2,4-Dichlorophenol	---	U L	106	ug/kg dry	
Naphthalene	113	L	106	ug/kg dry	
4-Chloroaniline	---	U L	106	ug/kg dry	
Hexachlorobutadiene	---	U L	106	ug/kg dry	
Caprolactam	---	U L	106	ug/kg dry	
4-Chloro-3-Methylphenol	---	U L	106	ug/kg dry	
2-Methylnaphthalene	---	U L	106	ug/kg dry	
1,2,4,5-Tetrachlorobenzene	---	U L	106	ug/kg dry	
Hexachlorocyclopentadiene	---	U L	106	ug/kg dry	
2,4,6-Trichlorophenol	---	U L	106	ug/kg dry	
2,4,5-Trichlorophenol	---	U L	106	ug/kg dry	
Biphenyl	---	U L	106	ug/kg dry	
2-Chloronaphthalene	---	U L	106	ug/kg dry	
2-Nitroaniline	---	U L	106	ug/kg dry	
Dimethyl Phthalate	---	U L	106	ug/kg dry	
Acenaphthylene	---	U L	106	ug/kg dry	
2,6-Dinitrotoluene	---	U L	106	ug/kg dry	
3-Nitroaniline	---	U L	106	ug/kg dry	
Acenaphthene	---	U L	106	ug/kg dry	
2,4-Dinitrophenol	---	U J	353	ug/kg dry	

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Field ID: KR-SS-06-A				Sample ID: 1606029-06	
NVOA GCMS					
4-Nitrophenol	---	U L	106	ug/kg dry	
Dibenzofuran	---	U L	106	ug/kg dry	
2,4-Dinitrotoluene	---	U L	106	ug/kg dry	
2,3,4,6-Tetrachlorophenol	---	U L	106	ug/kg dry	
Fluorene	---	U L	106	ug/kg dry	
Diethylphthalate	---	U L	106	ug/kg dry	
4-Chlorophenyl-Phenylether	---	U L	106	ug/kg dry	
4-Nitroaniline	---	U L	106	ug/kg dry	
4,6-Dinitro-2-Methylphenol	---	U L	106	ug/kg dry	
N-Nitrosodiphenylamine	---	U L	106	ug/kg dry	
4-Bromophenyl-Phenylether	---	U L	106	ug/kg dry	
Hexachlorobenzene	---	U L	106	ug/kg dry	
Atrazine	---	U L	106	ug/kg dry	
Pentachlorophenol	---	U L	106	ug/kg dry	
Phenanthrene	---	U L	106	ug/kg dry	
Anthracene	---	U L	106	ug/kg dry	
Carbazole	---	U L	106	ug/kg dry	
Di-N-Butyl Phthalate	---	U L	106	ug/kg dry	
Fluoranthene	---	U L	106	ug/kg dry	
Pyrene	---	U L	106	ug/kg dry	
Butylbenzylphthalate	---	U L	106	ug/kg dry	
3,3'- Dichlorobenzidine	---	U L	106	ug/kg dry	
Benzo(A)Anthracene	---	U L	106	ug/kg dry	
Chrysene	---	U L	106	ug/kg dry	
Bis(2-Ethylhexyl)Phthalate	---	U L	106	ug/kg dry	
Di-N-Octyl Phthalate	---	U L	106	ug/kg dry	
Benzo(B)Fluoranthene	---	U L	106	ug/kg dry	
Benzo(K)Fluoranthene	---	U L	106	ug/kg dry	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SS-06-A				Sample ID: 1606029-06	
NVOA GCMS					
Benzo(A)Pyrene	---	U L	106	ug/kg dry	
Indeno(1,2,3-Cd)Pyrene	---	U L	106	ug/kg dry	
Dibenzo(A,H)Anthracene	---	U L	106	ug/kg dry	
Benzo(G,H,I)Perylene	---	U L	106	ug/kg dry	
Eicosane	454	NJ		ug/kg dry	
HEPTADECANE	443	NJ		ug/kg dry	
Hexadecane (01)	583	NJ		ug/kg dry	
Hexadecane, 2,6,10,14-tetra...	604	NJ		ug/kg dry	
Pentadecane	904	NJ		ug/kg dry	
Pentadecane, 2,6,10,14-tetr...	1210	NJ		ug/kg dry	
Pentadecane, 2,6,10-trimethyl-	783	NJ		ug/kg dry	
Tetrachloroethylene	6930	NJ		ug/kg dry	
Tetradecane	487	NJ		ug/kg dry	
Metals ICP					
Aluminum	5500		8.3	mg/kg dry	
Antimony	3.4		1.7	mg/kg dry	
Arsenic	9.7		0.66	mg/kg dry	
Barium	56		8.3	mg/kg dry	
Beryllium	0.31		0.25	mg/kg dry	
Cadmium	0.72		0.25	mg/kg dry	
Calcium	4300		41	mg/kg dry	
Chromium	14		0.41	mg/kg dry	
Cobalt	6.4		1.7	mg/kg dry	
Copper	72		0.83	mg/kg dry	
Iron	22000		4.1	mg/kg dry	
Lead	170		0.66	mg/kg dry	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SS-06-A				Sample ID: 1606029-06	
Metals ICP					
Magnesium	1800		41	mg/kg dry	
Manganese	380		0.41	mg/kg dry	
Nickel	18		1.7	mg/kg dry	
Potassium	430		41	mg/kg dry	
Selenium	---	U	1.7	mg/kg dry	
Silver	---	U	0.41	mg/kg dry	
Sodium	---	U	83	mg/kg dry	
Thallium	---	U	1.7	mg/kg dry	
Tin	8.7		0.83	mg/kg dry	
Vanadium	13		1.7	mg/kg dry	
Zinc	310		1.7	mg/kg dry	
Field ID: KR-SS-07-A				Sample ID: 1606029-07	
NVOA GCMS					
1,4-Dioxane	---	U	72.5	ug/kg dry	
Benzaldehyde	154		108	ug/kg dry	
Phenol	---	U	108	ug/kg dry	
Bis(2-Chloroethyl)Ether	---	U	108	ug/kg dry	
2-Chlorophenol	---	U	108	ug/kg dry	
2-Methylphenol	---	U	108	ug/kg dry	
Bis(2-Chloroisopropyl)Ether	---	U	108	ug/kg dry	
Acetophenone	---	U	108	ug/kg dry	
4-Methylphenol	---	U	108	ug/kg dry	
N-Nitroso-Di-N-Propylamine	---	U	108	ug/kg dry	
Hexachloroethane	---	U	108	ug/kg dry	
Nitrobenzene	---	U	108	ug/kg dry	
Isophorone	---	U	108	ug/kg dry	
2-Nitrophenol	---	U	108	ug/kg dry	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SS-07-A				Sample ID: 1606029-07	
NVOA GCMS					
2,4-Dimethylphenol	---	U	108	ug/kg dry	
Bis(-2-Chloroethoxy)Methane	---	U	108	ug/kg dry	
2,4-Dichlorophenol	---	U	108	ug/kg dry	
Naphthalene	564		108	ug/kg dry	
4-Chloroaniline	---	U	108	ug/kg dry	
Hexachlorobutadiene	---	U	108	ug/kg dry	
Caprolactam	---	U	108	ug/kg dry	
4-Chloro-3-Methylphenol	---	U	108	ug/kg dry	
2-Methylnaphthalene	548		108	ug/kg dry	
1,2,4,5-Tetrachlorobenzene	---	U	108	ug/kg dry	
Hexachlorocyclopentadiene	---	U	108	ug/kg dry	
2,4,6-Trichlorophenol	---	U	108	ug/kg dry	
2,4,5-Trichlorophenol	---	U	108	ug/kg dry	
Biphenyl	---	U	108	ug/kg dry	
2-Chloronaphthalene	---	U	108	ug/kg dry	
2-Nitroaniline	---	U	108	ug/kg dry	
Dimethyl Phthalate	---	U	108	ug/kg dry	
Acenaphthylene	1140		108	ug/kg dry	
2,6-Dinitrotoluene	---	U	108	ug/kg dry	
3-Nitroaniline	---	U	108	ug/kg dry	
Acenaphthene	---	U	108	ug/kg dry	
2,4-Dinitrophenol	---	U J	361	ug/kg dry	
4-Nitrophenol	---	U	108	ug/kg dry	
Dibenzofuran	290		108	ug/kg dry	
2,4-Dinitrotoluene	---	U	108	ug/kg dry	
2,3,4,6-Tetrachlorophenol	---	U	108	ug/kg dry	
Fluorene	---	U	108	ug/kg dry	
Diethylphthalate	---	U	108	ug/kg dry	

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Field ID: KR-SS-07-A				Sample ID: 1606029-07	
NVOA GCMS					
4-Chlorophenyl-Phenylether	---	U	108	ug/kg dry	
4-Nitroaniline	---	U	108	ug/kg dry	
4,6-Dinitro-2-Methylphenol	---	U	108	ug/kg dry	
N-Nitrosodiphenylamine	---	U	108	ug/kg dry	
4-Bromophenyl-Phenylether	---	U	108	ug/kg dry	
Hexachlorobenzene	---	U	108	ug/kg dry	
Atrazine	---	U	108	ug/kg dry	
Pentachlorophenol	---	U	108	ug/kg dry	
Phenanthrene	1120		108	ug/kg dry	
Anthracene	795		108	ug/kg dry	
Carbazole	268		108	ug/kg dry	
Di-N-Butyl Phthalate	---	U	108	ug/kg dry	
Fluoranthene	4490		541	ug/kg dry	
Pyrene	3870		541	ug/kg dry	
Butylbenzylphthalate	---	U	108	ug/kg dry	
3,3'- Dichlorobenzidine	---	U	108	ug/kg dry	
Benzo(A)Anthracene	3380		108	ug/kg dry	
Chrysene	3590		108	ug/kg dry	
Bis(2-Ethylhexyl)Phthalate	560		108	ug/kg dry	
Di-N-Octyl Phthalate	---	U	108	ug/kg dry	
Benzo(B)Fluoranthene	6540		541	ug/kg dry	
Benzo(K)Fluoranthene	1470		108	ug/kg dry	
Benzo(A)Pyrene	2610		108	ug/kg dry	
Indeno(1,2,3-Cd)Pyrene	1350		108	ug/kg dry	
Dibenzo(A,H)Anthracene	374		108	ug/kg dry	
Benzo(G,H,I)Perylene	969		108	ug/kg dry	
11H-Benzo[a]fluoren-11-one	1850	NJ		ug/kg dry	

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Field ID: KR-SS-07-A				Sample ID: 1606029-07	
NVOA GCMS					
Benz[a]anthracene, 7-methyl-	1420	NJ		ug/kg dry	
Benzenesulfonamide, N-butyl-	1330	NJ		ug/kg dry	
di-p-Tolylacetylene	1010	NJ		ug/kg dry	
HENTRIACONTANE	1020	NJ		ug/kg dry	
Naphthalene, 1-methyl-	1000	NJ		ug/kg dry	
Naphthalene, 2,3-dimethyl-	974	NJ		ug/kg dry	
Pentadecane, 2,6,10,14-tetr...	1210	NJ		ug/kg dry	
Metals ICP					
Aluminum	5600		8.3	mg/kg dry	
Antimony	4.6		1.7	mg/kg dry	
Arsenic	10		0.66	mg/kg dry	
Barium	59		8.3	mg/kg dry	
Beryllium	0.34		0.25	mg/kg dry	
Cadmium	0.64		0.25	mg/kg dry	
Calcium	3700		41	mg/kg dry	
Chromium	15		0.41	mg/kg dry	
Cobalt	6.5		1.7	mg/kg dry	
Copper	100		0.83	mg/kg dry	
Iron	28000		4.1	mg/kg dry	
Lead	170		0.66	mg/kg dry	
Magnesium	1500		41	mg/kg dry	
Manganese	370		0.41	mg/kg dry	
Nickel	18		1.7	mg/kg dry	
Potassium	410		41	mg/kg dry	
Selenium	---	U	1.7	mg/kg dry	
Silver	---	U	0.41	mg/kg dry	

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SS-07-A				Sample ID: 1606029-07	
Metals ICP					
Sodium	---	U	83	mg/kg dry	
Thallium	---	U	1.7	mg/kg dry	
Tin	16		0.83	mg/kg dry	
Vanadium	16		1.7	mg/kg dry	
Zinc	84		1.7	mg/kg dry	
Field ID: KR-SS-08-A				Sample ID: 1606029-08	
NVOA GCMS					
1,4-Dioxane	---	U	74.9	ug/kg dry	
Benzaldehyde	162		112	ug/kg dry	
Phenol	---	U	112	ug/kg dry	
Bis(2-Chloroethyl)Ether	---	U	112	ug/kg dry	
2-Chlorophenol	---	U	112	ug/kg dry	
2-Methylphenol	---	U	112	ug/kg dry	
Bis(2-Chloroisopropyl)Ether	---	U	112	ug/kg dry	
Acetophenone	---	U	112	ug/kg dry	
4-Methylphenol	---	U	112	ug/kg dry	
N-Nitroso-Di-N-Propylamine	---	U	112	ug/kg dry	
Hexachloroethane	---	U	112	ug/kg dry	
Nitrobenzene	---	U	112	ug/kg dry	
Isophorone	---	U	112	ug/kg dry	
2-Nitrophenol	---	U	112	ug/kg dry	
2,4-Dimethylphenol	---	U	112	ug/kg dry	
Bis(-2-Chloroethoxy)Methane	---	U	112	ug/kg dry	
2,4-Dichlorophenol	---	U	112	ug/kg dry	
Naphthalene	333		112	ug/kg dry	
4-Chloroaniline	---	U	112	ug/kg dry	
Hexachlorobutadiene	---	U	112	ug/kg dry	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SS-08-A				Sample ID: 1606029-08	
NVOA GCMS					
Caprolactam	---	U	112	ug/kg dry	
4-Chloro-3-Methylphenol	---	U	112	ug/kg dry	
2-Methylnaphthalene	352		112	ug/kg dry	
1,2,4,5-Tetrachlorobenzene	---	U	112	ug/kg dry	
Hexachlorocyclopentadiene	---	U L	112	ug/kg dry	
2,4,6-Trichlorophenol	---	U	112	ug/kg dry	
2,4,5-Trichlorophenol	---	U	112	ug/kg dry	
Biphenyl	---	U	112	ug/kg dry	
2-Chloronaphthalene	---	U	112	ug/kg dry	
2-Nitroaniline	---	U	112	ug/kg dry	
Dimethyl Phthalate	---	U	112	ug/kg dry	
Acenaphthylene	466		112	ug/kg dry	
2,6-Dinitrotoluene	---	U	112	ug/kg dry	
3-Nitroaniline	---	U	112	ug/kg dry	
Acenaphthene	---	U	112	ug/kg dry	
2,4-Dinitrophenol	---	U J	372	ug/kg dry	
4-Nitrophenol	---	U	112	ug/kg dry	
Dibenzofuran	126		112	ug/kg dry	
2,4-Dinitrotoluene	---	U	112	ug/kg dry	
2,3,4,6-Tetrachlorophenol	---	U	112	ug/kg dry	
Fluorene	---	U	112	ug/kg dry	
Diethylphthalate	---	U	112	ug/kg dry	
4-Chlorophenyl-Phenylether	---	U	112	ug/kg dry	
4-Nitroaniline	---	U	112	ug/kg dry	
4,6-Dinitro-2-Methylphenol	---	U L	112	ug/kg dry	
N-Nitrosodiphenylamine	---	U	112	ug/kg dry	
4-Bromophenyl-Phenylether	---	U	112	ug/kg dry	
Hexachlorobenzene	---	U	112	ug/kg dry	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SS-08-A				Sample ID: 1606029-08	
NVOA GCMS					
Atrazine	---	U	112	ug/kg dry	
Pentachlorophenol	---	U	112	ug/kg dry	
Phenanthrene	477		112	ug/kg dry	
Anthracene	310		112	ug/kg dry	
Carbazole	---	U	112	ug/kg dry	
Di-N-Butyl Phthalate	---	U	112	ug/kg dry	
Fluoranthene	1580		112	ug/kg dry	
Pyrene	1410		112	ug/kg dry	
Butylbenzylphthalate	---	U	112	ug/kg dry	
3,3'- Dichlorobenzidine	---	U	112	ug/kg dry	
Benzo(A)Anthracene	1260		112	ug/kg dry	
Chrysene	1250		112	ug/kg dry	
Bis(2-Ethylhexyl)Phthalate	---	U	112	ug/kg dry	
Di-N-Octyl Phthalate	---	U	112	ug/kg dry	
Benzo(B)Fluoranthene	2050		112	ug/kg dry	
Benzo(K)Fluoranthene	759		112	ug/kg dry	
Benzo(A)Pyrene	1120		112	ug/kg dry	
Indeno(1,2,3-Cd)Pyrene	595		112	ug/kg dry	
Dibenzo(A,H)Anthracene	144		112	ug/kg dry	
Benzo(G,H,I)Perylene	438		112	ug/kg dry	
11H-Benzo[a]fluoren-11-one	704	NJ		ug/kg dry	
Benz[a]anthracene, 7-methyl-	896	NJ		ug/kg dry	
Naphthalene, 2,3-dimethyl-	549	NJ		ug/kg dry	
Naphthalene, 2-methyl-	603	NJ		ug/kg dry	
Pentadecane, 2,6,10,14-tetr...	847	NJ		ug/kg dry	
Phenanthrene, 2,5-dimethyl-	567	NJ		ug/kg dry	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SS-08-A				Sample ID: 1606029-08	
NVOA GCMS					
Phenanthrene, 2-methyl-	466	NJ		ug/kg dry	
Triphenylene, 2-methyl-	472	NJ		ug/kg dry	
Metals ICP					
Aluminum	4600		8.3	mg/kg dry	
Antimony	5.1		1.7	mg/kg dry	
Arsenic	13		0.66	mg/kg dry	
Barium	62		8.3	mg/kg dry	
Beryllium	0.33		0.25	mg/kg dry	
Cadmium	0.95		0.25	mg/kg dry	
Calcium	4700		41	mg/kg dry	
Chromium	17		0.41	mg/kg dry	
Cobalt	7.0		1.7	mg/kg dry	
Copper	100		0.83	mg/kg dry	
Iron	49000		21	mg/kg dry	
Lead	180		0.66	mg/kg dry	
Magnesium	1400		41	mg/kg dry	
Manganese	390		0.41	mg/kg dry	
Nickel	21		1.7	mg/kg dry	
Potassium	380		41	mg/kg dry	
Selenium	---	U	1.7	mg/kg dry	
Silver	---	U	0.41	mg/kg dry	
Sodium	---	U	83	mg/kg dry	
Thallium	---	U	1.7	mg/kg dry	
Tin	13		0.83	mg/kg dry	
Vanadium	14		1.7	mg/kg dry	
Zinc	84		1.7	mg/kg dry	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SS-10-A				Sample ID: 1606029-09	
NVOA GCMS					
1,4-Dioxane	---	U	68.8	ug/kg dry	
Benzaldehyde	---	U	103	ug/kg dry	
Phenol	---	U	103	ug/kg dry	
Bis(2-Chloroethyl)Ether	---	U	103	ug/kg dry	
2-Chlorophenol	---	U	103	ug/kg dry	
2-Methylphenol	---	U	103	ug/kg dry	
Bis(2-Chloroisopropyl)Ether	---	U	103	ug/kg dry	
Acetophenone	---	U	103	ug/kg dry	
4-Methylphenol	---	U	103	ug/kg dry	
N-Nitroso-Di-N-Propylamine	---	U	103	ug/kg dry	
Hexachloroethane	---	U	103	ug/kg dry	
Nitrobenzene	---	U	103	ug/kg dry	
Isophorone	---	U	103	ug/kg dry	
2-Nitrophenol	---	U	103	ug/kg dry	
2,4-Dimethylphenol	---	U	103	ug/kg dry	
Bis(-2-Chloroethoxy)Methane	---	U	103	ug/kg dry	
2,4-Dichlorophenol	---	U	103	ug/kg dry	
Naphthalene	---	U	103	ug/kg dry	
4-Chloroaniline	---	U	103	ug/kg dry	
Hexachlorobutadiene	---	U	103	ug/kg dry	
Caprolactam	---	U	103	ug/kg dry	
4-Chloro-3-Methylphenol	---	U	103	ug/kg dry	
2-Methylnaphthalene	---	U	103	ug/kg dry	
1,2,4,5-Tetrachlorobenzene	---	U	103	ug/kg dry	
Hexachlorocyclopentadiene	---	U L	103	ug/kg dry	
2,4,6-Trichlorophenol	---	U	103	ug/kg dry	
2,4,5-Trichlorophenol	---	U	103	ug/kg dry	
Biphenyl	---	U	103	ug/kg dry	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SS-10-A				Sample ID: 1606029-09	
NVOA GCMS					
2-Chloronaphthalene	---	U	103	ug/kg dry	
2-Nitroaniline	---	U	103	ug/kg dry	
Dimethyl Phthalate	---	U	103	ug/kg dry	
Acenaphthylene	---	U	103	ug/kg dry	
2,6-Dinitrotoluene	---	U	103	ug/kg dry	
3-Nitroaniline	---	U	103	ug/kg dry	
Acenaphthene	---	U	103	ug/kg dry	
2,4-Dinitrophenol	---	U J	342	ug/kg dry	
4-Nitrophenol	---	U	103	ug/kg dry	
Dibenzofuran	---	U	103	ug/kg dry	
2,4-Dinitrotoluene	---	U	103	ug/kg dry	
2,3,4,6-Tetrachlorophenol	---	U	103	ug/kg dry	
Fluorene	---	U	103	ug/kg dry	
Diethylphthalate	---	U	103	ug/kg dry	
4-Chlorophenyl-Phenylether	---	U	103	ug/kg dry	
4-Nitroaniline	---	U	103	ug/kg dry	
4,6-Dinitro-2-Methylphenol	---	U L	103	ug/kg dry	
N-Nitrosodiphenylamine	---	U	103	ug/kg dry	
4-Bromophenyl-Phenylether	---	U	103	ug/kg dry	
Hexachlorobenzene	---	U	103	ug/kg dry	
Atrazine	---	U	103	ug/kg dry	
Pentachlorophenol	---	U	103	ug/kg dry	
Phenanthrene	---	U	103	ug/kg dry	
Anthracene	---	U	103	ug/kg dry	
Carbazole	---	U	103	ug/kg dry	
Di-N-Butyl Phthalate	---	U	103	ug/kg dry	
Fluoranthene	186		103	ug/kg dry	
Pyrene	146		103	ug/kg dry	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SS-10-A				Sample ID: 1606029-09	
NVOA GCMS					
Butylbenzylphthalate	---	U	103	ug/kg dry	
3,3'- Dichlorobenzidine	---	U	103	ug/kg dry	
Benzo(A)Anthracene	---	U	103	ug/kg dry	
Chrysene	---	U	103	ug/kg dry	
Bis(2-Ethylhexyl)Phthalate	1600	K	103	ug/kg dry	
Di-N-Octyl Phthalate	---	U	103	ug/kg dry	
Benzo(B)Fluoranthene	---	U	103	ug/kg dry	
Benzo(K)Fluoranthene	---	U	103	ug/kg dry	
Benzo(A)Pyrene	---	U	103	ug/kg dry	
Indeno(1,2,3-Cd)Pyrene	---	U	103	ug/kg dry	
Dibenzo(A,H)Anthracene	---	U	103	ug/kg dry	
Benzo(G,H,I)Perylene	---	U	103	ug/kg dry	
1-Hexanol, 2-ethyl-	4160	NJ		ug/kg dry	
Metals ICP					
Aluminum	5700		8.3	mg/kg dry	
Antimony	---	U	1.7	mg/kg dry	
Arsenic	4.6		0.66	mg/kg dry	
Barium	22		8.3	mg/kg dry	
Beryllium	---	U	0.25	mg/kg dry	
Cadmium	---	U	0.25	mg/kg dry	
Calcium	17000		41	mg/kg dry	
Chromium	8.1		0.41	mg/kg dry	
Cobalt	5.1		1.7	mg/kg dry	
Copper	13		0.83	mg/kg dry	
Iron	12000		4.1	mg/kg dry	
Lead	10		0.66	mg/kg dry	
Magnesium	2200		41	mg/kg dry	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SS-10-A				Sample ID: 1606029-09	
Metals ICP					
Manganese	330		0.41	mg/kg dry	
Nickel	13		1.7	mg/kg dry	
Potassium	360		41	mg/kg dry	
Selenium	---	U	1.7	mg/kg dry	
Silver	---	U	0.41	mg/kg dry	
Sodium	---	U	83	mg/kg dry	
Thallium	---	U	1.7	mg/kg dry	
Tin	---	U	0.83	mg/kg dry	
Vanadium	9.1		1.7	mg/kg dry	
Zinc	37		1.7	mg/kg dry	
Field ID: KR-SS-11-A				Sample ID: 1606029-10	
NVOA GCMS					
1,4-Dioxane	---	U	71.6	ug/kg dry	
Benzaldehyde	---	U	107	ug/kg dry	
Phenol	---	U	107	ug/kg dry	
Bis(2-Chloroethyl)Ether	---	U	107	ug/kg dry	
2-Chlorophenol	---	U	107	ug/kg dry	
2-Methylphenol	---	U	107	ug/kg dry	
Bis(2-Chloroisopropyl)Ether	---	U	107	ug/kg dry	
Acetophenone	---	U	107	ug/kg dry	
4-Methylphenol	---	U	107	ug/kg dry	
N-Nitroso-Di-N-Propylamine	---	U	107	ug/kg dry	
Hexachloroethane	---	U	107	ug/kg dry	
Nitrobenzene	---	U	107	ug/kg dry	
Isophorone	---	U	107	ug/kg dry	
2-Nitrophenol	---	U	107	ug/kg dry	
2,4-Dimethylphenol	---	U	107	ug/kg dry	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SS-11-A				Sample ID: 1606029-10	
NVOA GCMS					
Bis(-2-Chloroethoxy)Methane	---	U	107	ug/kg dry	
2,4-Dichlorophenol	---	U	107	ug/kg dry	
Naphthalene	491		107	ug/kg dry	
4-Chloroaniline	---	U	107	ug/kg dry	
Hexachlorobutadiene	---	U	107	ug/kg dry	
Caprolactam	---	U	107	ug/kg dry	
4-Chloro-3-Methylphenol	---	U	107	ug/kg dry	
2-Methylnaphthalene	315		107	ug/kg dry	
1,2,4,5-Tetrachlorobenzene	---	U	107	ug/kg dry	
Hexachlorocyclopentadiene	---	U	107	ug/kg dry	
2,4,6-Trichlorophenol	---	U	107	ug/kg dry	
2,4,5-Trichlorophenol	---	U	107	ug/kg dry	
Biphenyl	---	U	107	ug/kg dry	
2-Chloronaphthalene	---	U	107	ug/kg dry	
2-Nitroaniline	---	U	107	ug/kg dry	
Dimethyl Phthalate	---	U	107	ug/kg dry	
Acenaphthylene	---	U	107	ug/kg dry	
2,6-Dinitrotoluene	---	U	107	ug/kg dry	
3-Nitroaniline	---	U	107	ug/kg dry	
Acenaphthene	---	U	107	ug/kg dry	
2,4-Dinitrophenol	---	U J	356	ug/kg dry	
4-Nitrophenol	---	U	107	ug/kg dry	
Dibenzofuran	---	U	107	ug/kg dry	
2,4-Dinitrotoluene	---	U	107	ug/kg dry	
2,3,4,6-Tetrachlorophenol	---	U	107	ug/kg dry	
Fluorene	---	U	107	ug/kg dry	
Diethylphthalate	---	U	107	ug/kg dry	
4-Chlorophenyl-Phenylether	---	U	107	ug/kg dry	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SS-11-A				Sample ID: 1606029-10	
NVOA GCMS					
4-Nitroaniline	---	U	107	ug/kg dry	
4,6-Dinitro-2-Methylphenol	---	U	107	ug/kg dry	
N-Nitrosodiphenylamine	---	U	107	ug/kg dry	
4-Bromophenyl-Phenylether	---	U	107	ug/kg dry	
Hexachlorobenzene	---	U	107	ug/kg dry	
Atrazine	---	U	107	ug/kg dry	
Pentachlorophenol	---	U	107	ug/kg dry	
Phenanthrene	---	U	107	ug/kg dry	
Anthracene	---	U	107	ug/kg dry	
Carbazole	---	U	107	ug/kg dry	
Di-N-Butyl Phthalate	---	U	107	ug/kg dry	
Fluoranthene	---	U	107	ug/kg dry	
Pyrene	---	U	107	ug/kg dry	
Butylbenzylphthalate	---	U	107	ug/kg dry	
3,3'- Dichlorobenzidine	---	U	107	ug/kg dry	
Benzo(A)Anthracene	---	U	107	ug/kg dry	
Chrysene	---	U	107	ug/kg dry	
Bis(2-Ethylhexyl)Phthalate	656		107	ug/kg dry	
Di-N-Octyl Phthalate	---	U	107	ug/kg dry	
Benzo(B)Fluoranthene	---	U	107	ug/kg dry	
Benzo(K)Fluoranthene	---	U	107	ug/kg dry	
Benzo(A)Pyrene	---	U	107	ug/kg dry	
Indeno(1,2,3-Cd)Pyrene	---	U	107	ug/kg dry	
Dibenzo(A,H)Anthracene	---	U	107	ug/kg dry	
Benzo(G,H,I)Perylene	---	U	107	ug/kg dry	
Benzenesulfonamide, N-butyl-	2010	NJ		ug/kg dry	
Dodecane	2910	NJ		ug/kg dry	
Dodecane, 2,6,10-trimethyl-	4130	NJ		ug/kg dry	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SS-11-A				Sample ID: 1606029-10	
NVOA GCMS					
Dodecane, 4-methyl-	9800	NJ		ug/kg dry	
Hexadecane (02)	4080	NJ		ug/kg dry	
Octacosane	2120	NJ		ug/kg dry	
Pentadecane	2980	NJ		ug/kg dry	
Pentadecane, 2,6,10,14-tetr...	5890	NJ		ug/kg dry	
Tetradecane	2890	NJ		ug/kg dry	
Metals ICP					
Aluminum	4900		8.4	mg/kg dry	
Antimony	4.8		1.7	mg/kg dry	
Arsenic	12		0.67	mg/kg dry	
Barium	46		8.4	mg/kg dry	
Beryllium	0.26		0.25	mg/kg dry	
Cadmium	1.3		0.25	mg/kg dry	
Calcium	1900		42	mg/kg dry	
Chromium	14		0.42	mg/kg dry	
Cobalt	6.0		1.7	mg/kg dry	
Copper	97		0.84	mg/kg dry	
Iron	22000		4.2	mg/kg dry	
Lead	140		0.67	mg/kg dry	
Magnesium	1400		42	mg/kg dry	
Manganese	350		0.42	mg/kg dry	
Nickel	14		1.7	mg/kg dry	
Potassium	370		42	mg/kg dry	
Selenium	---	U	1.7	mg/kg dry	
Silver	---	U	0.42	mg/kg dry	
Sodium	110		84	mg/kg dry	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SS-11-A				Sample ID: 1606029-10	
Metals ICP					
Thallium	---	U	1.7	mg/kg dry	
Tin	11		0.84	mg/kg dry	
Vanadium	12		1.7	mg/kg dry	
Zinc	75		1.7	mg/kg dry	
Field ID: KR-SB-01-A				Sample ID: 1606029-11	
VOA GCMS					
Dichlorodifluoromethane	---	U	4.9	ug/kg dry	
Chloromethane	---	U	4.9	ug/kg dry	
Vinyl Chloride	---	U	4.9	ug/kg dry	
Bromomethane	---	U J	130	ug/kg dry	
Chloroethane	---	U	4.9	ug/kg dry	
Trichlorofluoromethane	---	U	4.9	ug/kg dry	
1,1-Dichloroethene	---	U	4.9	ug/kg dry	
1,1,2-Trichloro-1,2,2-Trifluoroethane	---	U	4.9	ug/kg dry	
Carbon Disulfide	---	U	4.9	ug/kg dry	
Acetone	---	U J	9.8	ug/kg dry	
Methyl Acetate	5.7	J	4.9	ug/kg dry	
Methylene Chloride	---	U	4.9	ug/kg dry	
trans-1,2-Dichloroethene	---	U	4.9	ug/kg dry	
cis-1,2-Dichloroethene	---	U	4.9	ug/kg dry	
Methyl tert-Butyl Ether	---	U L	4.9	ug/kg dry	
1,1-Dichloroethane	---	U	4.9	ug/kg dry	
2-Butanone	---	U	9.8	ug/kg dry	
Bromochloromethane	---	U	4.9	ug/kg dry	
Chloroform	---	U	4.9	ug/kg dry	
1,2-Dichloroethane	---	U	4.9	ug/kg dry	
1,1,1-Trichloroethane	---	U	4.9	ug/kg dry	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SB-01-A				Sample ID: 1606029-11	
VOA GCMS					
Cyclohexane	---	U	4.9	ug/kg dry	
Carbon Tetrachloride	---	U	4.9	ug/kg dry	
Benzene	---	U	4.9	ug/kg dry	
Trichloroethene	---	U	4.9	ug/kg dry	
Methylcyclohexane	---	U	4.9	ug/kg dry	
1,2-Dichloropropane	---	U J	4.9	ug/kg dry	
Bromodichloromethane	---	U	4.9	ug/kg dry	
cis-1,3-Dichloropropene	---	U	9.8	ug/kg dry	
trans-1,3-Dichloropropene	---	U	4.9	ug/kg dry	
1,1,2-Trichloroethane	---	U	4.9	ug/kg dry	
Dibromochloromethane	---	U	4.9	ug/kg dry	
Bromoform	---	U	4.9	ug/kg dry	
4-Methyl-2-Pentanone	---	U	9.8	ug/kg dry	
Toluene	---	U	4.9	ug/kg dry	
Tetrachloroethene	6.5		4.9	ug/kg dry	
2-Hexanone	---	U	95	ug/kg dry	
1,2-Dibromoethane	---	U	4.9	ug/kg dry	
Chlorobenzene	---	U	4.9	ug/kg dry	
Ethylbenzene	---	U	4.9	ug/kg dry	
m/p-Xylene	---	U	4.9	ug/kg dry	
o-Xylene	---	U	4.9	ug/kg dry	
Styrene	---	U	4.9	ug/kg dry	
Isopropylbenzene	---	U	4.9	ug/kg dry	
1,1,2,2-Tetrachloroethane	---	U	4.9	ug/kg dry	
1,3-Dichlorobenzene	---	U	4.9	ug/kg dry	
1,4-Dichlorobenzene	---	U	4.9	ug/kg dry	
1,2-Dichlorobenzene	---	U	4.9	ug/kg dry	
1,2-Dibromo-3-Chloropropane	---	U	4.9	ug/kg dry	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SB-01-A				Sample ID: 1606029-11	
VOA GCMS					
1,2,4-Trichlorobenzene	---	U	4.9	ug/kg dry	
1,2,3-Trichlorobenzene	---	U	4.9	ug/kg dry	
Benzene, 1-methyl-2-(1-meth...	250	NJ		ug/kg dry	
Dodecane, 6-methyl-	490	NJ		ug/kg dry	
Tridecane	430	NJ		ug/kg dry	
Undecane (01)	1200	NJ		ug/kg dry	
NVOA GCMS					
1,4-Dioxane	---	U	69.6	ug/kg dry	
Benzaldehyde	---	U	104	ug/kg dry	
Phenol	---	U	104	ug/kg dry	
Bis(2-Chloroethyl)Ether	---	U	104	ug/kg dry	
2-Chlorophenol	---	U	104	ug/kg dry	
2-Methylphenol	---	U	104	ug/kg dry	
Bis(2-Chloroisopropyl)Ether	---	U	104	ug/kg dry	
Acetophenone	---	U	104	ug/kg dry	
4-Methylphenol	---	U	104	ug/kg dry	
N-Nitroso-Di-N-Propylamine	---	U	104	ug/kg dry	
Hexachloroethane	---	U	104	ug/kg dry	
Nitrobenzene	---	U	104	ug/kg dry	
Isophorone	---	U	104	ug/kg dry	
2-Nitrophenol	---	U	104	ug/kg dry	
2,4-Dimethylphenol	---	U	104	ug/kg dry	
Bis(-2-Chloroethoxy)Methane	---	U	104	ug/kg dry	
2,4-Dichlorophenol	---	U	104	ug/kg dry	
Naphthalene	---	U	104	ug/kg dry	
4-Chloroaniline	---	U	104	ug/kg dry	
Hexachlorobutadiene	---	U	104	ug/kg dry	
Caprolactam	---	U	104	ug/kg dry	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SB-01-A				Sample ID: 1606029-11	
NVOA GCMS					
4-Chloro-3-Methylphenol	---	U	104	ug/kg dry	
2-Methylnaphthalene	123		104	ug/kg dry	
1,2,4,5-Tetrachlorobenzene	---	U	104	ug/kg dry	
Hexachlorocyclopentadiene	---	U	104	ug/kg dry	
2,4,6-Trichlorophenol	---	U	104	ug/kg dry	
2,4,5-Trichlorophenol	---	U	104	ug/kg dry	
Biphenyl	---	U	104	ug/kg dry	
2-Chloronaphthalene	---	U	104	ug/kg dry	
2-Nitroaniline	---	U	104	ug/kg dry	
Dimethyl Phthalate	238		104	ug/kg dry	
Acenaphthylene	---	U	104	ug/kg dry	
2,6-Dinitrotoluene	---	U	104	ug/kg dry	
3-Nitroaniline	---	U	104	ug/kg dry	
Acenaphthene	---	U	104	ug/kg dry	
2,4-Dinitrophenol	---	U J	347	ug/kg dry	
4-Nitrophenol	---	U	104	ug/kg dry	
Dibenzofuran	---	U	104	ug/kg dry	
2,4-Dinitrotoluene	---	U	104	ug/kg dry	
2,3,4,6-Tetrachlorophenol	---	U	104	ug/kg dry	
Fluorene	---	U	104	ug/kg dry	
Diethylphthalate	---	U	104	ug/kg dry	
4-Chlorophenyl-Phenylether	---	U	104	ug/kg dry	
4-Nitroaniline	---	U	104	ug/kg dry	
4,6-Dinitro-2-Methylphenol	---	U	104	ug/kg dry	
N-Nitrosodiphenylamine	---	U	104	ug/kg dry	
4-Bromophenyl-Phenylether	---	U	104	ug/kg dry	
Hexachlorobenzene	---	U	104	ug/kg dry	
Atrazine	---	U	104	ug/kg dry	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SB-01-A				Sample ID: 1606029-11	
NVOA GCMS					
Pentachlorophenol	---	U	104	ug/kg dry	
Phenanthrene	141		104	ug/kg dry	
Anthracene	---	U	104	ug/kg dry	
Carbazole	---	U	104	ug/kg dry	
Di-N-Butyl Phthalate	---	U	104	ug/kg dry	
Fluoranthene	---	U	104	ug/kg dry	
Pyrene	---	U	104	ug/kg dry	
Butylbenzylphthalate	---	U	104	ug/kg dry	
3,3'- Dichlorobenzidine	---	U	104	ug/kg dry	
Benzo(A)Anthracene	---	U	104	ug/kg dry	
Chrysene	---	U	104	ug/kg dry	
Bis(2-Ethylhexyl)Phthalate	---	U	104	ug/kg dry	
Di-N-Octyl Phthalate	---	U	104	ug/kg dry	
Benzo(B)Fluoranthene	---	U	104	ug/kg dry	
Benzo(K)Fluoranthene	---	U	104	ug/kg dry	
Benzo(A)Pyrene	---	U	104	ug/kg dry	
Indeno(1,2,3-Cd)Pyrene	---	U	104	ug/kg dry	
Dibenzo(A,H)Anthracene	---	U	104	ug/kg dry	
Benzo(G,H,I)Perylene	---	U	104	ug/kg dry	
HEPTADECANE	5690	NJ		ug/kg dry	
Hexadecane (01)	4840	NJ		ug/kg dry	
Hexadecane, 2,6,10,14-tetra...	1140	NJ		ug/kg dry	
Naphthalene, 1,7-dimethyl-	1250	NJ		ug/kg dry	
Naphthalene, 2,3-dimethyl-	1750	NJ		ug/kg dry	
Nonadecane	1580	NJ		ug/kg dry	
Pentadecane	7800	NJ		ug/kg dry	
Tetradecane	6150	NJ		ug/kg dry	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SB-01-A				Sample ID: 1606029-11	
NVOA GCMS					
Tridecane	3210	NJ		ug/kg dry	
Metals ICP					
Aluminum	5800		8.4	mg/kg dry	
Antimony	---	U	1.7	mg/kg dry	
Arsenic	3.1		0.67	mg/kg dry	
Barium	23		8.4	mg/kg dry	
Beryllium	---	U	0.25	mg/kg dry	
Cadmium	---	U	0.25	mg/kg dry	
Calcium	170		42	mg/kg dry	
Chromium	7.3		0.42	mg/kg dry	
Cobalt	5.1		1.7	mg/kg dry	
Copper	10		0.84	mg/kg dry	
Iron	12000		4.2	mg/kg dry	
Lead	6.1		0.67	mg/kg dry	
Magnesium	2100		42	mg/kg dry	
Manganese	360		0.42	mg/kg dry	
Nickel	13		1.7	mg/kg dry	
Potassium	350		42	mg/kg dry	
Selenium	---	U	1.7	mg/kg dry	
Silver	---	U	0.42	mg/kg dry	
Sodium	---	U	84	mg/kg dry	
Thallium	---	U	1.7	mg/kg dry	
Tin	---	U	0.84	mg/kg dry	
Vanadium	8.5		1.7	mg/kg dry	
Zinc	35		1.7	mg/kg dry	
Field ID: KR-SB-06-A				Sample ID: 1606029-12	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SB-06-A				Sample ID: 1606029-12	
VOA GCMS					
Dichlorodifluoromethane	---	U	4.9	ug/kg dry	
Chloromethane	---	U	4.9	ug/kg dry	
Vinyl Chloride	---	U	4.9	ug/kg dry	
Bromomethane	---	U J	130	ug/kg dry	
Chloroethane	---	U	4.9	ug/kg dry	
Trichlorofluoromethane	---	U	4.9	ug/kg dry	
1,1-Dichloroethene	---	U	4.9	ug/kg dry	
1,1,2-Trichloro-1,2,2-Trifluoroethane	---	U	4.9	ug/kg dry	
Carbon Disulfide	---	U	4.9	ug/kg dry	
Acetone	---	U J	9.9	ug/kg dry	
Methyl Acetate	---	U J	4.9	ug/kg dry	
Methylene Chloride	---	U	4.9	ug/kg dry	
trans-1,2-Dichloroethene	---	U	4.9	ug/kg dry	
cis-1,2-Dichloroethene	---	U	4.9	ug/kg dry	
Methyl tert-Butyl Ether	---	U L	4.9	ug/kg dry	
1,1-Dichloroethane	---	U	4.9	ug/kg dry	
2-Butanone	---	U	9.9	ug/kg dry	
Bromochloromethane	---	U	4.9	ug/kg dry	
Chloroform	---	U	4.9	ug/kg dry	
1,2-Dichloroethane	---	U	4.9	ug/kg dry	
1,1,1-Trichloroethane	---	U	4.9	ug/kg dry	
Cyclohexane	---	U	4.9	ug/kg dry	
Carbon Tetrachloride	---	U	4.9	ug/kg dry	
Benzene	---	U	4.9	ug/kg dry	
Trichloroethene	---	U	4.9	ug/kg dry	
Methylcyclohexane	---	U	4.9	ug/kg dry	
1,2-Dichloropropane	---	U J	4.9	ug/kg dry	
Bromodichloromethane	---	U	4.9	ug/kg dry	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SB-06-A				Sample ID: 1606029-12	
VOA GCMS					
cis-1,3-Dichloropropene	---	U	9.9	ug/kg dry	
trans-1,3-Dichloropropene	---	U	4.9	ug/kg dry	
1,1,2-Trichloroethane	---	U	4.9	ug/kg dry	
Dibromochloromethane	---	U	4.9	ug/kg dry	
Bromoform	---	U	4.9	ug/kg dry	
4-Methyl-2-Pentanone	---	U	9.9	ug/kg dry	
Toluene	---	U	4.9	ug/kg dry	
Tetrachloroethene	56		4.9	ug/kg dry	
2-Hexanone	---	U	96	ug/kg dry	
1,2-Dibromoethane	---	U	4.9	ug/kg dry	
Chlorobenzene	---	U	4.9	ug/kg dry	
Ethylbenzene	---	U	4.9	ug/kg dry	
m/p-Xylene	---	U	4.9	ug/kg dry	
o-Xylene	---	U	4.9	ug/kg dry	
Styrene	---	U	4.9	ug/kg dry	
Isopropylbenzene	---	U	4.9	ug/kg dry	
1,1,2,2-Tetrachloroethane	---	U	4.9	ug/kg dry	
1,3-Dichlorobenzene	---	U	4.9	ug/kg dry	
1,4-Dichlorobenzene	---	U	4.9	ug/kg dry	
1,2-Dichlorobenzene	---	U	4.9	ug/kg dry	
1,2-Dibromo-3-Chloropropane	---	U	4.9	ug/kg dry	
1,2,4-Trichlorobenzene	---	U	4.9	ug/kg dry	
1,2,3-Trichlorobenzene	---	U	4.9	ug/kg dry	
Dodecane	19	NJ		ug/kg dry	
Dodecane, 2,6,11-trimethyl-	24	NJ		ug/kg dry	
Hexadecane	14	NJ		ug/kg dry	
Naphthalene, 1,6-dimethyl- (01)	38	NJ		ug/kg dry	
Naphthalene, 1,6-dimethyl- (02)	30	NJ		ug/kg dry	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SB-06-A				Sample ID: 1606029-12	
VOA GCMS					
Naphthalene, 1,7-dimethyl-	14	NJ		ug/kg dry	
Naphthalene, 1-methyl-	21	NJ		ug/kg dry	
Naphthalene, 2-methyl-	29	NJ		ug/kg dry	
Tetradecane	110	NJ		ug/kg dry	
Tridecane	82	NJ		ug/kg dry	
NVOA GCMS					
1,4-Dioxane	---	U	71.8	ug/kg dry	
Benzaldehyde	---	U	107	ug/kg dry	
Phenol	---	U	107	ug/kg dry	
Bis(2-Chloroethyl)Ether	---	U	107	ug/kg dry	
2-Chlorophenol	---	U	107	ug/kg dry	
2-Methylphenol	---	U	107	ug/kg dry	
Bis(2-Chloroisopropyl)Ether	---	U	107	ug/kg dry	
Acetophenone	---	U	107	ug/kg dry	
4-Methylphenol	---	U	107	ug/kg dry	
N-Nitroso-Di-N-Propylamine	---	U	107	ug/kg dry	
Hexachloroethane	---	U	107	ug/kg dry	
Nitrobenzene	---	U	107	ug/kg dry	
Isophorone	---	U	107	ug/kg dry	
2-Nitrophenol	---	U	107	ug/kg dry	
2,4-Dimethylphenol	---	U	107	ug/kg dry	
Bis(-2-Chloroethoxy)Methane	---	U	107	ug/kg dry	
2,4-Dichlorophenol	---	U	107	ug/kg dry	
Naphthalene	---	U	107	ug/kg dry	
4-Chloroaniline	---	U	107	ug/kg dry	
Hexachlorobutadiene	---	U	107	ug/kg dry	
Caprolactam	---	U	107	ug/kg dry	
4-Chloro-3-Methylphenol	---	U	107	ug/kg dry	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SB-06-A				Sample ID: 1606029-12	
NVOA GCMS					
2-Methylnaphthalene	---	U	107	ug/kg dry	
1,2,4,5-Tetrachlorobenzene	---	U	107	ug/kg dry	
Hexachlorocyclopentadiene	---	U L	107	ug/kg dry	
2,4,6-Trichlorophenol	---	U	107	ug/kg dry	
2,4,5-Trichlorophenol	---	U	107	ug/kg dry	
Biphenyl	---	U	107	ug/kg dry	
2-Chloronaphthalene	---	U	107	ug/kg dry	
2-Nitroaniline	---	U	107	ug/kg dry	
Dimethyl Phthalate	194		107	ug/kg dry	
Acenaphthylene	---	U	107	ug/kg dry	
2,6-Dinitrotoluene	---	U	107	ug/kg dry	
3-Nitroaniline	---	U	107	ug/kg dry	
Acenaphthene	---	U	107	ug/kg dry	
2,4-Dinitrophenol	---	U J	357	ug/kg dry	
4-Nitrophenol	---	U	107	ug/kg dry	
Dibenzofuran	---	U	107	ug/kg dry	
2,4-Dinitrotoluene	---	U	107	ug/kg dry	
2,3,4,6-Tetrachlorophenol	---	U	107	ug/kg dry	
Fluorene	---	U	107	ug/kg dry	
Diethylphthalate	---	U	107	ug/kg dry	
4-Chlorophenyl-Phenylether	---	U	107	ug/kg dry	
4-Nitroaniline	---	U	107	ug/kg dry	
4,6-Dinitro-2-Methylphenol	---	U L	107	ug/kg dry	
N-Nitrosodiphenylamine	---	U	107	ug/kg dry	
4-Bromophenyl-Phenylether	---	U	107	ug/kg dry	
Hexachlorobenzene	---	U	107	ug/kg dry	
Atrazine	---	U	107	ug/kg dry	
Pentachlorophenol	---	U	107	ug/kg dry	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SB-06-A				Sample ID: 1606029-12	
NVOA GCMS					
Phenanthrene	---	U	107	ug/kg dry	
Anthracene	---	U	107	ug/kg dry	
Carbazole	---	U	107	ug/kg dry	
Di-N-Butyl Phthalate	---	U	107	ug/kg dry	
Fluoranthene	---	U	107	ug/kg dry	
Pyrene	---	U	107	ug/kg dry	
Butylbenzylphthalate	---	U	107	ug/kg dry	
3,3'- Dichlorobenzidine	---	U	107	ug/kg dry	
Benzo(A)Anthracene	---	U	107	ug/kg dry	
Chrysene	---	U	107	ug/kg dry	
Bis(2-Ethylhexyl)Phthalate	---	U	107	ug/kg dry	
Di-N-Octyl Phthalate	---	U	107	ug/kg dry	
Benzo(B)Fluoranthene	---	U	107	ug/kg dry	
Benzo(K)Fluoranthene	---	U	107	ug/kg dry	
Benzo(A)Pyrene	---	U	107	ug/kg dry	
Indeno(1,2,3-Cd)Pyrene	---	U	107	ug/kg dry	
Dibenzo(A,H)Anthracene	---	U	107	ug/kg dry	
Benzo(G,H,I)Perylene	---	U	107	ug/kg dry	
Metals ICP					
Aluminum	5600		8.7	mg/kg dry	
Antimony	---	U	1.7	mg/kg dry	
Arsenic	2.7		0.69	mg/kg dry	
Barium	24		8.7	mg/kg dry	
Beryllium	---	U	0.26	mg/kg dry	
Cadmium	---	U	0.26	mg/kg dry	
Calcium	370		43	mg/kg dry	
Chromium	7.4		0.43	mg/kg dry	
Cobalt	5.4		1.7	mg/kg dry	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SB-06-A				Sample ID: 1606029-12	
Metals ICP					
Copper	9.6		0.87	mg/kg dry	
Iron	12000		4.3	mg/kg dry	
Lead	5.9		0.69	mg/kg dry	
Magnesium	2100		43	mg/kg dry	
Manganese	370		0.43	mg/kg dry	
Nickel	13		1.7	mg/kg dry	
Potassium	400		43	mg/kg dry	
Selenium	---	U	1.7	mg/kg dry	
Silver	---	U	0.43	mg/kg dry	
Sodium	---	U	87	mg/kg dry	
Thallium	---	U	1.7	mg/kg dry	
Tin	---	U	0.87	mg/kg dry	
Vanadium	8.2		1.7	mg/kg dry	
Zinc	34		1.7	mg/kg dry	
Field ID: KR-SB-10-A				Sample ID: 1606029-13	
VOA GCMS					
Dichlorodifluoromethane	---	U	5.1	ug/kg dry	
Chloromethane	---	U	5.1	ug/kg dry	
Vinyl Chloride	---	U	5.1	ug/kg dry	
Bromomethane	---	U J	130	ug/kg dry	
Chloroethane	---	U	5.1	ug/kg dry	
Trichlorofluoromethane	---	U	5.1	ug/kg dry	
1,1-Dichloroethene	---	U	5.1	ug/kg dry	
1,1,2-Trichloro-1,2,2-Trifluoroethane	---	U	5.1	ug/kg dry	
Carbon Disulfide	---	U	5.1	ug/kg dry	
Acetone	13	J	10	ug/kg dry	
Methyl Acetate	---	U J	5.1	ug/kg dry	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SB-10-A				Sample ID: 1606029-13	
VOA GCMS					
Methylene Chloride	---	U	5.1	ug/kg dry	
trans-1,2-Dichloroethene	---	U	5.1	ug/kg dry	
cis-1,2-Dichloroethene	---	U	5.1	ug/kg dry	
Methyl tert-Butyl Ether	---	U L	5.1	ug/kg dry	
1,1-Dichloroethane	---	U	5.1	ug/kg dry	
2-Butanone	---	U	10	ug/kg dry	
Bromochloromethane	---	U	5.1	ug/kg dry	
Chloroform	---	U	5.1	ug/kg dry	
1,2-Dichloroethane	---	U	5.1	ug/kg dry	
1,1,1-Trichloroethane	---	U	5.1	ug/kg dry	
Cyclohexane	---	U	5.1	ug/kg dry	
Carbon Tetrachloride	---	U	5.1	ug/kg dry	
Benzene	---	U	5.1	ug/kg dry	
Trichloroethene	---	U	5.1	ug/kg dry	
Methylcyclohexane	---	U	5.1	ug/kg dry	
1,2-Dichloropropane	---	U J	5.1	ug/kg dry	
Bromodichloromethane	---	U	5.1	ug/kg dry	
cis-1,3-Dichloropropene	---	U	10	ug/kg dry	
trans-1,3-Dichloropropene	---	U	5.1	ug/kg dry	
1,1,2-Trichloroethane	---	U	5.1	ug/kg dry	
Dibromochloromethane	---	U	5.1	ug/kg dry	
Bromoform	---	U	5.1	ug/kg dry	
4-Methyl-2-Pentanone	---	U	10	ug/kg dry	
Toluene	---	U	5.1	ug/kg dry	
Tetrachloroethene	5.5		5.1	ug/kg dry	
2-Hexanone	---	U	99	ug/kg dry	
1,2-Dibromoethane	---	U	5.1	ug/kg dry	
Chlorobenzene	---	U	5.1	ug/kg dry	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SB-10-A				Sample ID: 1606029-13	
VOA GCMS					
Ethylbenzene	---	U	5.1	ug/kg dry	
m/p-Xylene	---	U	5.1	ug/kg dry	
o-Xylene	---	U	5.1	ug/kg dry	
Styrene	---	U	5.1	ug/kg dry	
Isopropylbenzene	---	U	5.1	ug/kg dry	
1,1,2,2-Tetrachloroethane	---	U	5.1	ug/kg dry	
1,3-Dichlorobenzene	---	U	5.1	ug/kg dry	
1,4-Dichlorobenzene	---	U	5.1	ug/kg dry	
1,2-Dichlorobenzene	---	U	5.1	ug/kg dry	
1,2-Dibromo-3-Chloropropane	---	U	5.1	ug/kg dry	
1,2,4-Trichlorobenzene	---	U	5.1	ug/kg dry	
1,2,3-Trichlorobenzene	---	U	5.1	ug/kg dry	
Tetradecane	20	NJ		ug/kg dry	
Tridecane	22	NJ		ug/kg dry	
NVOA GCMS					
1,4-Dioxane	---	U	72.1	ug/kg dry	
Benzaldehyde	---	U	108	ug/kg dry	
Phenol	---	U	108	ug/kg dry	
Bis(2-Chloroethyl)Ether	---	U	108	ug/kg dry	
2-Chlorophenol	---	U	108	ug/kg dry	
2-Methylphenol	---	U	108	ug/kg dry	
Bis(2-Chloroisopropyl)Ether	---	U	108	ug/kg dry	
Acetophenone	---	U	108	ug/kg dry	
4-Methylphenol	---	U	108	ug/kg dry	
N-Nitroso-Di-N-Propylamine	---	U	108	ug/kg dry	
Hexachloroethane	---	U	108	ug/kg dry	
Nitrobenzene	---	U	108	ug/kg dry	
Isophorone	---	U	108	ug/kg dry	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SB-10-A				Sample ID: 1606029-13	
NVOA GCMS					
2-Nitrophenol	---	U	108	ug/kg dry	
2,4-Dimethylphenol	---	U	108	ug/kg dry	
Bis(-2-Chloroethoxy)Methane	---	U	108	ug/kg dry	
2,4-Dichlorophenol	---	U	108	ug/kg dry	
Naphthalene	---	U	108	ug/kg dry	
4-Chloroaniline	---	U	108	ug/kg dry	
Hexachlorobutadiene	---	U	108	ug/kg dry	
Caprolactam	---	U	108	ug/kg dry	
4-Chloro-3-Methylphenol	---	U	108	ug/kg dry	
2-Methylnaphthalene	---	U	108	ug/kg dry	
1,2,4,5-Tetrachlorobenzene	---	U	108	ug/kg dry	
Hexachlorocyclopentadiene	---	U L	108	ug/kg dry	
2,4,6-Trichlorophenol	---	U	108	ug/kg dry	
2,4,5-Trichlorophenol	---	U	108	ug/kg dry	
Biphenyl	---	U	108	ug/kg dry	
2-Chloronaphthalene	---	U	108	ug/kg dry	
2-Nitroaniline	---	U	108	ug/kg dry	
Dimethyl Phthalate	215		108	ug/kg dry	
Acenaphthylene	---	U	108	ug/kg dry	
2,6-Dinitrotoluene	---	U	108	ug/kg dry	
3-Nitroaniline	---	U	108	ug/kg dry	
Acenaphthene	---	U	108	ug/kg dry	
2,4-Dinitrophenol	---	U J	359	ug/kg dry	
4-Nitrophenol	---	U	108	ug/kg dry	
Dibenzofuran	---	U	108	ug/kg dry	
2,4-Dinitrotoluene	---	U	108	ug/kg dry	
2,3,4,6-Tetrachlorophenol	---	U	108	ug/kg dry	
Fluorene	---	U	108	ug/kg dry	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SB-10-A				Sample ID: 1606029-13	
NVOA GCMS					
Diethylphthalate	---	U	108	ug/kg dry	
4-Chlorophenyl-Phenylether	---	U	108	ug/kg dry	
4-Nitroaniline	---	U	108	ug/kg dry	
4,6-Dinitro-2-Methylphenol	---	U L	108	ug/kg dry	
N-Nitrosodiphenylamine	---	U	108	ug/kg dry	
4-Bromophenyl-Phenylether	---	U	108	ug/kg dry	
Hexachlorobenzene	---	U	108	ug/kg dry	
Atrazine	---	U	108	ug/kg dry	
Pentachlorophenol	---	U	108	ug/kg dry	
Phenanthrene	---	U	108	ug/kg dry	
Anthracene	---	U	108	ug/kg dry	
Carbazole	---	U	108	ug/kg dry	
Di-N-Butyl Phthalate	---	U	108	ug/kg dry	
Fluoranthene	172		108	ug/kg dry	
Pyrene	168		108	ug/kg dry	
Butylbenzylphthalate	---	U	108	ug/kg dry	
3,3'- Dichlorobenzidine	---	U	108	ug/kg dry	
Benzo(A)Anthracene	135		108	ug/kg dry	
Chrysene	220		108	ug/kg dry	
Bis(2-Ethylhexyl)Phthalate	471	K	108	ug/kg dry	
Di-N-Octyl Phthalate	---	U	108	ug/kg dry	
Benzo(B)Fluoranthene	298		108	ug/kg dry	
Benzo(K)Fluoranthene	117		108	ug/kg dry	
Benzo(A)Pyrene	127		108	ug/kg dry	
Indeno(1,2,3-Cd)Pyrene	---	U	108	ug/kg dry	
Dibenzo(A,H)Anthracene	---	U	108	ug/kg dry	
Benzo(G,H,I)Perylene	---	U	108	ug/kg dry	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SB-10-A				Sample ID: 1606029-13	
NVOA GCMS					
1-Hexanol, 2-ethyl-	517	NJ		ug/kg dry	
Metals ICP					
Aluminum	6000		8.0	mg/kg dry	
Antimony	---	U	1.6	mg/kg dry	
Arsenic	3.8		0.64	mg/kg dry	
Barium	28		8.0	mg/kg dry	
Beryllium	0.25		0.24	mg/kg dry	
Cadmium	---	U	0.24	mg/kg dry	
Calcium	15000		40	mg/kg dry	
Chromium	11		0.40	mg/kg dry	
Cobalt	4.9		1.6	mg/kg dry	
Copper	11		0.80	mg/kg dry	
Iron	12000		4.0	mg/kg dry	
Lead	8.4		0.64	mg/kg dry	
Magnesium	2200		40	mg/kg dry	
Manganese	320		0.40	mg/kg dry	
Nickel	13		1.6	mg/kg dry	
Potassium	460		40	mg/kg dry	
Selenium	---	U	1.6	mg/kg dry	
Silver	---	U	0.40	mg/kg dry	
Sodium	---	U	80	mg/kg dry	
Thallium	---	U	1.6	mg/kg dry	
Tin	---	U	0.80	mg/kg dry	
Vanadium	9.5		1.6	mg/kg dry	
Zinc	35		1.6	mg/kg dry	
Field ID: KR-SB-02-A				Sample ID: 1606039-01	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SB-02-A				Sample ID: 1606039-01	
VOA GCMS					
Dichlorodifluoromethane	---	U	4.3	ug/kg dry	
Chloromethane	---	U	4.3	ug/kg dry	
Vinyl Chloride	---	U	4.3	ug/kg dry	
Bromomethane	---	U J	110	ug/kg dry	
Chloroethane	---	U	4.3	ug/kg dry	
Trichlorofluoromethane	---	U	4.3	ug/kg dry	
1,1-Dichloroethene	---	U	4.3	ug/kg dry	
1,1,2-Trichloro-1,2,2-Trifluoroethane	---	U	4.3	ug/kg dry	
Carbon Disulfide	---	U	4.3	ug/kg dry	
Acetone	12	J	8.6	ug/kg dry	
Methyl Acetate	6.9	J	4.3	ug/kg dry	
Methylene Chloride	---	U	4.3	ug/kg dry	
trans-1,2-Dichloroethene	---	U	4.3	ug/kg dry	
cis-1,2-Dichloroethene	---	U	4.3	ug/kg dry	
Methyl tert-Butyl Ether	---	U L	4.3	ug/kg dry	
1,1-Dichloroethane	---	U	4.3	ug/kg dry	
2-Butanone	---	U	8.6	ug/kg dry	
Bromochloromethane	---	U	4.3	ug/kg dry	
Chloroform	---	U	4.3	ug/kg dry	
1,2-Dichloroethane	---	U	4.3	ug/kg dry	
1,1,1-Trichloroethane	---	U	4.3	ug/kg dry	
Cyclohexane	---	U	4.3	ug/kg dry	
Carbon Tetrachloride	---	U	4.3	ug/kg dry	
Benzene	---	U	4.3	ug/kg dry	
Trichloroethene	---	U	4.3	ug/kg dry	
Methylcyclohexane	---	U	4.3	ug/kg dry	
1,2-Dichloropropane	---	U J	4.3	ug/kg dry	
Bromodichloromethane	---	U	4.3	ug/kg dry	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SB-02-A				Sample ID: 1606039-01	
VOA GCMS					
cis-1,3-Dichloropropene	---	U	8.6	ug/kg dry	
trans-1,3-Dichloropropene	---	U	4.3	ug/kg dry	
1,1,2-Trichloroethane	---	U	4.3	ug/kg dry	
Dibromochloromethane	---	U	4.3	ug/kg dry	
Bromoform	---	U	4.3	ug/kg dry	
4-Methyl-2-Pentanone	---	U	8.6	ug/kg dry	
Toluene	---	U	4.3	ug/kg dry	
Tetrachloroethene	43		4.3	ug/kg dry	
2-Hexanone	---	U	84	ug/kg dry	
1,2-Dibromoethane	---	U	4.3	ug/kg dry	
Chlorobenzene	---	U	4.3	ug/kg dry	
Ethylbenzene	---	U	4.3	ug/kg dry	
m/p-Xylene	---	U	4.3	ug/kg dry	
o-Xylene	---	U	4.3	ug/kg dry	
Styrene	---	U	4.3	ug/kg dry	
Isopropylbenzene	---	U	4.3	ug/kg dry	
1,1,2,2-Tetrachloroethane	---	U	4.3	ug/kg dry	
1,3-Dichlorobenzene	---	U	4.3	ug/kg dry	
1,4-Dichlorobenzene	---	U	4.3	ug/kg dry	
1,2-Dichlorobenzene	---	U	4.3	ug/kg dry	
1,2-Dibromo-3-Chloropropane	---	U	4.3	ug/kg dry	
1,2,4-Trichlorobenzene	---	U	4.3	ug/kg dry	
1,2,3-Trichlorobenzene	---	U	4.3	ug/kg dry	
Tridecane	8.7	NJ		ug/kg dry	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SB-02-A				Sample ID: 1606039-01	
NVOA GCMS					
1,4-Dioxane	---	U	71.6	ug/kg dry	
Benzaldehyde	---	U	107	ug/kg dry	
Phenol	---	U	107	ug/kg dry	
Bis(2-Chloroethyl)Ether	---	U	107	ug/kg dry	
2-Chlorophenol	---	U	107	ug/kg dry	
2-Methylphenol	---	U	107	ug/kg dry	
Bis(2-Chloroisopropyl)Ether	---	U	107	ug/kg dry	
Acetophenone	---	U	107	ug/kg dry	
4-Methylphenol	---	U	107	ug/kg dry	
N-Nitroso-Di-N-Propylamine	---	U	107	ug/kg dry	
Hexachloroethane	---	U	107	ug/kg dry	
Nitrobenzene	---	U	107	ug/kg dry	
Isophorone	---	U	107	ug/kg dry	
2-Nitrophenol	---	U	107	ug/kg dry	
2,4-Dimethylphenol	---	U	107	ug/kg dry	
Bis(-2-Chloroethoxy)Methane	---	U	107	ug/kg dry	
2,4-Dichlorophenol	---	U	107	ug/kg dry	
Naphthalene	---	U	107	ug/kg dry	
4-Chloroaniline	---	U	107	ug/kg dry	
Hexachlorobutadiene	---	U	107	ug/kg dry	
Caprolactam	---	U	107	ug/kg dry	
4-Chloro-3-Methylphenol	---	U	107	ug/kg dry	
2-Methylnaphthalene	---	U	107	ug/kg dry	
1,2,4,5-Tetrachlorobenzene	---	U	107	ug/kg dry	
Hexachlorocyclopentadiene	---	U	107	ug/kg dry	
2,4,6-Trichlorophenol	---	U	107	ug/kg dry	
2,4,5-Trichlorophenol	---	U	107	ug/kg dry	
Biphenyl	---	U	107	ug/kg dry	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SB-02-A				Sample ID: 1606039-01	
NVOA GCMS					
2-Chloronaphthalene	---	U	107	ug/kg dry	
2-Nitroaniline	---	U	107	ug/kg dry	
Dimethyl Phthalate	---	U	107	ug/kg dry	
Acenaphthylene	---	U	107	ug/kg dry	
2,6-Dinitrotoluene	---	U	107	ug/kg dry	
3-Nitroaniline	---	U	107	ug/kg dry	
Acenaphthene	---	U	107	ug/kg dry	
2,4-Dinitrophenol	---	U J	356	ug/kg dry	
4-Nitrophenol	---	U	107	ug/kg dry	
Dibenzofuran	---	U	107	ug/kg dry	
2,4-Dinitrotoluene	---	U	107	ug/kg dry	
2,3,4,6-Tetrachlorophenol	---	U	107	ug/kg dry	
Fluorene	---	U	107	ug/kg dry	
Diethylphthalate	---	U	107	ug/kg dry	
4-Chlorophenyl-Phenylether	---	U	107	ug/kg dry	
4-Nitroaniline	---	U	107	ug/kg dry	
4,6-Dinitro-2-Methylphenol	---	U	107	ug/kg dry	
N-Nitrosodiphenylamine	---	U	107	ug/kg dry	
4-Bromophenyl-Phenylether	---	U	107	ug/kg dry	
Hexachlorobenzene	---	U	107	ug/kg dry	
Atrazine	---	U	107	ug/kg dry	
Pentachlorophenol	---	U	107	ug/kg dry	
Phenanthrene	161		107	ug/kg dry	
Anthracene	---	U	107	ug/kg dry	
Carbazole	---	U	107	ug/kg dry	
Di-N-Butyl Phthalate	---	U	107	ug/kg dry	
Fluoranthene	274		107	ug/kg dry	
Pyrene	241		107	ug/kg dry	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SB-02-A				Sample ID: 1606039-01	
NVOA GCMS					
Butylbenzylphthalate	---	U	107	ug/kg dry	
3,3'- Dichlorobenzidine	---	U	107	ug/kg dry	
Benzo(A)Anthracene	122		107	ug/kg dry	
Chrysene	140		107	ug/kg dry	
Bis(2-Ethylhexyl)Phthalate	---	U	107	ug/kg dry	
Di-N-Octyl Phthalate	---	U	107	ug/kg dry	
Benzo(B)Fluoranthene	169		107	ug/kg dry	
Benzo(K)Fluoranthene	---	U	107	ug/kg dry	
Benzo(A)Pyrene	114		107	ug/kg dry	
Indeno(1,2,3-Cd)Pyrene	---	U	107	ug/kg dry	
Dibenzo(A,H)Anthracene	---	U	107	ug/kg dry	
Benzo(G,H,I)Perylene	---	U	107	ug/kg dry	
Tetrachloroethylene	391	NJ		ug/kg dry	
Metals ICP					
Aluminum	6100		7.9	mg/kg dry	
Antimony	---	U	1.6	mg/kg dry	
Arsenic	3.8		0.63	mg/kg dry	
Barium	30		7.9	mg/kg dry	
Beryllium	0.28		0.24	mg/kg dry	
Cadmium	---	U	0.24	mg/kg dry	
Calcium	480		40	mg/kg dry	
Chromium	7.2		0.40	mg/kg dry	
Cobalt	6.0		1.6	mg/kg dry	
Copper	17		0.79	mg/kg dry	
Iron	12000		4.0	mg/kg dry	
Lead	17		0.63	mg/kg dry	
Magnesium	1800		40	mg/kg dry	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SB-02-A				Sample ID: 1606039-01	
Metals ICP					
Manganese	390		0.40	mg/kg dry	
Nickel	12		1.6	mg/kg dry	
Potassium	280		40	mg/kg dry	
Selenium	---	U	1.6	mg/kg dry	
Silver	---	U	0.40	mg/kg dry	
Sodium	---	U	79	mg/kg dry	
Thallium	---	U	1.6	mg/kg dry	
Tin	---	U	0.79	mg/kg dry	
Vanadium	9.3		1.6	mg/kg dry	
Zinc	36		1.6	mg/kg dry	
Field ID: KR-SB-03-A				Sample ID: 1606039-02	
VOA GCMS					
Dichlorodifluoromethane	---	U	4.5	ug/kg dry	
Chloromethane	6.3		4.5	ug/kg dry	
Vinyl Chloride	---	U	4.5	ug/kg dry	
Bromomethane	---	U J	120	ug/kg dry	
Chloroethane	---	U	4.5	ug/kg dry	
Trichlorofluoromethane	---	U	4.5	ug/kg dry	
1,1-Dichloroethene	---	U	4.5	ug/kg dry	
1,1,2-Trichloro-1,2,2-Trifluoroethane	---	U	4.5	ug/kg dry	
Carbon Disulfide	---	U	4.5	ug/kg dry	
Acetone	16	J	9.0	ug/kg dry	
Methyl Acetate	5.4	J	4.5	ug/kg dry	
Methylene Chloride	---	U	4.5	ug/kg dry	
trans-1,2-Dichloroethene	---	U	4.5	ug/kg dry	
cis-1,2-Dichloroethene	---	U	4.5	ug/kg dry	
Methyl tert-Butyl Ether	---	U L	4.5	ug/kg dry	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SB-03-A				Sample ID: 1606039-02	
VOA GCMS					
1,1-Dichloroethane	---	U	4.5	ug/kg dry	
2-Butanone	---	U	9.0	ug/kg dry	
Bromochloromethane	---	U	4.5	ug/kg dry	
Chloroform	---	U	4.5	ug/kg dry	
1,2-Dichloroethane	---	U	4.5	ug/kg dry	
1,1,1-Trichloroethane	---	U	4.5	ug/kg dry	
Cyclohexane	---	U	4.5	ug/kg dry	
Carbon Tetrachloride	---	U	4.5	ug/kg dry	
Benzene	---	U	4.5	ug/kg dry	
Trichloroethene	---	U	4.5	ug/kg dry	
Methylcyclohexane	---	U	4.5	ug/kg dry	
1,2-Dichloropropane	---	U J	4.5	ug/kg dry	
Bromodichloromethane	---	U	4.5	ug/kg dry	
cis-1,3-Dichloropropene	---	U	9.0	ug/kg dry	
trans-1,3-Dichloropropene	---	U	4.5	ug/kg dry	
1,1,2-Trichloroethane	---	U	4.5	ug/kg dry	
Dibromochloromethane	---	U	4.5	ug/kg dry	
Bromoform	---	U	4.5	ug/kg dry	
4-Methyl-2-Pentanone	---	U	9.0	ug/kg dry	
Toluene	---	U	4.5	ug/kg dry	
Tetrachloroethene	260		26	ug/kg dry	
2-Hexanone	---	U	88	ug/kg dry	
1,2-Dibromoethane	---	U	4.5	ug/kg dry	
Chlorobenzene	---	U	4.5	ug/kg dry	
Ethylbenzene	---	U	4.5	ug/kg dry	
m/p-Xylene	---	U	4.5	ug/kg dry	
o-Xylene	---	U	4.5	ug/kg dry	
Styrene	---	U L	4.5	ug/kg dry	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SB-03-A				Sample ID: 1606039-02	
VOA GCMS					
Isopropylbenzene	---	U	4.5	ug/kg dry	
1,1,2,2-Tetrachloroethane	---	U	4.5	ug/kg dry	
1,3-Dichlorobenzene	---	U	4.5	ug/kg dry	
1,4-Dichlorobenzene	---	U	4.5	ug/kg dry	
1,2-Dichlorobenzene	---	U	4.5	ug/kg dry	
1,2-Dibromo-3-Chloropropane	---	U	4.5	ug/kg dry	
1,2,4-Trichlorobenzene	---	U	4.5	ug/kg dry	
1,2,3-Trichlorobenzene	---	U	4.5	ug/kg dry	
NVOA GCMS					
1,4-Dioxane	---	U	71.5	ug/kg dry	
Benzaldehyde	---	U	107	ug/kg dry	
Phenol	---	U	107	ug/kg dry	
Bis(2-Chloroethyl)Ether	---	U	107	ug/kg dry	
2-Chlorophenol	---	U	107	ug/kg dry	
2-Methylphenol	---	U	107	ug/kg dry	
Bis(2-Chloroisopropyl)Ether	---	U	107	ug/kg dry	
Acetophenone	---	U	107	ug/kg dry	
4-Methylphenol	---	U	107	ug/kg dry	
N-Nitroso-Di-N-Propylamine	---	U	107	ug/kg dry	
Hexachloroethane	---	U	107	ug/kg dry	
Nitrobenzene	---	U	107	ug/kg dry	
Isophorone	---	U	107	ug/kg dry	
2-Nitrophenol	---	U	107	ug/kg dry	
2,4-Dimethylphenol	---	U	107	ug/kg dry	
Bis(-2-Chloroethoxy)Methane	---	U	107	ug/kg dry	
2,4-Dichlorophenol	---	U	107	ug/kg dry	
Naphthalene	---	U	107	ug/kg dry	
4-Chloroaniline	---	U	107	ug/kg dry	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SB-03-A				Sample ID: 1606039-02	
NVOA GCMS					
Hexachlorobutadiene	---	U	107	ug/kg dry	
Caprolactam	---	U	107	ug/kg dry	
4-Chloro-3-Methylphenol	---	U	107	ug/kg dry	
2-Methylnaphthalene	---	U	107	ug/kg dry	
1,2,4,5-Tetrachlorobenzene	---	U	107	ug/kg dry	
Hexachlorocyclopentadiene	---	U	107	ug/kg dry	
2,4,6-Trichlorophenol	---	U	107	ug/kg dry	
2,4,5-Trichlorophenol	---	U	107	ug/kg dry	
Biphenyl	---	U	107	ug/kg dry	
2-Chloronaphthalene	---	U	107	ug/kg dry	
2-Nitroaniline	---	U	107	ug/kg dry	
Dimethyl Phthalate	---	U	107	ug/kg dry	
Acenaphthylene	---	U	107	ug/kg dry	
2,6-Dinitrotoluene	---	U	107	ug/kg dry	
3-Nitroaniline	---	U	107	ug/kg dry	
Acenaphthene	---	U	107	ug/kg dry	
2,4-Dinitrophenol	---	U J	356	ug/kg dry	
4-Nitrophenol	---	U	107	ug/kg dry	
Dibenzofuran	---	U	107	ug/kg dry	
2,4-Dinitrotoluene	---	U	107	ug/kg dry	
2,3,4,6-Tetrachlorophenol	---	U	107	ug/kg dry	
Fluorene	---	U	107	ug/kg dry	
Diethylphthalate	---	U	107	ug/kg dry	
4-Chlorophenyl-Phenylether	---	U	107	ug/kg dry	
4-Nitroaniline	---	U	107	ug/kg dry	
4,6-Dinitro-2-Methylphenol	---	U	107	ug/kg dry	
N-Nitrosodiphenylamine	---	U	107	ug/kg dry	
4-Bromophenyl-Phenylether	---	U	107	ug/kg dry	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SB-03-A				Sample ID: 1606039-02	
NVOA GCMS					
Hexachlorobenzene	---	U	107	ug/kg dry	
Atrazine	---	U	107	ug/kg dry	
Pentachlorophenol	---	U	107	ug/kg dry	
Phenanthrene	---	U	107	ug/kg dry	
Anthracene	---	U	107	ug/kg dry	
Carbazole	---	U	107	ug/kg dry	
Di-N-Butyl Phthalate	---	U	107	ug/kg dry	
Fluoranthene	---	U	107	ug/kg dry	
Pyrene	---	U	107	ug/kg dry	
Butylbenzylphthalate	---	U	107	ug/kg dry	
3,3'- Dichlorobenzidine	---	U	107	ug/kg dry	
Benzo(A)Anthracene	---	U	107	ug/kg dry	
Chrysene	---	U	107	ug/kg dry	
Bis(2-Ethylhexyl)Phthalate	---	U	107	ug/kg dry	
Di-N-Octyl Phthalate	---	U	107	ug/kg dry	
Benzo(B)Fluoranthene	---	U	107	ug/kg dry	
Benzo(K)Fluoranthene	---	U	107	ug/kg dry	
Benzo(A)Pyrene	---	U	107	ug/kg dry	
Indeno(1,2,3-Cd)Pyrene	---	U	107	ug/kg dry	
Dibenzo(A,H)Anthracene	---	U	107	ug/kg dry	
Benzo(G,H,I)Perylene	---	U	107	ug/kg dry	
Metals ICP					
Aluminum	7000		7.9	mg/kg dry	
Antimony	---	U	1.6	mg/kg dry	
Arsenic	3.1		0.64	mg/kg dry	
Barium	20		7.9	mg/kg dry	
Beryllium	0.25		0.24	mg/kg dry	
Cadmium	---	U	0.24	mg/kg dry	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SB-03-A				Sample ID: 1606039-02	
Metals ICP					
Calcium	320		40	mg/kg dry	
Chromium	7.6		0.40	mg/kg dry	
Cobalt	5.1		1.6	mg/kg dry	
Copper	8.0		0.79	mg/kg dry	
Iron	12000		4.0	mg/kg dry	
Lead	5.9		0.64	mg/kg dry	
Magnesium	1800		40	mg/kg dry	
Manganese	340		0.40	mg/kg dry	
Nickel	13		1.6	mg/kg dry	
Potassium	250		40	mg/kg dry	
Selenium	---	U	1.6	mg/kg dry	
Silver	---	U	0.40	mg/kg dry	
Sodium	---	U	79	mg/kg dry	
Thallium	---	U	1.6	mg/kg dry	
Tin	---	U	0.79	mg/kg dry	
Vanadium	10		1.6	mg/kg dry	
Zinc	33		1.6	mg/kg dry	
Field ID: KR-SB-04-A				Sample ID: 1606039-03	
VOA GCMS					
Dichlorodifluoromethane	---	U	5.3	ug/kg dry	
Chloromethane	---	U	5.3	ug/kg dry	
Vinyl Chloride	---	U	5.3	ug/kg dry	
Bromomethane	---	U J	140	ug/kg dry	
Chloroethane	---	U	5.3	ug/kg dry	
Trichlorofluoromethane	---	U	5.3	ug/kg dry	
1,1-Dichloroethene	---	U	5.3	ug/kg dry	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SB-04-A				Sample ID: 1606039-03	
VOA GCMS					
1,1,2-Trichloro-1,2,2-Trifluoroethane	---	U	5.3	ug/kg dry	
Carbon Disulfide	---	U	5.3	ug/kg dry	
Acetone	---	U J	11	ug/kg dry	
Methyl Acetate	---	U J	5.3	ug/kg dry	
Methylene Chloride	---	U	5.3	ug/kg dry	
trans-1,2-Dichloroethene	---	U	5.3	ug/kg dry	
cis-1,2-Dichloroethene	---	U	5.3	ug/kg dry	
Methyl tert-Butyl Ether	---	U L	5.3	ug/kg dry	
1,1-Dichloroethane	---	U	5.3	ug/kg dry	
2-Butanone	---	U	11	ug/kg dry	
Bromochloromethane	---	U	5.3	ug/kg dry	
Chloroform	---	U	5.3	ug/kg dry	
1,2-Dichloroethane	---	U	5.3	ug/kg dry	
1,1,1-Trichloroethane	---	U	5.3	ug/kg dry	
Cyclohexane	---	U	5.3	ug/kg dry	
Carbon Tetrachloride	---	U	5.3	ug/kg dry	
Benzene	---	U	5.3	ug/kg dry	
Trichloroethene	---	U	5.3	ug/kg dry	
Methylcyclohexane	---	U	5.3	ug/kg dry	
1,2-Dichloropropane	---	U J	5.3	ug/kg dry	
Bromodichloromethane	---	U	5.3	ug/kg dry	
cis-1,3-Dichloropropene	---	U	11	ug/kg dry	
trans-1,3-Dichloropropene	---	U	5.3	ug/kg dry	
1,1,2-Trichloroethane	---	U	5.3	ug/kg dry	
Dibromochloromethane	---	U	5.3	ug/kg dry	
Bromoform	---	U	5.3	ug/kg dry	
4-Methyl-2-Pentanone	---	U	11	ug/kg dry	
Toluene	---	U	5.3	ug/kg dry	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SB-04-A				Sample ID: 1606039-03	
VOA GCMS					
Tetrachloroethene	17		5.3	ug/kg dry	
2-Hexanone	---	U	100	ug/kg dry	
1,2-Dibromoethane	---	U	5.3	ug/kg dry	
Chlorobenzene	---	U	5.3	ug/kg dry	
Ethylbenzene	---	U	5.3	ug/kg dry	
m/p-Xylene	---	U	5.3	ug/kg dry	
o-Xylene	---	U	5.3	ug/kg dry	
Styrene	---	U	5.3	ug/kg dry	
Isopropylbenzene	---	U	5.3	ug/kg dry	
1,1,2,2-Tetrachloroethane	---	U	5.3	ug/kg dry	
1,3-Dichlorobenzene	---	U	5.3	ug/kg dry	
1,4-Dichlorobenzene	---	U	5.3	ug/kg dry	
1,2-Dichlorobenzene	---	U	5.3	ug/kg dry	
1,2-Dibromo-3-Chloropropane	---	U	5.3	ug/kg dry	
1,2,4-Trichlorobenzene	---	U	5.3	ug/kg dry	
1,2,3-Trichlorobenzene	---	U	5.3	ug/kg dry	
NVOA GCMS					
1,4-Dioxane	---	U	70.8	ug/kg dry	
Benzaldehyde	---	U	106	ug/kg dry	
Phenol	---	U	106	ug/kg dry	
Bis(2-Chloroethyl)Ether	---	U	106	ug/kg dry	
2-Chlorophenol	---	U	106	ug/kg dry	
2-Methylphenol	---	U	106	ug/kg dry	
Bis(2-Chloroisopropyl)Ether	---	U	106	ug/kg dry	
Acetophenone	---	U	106	ug/kg dry	
4-Methylphenol	---	U	106	ug/kg dry	
N-Nitroso-Di-N-Propylamine	---	U	106	ug/kg dry	
Hexachloroethane	---	U	106	ug/kg dry	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SB-04-A				Sample ID: 1606039-03	
NVOA GCMS					
Nitrobenzene	---	U	106	ug/kg dry	
Isophorone	---	U	106	ug/kg dry	
2-Nitrophenol	---	U	106	ug/kg dry	
2,4-Dimethylphenol	---	U	106	ug/kg dry	
Bis(-2-Chloroethoxy)Methane	---	U	106	ug/kg dry	
2,4-Dichlorophenol	---	U	106	ug/kg dry	
Naphthalene	---	U	106	ug/kg dry	
4-Chloroaniline	---	U	106	ug/kg dry	
Hexachlorobutadiene	---	U	106	ug/kg dry	
Caprolactam	---	U	106	ug/kg dry	
4-Chloro-3-Methylphenol	---	U	106	ug/kg dry	
2-Methylnaphthalene	---	U	106	ug/kg dry	
1,2,4,5-Tetrachlorobenzene	---	U	106	ug/kg dry	
Hexachlorocyclopentadiene	---	U	106	ug/kg dry	
2,4,6-Trichlorophenol	---	U	106	ug/kg dry	
2,4,5-Trichlorophenol	---	U	106	ug/kg dry	
Biphenyl	---	U	106	ug/kg dry	
2-Chloronaphthalene	---	U	106	ug/kg dry	
2-Nitroaniline	---	U	106	ug/kg dry	
Dimethyl Phthalate	---	U	106	ug/kg dry	
Acenaphthylene	---	U	106	ug/kg dry	
2,6-Dinitrotoluene	---	U	106	ug/kg dry	
3-Nitroaniline	---	U	106	ug/kg dry	
Acenaphthene	---	U	106	ug/kg dry	
2,4-Dinitrophenol	---	U J	352	ug/kg dry	
4-Nitrophenol	---	U	106	ug/kg dry	
Dibenzofuran	---	U	106	ug/kg dry	
2,4-Dinitrotoluene	---	U	106	ug/kg dry	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SB-04-A				Sample ID: 1606039-03	
NVOA GCMS					
2,3,4,6-Tetrachlorophenol	---	U	106	ug/kg dry	
Fluorene	---	U	106	ug/kg dry	
Diethylphthalate	---	U	106	ug/kg dry	
4-Chlorophenyl-Phenylether	---	U	106	ug/kg dry	
4-Nitroaniline	---	U	106	ug/kg dry	
4,6-Dinitro-2-Methylphenol	---	U	106	ug/kg dry	
N-Nitrosodiphenylamine	---	U	106	ug/kg dry	
4-Bromophenyl-Phenylether	---	U	106	ug/kg dry	
Hexachlorobenzene	---	U	106	ug/kg dry	
Atrazine	---	U	106	ug/kg dry	
Pentachlorophenol	---	U	106	ug/kg dry	
Phenanthrene	---	U	106	ug/kg dry	
Anthracene	---	U	106	ug/kg dry	
Carbazole	---	U	106	ug/kg dry	
Di-N-Butyl Phthalate	---	U	106	ug/kg dry	
Fluoranthene	---	U	106	ug/kg dry	
Pyrene	---	U	106	ug/kg dry	
Butylbenzylphthalate	---	U	106	ug/kg dry	
3,3'- Dichlorobenzidine	---	U	106	ug/kg dry	
Benzo(A)Anthracene	---	U	106	ug/kg dry	
Chrysene	---	U	106	ug/kg dry	
Bis(2-Ethylhexyl)Phthalate	---	U	106	ug/kg dry	
Di-N-Octyl Phthalate	---	U	106	ug/kg dry	
Benzo(B)Fluoranthene	---	U	106	ug/kg dry	
Benzo(K)Fluoranthene	---	U	106	ug/kg dry	
Benzo(A)Pyrene	---	U	106	ug/kg dry	
Indeno(1,2,3-Cd)Pyrene	---	U	106	ug/kg dry	
Dibenzo(A,H)Anthracene	---	U	106	ug/kg dry	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SB-04-A				Sample ID: 1606039-03	
NVOA GCMS					
Benzo(G,H,I)Perylene	---	U	106	ug/kg dry	
Metals ICP					
Aluminum	6100		8.6	mg/kg dry	
Antimony	---	U	1.7	mg/kg dry	
Arsenic	3.0		0.69	mg/kg dry	
Barium	11		8.6	mg/kg dry	
Beryllium	---	U	0.26	mg/kg dry	
Cadmium	---	U	0.26	mg/kg dry	
Calcium	230		43	mg/kg dry	
Chromium	7.2		0.43	mg/kg dry	
Cobalt	5.3		1.7	mg/kg dry	
Copper	10		0.86	mg/kg dry	
Iron	11000		4.3	mg/kg dry	
Lead	7.6		0.69	mg/kg dry	
Magnesium	2000		43	mg/kg dry	
Manganese	300		0.43	mg/kg dry	
Nickel	12		1.7	mg/kg dry	
Potassium	290		43	mg/kg dry	
Selenium	---	U	1.7	mg/kg dry	
Silver	---	U	0.43	mg/kg dry	
Sodium	---	U	86	mg/kg dry	
Thallium	---	U	1.7	mg/kg dry	
Tin	---	U	0.86	mg/kg dry	
Vanadium	8.4		1.7	mg/kg dry	
Zinc	30		1.7	mg/kg dry	
Field ID: KR-SB-05-A				Sample ID: 1606039-04	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SB-05-A				Sample ID: 1606039-04	
VOA GCMS					
Dichlorodifluoromethane	---	U	5.9	ug/kg dry	
Chloromethane	7.0		5.9	ug/kg dry	
Vinyl Chloride	---	U	5.9	ug/kg dry	
Bromomethane	---	U J	150	ug/kg dry	
Chloroethane	---	U	5.9	ug/kg dry	
Trichlorofluoromethane	---	U	5.9	ug/kg dry	
1,1-Dichloroethene	---	U	5.9	ug/kg dry	
1,1,2-Trichloro-1,2,2-Trifluoroethane	---	U	5.9	ug/kg dry	
Carbon Disulfide	---	U	5.9	ug/kg dry	
Acetone	36	J	12	ug/kg dry	
Methyl Acetate	9.7	J	5.9	ug/kg dry	
Methylene Chloride	---	U	5.9	ug/kg dry	
trans-1,2-Dichloroethene	---	U	5.9	ug/kg dry	
cis-1,2-Dichloroethene	---	U	5.9	ug/kg dry	
Methyl tert-Butyl Ether	---	U L	5.9	ug/kg dry	
1,1-Dichloroethane	---	U	5.9	ug/kg dry	
2-Butanone	---	U	12	ug/kg dry	
Bromochloromethane	---	U	5.9	ug/kg dry	
Chloroform	---	U	5.9	ug/kg dry	
1,2-Dichloroethane	---	U	5.9	ug/kg dry	
1,1,1-Trichloroethane	---	U	5.9	ug/kg dry	
Cyclohexane	---	U	5.9	ug/kg dry	
Carbon Tetrachloride	---	U	5.9	ug/kg dry	
Benzene	---	U	5.9	ug/kg dry	
Trichloroethene	---	U	5.9	ug/kg dry	
Methylcyclohexane	---	U	5.9	ug/kg dry	
1,2-Dichloropropane	---	U J	5.9	ug/kg dry	
Bromodichloromethane	---	U	5.9	ug/kg dry	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SB-05-A				Sample ID: 1606039-04	
VOA GCMS					
cis-1,3-Dichloropropene	---	U	12	ug/kg dry	
trans-1,3-Dichloropropene	---	U	5.9	ug/kg dry	
1,1,2-Trichloroethane	---	U	5.9	ug/kg dry	
Dibromochloromethane	---	U	5.9	ug/kg dry	
Bromoform	---	U	5.9	ug/kg dry	
4-Methyl-2-Pentanone	---	U	12	ug/kg dry	
Toluene	---	U	5.9	ug/kg dry	
Tetrachloroethene	82		5.9	ug/kg dry	
2-Hexanone	---	U	110	ug/kg dry	
1,2-Dibromoethane	---	U	5.9	ug/kg dry	
Chlorobenzene	---	U	5.9	ug/kg dry	
Ethylbenzene	---	U	5.9	ug/kg dry	
m/p-Xylene	---	U	5.9	ug/kg dry	
o-Xylene	---	U	5.9	ug/kg dry	
Styrene	---	U	5.9	ug/kg dry	
Isopropylbenzene	---	U	5.9	ug/kg dry	
1,1,2,2-Tetrachloroethane	---	U	5.9	ug/kg dry	
1,3-Dichlorobenzene	---	U	5.9	ug/kg dry	
1,4-Dichlorobenzene	---	U	5.9	ug/kg dry	
1,2-Dichlorobenzene	---	U	5.9	ug/kg dry	
1,2-Dibromo-3-Chloropropane	---	U	5.9	ug/kg dry	
1,2,4-Trichlorobenzene	---	U	5.9	ug/kg dry	
1,2,3-Trichlorobenzene	---	U	5.9	ug/kg dry	
HEXANAL	14			ug/kg dry	
Propene	14			ug/kg dry	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SB-05-A				Sample ID: 1606039-04	
NVOA GCMS					
1,4-Dioxane	---	U	69.3	ug/kg dry	
Benzaldehyde	---	U	103	ug/kg dry	
Phenol	---	U	103	ug/kg dry	
Bis(2-Chloroethyl)Ether	---	U	103	ug/kg dry	
2-Chlorophenol	---	U	103	ug/kg dry	
2-Methylphenol	---	U	103	ug/kg dry	
Bis(2-Chloroisopropyl)Ether	---	U	103	ug/kg dry	
Acetophenone	---	U	103	ug/kg dry	
4-Methylphenol	---	U	103	ug/kg dry	
N-Nitroso-Di-N-Propylamine	---	U	103	ug/kg dry	
Hexachloroethane	---	U	103	ug/kg dry	
Nitrobenzene	---	U	103	ug/kg dry	
Isophorone	---	U	103	ug/kg dry	
2-Nitrophenol	---	U	103	ug/kg dry	
2,4-Dimethylphenol	---	U	103	ug/kg dry	
Bis(-2-Chloroethoxy)Methane	---	U	103	ug/kg dry	
2,4-Dichlorophenol	---	U	103	ug/kg dry	
Naphthalene	---	U	103	ug/kg dry	
4-Chloroaniline	---	U	103	ug/kg dry	
Hexachlorobutadiene	---	U	103	ug/kg dry	
Caprolactam	---	U	103	ug/kg dry	
4-Chloro-3-Methylphenol	---	U	103	ug/kg dry	
2-Methylnaphthalene	---	U	103	ug/kg dry	
1,2,4,5-Tetrachlorobenzene	---	U	103	ug/kg dry	
Hexachlorocyclopentadiene	---	U	103	ug/kg dry	
2,4,6-Trichlorophenol	---	U	103	ug/kg dry	
2,4,5-Trichlorophenol	---	U	103	ug/kg dry	
Biphenyl	---	U	103	ug/kg dry	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SB-05-A				Sample ID: 1606039-04	
NVOA GCMS					
2-Chloronaphthalene	---	U	103	ug/kg dry	
2-Nitroaniline	---	U	103	ug/kg dry	
Dimethyl Phthalate	118		103	ug/kg dry	
Acenaphthylene	---	U	103	ug/kg dry	
2,6-Dinitrotoluene	---	U	103	ug/kg dry	
3-Nitroaniline	---	U	103	ug/kg dry	
Acenaphthene	---	U	103	ug/kg dry	
2,4-Dinitrophenol	---	U J	345	ug/kg dry	
4-Nitrophenol	---	U	103	ug/kg dry	
Dibenzofuran	---	U	103	ug/kg dry	
2,4-Dinitrotoluene	---	U	103	ug/kg dry	
2,3,4,6-Tetrachlorophenol	---	U	103	ug/kg dry	
Fluorene	---	U	103	ug/kg dry	
Diethylphthalate	---	U	103	ug/kg dry	
4-Chlorophenyl-Phenylether	---	U	103	ug/kg dry	
4-Nitroaniline	---	U	103	ug/kg dry	
4,6-Dinitro-2-Methylphenol	---	U	103	ug/kg dry	
N-Nitrosodiphenylamine	---	U	103	ug/kg dry	
4-Bromophenyl-Phenylether	---	U	103	ug/kg dry	
Hexachlorobenzene	---	U	103	ug/kg dry	
Atrazine	---	U	103	ug/kg dry	
Pentachlorophenol	---	U	103	ug/kg dry	
Phenanthrene	---	U	103	ug/kg dry	
Anthracene	---	U	103	ug/kg dry	
Carbazole	---	U	103	ug/kg dry	
Di-N-Butyl Phthalate	---	U	103	ug/kg dry	
Fluoranthene	186		103	ug/kg dry	
Pyrene	144		103	ug/kg dry	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SB-05-A				Sample ID: 1606039-04	
NVOA GCMS					
Butylbenzylphthalate	---	U	103	ug/kg dry	
3,3'- Dichlorobenzidine	---	U	103	ug/kg dry	
Benzo(A)Anthracene	---	U	103	ug/kg dry	
Chrysene	112		103	ug/kg dry	
Bis(2-Ethylhexyl)Phthalate	---	U	103	ug/kg dry	
Di-N-Octyl Phthalate	---	U	103	ug/kg dry	
Benzo(B)Fluoranthene	158		103	ug/kg dry	
Benzo(K)Fluoranthene	---	U	103	ug/kg dry	
Benzo(A)Pyrene	---	U	103	ug/kg dry	
Indeno(1,2,3-Cd)Pyrene	---	U	103	ug/kg dry	
Dibenzo(A,H)Anthracene	---	U	103	ug/kg dry	
Benzo(G,H,I)Perylene	---	U	103	ug/kg dry	
Metals ICP					
Aluminum	6000		8.5	mg/kg dry	
Antimony	---	U	1.7	mg/kg dry	
Arsenic	3.9		0.68	mg/kg dry	
Barium	17		8.5	mg/kg dry	
Beryllium	---	U	0.25	mg/kg dry	
Cadmium	---	U	0.25	mg/kg dry	
Calcium	170		42	mg/kg dry	
Chromium	8.0		0.42	mg/kg dry	
Cobalt	5.1		1.7	mg/kg dry	
Copper	12		0.85	mg/kg dry	
Iron	12000		4.2	mg/kg dry	
Lead	11		0.68	mg/kg dry	
Magnesium	2100		42	mg/kg dry	
Manganese	330		0.42	mg/kg dry	

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SB-05-A				Sample ID: 1606039-04	
Metals ICP					
Nickel	13		1.7	mg/kg dry	
Potassium	340		42	mg/kg dry	
Selenium	---	U	1.7	mg/kg dry	
Silver	---	U	0.42	mg/kg dry	
Sodium	---	U	85	mg/kg dry	
Thallium	---	U	1.7	mg/kg dry	
Tin	---	U	0.85	mg/kg dry	
Vanadium	8.8		1.7	mg/kg dry	
Zinc	44		1.7	mg/kg dry	
Field ID: KR-SB-07-A				Sample ID: 1606039-05	
VOA GCMS					
Dichlorodifluoromethane	---	U	4.7	ug/kg dry	
Chloromethane	---	U	4.7	ug/kg dry	
Vinyl Chloride	---	U	4.7	ug/kg dry	
Bromomethane	---	U J	120	ug/kg dry	
Chloroethane	---	U	4.7	ug/kg dry	
Trichlorofluoromethane	---	U	4.7	ug/kg dry	
1,1-Dichloroethene	---	U	4.7	ug/kg dry	
1,1,2-Trichloro-1,2,2-Trifluoroethane	---	U	4.7	ug/kg dry	
Carbon Disulfide	---	U	4.7	ug/kg dry	
Acetone	---	U J	9.3	ug/kg dry	
Methyl Acetate	---	U J	4.7	ug/kg dry	
Methylene Chloride	---	U	4.7	ug/kg dry	
trans-1,2-Dichloroethene	---	U	4.7	ug/kg dry	
cis-1,2-Dichloroethene	---	U	4.7	ug/kg dry	
Methyl tert-Butyl Ether	---	U L	4.7	ug/kg dry	
1,1-Dichloroethane	---	U	4.7	ug/kg dry	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SB-07-A				Sample ID: 1606039-05	
VOA GCMS					
2-Butanone	---	U	9.3	ug/kg dry	
Bromochloromethane	---	U	4.7	ug/kg dry	
Chloroform	---	U	4.7	ug/kg dry	
1,2-Dichloroethane	---	U	4.7	ug/kg dry	
1,1,1-Trichloroethane	---	U	4.7	ug/kg dry	
Cyclohexane	---	U	4.7	ug/kg dry	
Carbon Tetrachloride	---	U	4.7	ug/kg dry	
Benzene	---	U	4.7	ug/kg dry	
Trichloroethene	---	U	4.7	ug/kg dry	
Methylcyclohexane	---	U	4.7	ug/kg dry	
1,2-Dichloropropane	---	U J	4.7	ug/kg dry	
Bromodichloromethane	---	U	4.7	ug/kg dry	
cis-1,3-Dichloropropene	---	U	9.3	ug/kg dry	
trans-1,3-Dichloropropene	---	U	4.7	ug/kg dry	
1,1,2-Trichloroethane	---	U	4.7	ug/kg dry	
Dibromochloromethane	---	U	4.7	ug/kg dry	
Bromoform	---	U	4.7	ug/kg dry	
4-Methyl-2-Pentanone	---	U	9.3	ug/kg dry	
Toluene	---	U	4.7	ug/kg dry	
Tetrachloroethene	6.4		4.7	ug/kg dry	
2-Hexanone	---	U	90	ug/kg dry	
1,2-Dibromoethane	---	U	4.7	ug/kg dry	
Chlorobenzene	---	U	4.7	ug/kg dry	
Ethylbenzene	---	U	4.7	ug/kg dry	
m/p-Xylene	---	U	4.7	ug/kg dry	
o-Xylene	---	U	4.7	ug/kg dry	
Styrene	---	U	4.7	ug/kg dry	
Isopropylbenzene	---	U	4.7	ug/kg dry	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SB-07-A				Sample ID: 1606039-05	
VOA GCMS					
1,1,2,2-Tetrachloroethane	---	U	4.7	ug/kg dry	
1,3-Dichlorobenzene	---	U	4.7	ug/kg dry	
1,4-Dichlorobenzene	---	U	4.7	ug/kg dry	
1,2-Dichlorobenzene	---	U	4.7	ug/kg dry	
1,2-Dibromo-3-Chloropropane	---	U	4.7	ug/kg dry	
1,2,4-Trichlorobenzene	---	U	4.7	ug/kg dry	
1,2,3-Trichlorobenzene	---	U	4.7	ug/kg dry	
NVOA GCMS					
1,4-Dioxane	---	U	69.6	ug/kg dry	
Benzaldehyde	---	U	104	ug/kg dry	
Phenol	---	U	104	ug/kg dry	
Bis(2-Chloroethyl)Ether	---	U	104	ug/kg dry	
2-Chlorophenol	---	U	104	ug/kg dry	
2-Methylphenol	---	U	104	ug/kg dry	
Bis(2-Chloroisopropyl)Ether	---	U	104	ug/kg dry	
Acetophenone	---	U	104	ug/kg dry	
4-Methylphenol	---	U	104	ug/kg dry	
N-Nitroso-Di-N-Propylamine	---	U	104	ug/kg dry	
Hexachloroethane	---	U	104	ug/kg dry	
Nitrobenzene	---	U	104	ug/kg dry	
Isophorone	---	U	104	ug/kg dry	
2-Nitrophenol	---	U	104	ug/kg dry	
2,4-Dimethylphenol	---	U	104	ug/kg dry	
Bis(-2-Chloroethoxy)Methane	---	U	104	ug/kg dry	
2,4-Dichlorophenol	---	U	104	ug/kg dry	
Naphthalene	---	U	104	ug/kg dry	
4-Chloroaniline	---	U	104	ug/kg dry	
Hexachlorobutadiene	---	U	104	ug/kg dry	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SB-07-A				Sample ID: 1606039-05	
NVOA GCMS					
Caprolactam	---	U	104	ug/kg dry	
4-Chloro-3-Methylphenol	---	U	104	ug/kg dry	
2-Methylnaphthalene	---	U	104	ug/kg dry	
1,2,4,5-Tetrachlorobenzene	---	U	104	ug/kg dry	
Hexachlorocyclopentadiene	---	U	104	ug/kg dry	
2,4,6-Trichlorophenol	---	U	104	ug/kg dry	
2,4,5-Trichlorophenol	---	U	104	ug/kg dry	
Biphenyl	---	U	104	ug/kg dry	
2-Chloronaphthalene	---	U	104	ug/kg dry	
2-Nitroaniline	---	U	104	ug/kg dry	
Dimethyl Phthalate	128		104	ug/kg dry	
Acenaphthylene	---	U	104	ug/kg dry	
2,6-Dinitrotoluene	---	U	104	ug/kg dry	
3-Nitroaniline	---	U	104	ug/kg dry	
Acenaphthene	---	U	104	ug/kg dry	
2,4-Dinitrophenol	---	U J	346	ug/kg dry	
4-Nitrophenol	---	U	104	ug/kg dry	
Dibenzofuran	---	U	104	ug/kg dry	
2,4-Dinitrotoluene	---	U	104	ug/kg dry	
2,3,4,6-Tetrachlorophenol	---	U	104	ug/kg dry	
Fluorene	---	U	104	ug/kg dry	
Diethylphthalate	---	U	104	ug/kg dry	
4-Chlorophenyl-Phenylether	---	U	104	ug/kg dry	
4-Nitroaniline	---	U	104	ug/kg dry	
4,6-Dinitro-2-Methylphenol	---	U	104	ug/kg dry	
N-Nitrosodiphenylamine	---	U	104	ug/kg dry	
4-Bromophenyl-Phenylether	---	U	104	ug/kg dry	
Hexachlorobenzene	---	U	104	ug/kg dry	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SB-07-A				Sample ID: 1606039-05	
NVOA GCMS					
Atrazine	---	U	104	ug/kg dry	
Pentachlorophenol	---	U	104	ug/kg dry	
Phenanthrene	---	U	104	ug/kg dry	
Anthracene	---	U	104	ug/kg dry	
Carbazole	---	U	104	ug/kg dry	
Di-N-Butyl Phthalate	---	U	104	ug/kg dry	
Fluoranthene	---	U	104	ug/kg dry	
Pyrene	---	U	104	ug/kg dry	
Butylbenzylphthalate	---	U	104	ug/kg dry	
3,3'- Dichlorobenzidine	---	U	104	ug/kg dry	
Benzo(A)Anthracene	---	U	104	ug/kg dry	
Chrysene	---	U	104	ug/kg dry	
Bis(2-Ethylhexyl)Phthalate	---	U	104	ug/kg dry	
Di-N-Octyl Phthalate	---	U	104	ug/kg dry	
Benzo(B)Fluoranthene	---	U	104	ug/kg dry	
Benzo(K)Fluoranthene	---	U	104	ug/kg dry	
Benzo(A)Pyrene	---	U	104	ug/kg dry	
Indeno(1,2,3-Cd)Pyrene	---	U	104	ug/kg dry	
Dibenzo(A,H)Anthracene	---	U	104	ug/kg dry	
Benzo(G,H,I)Perylene	---	U	104	ug/kg dry	
Metals ICP					
Aluminum	6500		7.5	mg/kg dry	
Antimony	---	U	1.5	mg/kg dry	
Arsenic	3.4		0.60	mg/kg dry	
Barium	11		7.5	mg/kg dry	
Beryllium	0.22		0.22	mg/kg dry	
Cadmium	---	U	0.22	mg/kg dry	
Calcium	250		37	mg/kg dry	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SB-07-A				Sample ID: 1606039-05	
Metals ICP					
Chromium	7.6		0.37	mg/kg dry	
Cobalt	5.2		1.5	mg/kg dry	
Copper	9.1		0.75	mg/kg dry	
Iron	12000		3.7	mg/kg dry	
Lead	6.7		0.60	mg/kg dry	
Magnesium	2100		37	mg/kg dry	
Manganese	270		0.37	mg/kg dry	
Nickel	13		1.5	mg/kg dry	
Potassium	280		37	mg/kg dry	
Selenium	---	U	1.5	mg/kg dry	
Silver	---	U	0.37	mg/kg dry	
Sodium	---	U	75	mg/kg dry	
Thallium	---	U	1.5	mg/kg dry	
Tin	---	U	0.75	mg/kg dry	
Vanadium	9.6		1.5	mg/kg dry	
Zinc	29		1.5	mg/kg dry	
Field ID: KR-SB-08-A				Sample ID: 1606039-06	
VOA GCMS					
Dichlorodifluoromethane	---	U	5.1	ug/kg dry	
Chloromethane	---	U	5.1	ug/kg dry	
Vinyl Chloride	---	U	5.1	ug/kg dry	
Bromomethane	---	U J	130	ug/kg dry	
Chloroethane	---	U	5.1	ug/kg dry	
Trichlorofluoromethane	---	U	5.1	ug/kg dry	
1,1-Dichloroethene	---	U	5.1	ug/kg dry	
1,1,2-Trichloro-1,2,2-Trifluoroethane	---	U	5.1	ug/kg dry	
Carbon Disulfide	---	U	5.1	ug/kg dry	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SB-08-A				Sample ID: 1606039-06	
VOA GCMS					
Acetone	11	J	10	ug/kg dry	
Methyl Acetate	---	U J	5.1	ug/kg dry	
Methylene Chloride	---	U	5.1	ug/kg dry	
trans-1,2-Dichloroethene	---	U	5.1	ug/kg dry	
cis-1,2-Dichloroethene	---	U	5.1	ug/kg dry	
Methyl tert-Butyl Ether	---	U L	5.1	ug/kg dry	
1,1-Dichloroethane	---	U	5.1	ug/kg dry	
2-Butanone	---	U	10	ug/kg dry	
Bromochloromethane	---	U	5.1	ug/kg dry	
Chloroform	---	U	5.1	ug/kg dry	
1,2-Dichloroethane	---	U	5.1	ug/kg dry	
1,1,1-Trichloroethane	---	U	5.1	ug/kg dry	
Cyclohexane	---	U	5.1	ug/kg dry	
Carbon Tetrachloride	---	U	5.1	ug/kg dry	
Benzene	---	U	5.1	ug/kg dry	
Trichloroethene	---	U	5.1	ug/kg dry	
Methylcyclohexane	---	U	5.1	ug/kg dry	
1,2-Dichloropropane	---	U J	5.1	ug/kg dry	
Bromodichloromethane	---	U	5.1	ug/kg dry	
cis-1,3-Dichloropropene	---	U	10	ug/kg dry	
trans-1,3-Dichloropropene	---	U	5.1	ug/kg dry	
1,1,2-Trichloroethane	---	U	5.1	ug/kg dry	
Dibromochloromethane	---	U	5.1	ug/kg dry	
Bromoform	---	U	5.1	ug/kg dry	
4-Methyl-2-Pentanone	---	U	10	ug/kg dry	
Toluene	---	U	5.1	ug/kg dry	
Tetrachloroethene	9.7		5.1	ug/kg dry	
2-Hexanone	---	U	98	ug/kg dry	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SB-08-A				Sample ID: 1606039-06	
VOA GCMS					
1,2-Dibromoethane	---	U	5.1	ug/kg dry	
Chlorobenzene	---	U	5.1	ug/kg dry	
Ethylbenzene	---	U	5.1	ug/kg dry	
m/p-Xylene	---	U	5.1	ug/kg dry	
o-Xylene	---	U	5.1	ug/kg dry	
Styrene	---	U	5.1	ug/kg dry	
Isopropylbenzene	---	U	5.1	ug/kg dry	
1,1,2,2-Tetrachloroethane	---	U	5.1	ug/kg dry	
1,3-Dichlorobenzene	---	U	5.1	ug/kg dry	
1,4-Dichlorobenzene	---	U	5.1	ug/kg dry	
1,2-Dichlorobenzene	---	U	5.1	ug/kg dry	
1,2-Dibromo-3-Chloropropane	---	U	5.1	ug/kg dry	
1,2,4-Trichlorobenzene	---	U	5.1	ug/kg dry	
1,2,3-Trichlorobenzene	---	U	5.1	ug/kg dry	
NVOA GCMS					
1,4-Dioxane	---	U	69.8	ug/kg dry	
Benzaldehyde	---	U	104	ug/kg dry	
Phenol	---	U	104	ug/kg dry	
Bis(2-Chloroethyl)Ether	---	U	104	ug/kg dry	
2-Chlorophenol	---	U	104	ug/kg dry	
2-Methylphenol	---	U	104	ug/kg dry	
Bis(2-Chloroisopropyl)Ether	---	U	104	ug/kg dry	
Acetophenone	---	U	104	ug/kg dry	
4-Methylphenol	---	U	104	ug/kg dry	
N-Nitroso-Di-N-Propylamine	---	U	104	ug/kg dry	
Hexachloroethane	---	U	104	ug/kg dry	
Nitrobenzene	---	U	104	ug/kg dry	
Isophorone	---	U	104	ug/kg dry	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SB-08-A				Sample ID: 1606039-06	
NVOA GCMS					
2-Nitrophenol	---	U	104	ug/kg dry	
2,4-Dimethylphenol	---	U	104	ug/kg dry	
Bis(-2-Chloroethoxy)Methane	---	U	104	ug/kg dry	
2,4-Dichlorophenol	---	U	104	ug/kg dry	
Naphthalene	---	U	104	ug/kg dry	
4-Chloroaniline	---	U	104	ug/kg dry	
Hexachlorobutadiene	---	U	104	ug/kg dry	
Caprolactam	---	U	104	ug/kg dry	
4-Chloro-3-Methylphenol	---	U	104	ug/kg dry	
2-Methylnaphthalene	---	U	104	ug/kg dry	
1,2,4,5-Tetrachlorobenzene	---	U	104	ug/kg dry	
Hexachlorocyclopentadiene	---	U	104	ug/kg dry	
2,4,6-Trichlorophenol	---	U	104	ug/kg dry	
2,4,5-Trichlorophenol	---	U	104	ug/kg dry	
Biphenyl	---	U	104	ug/kg dry	
2-Chloronaphthalene	---	U	104	ug/kg dry	
2-Nitroaniline	---	U	104	ug/kg dry	
Dimethyl Phthalate	176		104	ug/kg dry	
Acenaphthylene	---	U	104	ug/kg dry	
2,6-Dinitrotoluene	---	U	104	ug/kg dry	
3-Nitroaniline	---	U	104	ug/kg dry	
Acenaphthene	---	U	104	ug/kg dry	
2,4-Dinitrophenol	---	U J	347	ug/kg dry	
4-Nitrophenol	---	U	104	ug/kg dry	
Dibenzofuran	---	U	104	ug/kg dry	
2,4-Dinitrotoluene	---	U	104	ug/kg dry	
2,3,4,6-Tetrachlorophenol	---	U	104	ug/kg dry	
Fluorene	---	U	104	ug/kg dry	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SB-08-A				Sample ID: 1606039-06	
NVOA GCMS					
Diethylphthalate	---	U	104	ug/kg dry	
4-Chlorophenyl-Phenylether	---	U	104	ug/kg dry	
4-Nitroaniline	---	U	104	ug/kg dry	
4,6-Dinitro-2-Methylphenol	---	U	104	ug/kg dry	
N-Nitrosodiphenylamine	---	U	104	ug/kg dry	
4-Bromophenyl-Phenylether	---	U	104	ug/kg dry	
Hexachlorobenzene	---	U	104	ug/kg dry	
Atrazine	---	U	104	ug/kg dry	
Pentachlorophenol	---	U	104	ug/kg dry	
Phenanthrene	123		104	ug/kg dry	
Anthracene	---	U	104	ug/kg dry	
Carbazole	---	U	104	ug/kg dry	
Di-N-Butyl Phthalate	---	U	104	ug/kg dry	
Fluoranthene	185		104	ug/kg dry	
Pyrene	162		104	ug/kg dry	
Butylbenzylphthalate	---	U	104	ug/kg dry	
3,3'- Dichlorobenzidine	---	U	104	ug/kg dry	
Benzo(A)Anthracene	---	U	104	ug/kg dry	
Chrysene	110		104	ug/kg dry	
Bis(2-Ethylhexyl)Phthalate	---	U	104	ug/kg dry	
Di-N-Octyl Phthalate	---	U	104	ug/kg dry	
Benzo(B)Fluoranthene	126		104	ug/kg dry	
Benzo(K)Fluoranthene	---	U	104	ug/kg dry	
Benzo(A)Pyrene	---	U	104	ug/kg dry	
Indeno(1,2,3-Cd)Pyrene	---	U	104	ug/kg dry	
Dibenzo(A,H)Anthracene	---	U	104	ug/kg dry	
Benzo(G,H,I)Perylene	---	U	104	ug/kg dry	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SB-08-A				Sample ID: 1606039-06	
Metals ICP					
Aluminum	6400		8.2	mg/kg dry	
Antimony	---	U	1.6	mg/kg dry	
Arsenic	3.2		0.66	mg/kg dry	
Barium	25		8.2	mg/kg dry	
Beryllium	0.25		0.25	mg/kg dry	
Cadmium	---	U	0.25	mg/kg dry	
Calcium	290		41	mg/kg dry	
Chromium	8.5		0.41	mg/kg dry	
Cobalt	6.0		1.6	mg/kg dry	
Copper	16		0.82	mg/kg dry	
Iron	16000		4.1	mg/kg dry	
Lead	15		0.66	mg/kg dry	
Magnesium	2000		41	mg/kg dry	
Manganese	460		0.41	mg/kg dry	
Nickel	15		1.6	mg/kg dry	
Potassium	290		41	mg/kg dry	
Selenium	---	U	1.6	mg/kg dry	
Silver	---	U	0.41	mg/kg dry	
Sodium	---	U	82	mg/kg dry	
Thallium	---	U	1.6	mg/kg dry	
Tin	1.8		0.82	mg/kg dry	
Vanadium	9.1		1.6	mg/kg dry	
Zinc	32		1.6	mg/kg dry	
Field ID: SB-900-A				Sample ID: 1606039-07	
VOA GCMS					
Dichlorodifluoromethane	---	U	4.7	ug/kg dry	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: SB-900-A				Sample ID: 1606039-07	
VOA GCMS					
Chloromethane	---	U	4.7	ug/kg dry	
Vinyl Chloride	---	U	4.7	ug/kg dry	
Bromomethane	---	U J	120	ug/kg dry	
Chloroethane	---	U	4.7	ug/kg dry	
Trichlorofluoromethane	---	U	4.7	ug/kg dry	
1,1-Dichloroethene	---	U	4.7	ug/kg dry	
1,1,2-Trichloro-1,2,2-Trifluoroethane	---	U	4.7	ug/kg dry	
Carbon Disulfide	---	U	4.7	ug/kg dry	
Acetone	11	J	9.3	ug/kg dry	
Methyl Acetate	---	U J	4.7	ug/kg dry	
Methylene Chloride	---	U	4.7	ug/kg dry	
trans-1,2-Dichloroethene	---	U	4.7	ug/kg dry	
cis-1,2-Dichloroethene	---	U	4.7	ug/kg dry	
Methyl tert-Butyl Ether	---	U L	4.7	ug/kg dry	
1,1-Dichloroethane	---	U	4.7	ug/kg dry	
2-Butanone	---	U	9.3	ug/kg dry	
Bromochloromethane	---	U	4.7	ug/kg dry	
Chloroform	---	U	4.7	ug/kg dry	
1,2-Dichloroethane	---	U	4.7	ug/kg dry	
1,1,1-Trichloroethane	---	U	4.7	ug/kg dry	
Cyclohexane	---	U	4.7	ug/kg dry	
Carbon Tetrachloride	---	U	4.7	ug/kg dry	
Benzene	---	U	4.7	ug/kg dry	
Trichloroethene	---	U	4.7	ug/kg dry	
Methylcyclohexane	---	U	4.7	ug/kg dry	
1,2-Dichloropropane	---	U J	4.7	ug/kg dry	
Bromodichloromethane	---	U	4.7	ug/kg dry	
cis-1,3-Dichloropropene	---	U	9.3	ug/kg dry	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: SB-900-A				Sample ID: 1606039-07	
VOA GCMS					
trans-1,3-Dichloropropene	---	U	4.7	ug/kg dry	
1,1,2-Trichloroethane	---	U	4.7	ug/kg dry	
Dibromochloromethane	---	U	4.7	ug/kg dry	
Bromoform	---	U	4.7	ug/kg dry	
4-Methyl-2-Pentanone	---	U	9.3	ug/kg dry	
Toluene	---	U	4.7	ug/kg dry	
Tetrachloroethene	---	U	4.7	ug/kg dry	
2-Hexanone	---	U	90	ug/kg dry	
1,2-Dibromoethane	---	U	4.7	ug/kg dry	
Chlorobenzene	---	U	4.7	ug/kg dry	
Ethylbenzene	---	U	4.7	ug/kg dry	
m/p-Xylene	---	U	4.7	ug/kg dry	
o-Xylene	---	U	4.7	ug/kg dry	
Styrene	---	U	4.7	ug/kg dry	
Isopropylbenzene	---	U	4.7	ug/kg dry	
1,1,2,2-Tetrachloroethane	---	U	4.7	ug/kg dry	
1,3-Dichlorobenzene	---	U	4.7	ug/kg dry	
1,4-Dichlorobenzene	---	U	4.7	ug/kg dry	
1,2-Dichlorobenzene	---	U	4.7	ug/kg dry	
1,2-Dibromo-3-Chloropropane	---	U	4.7	ug/kg dry	
1,2,4-Trichlorobenzene	---	U	4.7	ug/kg dry	
1,2,3-Trichlorobenzene	---	U	4.7	ug/kg dry	
NVOA GCMS					
1,4-Dioxane	---	U	69.2	ug/kg dry	
Benzaldehyde	---	U	103	ug/kg dry	
Phenol	---	U	103	ug/kg dry	
Bis(2-Chloroethyl)Ether	---	U	103	ug/kg dry	
2-Chlorophenol	---	U	103	ug/kg dry	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: SB-900-A				Sample ID: 1606039-07	
NVOA GCMS					
2-Methylphenol	---	U	103	ug/kg dry	
Bis(2-Chloroisopropyl)Ether	---	U	103	ug/kg dry	
Acetophenone	---	U	103	ug/kg dry	
4-Methylphenol	---	U	103	ug/kg dry	
N-Nitroso-Di-N-Propylamine	---	U	103	ug/kg dry	
Hexachloroethane	---	U	103	ug/kg dry	
Nitrobenzene	---	U	103	ug/kg dry	
Isophorone	---	U	103	ug/kg dry	
2-Nitrophenol	---	U	103	ug/kg dry	
2,4-Dimethylphenol	---	U	103	ug/kg dry	
Bis(-2-Chloroethoxy)Methane	---	U	103	ug/kg dry	
2,4-Dichlorophenol	---	U	103	ug/kg dry	
Naphthalene	---	U	103	ug/kg dry	
4-Chloroaniline	---	U	103	ug/kg dry	
Hexachlorobutadiene	---	U	103	ug/kg dry	
Caprolactam	---	U	103	ug/kg dry	
4-Chloro-3-Methylphenol	---	U	103	ug/kg dry	
2-Methylnaphthalene	---	U	103	ug/kg dry	
1,2,4,5-Tetrachlorobenzene	---	U	103	ug/kg dry	
Hexachlorocyclopentadiene	---	U	103	ug/kg dry	
2,4,6-Trichlorophenol	---	U	103	ug/kg dry	
2,4,5-Trichlorophenol	---	U	103	ug/kg dry	
Biphenyl	---	U	103	ug/kg dry	
2-Chloronaphthalene	---	U	103	ug/kg dry	
2-Nitroaniline	---	U	103	ug/kg dry	
Dimethyl Phthalate	192		103	ug/kg dry	
Acenaphthylene	---	U	103	ug/kg dry	
2,6-Dinitrotoluene	---	U	103	ug/kg dry	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: SB-900-A				Sample ID: 1606039-07	
NVOA GCMS					
3-Nitroaniline	---	U	103	ug/kg dry	
Acenaphthene	---	U	103	ug/kg dry	
2,4-Dinitrophenol	---	U J	344	ug/kg dry	
4-Nitrophenol	---	U	103	ug/kg dry	
Dibenzofuran	---	U	103	ug/kg dry	
2,4-Dinitrotoluene	---	U	103	ug/kg dry	
2,3,4,6-Tetrachlorophenol	---	U	103	ug/kg dry	
Fluorene	---	U	103	ug/kg dry	
Diethylphthalate	---	U	103	ug/kg dry	
4-Chlorophenyl-Phenylether	---	U	103	ug/kg dry	
4-Nitroaniline	---	U	103	ug/kg dry	
4,6-Dinitro-2-Methylphenol	---	U	103	ug/kg dry	
N-Nitrosodiphenylamine	---	U	103	ug/kg dry	
4-Bromophenyl-Phenylether	---	U	103	ug/kg dry	
Hexachlorobenzene	---	U	103	ug/kg dry	
Atrazine	---	U	103	ug/kg dry	
Pentachlorophenol	---	U	103	ug/kg dry	
Phenanthrene	---	U	103	ug/kg dry	
Anthracene	---	U	103	ug/kg dry	
Carbazole	---	U	103	ug/kg dry	
Di-N-Butyl Phthalate	---	U	103	ug/kg dry	
Fluoranthene	---	U	103	ug/kg dry	
Pyrene	---	U	103	ug/kg dry	
Butylbenzylphthalate	---	U	103	ug/kg dry	
3,3'- Dichlorobenzidine	---	U	103	ug/kg dry	
Benzo(A)Anthracene	---	U	103	ug/kg dry	
Chrysene	---	U	103	ug/kg dry	
Bis(2-Ethylhexyl)Phthalate	---	U	103	ug/kg dry	

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Field ID: SB-900-A				Sample ID: 1606039-07	
NVOA GCMS					
Di-N-Octyl Phthalate	---	U	103	ug/kg dry	
Benzo(B)Fluoranthene	---	U	103	ug/kg dry	
Benzo(K)Fluoranthene	---	U	103	ug/kg dry	
Benzo(A)Pyrene	---	U	103	ug/kg dry	
Indeno(1,2,3-Cd)Pyrene	---	U	103	ug/kg dry	
Dibenzo(A,H)Anthracene	---	U	103	ug/kg dry	
Benzo(G,H,I)Perylene	---	U	103	ug/kg dry	
Metals ICP					
Aluminum	6500		8.4	mg/kg dry	
Antimony	---	U	1.7	mg/kg dry	
Arsenic	3.7		0.67	mg/kg dry	
Barium	12		8.4	mg/kg dry	
Beryllium	---	U	0.25	mg/kg dry	
Cadmium	---	U	0.25	mg/kg dry	
Calcium	230		42	mg/kg dry	
Chromium	7.9		0.42	mg/kg dry	
Cobalt	5.3		1.7	mg/kg dry	
Copper	10		0.84	mg/kg dry	
Iron	12000		4.2	mg/kg dry	
Lead	6.2		0.67	mg/kg dry	
Magnesium	2100		42	mg/kg dry	
Manganese	320		0.42	mg/kg dry	
Nickel	13		1.7	mg/kg dry	
Potassium	300		42	mg/kg dry	
Selenium	---	U	1.7	mg/kg dry	
Silver	---	U	0.42	mg/kg dry	
Sodium	---	U	84	mg/kg dry	

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: SB-900-A				Sample ID: 1606039-07	
Metals ICP					
Thallium	---	U	1.7	mg/kg dry	
Tin	---	U	0.84	mg/kg dry	
Vanadium	9.5		1.7	mg/kg dry	
Zinc	31		1.7	mg/kg dry	
Field ID: KR-SB-09-A				Sample ID: 1606039-08	
VOA GCMS					
Dichlorodifluoromethane	---	U	4.4	ug/kg dry	
Chloromethane	---	U	4.4	ug/kg dry	
Vinyl Chloride	---	U	4.4	ug/kg dry	
Bromomethane	---	U J	110	ug/kg dry	
Chloroethane	---	U	4.4	ug/kg dry	
Trichlorofluoromethane	---	U	4.4	ug/kg dry	
1,1-Dichloroethene	---	U	4.4	ug/kg dry	
1,1,2-Trichloro-1,2,2-Trifluoroethane	---	U	4.4	ug/kg dry	
Carbon Disulfide	---	U	4.4	ug/kg dry	
Acetone	18	J	8.9	ug/kg dry	
Methyl Acetate	---	U J	4.4	ug/kg dry	
Methylene Chloride	---	U	4.4	ug/kg dry	
trans-1,2-Dichloroethene	---	U	4.4	ug/kg dry	
cis-1,2-Dichloroethene	---	U	4.4	ug/kg dry	
Methyl tert-Butyl Ether	---	U L	4.4	ug/kg dry	
1,1-Dichloroethane	---	U	4.4	ug/kg dry	
2-Butanone	---	U	8.9	ug/kg dry	
Bromochloromethane	---	U	4.4	ug/kg dry	
Chloroform	---	U	4.4	ug/kg dry	
1,2-Dichloroethane	---	U	4.4	ug/kg dry	
1,1,1-Trichloroethane	---	U	4.4	ug/kg dry	
Cyclohexane	---	U	4.4	ug/kg dry	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SB-09-A				Sample ID: 1606039-08	
VOA GCMS					
Carbon Tetrachloride	---	U	4.4	ug/kg dry	
Benzene	---	U	4.4	ug/kg dry	
Trichloroethene	---	U	4.4	ug/kg dry	
Methylcyclohexane	---	U	4.4	ug/kg dry	
1,2-Dichloropropane	---	U J	4.4	ug/kg dry	
Bromodichloromethane	---	U	4.4	ug/kg dry	
cis-1,3-Dichloropropene	---	U	8.9	ug/kg dry	
trans-1,3-Dichloropropene	---	U	4.4	ug/kg dry	
1,1,2-Trichloroethane	---	U	4.4	ug/kg dry	
Dibromochloromethane	---	U	4.4	ug/kg dry	
Bromoform	---	U	4.4	ug/kg dry	
4-Methyl-2-Pentanone	---	U	8.9	ug/kg dry	
Toluene	---	U	4.4	ug/kg dry	
Tetrachloroethene	11		4.4	ug/kg dry	
2-Hexanone	---	U	86	ug/kg dry	
1,2-Dibromoethane	---	U	4.4	ug/kg dry	
Chlorobenzene	---	U	4.4	ug/kg dry	
Ethylbenzene	---	U	4.4	ug/kg dry	
m/p-Xylene	---	U	4.4	ug/kg dry	
o-Xylene	---	U	4.4	ug/kg dry	
Styrene	---	U	4.4	ug/kg dry	
Isopropylbenzene	---	U	4.4	ug/kg dry	
1,1,2,2-Tetrachloroethane	---	U	4.4	ug/kg dry	
1,3-Dichlorobenzene	---	U	4.4	ug/kg dry	
1,4-Dichlorobenzene	---	U	4.4	ug/kg dry	
1,2-Dichlorobenzene	---	U	4.4	ug/kg dry	
1,2-Dibromo-3-Chloropropane	---	U	4.4	ug/kg dry	
1,2,4-Trichlorobenzene	---	U	4.4	ug/kg dry	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SB-09-A				Sample ID: 1606039-08	
VOA GCMS					
1,2,3-Trichlorobenzene	---	U	4.4	ug/kg dry	
NVOA GCMS					
1,4-Dioxane	---	U	71.3	ug/kg dry	
Benzaldehyde	---	U	106	ug/kg dry	
Phenol	---	U	106	ug/kg dry	
Bis(2-Chloroethyl)Ether	---	U	106	ug/kg dry	
2-Chlorophenol	---	U	106	ug/kg dry	
2-Methylphenol	---	U	106	ug/kg dry	
Bis(2-Chloroisopropyl)Ether	---	U	106	ug/kg dry	
Acetophenone	---	U	106	ug/kg dry	
4-Methylphenol	---	U	106	ug/kg dry	
N-Nitroso-Di-N-Propylamine	---	U	106	ug/kg dry	
Hexachloroethane	---	U	106	ug/kg dry	
Nitrobenzene	---	U	106	ug/kg dry	
Isophorone	---	U	106	ug/kg dry	
2-Nitrophenol	---	U	106	ug/kg dry	
2,4-Dimethylphenol	---	U	106	ug/kg dry	
Bis(-2-Chloroethoxy)Methane	---	U	106	ug/kg dry	
2,4-Dichlorophenol	---	U	106	ug/kg dry	
Naphthalene	---	U	106	ug/kg dry	
4-Chloroaniline	---	U	106	ug/kg dry	
Hexachlorobutadiene	---	U	106	ug/kg dry	
Caprolactam	---	U	106	ug/kg dry	
4-Chloro-3-Methylphenol	---	U	106	ug/kg dry	
2-Methylnaphthalene	---	U	106	ug/kg dry	
1,2,4,5-Tetrachlorobenzene	---	U	106	ug/kg dry	
Hexachlorocyclopentadiene	---	U	106	ug/kg dry	
2,4,6-Trichlorophenol	---	U	106	ug/kg dry	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SB-09-A				Sample ID: 1606039-08	
NVOA GCMS					
2,4,5-Trichlorophenol	---	U	106	ug/kg dry	
Biphenyl	---	U	106	ug/kg dry	
2-Chloronaphthalene	---	U	106	ug/kg dry	
2-Nitroaniline	---	U	106	ug/kg dry	
Dimethyl Phthalate	194		106	ug/kg dry	
Acenaphthylene	---	U	106	ug/kg dry	
2,6-Dinitrotoluene	---	U	106	ug/kg dry	
3-Nitroaniline	---	U	106	ug/kg dry	
Acenaphthene	---	U	106	ug/kg dry	
2,4-Dinitrophenol	---	U J	887	ug/kg dry	
4-Nitrophenol	---	U	106	ug/kg dry	
Dibenzofuran	---	U	106	ug/kg dry	
2,4-Dinitrotoluene	---	U	106	ug/kg dry	
2,3,4,6-Tetrachlorophenol	---	U	106	ug/kg dry	
Fluorene	---	U	106	ug/kg dry	
Diethylphthalate	---	U	106	ug/kg dry	
4-Chlorophenyl-Phenylether	---	U	106	ug/kg dry	
4-Nitroaniline	---	U	106	ug/kg dry	
4,6-Dinitro-2-Methylphenol	---	U	106	ug/kg dry	
N-Nitrosodiphenylamine	---	U	106	ug/kg dry	
4-Bromophenyl-Phenylether	---	U	106	ug/kg dry	
Hexachlorobenzene	---	U	106	ug/kg dry	
Atrazine	---	U	106	ug/kg dry	
Pentachlorophenol	---	U	106	ug/kg dry	
Phenanthrene	---	U	106	ug/kg dry	
Anthracene	---	U	106	ug/kg dry	
Carbazole	---	U	106	ug/kg dry	
Di-N-Butyl Phthalate	---	U	106	ug/kg dry	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SB-09-A				Sample ID: 1606039-08	
NVOA GCMS					
Fluoranthene	---	U	106	ug/kg dry	
Pyrene	---	U	106	ug/kg dry	
Butylbenzylphthalate	---	U	106	ug/kg dry	
3,3'- Dichlorobenzidine	---	U	106	ug/kg dry	
Benzo(A)Anthracene	---	U	106	ug/kg dry	
Chrysene	---	U	106	ug/kg dry	
Bis(2-Ethylhexyl)Phthalate	---	U	106	ug/kg dry	
Di-N-Octyl Phthalate	---	U	106	ug/kg dry	
Benzo(B)Fluoranthene	---	U	106	ug/kg dry	
Benzo(K)Fluoranthene	---	U	106	ug/kg dry	
Benzo(A)Pyrene	---	U	106	ug/kg dry	
Indeno(1,2,3-Cd)Pyrene	---	U	106	ug/kg dry	
Dibenzo(A,H)Anthracene	---	U	106	ug/kg dry	
Benzo(G,H,I)Perylene	---	U	106	ug/kg dry	
Metals ICP					
Aluminum	7200		8.8	mg/kg dry	
Antimony	---	U	1.8	mg/kg dry	
Arsenic	2.9		0.70	mg/kg dry	
Barium	43		8.8	mg/kg dry	
Beryllium	---	U	0.26	mg/kg dry	
Cadmium	---	U	0.26	mg/kg dry	
Calcium	590		44	mg/kg dry	
Chromium	7.5		0.44	mg/kg dry	
Cobalt	4.5		1.8	mg/kg dry	
Copper	7.8		0.88	mg/kg dry	
Iron	11000		4.4	mg/kg dry	
Lead	6.7		0.70	mg/kg dry	

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Field ID: KR-SB-09-A				Sample ID: 1606039-08	
Metals ICP					
Magnesium	1500		44	mg/kg dry	
Manganese	420		0.44	mg/kg dry	
Nickel	10		1.8	mg/kg dry	
Potassium	340		44	mg/kg dry	
Selenium	---	U	1.8	mg/kg dry	
Silver	---	U	0.44	mg/kg dry	
Sodium	---	U	88	mg/kg dry	
Thallium	---	U	1.8	mg/kg dry	
Tin	---	U	0.88	mg/kg dry	
Vanadium	10		1.8	mg/kg dry	
Zinc	28		1.8	mg/kg dry	
Field ID: KR-SB-11-A				Sample ID: 1606039-09	
VOA GCMS					
Dichlorodifluoromethane	---	U	4.7	ug/kg dry	
Chloromethane	---	U	4.7	ug/kg dry	
Vinyl Chloride	---	U	4.7	ug/kg dry	
Bromomethane	---	U J	120	ug/kg dry	
Chloroethane	---	U	4.7	ug/kg dry	
Trichlorofluoromethane	---	U	4.7	ug/kg dry	
1,1-Dichloroethene	---	U	4.7	ug/kg dry	
1,1,2-Trichloro-1,2,2-Trifluoroethane	---	U	4.7	ug/kg dry	
Carbon Disulfide	---	U	4.7	ug/kg dry	
Acetone	22	J	9.3	ug/kg dry	
Methyl Acetate	---	U J	4.7	ug/kg dry	
Methylene Chloride	---	U	4.7	ug/kg dry	
trans-1,2-Dichloroethene	---	U	4.7	ug/kg dry	
cis-1,2-Dichloroethene	---	U	4.7	ug/kg dry	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SB-11-A				Sample ID: 1606039-09	
VOA GCMS					
Methyl tert-Butyl Ether	---	U L	4.7	ug/kg dry	
1,1-Dichloroethane	---	U	4.7	ug/kg dry	
2-Butanone	---	U	9.3	ug/kg dry	
Bromochloromethane	---	U	4.7	ug/kg dry	
Chloroform	---	U	4.7	ug/kg dry	
1,2-Dichloroethane	---	U	4.7	ug/kg dry	
1,1,1-Trichloroethane	---	U	4.7	ug/kg dry	
Cyclohexane	---	U	4.7	ug/kg dry	
Carbon Tetrachloride	---	U	4.7	ug/kg dry	
Benzene	---	U	4.7	ug/kg dry	
Trichloroethene	---	U	4.7	ug/kg dry	
Methylcyclohexane	---	U	4.7	ug/kg dry	
1,2-Dichloropropane	---	U J	4.7	ug/kg dry	
Bromodichloromethane	---	U	4.7	ug/kg dry	
cis-1,3-Dichloropropene	---	U	9.3	ug/kg dry	
trans-1,3-Dichloropropene	---	U	4.7	ug/kg dry	
1,1,2-Trichloroethane	---	U	4.7	ug/kg dry	
Dibromochloromethane	---	U	4.7	ug/kg dry	
Bromoform	---	U	4.7	ug/kg dry	
4-Methyl-2-Pentanone	---	U	9.3	ug/kg dry	
Toluene	---	U	4.7	ug/kg dry	
Tetrachloroethene	1600		49	ug/kg dry	
2-Hexanone	---	U	91	ug/kg dry	
1,2-Dibromoethane	---	U	4.7	ug/kg dry	
Chlorobenzene	---	U	4.7	ug/kg dry	
Ethylbenzene	---	U	4.7	ug/kg dry	
m/p-Xylene	---	U	4.7	ug/kg dry	
o-Xylene	---	U	4.7	ug/kg dry	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SB-11-A				Sample ID: 1606039-09	
VOA GCMS					
Styrene	---	U	4.7	ug/kg dry	
Isopropylbenzene	---	U	4.7	ug/kg dry	
1,1,2,2-Tetrachloroethane	---	U	4.7	ug/kg dry	
1,3-Dichlorobenzene	---	U	4.7	ug/kg dry	
1,4-Dichlorobenzene	---	U	4.7	ug/kg dry	
1,2-Dichlorobenzene	---	U	4.7	ug/kg dry	
1,2-Dibromo-3-Chloropropane	---	U	4.7	ug/kg dry	
1,2,4-Trichlorobenzene	---	U	4.7	ug/kg dry	
1,2,3-Trichlorobenzene	---	U	4.7	ug/kg dry	
NVOA GCMS					
1,4-Dioxane	---	U	72.5	ug/kg dry	
Benzaldehyde	---	U	108	ug/kg dry	
Phenol	---	U	108	ug/kg dry	
Bis(2-Chloroethyl)Ether	---	U	108	ug/kg dry	
2-Chlorophenol	---	U	108	ug/kg dry	
2-Methylphenol	---	U	108	ug/kg dry	
Bis(2-Chloroisopropyl)Ether	---	U	108	ug/kg dry	
Acetophenone	---	U	108	ug/kg dry	
4-Methylphenol	---	U	108	ug/kg dry	
N-Nitroso-Di-N-Propylamine	---	U	108	ug/kg dry	
Hexachloroethane	---	U	108	ug/kg dry	
Nitrobenzene	---	U	108	ug/kg dry	
Isophorone	---	U	108	ug/kg dry	
2-Nitrophenol	---	U	108	ug/kg dry	
2,4-Dimethylphenol	---	U	108	ug/kg dry	
Bis(-2-Chloroethoxy)Methane	---	U	108	ug/kg dry	
2,4-Dichlorophenol	---	U	108	ug/kg dry	
Naphthalene	406		108	ug/kg dry	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SB-11-A				Sample ID: 1606039-09	
NVOA GCMS					
4-Chloroaniline	---	U	108	ug/kg dry	
Hexachlorobutadiene	---	U	108	ug/kg dry	
Caprolactam	---	U	108	ug/kg dry	
4-Chloro-3-Methylphenol	---	U	108	ug/kg dry	
2-Methylnaphthalene	414		108	ug/kg dry	
1,2,4,5-Tetrachlorobenzene	---	U	108	ug/kg dry	
Hexachlorocyclopentadiene	---	U	108	ug/kg dry	
2,4,6-Trichlorophenol	---	U	108	ug/kg dry	
2,4,5-Trichlorophenol	---	U	108	ug/kg dry	
Biphenyl	---	U	108	ug/kg dry	
2-Chloronaphthalene	---	U	108	ug/kg dry	
2-Nitroaniline	---	U	108	ug/kg dry	
Dimethyl Phthalate	215		108	ug/kg dry	
Acenaphthylene	400		108	ug/kg dry	
2,6-Dinitrotoluene	---	U	108	ug/kg dry	
3-Nitroaniline	---	U	108	ug/kg dry	
Acenaphthene	---	U	108	ug/kg dry	
2,4-Dinitrophenol	---	U J	901	ug/kg dry	
4-Nitrophenol	---	U	108	ug/kg dry	
Dibenzofuran	203		108	ug/kg dry	
2,4-Dinitrotoluene	---	U	108	ug/kg dry	
2,3,4,6-Tetrachlorophenol	---	U	108	ug/kg dry	
Fluorene	---	U	108	ug/kg dry	
Diethylphthalate	---	U	108	ug/kg dry	
4-Chlorophenyl-Phenylether	---	U	108	ug/kg dry	
4-Nitroaniline	---	U	108	ug/kg dry	
4,6-Dinitro-2-Methylphenol	---	U	108	ug/kg dry	
N-Nitrosodiphenylamine	---	U	108	ug/kg dry	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SB-11-A				Sample ID: 1606039-09	
NVOA GCMS					
4-Bromophenyl-Phenylether	---	U	108	ug/kg dry	
Hexachlorobenzene	---	U	108	ug/kg dry	
Atrazine	---	U	108	ug/kg dry	
Pentachlorophenol	---	U	108	ug/kg dry	
Phenanthrene	699		108	ug/kg dry	
Anthracene	272		108	ug/kg dry	
Carbazole	---	U	108	ug/kg dry	
Di-N-Butyl Phthalate	---	U	108	ug/kg dry	
Fluoranthene	2520		108	ug/kg dry	
Pyrene	2070		108	ug/kg dry	
Butylbenzylphthalate	---	U	108	ug/kg dry	
3,3'- Dichlorobenzidine	---	U	108	ug/kg dry	
Benzo(A)Anthracene	1920		108	ug/kg dry	
Chrysene	1950		108	ug/kg dry	
Bis(2-Ethylhexyl)Phthalate	---	U	108	ug/kg dry	
Di-N-Octyl Phthalate	---	U	108	ug/kg dry	
Benzo(B)Fluoranthene	2720		108	ug/kg dry	
Benzo(K)Fluoranthene	947		108	ug/kg dry	
Benzo(A)Pyrene	1510		108	ug/kg dry	
Indeno(1,2,3-Cd)Pyrene	1090		108	ug/kg dry	
Dibenzo(A,H)Anthracene	297		108	ug/kg dry	
Benzo(G,H,I)Perylene	793		108	ug/kg dry	
11H-Benzo[a]fluoren-11-one	950	NJ		ug/kg dry	
11H-Benzo[b]fluorene	1260	NJ		ug/kg dry	
Benz[a]anthracene, 7-methyl-	922	NJ		ug/kg dry	
Heptadecane, 2,6-dimethyl-	1960	NJ		ug/kg dry	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SB-11-A				Sample ID: 1606039-09	
NVOA GCMS					
Hexadecane, 2,6,10,14-tetra...	1170	NJ		ug/kg dry	
Hexanoic acid, 2-ethyl-	4160	NJ		ug/kg dry	
Phenanthrene, 2,5-dimethyl-	743	NJ		ug/kg dry	
Phenanthrene, 2-methyl-	762	NJ		ug/kg dry	
Tetrachloroethylene	4930	NJ		ug/kg dry	
Metals ICP					
Aluminum	5400		8.8	mg/kg dry	
Antimony	4.1		1.8	mg/kg dry	
Arsenic	8.0		0.71	mg/kg dry	
Barium	44		8.8	mg/kg dry	
Beryllium	0.28		0.26	mg/kg dry	
Cadmium	---	U	0.26	mg/kg dry	
Calcium	1300		44	mg/kg dry	
Chromium	9.6		0.44	mg/kg dry	
Cobalt	6.4		1.8	mg/kg dry	
Copper	64		0.88	mg/kg dry	
Iron	19000		4.4	mg/kg dry	
Lead	79		0.71	mg/kg dry	
Magnesium	1600		44	mg/kg dry	
Manganese	370		0.44	mg/kg dry	
Nickel	16		1.8	mg/kg dry	
Potassium	320		44	mg/kg dry	
Selenium	---	U	1.8	mg/kg dry	
Silver	---	U	0.44	mg/kg dry	
Sodium	---	U	88	mg/kg dry	
Thallium	---	U	1.8	mg/kg dry	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SB-11-A				Sample ID: 1606039-09	
Metals ICP					
Tin	8.8		0.88	mg/kg dry	
Vanadium	10		1.8	mg/kg dry	
Zinc	38		1.8	mg/kg dry	
Field ID: KR-SS-09-A				Sample ID: 1606039-10	
NVOA GCMS					
1,4-Dioxane	---	U	70.1	ug/kg dry	
Benzaldehyde	---	U	105	ug/kg dry	
Phenol	---	U	105	ug/kg dry	
Bis(2-Chloroethyl)Ether	---	U	105	ug/kg dry	
2-Chlorophenol	---	U	105	ug/kg dry	
2-Methylphenol	---	U	105	ug/kg dry	
Bis(2-Chloroisopropyl)Ether	---	U	105	ug/kg dry	
Acetophenone	---	U	105	ug/kg dry	
4-Methylphenol	---	U	105	ug/kg dry	
N-Nitroso-Di-N-Propylamine	---	U	105	ug/kg dry	
Hexachloroethane	---	U	105	ug/kg dry	
Nitrobenzene	---	U	105	ug/kg dry	
Isophorone	---	U	105	ug/kg dry	
2-Nitrophenol	---	U	105	ug/kg dry	
2,4-Dimethylphenol	---	U	105	ug/kg dry	
Bis(-2-Chloroethoxy)Methane	---	U	105	ug/kg dry	
2,4-Dichlorophenol	---	U	105	ug/kg dry	
Naphthalene	---	U	105	ug/kg dry	
4-Chloroaniline	---	U	105	ug/kg dry	
Hexachlorobutadiene	---	U	105	ug/kg dry	
Caprolactam	---	U	105	ug/kg dry	
4-Chloro-3-Methylphenol	---	U	105	ug/kg dry	
2-Methylnaphthalene	---	U	105	ug/kg dry	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SS-09-A				Sample ID: 1606039-10	
NVOA GCMS					
1,2,4,5-Tetrachlorobenzene	---	U	105	ug/kg dry	
Hexachlorocyclopentadiene	---	U	105	ug/kg dry	
2,4,6-Trichlorophenol	---	U	105	ug/kg dry	
2,4,5-Trichlorophenol	---	U	105	ug/kg dry	
Biphenyl	---	U	105	ug/kg dry	
2-Chloronaphthalene	---	U	105	ug/kg dry	
2-Nitroaniline	---	U	105	ug/kg dry	
Dimethyl Phthalate	116		105	ug/kg dry	
Acenaphthylene	108		105	ug/kg dry	
2,6-Dinitrotoluene	---	U	105	ug/kg dry	
3-Nitroaniline	---	U	105	ug/kg dry	
Acenaphthene	108		105	ug/kg dry	
2,4-Dinitrophenol	---	U J	872	ug/kg dry	
4-Nitrophenol	---	U	105	ug/kg dry	
Dibenzofuran	---	U	105	ug/kg dry	
2,4-Dinitrotoluene	---	U	105	ug/kg dry	
2,3,4,6-Tetrachlorophenol	---	U	105	ug/kg dry	
Fluorene	192		105	ug/kg dry	
Diethylphthalate	---	U	105	ug/kg dry	
4-Chlorophenyl-Phenylether	---	U	105	ug/kg dry	
4-Nitroaniline	---	U	105	ug/kg dry	
4,6-Dinitro-2-Methylphenol	---	U	105	ug/kg dry	
N-Nitrosodiphenylamine	---	U	105	ug/kg dry	
4-Bromophenyl-Phenylether	---	U	105	ug/kg dry	
Hexachlorobenzene	---	U	105	ug/kg dry	
Atrazine	---	U	105	ug/kg dry	
Pentachlorophenol	---	U	105	ug/kg dry	
Phenanthrene	2960		105	ug/kg dry	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SS-09-A				Sample ID: 1606039-10	
NVOA GCMS					
Anthracene	1980		105	ug/kg dry	
Carbazole	344		105	ug/kg dry	
Di-N-Butyl Phthalate	---	U	105	ug/kg dry	
Fluoranthene	8210		523	ug/kg dry	
Pyrene	6050		523	ug/kg dry	
Butylbenzylphthalate	---	U	105	ug/kg dry	
3,3'- Dichlorobenzidine	---	U	105	ug/kg dry	
Benzo(A)Anthracene	2950		105	ug/kg dry	
Chrysene	3750		523	ug/kg dry	
Bis(2-Ethylhexyl)Phthalate	---	U	105	ug/kg dry	
Di-N-Octyl Phthalate	---	U	105	ug/kg dry	
Benzo(B)Fluoranthene	3600		523	ug/kg dry	
Benzo(K)Fluoranthene	1220		105	ug/kg dry	
Benzo(A)Pyrene	1580		105	ug/kg dry	
Indeno(1,2,3-Cd)Pyrene	876		105	ug/kg dry	
Dibenzo(A,H)Anthracene	216		105	ug/kg dry	
Benzo(G,H,I)Perylene	627		105	ug/kg dry	
11H-Benzo[a]fluoren-11-one (01)	1420	NJ		ug/kg dry	
11H-Benzo[b]fluorene	1500	NJ		ug/kg dry	
4H-Cyclopenta[def]phenanthrene	1340	NJ		ug/kg dry	
Benzo[b]naphtho[2,3-d]thiop...	888	NJ		ug/kg dry	
Phenanthrene, 2-methyl-	895	NJ		ug/kg dry	
Pyrene, 1-methyl-	1060	NJ		ug/kg dry	
Metals ICP					
Aluminum	5700		8.6	mg/kg dry	
Antimony	3.7		1.7	mg/kg dry	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SS-09-A				Sample ID: 1606039-10	
Metals ICP					
Arsenic	7.2		0.69	mg/kg dry	
Barium	46		8.6	mg/kg dry	
Beryllium	0.28		0.26	mg/kg dry	
Cadmium	0.36		0.26	mg/kg dry	
Calcium	11000		43	mg/kg dry	
Chromium	9.4		0.43	mg/kg dry	
Cobalt	6.6		1.7	mg/kg dry	
Copper	77		0.86	mg/kg dry	
Iron	20000		4.3	mg/kg dry	
Lead	170		0.69	mg/kg dry	
Magnesium	2000		43	mg/kg dry	
Manganese	410		0.43	mg/kg dry	
Nickel	15		1.7	mg/kg dry	
Potassium	390		43	mg/kg dry	
Selenium	---	U	1.7	mg/kg dry	
Silver	---	U	0.43	mg/kg dry	
Sodium	---	U	86	mg/kg dry	
Thallium	---	U	1.7	mg/kg dry	
Tin	10		0.86	mg/kg dry	
Vanadium	11		1.7	mg/kg dry	
Zinc	58		1.7	mg/kg dry	
Field ID: SB-900-B				Sample ID: 1606039-11	
VOA GCMS					
Dichlorodifluoromethane	---	U	6.0	ug/kg dry	
Chloromethane	6.3		6.0	ug/kg dry	
Vinyl Chloride	---	U	6.0	ug/kg dry	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: SB-900-B				Sample ID: 1606039-11	
VOA GCMS					
Bromomethane	---	U J	150	ug/kg dry	
Chloroethane	---	U	6.0	ug/kg dry	
Trichlorofluoromethane	---	U	6.0	ug/kg dry	
1,1-Dichloroethene	---	U	6.0	ug/kg dry	
1,1,2-Trichloro-1,2,2-Trifluoroethane	---	U	6.0	ug/kg dry	
Carbon Disulfide	---	U	6.0	ug/kg dry	
Acetone	33	J	12	ug/kg dry	
Methyl Acetate	6.1	J	6.0	ug/kg dry	
Methylene Chloride	---	U	6.0	ug/kg dry	
trans-1,2-Dichloroethene	---	U	6.0	ug/kg dry	
cis-1,2-Dichloroethene	---	U	6.0	ug/kg dry	
Methyl tert-Butyl Ether	---	U L	6.0	ug/kg dry	
1,1-Dichloroethane	---	U	6.0	ug/kg dry	
2-Butanone	---	U	12	ug/kg dry	
Bromochloromethane	---	U	6.0	ug/kg dry	
Chloroform	---	U	6.0	ug/kg dry	
1,2-Dichloroethane	---	U	6.0	ug/kg dry	
1,1,1-Trichloroethane	---	U	6.0	ug/kg dry	
Cyclohexane	---	U	6.0	ug/kg dry	
Carbon Tetrachloride	---	U	6.0	ug/kg dry	
Benzene	---	U	6.0	ug/kg dry	
Trichloroethene	11		6.0	ug/kg dry	
Methylcyclohexane	---	U	6.0	ug/kg dry	
1,2-Dichloropropane	---	U J	6.0	ug/kg dry	
Bromodichloromethane	---	U	6.0	ug/kg dry	
cis-1,3-Dichloropropene	---	U	12	ug/kg dry	
trans-1,3-Dichloropropene	---	U	6.0	ug/kg dry	
1,1,2-Trichloroethane	---	U	6.0	ug/kg dry	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: SB-900-B				Sample ID: 1606039-11	
VOA GCMS					
Dibromochloromethane	---	U	6.0	ug/kg dry	
Bromoform	---	U	6.0	ug/kg dry	
4-Methyl-2-Pentanone	---	U J	12	ug/kg dry	
Toluene	---	U J	6.0	ug/kg dry	
Tetrachloroethene	830	K	33	ug/kg dry	
2-Hexanone	---	U J	120	ug/kg dry	
1,2-Dibromoethane	---	U J	6.0	ug/kg dry	
Chlorobenzene	---	U J	6.0	ug/kg dry	
Ethylbenzene	---	U J	6.0	ug/kg dry	
m/p-Xylene	---	U J	6.0	ug/kg dry	
o-Xylene	---	U J	6.0	ug/kg dry	
Styrene	---	U J	6.0	ug/kg dry	
Isopropylbenzene	---	U J	6.0	ug/kg dry	
1,1,2,2-Tetrachloroethane	---	U J	6.0	ug/kg dry	
1,3-Dichlorobenzene	---	U J	6.0	ug/kg dry	
1,4-Dichlorobenzene	---	U J	6.0	ug/kg dry	
1,2-Dichlorobenzene	---	U J	6.0	ug/kg dry	
1,2-Dibromo-3-Chloropropane	---	U J	6.0	ug/kg dry	
1,2,4-Trichlorobenzene	---	U J	6.0	ug/kg dry	
1,2,3-Trichlorobenzene	---	U J	6.0	ug/kg dry	
NVOA GCMS					
1,4-Dioxane	---	U	72.5	ug/kg dry	
Benzaldehyde	---	U	108	ug/kg dry	
Phenol	---	U	108	ug/kg dry	
Bis(2-Chloroethyl)Ether	---	U	108	ug/kg dry	
2-Chlorophenol	---	U	108	ug/kg dry	
2-Methylphenol	---	U	108	ug/kg dry	
Bis(2-Chloroisopropyl)Ether	---	U	108	ug/kg dry	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: SB-900-B				Sample ID: 1606039-11	
NVOA GCMS					
Acetophenone	---	U	108	ug/kg dry	
4-Methylphenol	---	U	108	ug/kg dry	
N-Nitroso-Di-N-Propylamine	---	U	108	ug/kg dry	
Hexachloroethane	---	U	108	ug/kg dry	
Nitrobenzene	---	U	108	ug/kg dry	
Isophorone	---	U	108	ug/kg dry	
2-Nitrophenol	---	U	108	ug/kg dry	
2,4-Dimethylphenol	---	U	108	ug/kg dry	
Bis(-2-Chloroethoxy)Methane	---	U	108	ug/kg dry	
2,4-Dichlorophenol	---	U	108	ug/kg dry	
Naphthalene	300		108	ug/kg dry	
4-Chloroaniline	---	U	108	ug/kg dry	
Hexachlorobutadiene	---	U	108	ug/kg dry	
Caprolactam	---	U	108	ug/kg dry	
4-Chloro-3-Methylphenol	---	U	108	ug/kg dry	
2-Methylnaphthalene	280		108	ug/kg dry	
1,2,4,5-Tetrachlorobenzene	---	U	108	ug/kg dry	
Hexachlorocyclopentadiene	---	U	108	ug/kg dry	
2,4,6-Trichlorophenol	---	U	108	ug/kg dry	
2,4,5-Trichlorophenol	---	U	108	ug/kg dry	
Biphenyl	---	U	108	ug/kg dry	
2-Chloronaphthalene	---	U	108	ug/kg dry	
2-Nitroaniline	---	U	108	ug/kg dry	
Dimethyl Phthalate	142		108	ug/kg dry	
Acenaphthylene	395		108	ug/kg dry	
2,6-Dinitrotoluene	---	U	108	ug/kg dry	
3-Nitroaniline	---	U	108	ug/kg dry	
Acenaphthene	---	U	108	ug/kg dry	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: SB-900-B				Sample ID: 1606039-11	
NVOA GCMS					
2,4-Dinitrophenol	---	U J	902	ug/kg dry	
4-Nitrophenol	---	U	108	ug/kg dry	
Dibenzofuran	175		108	ug/kg dry	
2,4-Dinitrotoluene	---	U	108	ug/kg dry	
2,3,4,6-Tetrachlorophenol	---	U	108	ug/kg dry	
Fluorene	---	U	108	ug/kg dry	
Diethylphthalate	---	U	108	ug/kg dry	
4-Chlorophenyl-Phenylether	---	U	108	ug/kg dry	
4-Nitroaniline	---	U	108	ug/kg dry	
4,6-Dinitro-2-Methylphenol	---	U	108	ug/kg dry	
N-Nitrosodiphenylamine	---	U	108	ug/kg dry	
4-Bromophenyl-Phenylether	---	U	108	ug/kg dry	
Hexachlorobenzene	---	U	108	ug/kg dry	
Atrazine	---	U	108	ug/kg dry	
Pentachlorophenol	---	U	108	ug/kg dry	
Phenanthrene	793		108	ug/kg dry	
Anthracene	311		108	ug/kg dry	
Carbazole	---	U	108	ug/kg dry	
Di-N-Butyl Phthalate	---	U	108	ug/kg dry	
Fluoranthene	2780		108	ug/kg dry	
Pyrene	2290		108	ug/kg dry	
Butylbenzylphthalate	---	U	108	ug/kg dry	
3,3'- Dichlorobenzidine	---	U	108	ug/kg dry	
Benzo(A)Anthracene	2040		108	ug/kg dry	
Chrysene	1900		108	ug/kg dry	
Bis(2-Ethylhexyl)Phthalate	---	U	108	ug/kg dry	
Di-N-Octyl Phthalate	---	U	108	ug/kg dry	
Benzo(B)Fluoranthene	2910		108	ug/kg dry	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: SB-900-B				Sample ID: 1606039-11	
NVOA GCMS					
Benzo(K)Fluoranthene	866		108	ug/kg dry	
Benzo(A)Pyrene	1500		108	ug/kg dry	
Indeno(1,2,3-Cd)Pyrene	1010		108	ug/kg dry	
Dibenzo(A,H)Anthracene	277		108	ug/kg dry	
Benzo(G,H,I)Perylene	686		108	ug/kg dry	
11H-Benzo[a]fluoren-11-one	1020	NJ		ug/kg dry	
11H-Benzo[b]fluorene	1230	NJ		ug/kg dry	
Heptadecane, 2,6-dimethyl-	2370	NJ		ug/kg dry	
Heptadecane, 4-methyl-	710	NJ		ug/kg dry	
Hexadecane, 2,6,10,14-tetra...	1820	NJ		ug/kg dry	
Hexanoic acid, 2-ethyl-	2850	NJ		ug/kg dry	
Phenanthrene, 2-methyl-	706	NJ		ug/kg dry	
Tetrachloroethylene	1760	NJ		ug/kg dry	
Triphenylene, 2-methyl-	1010	NJ		ug/kg dry	
Metals ICP					
Aluminum	5500		8.0	mg/kg dry	
Antimony	3.8		1.6	mg/kg dry	
Arsenic	6.2		0.64	mg/kg dry	
Barium	50		8.0	mg/kg dry	
Beryllium	0.29		0.24	mg/kg dry	
Cadmium	---	U	0.24	mg/kg dry	
Calcium	1100		40	mg/kg dry	
Chromium	9.6		0.40	mg/kg dry	
Cobalt	6.6		1.6	mg/kg dry	
Copper	63		0.80	mg/kg dry	
Iron	19000		4.0	mg/kg dry	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: SB-900-B				Sample ID: 1606039-11	
Metals ICP					
Lead	76		0.64	mg/kg dry	
Magnesium	1500		40	mg/kg dry	
Manganese	420		0.40	mg/kg dry	
Nickel	17		1.6	mg/kg dry	
Potassium	320		40	mg/kg dry	
Selenium	---	U	1.6	mg/kg dry	
Silver	---	U	0.40	mg/kg dry	
Sodium	---	U	80	mg/kg dry	
Thallium	---	U	1.6	mg/kg dry	
Tin	8.3		0.80	mg/kg dry	
Vanadium	10		1.6	mg/kg dry	
Zinc	38		1.6	mg/kg dry	
Field ID: FB-SB-A				Sample ID: 1606039-12	
VOA-TRACE GCMS					
Dichlorodifluoromethane	---	U	0.50	ug/L	
Chloromethane	---	U	0.50	ug/L	
Vinyl Chloride	---	U	0.50	ug/L	
Bromomethane	---	U	0.50	ug/L	
Chloroethane	---	U	0.50	ug/L	
Trichlorofluoromethane	---	U	0.50	ug/L	
1,1-Dichloroethene	---	U	0.50	ug/L	
1,1,2-Trichloro-1,2,2-Trifluoroethane	---	U	0.50	ug/L	
Carbon Disulfide	---	U	0.50	ug/L	
Acetone	43		5.0	ug/L	
Methyl Acetate	---	U	0.50	ug/L	
Methylene Chloride	---	U	0.50	ug/L	
trans-1,2-Dichloroethene	---	U	0.50	ug/L	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: FB-SB-A				Sample ID: 1606039-12	
VOA-TRACE GCMS					
Methyl tert-Butyl Ether	---	U	0.50	ug/L	
1,1-Dichloroethane	---	U	0.50	ug/L	
cis-1,2-Dichloroethene	---	U	0.50	ug/L	
2-Butanone	---	U	5.0	ug/L	
Bromochloromethane	---	U	0.50	ug/L	
Chloroform	---	U	0.50	ug/L	
1,1,1-Trichloroethane	---	U	0.50	ug/L	
Cyclohexane	---	U	0.50	ug/L	
Carbon Tetrachloride	---	U	0.50	ug/L	
Benzene	---	U	0.50	ug/L	
1,2-Dichloroethane	---	U	0.50	ug/L	
Trichloroethene	---	U	0.50	ug/L	
1,2-Dichloropropane	---	U	0.50	ug/L	
Bromodichloromethane	---	U	0.50	ug/L	
cis-1,3-Dichloropropene	---	U	0.50	ug/L	
4-Methyl-2-Pentanone	---	U	5.0	ug/L	
Toluene	---	U	0.50	ug/L	
trans-1,3-Dichloropropene	---	U	0.50	ug/L	
1,1,2-Trichloroethane	---	U	0.50	ug/L	
Tetrachloroethene	---	U	0.50	ug/L	
Methylcyclohexane	---	U	0.50	ug/L	
Dibromochloromethane	---	U	0.50	ug/L	
1,2-Dibromoethane	---	U	0.50	ug/L	
2-Hexanone	---	U	5.0	ug/L	
Chlorobenzene	---	U	0.50	ug/L	
Ethylbenzene	---	U	0.50	ug/L	
m/p-Xylene	---	U J	0.50	ug/L	
o-Xylene	---	U	0.50	ug/L	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: FB-SB-A				Sample ID: 1606039-12	
VOA-TRACE GCMS					
Styrene	---	U	0.50	ug/L	
Bromoform	---	U	0.50	ug/L	
Isopropylbenzene	---	U	0.50	ug/L	
1,1,2,2-Tetrachloroethane	---	U	0.50	ug/L	
1,3-Dichlorobenzene	---	U	0.50	ug/L	
1,4-Dichlorobenzene	---	U	0.50	ug/L	
1,2-Dichlorobenzene	---	U	0.50	ug/L	
1,2-Dibromo-3-Chloropropane	---	U	0.50	ug/L	
1,2,4-Trichlorobenzene	---	U	0.50	ug/L	
1,2,3-Trichlorobenzene	---	U	0.50	ug/L	
NVOA GCMS					
1,4-Dioxane	---	U	2.1	ug/L	
Benzaldehyde	---	U	5.3	ug/L	
Phenol	---	U	5.3	ug/L	
Bis(2-Chloroethyl)Ether	---	U	5.3	ug/L	
2-Chlorophenol	---	U	5.3	ug/L	
2-Methylphenol	---	U	5.3	ug/L	
Bis(2-Chloroisopropyl)Ether	---	U	5.3	ug/L	
Acetophenone	---	U	5.3	ug/L	
4-Methylphenol	---	U	5.3	ug/L	
N-Nitroso-Di-N-Propylamine	---	U	5.3	ug/L	
Hexachloroethane	---	U	5.3	ug/L	
Nitrobenzene	---	U	5.3	ug/L	
Isophorone	---	U	5.3	ug/L	
2-Nitrophenol	---	U	5.3	ug/L	
2,4-Dimethylphenol	---	U	5.3	ug/L	
Bis(-2-Chloroethoxy)Methane	---	U	5.3	ug/L	
2,4-Dichlorophenol	---	U	5.3	ug/L	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: FB-SB-A				Sample ID: 1606039-12	
NVOA GCMS					
Naphthalene	---	U	5.3	ug/L	
4-Chloroaniline	---	U	5.3	ug/L	
Hexachlorobutadiene	---	U	5.3	ug/L	
Caprolactam	---	U	5.3	ug/L	
4-Chloro-3-Methylphenol	---	U	5.3	ug/L	
2-Methylnaphthalene	---	U	5.3	ug/L	
1,2,4,5-Tetrachlorobenzene	---	U	5.3	ug/L	
Hexachlorocyclopentadiene	---	U	5.3	ug/L	
2,4,6-Trichlorophenol	---	U	5.3	ug/L	
2,4,5-Trichlorophenol	---	U	5.3	ug/L	
Biphenyl	---	U	5.3	ug/L	
2-Chloronaphthalene	---	U	5.3	ug/L	
2-Nitroaniline	---	U	5.3	ug/L	
Dimethyl Phthalate	---	U	5.3	ug/L	
Acenaphthylene	---	U	5.3	ug/L	
2,6-Dinitrotoluene	---	U	5.3	ug/L	
3-Nitroaniline	---	U	5.3	ug/L	
Acenaphthene	---	U	5.3	ug/L	
2,4-Dinitrophenol	---	U	27	ug/L	
4-Nitrophenol	---	U	5.3	ug/L	
Dibenzofuran	---	U	5.3	ug/L	
2,4-Dinitrotoluene	---	U	5.3	ug/L	
2,3,4,6-Tetrachlorophenol	---	U	5.3	ug/L	
Fluorene	---	U	5.3	ug/L	
Diethylphthalate	---	U	5.3	ug/L	
4-Chlorophenyl-Phenylether	---	U	5.3	ug/L	
4-Nitroaniline	---	U	5.3	ug/L	
4,6-Dinitro-2-Methylphenol	---	U	5.3	ug/L	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: FB-SB-A				Sample ID: 1606039-12	
NVOA GCMS					
N-Nitrosodiphenylamine	---	U	5.3	ug/L	
4-Bromophenyl-Phenylether	---	U	5.3	ug/L	
Hexachlorobenzene	---	U	5.3	ug/L	
Atrazine	---	U	5.3	ug/L	
Pentachlorophenol	---	U	5.3	ug/L	
Phenanthrene	---	U	5.3	ug/L	
Anthracene	---	U	5.3	ug/L	
Carbazole	---	U	5.3	ug/L	
Di-N-Butyl Phthalate	---	U	5.3	ug/L	
Fluoranthene	---	U	5.3	ug/L	
Pyrene	---	U	5.3	ug/L	
Butylbenzylphthalate	---	U	5.3	ug/L	
3,3'- Dichlorobenzidine	---	U	5.3	ug/L	
Benzo(A)Anthracene	---	U	5.3	ug/L	
Chrysene	---	U	5.3	ug/L	
Bis(2-Ethylhexyl)Phthalate	---	U	5.3	ug/L	
Di-N-Octyl Phthalate	---	U	5.3	ug/L	
Benzo(B)Fluoranthene	---	U	5.3	ug/L	
Benzo(K)Fluoranthene	---	U	5.3	ug/L	
Benzo(A)Pyrene	---	U	5.3	ug/L	
Indeno(1,2,3-Cd)Pyrene	---	U	5.3	ug/L	
Dibenzo(A,H)Anthracene	---	U	5.3	ug/L	
Benzo(G,H,I)Perylene	---	U	5.3	ug/L	
Phenol, 2-methoxy-	13	NJ		ug/L	
Metals ICP					
Aluminum	---	U	100	ug/L	
Antimony	---	U	20	ug/L	
Arsenic	---	U	8.0	ug/L	

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: FB-SB-A					Sample ID: 1606039-12
Metals ICP					
Barium	---	U	100	ug/L	
Beryllium	---	U	3.0	ug/L	
Cadmium	---	U	3.0	ug/L	
Calcium	---	U	500	ug/L	
Chromium	---	U	5.0	ug/L	
Cobalt	---	U	20	ug/L	
Copper	---	U	10	ug/L	
Iron	---	U	50	ug/L	
Lead	---	U	8.0	ug/L	
Magnesium	---	U	500	ug/L	
Manganese	---	U	5.0	ug/L	
Nickel	---	U	20	ug/L	
Potassium	---	U	500	ug/L	
Selenium	---	U	20	ug/L	
Silver	---	U	5.0	ug/L	
Sodium	---	U	1000	ug/L	
Thallium	---	U	20	ug/L	
Vanadium	---	U	20	ug/L	
Zinc	---	U	20	ug/L	
Field ID: FB-GW-B					Sample ID: 1606044-01
VOA-TRACE GCMS					
Dichlorodifluoromethane	---	U	0.50	ug/L	
Chloromethane	---	U	0.50	ug/L	
Vinyl Chloride	---	U	0.50	ug/L	
Bromomethane	---	U	0.50	ug/L	
Chloroethane	---	U	0.50	ug/L	
Trichlorofluoromethane	---	U	0.50	ug/L	
1,1-Dichloroethene	---	U	0.50	ug/L	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: FB-GW-B				Sample ID: 1606044-01	
VOA-TRACE GCMS					
1,1,2-Trichloro-1,2,2-Trifluoroethane	---	U	0.50	ug/L	
Carbon Disulfide	---	U	0.50	ug/L	
Acetone	36		5.0	ug/L	
Methyl Acetate	---	U	0.50	ug/L	
Methylene Chloride	---	U	0.50	ug/L	
trans-1,2-Dichloroethene	---	U	0.50	ug/L	
Methyl tert-Butyl Ether	---	U	0.50	ug/L	
1,1-Dichloroethane	---	U	0.50	ug/L	
cis-1,2-Dichloroethene	---	U	0.50	ug/L	
2-Butanone	---	U	5.0	ug/L	
Bromochloromethane	---	U	0.50	ug/L	
Chloroform	---	U	0.50	ug/L	
1,1,1-Trichloroethane	---	U	0.50	ug/L	
Cyclohexane	---	U	0.50	ug/L	
Carbon Tetrachloride	---	U	0.50	ug/L	
Benzene	---	U	0.50	ug/L	
1,2-Dichloroethane	---	U	0.50	ug/L	
Trichloroethene	---	U	0.50	ug/L	
1,2-Dichloropropane	---	U	0.50	ug/L	
Bromodichloromethane	---	U	0.50	ug/L	
cis-1,3-Dichloropropene	---	U	0.50	ug/L	
4-Methyl-2-Pentanone	---	U	5.0	ug/L	
Toluene	---	U	0.50	ug/L	
trans-1,3-Dichloropropene	---	U	0.50	ug/L	
1,1,2-Trichloroethane	---	U	0.50	ug/L	
Tetrachloroethene	---	U	0.50	ug/L	
Methylcyclohexane	---	U	0.50	ug/L	
Dibromochloromethane	---	U	0.50	ug/L	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: FB-GW-B				Sample ID: 1606044-01	
VOA-TRACE GCMS					
1,2-Dibromoethane	---	U	0.50	ug/L	
2-Hexanone	---	U	5.0	ug/L	
Chlorobenzene	---	U	0.50	ug/L	
Ethylbenzene	---	U	0.50	ug/L	
m/p-Xylene	---	U	0.50	ug/L	
o-Xylene	---	U	0.50	ug/L	
Styrene	---	U	0.50	ug/L	
Bromoform	---	U	0.50	ug/L	
Isopropylbenzene	---	U	0.50	ug/L	
1,1,2,2-Tetrachloroethane	---	U	0.50	ug/L	
1,3-Dichlorobenzene	---	U	0.50	ug/L	
1,4-Dichlorobenzene	---	U	0.50	ug/L	
1,2-Dichlorobenzene	---	U	0.50	ug/L	
1,2-Dibromo-3-Chloropropane	---	U	0.50	ug/L	
1,2,4-Trichlorobenzene	---	U	0.50	ug/L	
1,2,3-Trichlorobenzene	---	U	0.50	ug/L	
NVOA GCMS					
1,4-Dioxane	---	U	2.2	ug/L	
Benzaldehyde	---	U	5.4	ug/L	
Phenol	---	U	5.4	ug/L	
Bis(2-Chloroethyl)Ether	---	U	5.4	ug/L	
2-Chlorophenol	---	U	5.4	ug/L	
2-Methylphenol	---	U	5.4	ug/L	
Bis(2-Chloroisopropyl)Ether	---	U	5.4	ug/L	
Acetophenone	---	U	5.4	ug/L	
4-Methylphenol	---	U	5.4	ug/L	
N-Nitroso-Di-N-Propylamine	---	U	5.4	ug/L	
Hexachloroethane	---	U	5.4	ug/L	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: FB-GW-B				Sample ID: 1606044-01	
NVOA GCMS					
Nitrobenzene	---	U	5.4	ug/L	
Isophorone	---	U	5.4	ug/L	
2-Nitrophenol	---	U	5.4	ug/L	
2,4-Dimethylphenol	---	U	5.4	ug/L	
Bis(-2-Chloroethoxy)Methane	---	U	5.4	ug/L	
2,4-Dichlorophenol	---	U	5.4	ug/L	
Naphthalene	---	U	5.4	ug/L	
4-Chloroaniline	---	U	5.4	ug/L	
Hexachlorobutadiene	---	U	5.4	ug/L	
Caprolactam	---	U	5.4	ug/L	
4-Chloro-3-Methylphenol	---	U	5.4	ug/L	
2-Methylnaphthalene	---	U	5.4	ug/L	
1,2,4,5-Tetrachlorobenzene	---	U	5.4	ug/L	
Hexachlorocyclopentadiene	---	U	5.4	ug/L	
2,4,6-Trichlorophenol	---	U	5.4	ug/L	
2,4,5-Trichlorophenol	---	U	5.4	ug/L	
Biphenyl	---	U	5.4	ug/L	
2-Chloronaphthalene	---	U	5.4	ug/L	
2-Nitroaniline	---	U	5.4	ug/L	
Dimethyl Phthalate	---	U	5.4	ug/L	
Acenaphthylene	---	U	5.4	ug/L	
2,6-Dinitrotoluene	---	U	5.4	ug/L	
3-Nitroaniline	---	U	5.4	ug/L	
Acenaphthene	---	U	5.4	ug/L	
2,4-Dinitrophenol	---	U	27	ug/L	
4-Nitrophenol	---	U	5.4	ug/L	
Dibenzofuran	---	U	5.4	ug/L	
2,4-Dinitrotoluene	---	U	5.4	ug/L	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: FB-GW-B				Sample ID: 1606044-01	
NVOA GCMS					
2,3,4,6-Tetrachlorophenol	---	U	5.4	ug/L	
Fluorene	---	U	5.4	ug/L	
Diethylphthalate	---	U	5.4	ug/L	
4-Chlorophenyl-Phenylether	---	U	5.4	ug/L	
4-Nitroaniline	---	U	5.4	ug/L	
4,6-Dinitro-2-Methylphenol	---	U	5.4	ug/L	
N-Nitrosodiphenylamine	---	U	5.4	ug/L	
4-Bromophenyl-Phenylether	---	U	5.4	ug/L	
Hexachlorobenzene	---	U	5.4	ug/L	
Atrazine	---	U	5.4	ug/L	
Pentachlorophenol	---	U	5.4	ug/L	
Phenanthrene	---	U	5.4	ug/L	
Anthracene	---	U	5.4	ug/L	
Carbazole	---	U	5.4	ug/L	
Di-N-Butyl Phthalate	---	U	5.4	ug/L	
Fluoranthene	---	U	5.4	ug/L	
Pyrene	---	U	5.4	ug/L	
Butylbenzylphthalate	---	U	5.4	ug/L	
3,3'- Dichlorobenzidine	---	U	5.4	ug/L	
Benzo(A)Anthracene	---	U	5.4	ug/L	
Chrysene	---	U	5.4	ug/L	
Bis(2-Ethylhexyl)Phthalate	---	U	5.4	ug/L	
Di-N-Octyl Phthalate	---	U	5.4	ug/L	
Benzo(B)Fluoranthene	---	U	5.4	ug/L	
Benzo(K)Fluoranthene	---	U	5.4	ug/L	
Benzo(A)Pyrene	---	U	5.4	ug/L	
Indeno(1,2,3-Cd)Pyrene	---	U	5.4	ug/L	
Dibenzo(A,H)Anthracene	---	U	5.4	ug/L	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: FB-GW-B				Sample ID: 1606044-01	
NVOA GCMS					
Benzo(G,H,I)Perylene	---	U	5.4	ug/L	
Phenol, 2-methoxy-	14	NJ		ug/L	
Metals ICP					
Aluminum	---	U	100	ug/L	
Antimony	---	U	20	ug/L	
Arsenic	---	U	8.0	ug/L	
Barium	---	U	100	ug/L	
Beryllium	---	U	3.0	ug/L	
Cadmium	---	U	3.0	ug/L	
Calcium	---	U	500	ug/L	
Chromium	---	U	5.0	ug/L	
Cobalt	---	U	20	ug/L	
Copper	---	U	10	ug/L	
Iron	---	U	50	ug/L	
Lead	---	U	8.0	ug/L	
Magnesium	---	U	500	ug/L	
Manganese	---	U	5.0	ug/L	
Nickel	---	U	20	ug/L	
Potassium	---	U	500	ug/L	
Selenium	---	U	20	ug/L	
Silver	---	U	5.0	ug/L	
Sodium	---	U	1000	ug/L	
Thallium	---	U	20	ug/L	
Vanadium	---	U	20	ug/L	
Zinc	---	U	20	ug/L	
Field ID: GW-900-1				Sample ID: 1606044-02	
VOA-TRACE GCMS					
Dichlorodifluoromethane	---	U	0.50	ug/L	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: GW-900-1				Sample ID: 1606044-02	
VOA-TRACE GCMS					
Chloromethane	---	U	0.50	ug/L	
Vinyl Chloride	---	U	0.50	ug/L	
Bromomethane	---	U	0.50	ug/L	
Chloroethane	---	U	0.50	ug/L	
Trichlorofluoromethane	---	U	0.50	ug/L	
1,1-Dichloroethene	---	U	0.50	ug/L	
1,1,2-Trichloro-1,2,2-Trifluoroethane	---	U	0.50	ug/L	
Carbon Disulfide	---	U	0.50	ug/L	
Acetone	---	U	5.0	ug/L	
Methyl Acetate	---	U	0.50	ug/L	
Methylene Chloride	---	U	0.50	ug/L	
trans-1,2-Dichloroethene	---	U	0.50	ug/L	
Methyl tert-Butyl Ether	---	U	0.50	ug/L	
1,1-Dichloroethane	---	U	0.50	ug/L	
cis-1,2-Dichloroethene	---	U	0.50	ug/L	
2-Butanone	---	U	5.0	ug/L	
Bromochloromethane	---	U	0.50	ug/L	
Chloroform	---	U	0.50	ug/L	
1,1,1-Trichloroethane	---	U	0.50	ug/L	
Cyclohexane	---	U	0.50	ug/L	
Carbon Tetrachloride	---	U	0.50	ug/L	
Benzene	---	U	0.50	ug/L	
1,2-Dichloroethane	---	U	0.50	ug/L	
Trichloroethene	24		0.50	ug/L	
1,2-Dichloropropane	---	U	0.50	ug/L	
Bromodichloromethane	---	U	0.50	ug/L	
cis-1,3-Dichloropropene	---	U	0.50	ug/L	
4-Methyl-2-Pentanone	---	U	5.0	ug/L	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: GW-900-1				Sample ID: 1606044-02	
VOA-TRACE GCMS					
Toluene	---	U	0.50	ug/L	
trans-1,3-Dichloropropene	---	U	0.50	ug/L	
1,1,2-Trichloroethane	---	U	0.50	ug/L	
Tetrachloroethene	170		10	ug/L	
Methylcyclohexane	---	U	0.50	ug/L	
Dibromochloromethane	---	U	0.50	ug/L	
1,2-Dibromoethane	---	U	0.50	ug/L	
2-Hexanone	---	U	5.0	ug/L	
Chlorobenzene	---	U	0.50	ug/L	
Ethylbenzene	---	U	0.50	ug/L	
m/p-Xylene	---	U	0.50	ug/L	
o-Xylene	---	U	0.50	ug/L	
Styrene	---	U	0.50	ug/L	
Bromoform	---	U	0.50	ug/L	
Isopropylbenzene	---	U	0.50	ug/L	
1,1,2,2-Tetrachloroethane	---	U	0.50	ug/L	
1,3-Dichlorobenzene	---	U	0.50	ug/L	
1,4-Dichlorobenzene	---	U	0.50	ug/L	
1,2-Dichlorobenzene	---	U	0.50	ug/L	
1,2-Dibromo-3-Chloropropane	---	U	0.50	ug/L	
1,2,4-Trichlorobenzene	---	U	0.50	ug/L	
1,2,3-Trichlorobenzene	---	U	0.50	ug/L	
NVOA GCMS					
1,4-Dioxane	---	U	2.1	ug/L	
Benzaldehyde	---	U	5.3	ug/L	
Phenol	---	U	5.3	ug/L	
Bis(2-Chloroethyl)Ether	---	U	5.3	ug/L	
2-Chlorophenol	---	U	5.3	ug/L	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: GW-900-1				Sample ID: 1606044-02	
NVOA GCMS					
2-Methylphenol	---	U	5.3	ug/L	
Bis(2-Chloroisopropyl)Ether	---	U	5.3	ug/L	
Acetophenone	---	U	5.3	ug/L	
4-Methylphenol	---	U	5.3	ug/L	
N-Nitroso-Di-N-Propylamine	---	U	5.3	ug/L	
Hexachloroethane	---	U	5.3	ug/L	
Nitrobenzene	---	U	5.3	ug/L	
Isophorone	---	U	5.3	ug/L	
2-Nitrophenol	---	U	5.3	ug/L	
2,4-Dimethylphenol	---	U	5.3	ug/L	
Bis(-2-Chloroethoxy)Methane	---	U	5.3	ug/L	
2,4-Dichlorophenol	---	U	5.3	ug/L	
Naphthalene	---	U	5.3	ug/L	
4-Chloroaniline	---	U	5.3	ug/L	
Hexachlorobutadiene	---	U	5.3	ug/L	
Caprolactam	---	U	5.3	ug/L	
4-Chloro-3-Methylphenol	---	U	5.3	ug/L	
2-Methylnaphthalene	---	U	5.3	ug/L	
1,2,4,5-Tetrachlorobenzene	---	U	5.3	ug/L	
Hexachlorocyclopentadiene	---	U	5.3	ug/L	
2,4,6-Trichlorophenol	---	U	5.3	ug/L	
2,4,5-Trichlorophenol	---	U	5.3	ug/L	
Biphenyl	---	U	5.3	ug/L	
2-Chloronaphthalene	---	U	5.3	ug/L	
2-Nitroaniline	---	U	5.3	ug/L	
Dimethyl Phthalate	---	U	5.3	ug/L	
Acenaphthylene	---	U	5.3	ug/L	
2,6-Dinitrotoluene	---	U	5.3	ug/L	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: GW-900-1				Sample ID: 1606044-02	
NVOA GCMS					
3-Nitroaniline	---	U	5.3	ug/L	
Acenaphthene	---	U	5.3	ug/L	
2,4-Dinitrophenol	---	U	27	ug/L	
4-Nitrophenol	---	U	5.3	ug/L	
Dibenzofuran	---	U	5.3	ug/L	
2,4-Dinitrotoluene	---	U	5.3	ug/L	
2,3,4,6-Tetrachlorophenol	---	U	5.3	ug/L	
Fluorene	---	U	5.3	ug/L	
Diethylphthalate	---	U	5.3	ug/L	
4-Chlorophenyl-Phenylether	---	U	5.3	ug/L	
4-Nitroaniline	---	U	5.3	ug/L	
4,6-Dinitro-2-Methylphenol	---	U	5.3	ug/L	
N-Nitrosodiphenylamine	---	U	5.3	ug/L	
4-Bromophenyl-Phenylether	---	U	5.3	ug/L	
Hexachlorobenzene	---	U	5.3	ug/L	
Atrazine	---	U	5.3	ug/L	
Pentachlorophenol	---	U	5.3	ug/L	
Phenanthrene	---	U	5.3	ug/L	
Anthracene	---	U	5.3	ug/L	
Carbazole	---	U	5.3	ug/L	
Di-N-Butyl Phthalate	---	U	5.3	ug/L	
Fluoranthene	---	U	5.3	ug/L	
Pyrene	---	U	5.3	ug/L	
Butylbenzylphthalate	---	U	5.3	ug/L	
3,3'- Dichlorobenzidine	---	U	5.3	ug/L	
Benzo(A)Anthracene	---	U	5.3	ug/L	
Chrysene	---	U	5.3	ug/L	
Bis(2-Ethylhexyl)Phthalate	---	U	5.3	ug/L	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: GW-900-1				Sample ID: 1606044-02	
NVOA GCMS					
Di-N-Octyl Phthalate	---	U	5.3	ug/L	
Benzo(B)Fluoranthene	---	U	5.3	ug/L	
Benzo(K)Fluoranthene	---	U	5.3	ug/L	
Benzo(A)Pyrene	---	U	5.3	ug/L	
Indeno(1,2,3-Cd)Pyrene	---	U	5.3	ug/L	
Dibenzo(A,H)Anthracene	---	U	5.3	ug/L	
Benzo(G,H,I)Perylene	---	U	5.3	ug/L	
Tetrachloroethylene	34	NJ		ug/L	
Metals ICP					
Aluminum	---	U	100	ug/L	
Antimony	---	U	20	ug/L	
Arsenic	---	U	8.0	ug/L	
Barium	---	U	100	ug/L	
Beryllium	---	U	3.0	ug/L	
Cadmium	---	U	3.0	ug/L	
Calcium	38000		500	ug/L	
Chromium	---	U	5.0	ug/L	
Cobalt	---	U	20	ug/L	
Copper	---	U	10	ug/L	
Iron	---	U	50	ug/L	
Lead	---	U	8.0	ug/L	
Magnesium	4600		500	ug/L	
Manganese	27		5.0	ug/L	
Nickel	---	U	20	ug/L	
Potassium	3100		500	ug/L	
Selenium	---	U	20	ug/L	
Silver	---	U	5.0	ug/L	
Sodium	84000		1000	ug/L	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: GW-900-1				Sample ID: 1606044-02	
Metals ICP					
Thallium	---	U	20	ug/L	
Vanadium	---	U	20	ug/L	
Zinc	---	U	20	ug/L	
Field ID: KR-GW-01-1				Sample ID: 1606044-03	
VOA-TRACE GCMS					
Dichlorodifluoromethane	---	U	0.50	ug/L	
Chloromethane	---	U	0.50	ug/L	
Vinyl Chloride	---	U	0.50	ug/L	
Bromomethane	---	U	0.50	ug/L	
Chloroethane	---	U	0.50	ug/L	
Trichlorofluoromethane	---	U	0.50	ug/L	
1,1-Dichloroethene	---	U	0.50	ug/L	
1,1,2-Trichloro-1,2,2-Trifluoroethane	---	U	0.50	ug/L	
Carbon Disulfide	---	U	0.50	ug/L	
Acetone	---	U	5.0	ug/L	
Methyl Acetate	---	U	0.50	ug/L	
Methylene Chloride	---	U	0.50	ug/L	
trans-1,2-Dichloroethene	---	U	0.50	ug/L	
Methyl tert-Butyl Ether	---	U	0.50	ug/L	
1,1-Dichloroethane	---	U	0.50	ug/L	
cis-1,2-Dichloroethene	---	U	0.50	ug/L	
2-Butanone	---	U	5.0	ug/L	
Bromochloromethane	---	U	0.50	ug/L	
Chloroform	---	U	0.50	ug/L	
1,1,1-Trichloroethane	---	U	0.50	ug/L	
Cyclohexane	---	U	0.50	ug/L	
Carbon Tetrachloride	---	U	0.50	ug/L	
Benzene	---	U	0.50	ug/L	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-GW-01-1				Sample ID: 1606044-03	
VOA-TRACE GCMS					
1,2-Dichloroethane	---	U	0.50	ug/L	
Trichloroethene	14		0.50	ug/L	
1,2-Dichloropropane	---	U	0.50	ug/L	
Bromodichloromethane	---	U	0.50	ug/L	
cis-1,3-Dichloropropene	---	U	0.50	ug/L	
4-Methyl-2-Pentanone	---	U	5.0	ug/L	
Toluene	---	U	0.50	ug/L	
trans-1,3-Dichloropropene	---	U	0.50	ug/L	
1,1,2-Trichloroethane	---	U	0.50	ug/L	
Tetrachloroethene	4.2		0.50	ug/L	
Methylcyclohexane	---	U	0.50	ug/L	
Dibromochloromethane	---	U	0.50	ug/L	
1,2-Dibromoethane	---	U	0.50	ug/L	
2-Hexanone	---	U	5.0	ug/L	
Chlorobenzene	---	U	0.50	ug/L	
Ethylbenzene	---	U	0.50	ug/L	
m/p-Xylene	---	U	0.50	ug/L	
o-Xylene	---	U	0.50	ug/L	
Styrene	---	U	0.50	ug/L	
Bromoform	---	U	0.50	ug/L	
Isopropylbenzene	---	U	0.50	ug/L	
1,1,2,2-Tetrachloroethane	---	U	0.50	ug/L	
1,3-Dichlorobenzene	---	U	0.50	ug/L	
1,4-Dichlorobenzene	---	U	0.50	ug/L	
1,2-Dichlorobenzene	---	U	0.50	ug/L	
1,2-Dibromo-3-Chloropropane	---	U	0.50	ug/L	
1,2,4-Trichlorobenzene	---	U	0.50	ug/L	
1,2,3-Trichlorobenzene	---	U	0.50	ug/L	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-GW-01-1				Sample ID: 1606044-03	
NVOA GCMS					
1,4-Dioxane	---	U	2.1	ug/L	
Benzaldehyde	---	U	5.3	ug/L	
Phenol	---	U	5.3	ug/L	
Bis(2-Chloroethyl)Ether	---	U	5.3	ug/L	
2-Chlorophenol	---	U	5.3	ug/L	
2-Methylphenol	---	U	5.3	ug/L	
Bis(2-Chloroisopropyl)Ether	---	U	5.3	ug/L	
Acetophenone	---	U	5.3	ug/L	
4-Methylphenol	---	U L	5.3	ug/L	
N-Nitroso-Di-N-Propylamine	---	U	5.3	ug/L	
Hexachloroethane	---	U	5.3	ug/L	
Nitrobenzene	---	U	5.3	ug/L	
Isophorone	---	U	5.3	ug/L	
2-Nitrophenol	---	U	5.3	ug/L	
2,4-Dimethylphenol	---	U	5.3	ug/L	
Bis(-2-Chloroethoxy)Methane	---	U	5.3	ug/L	
2,4-Dichlorophenol	---	U	5.3	ug/L	
Naphthalene	---	U	5.3	ug/L	
4-Chloroaniline	---	U L	5.3	ug/L	
Hexachlorobutadiene	---	U	5.3	ug/L	
Caprolactam	---	U	5.3	ug/L	
4-Chloro-3-Methylphenol	---	U	5.3	ug/L	
2-Methylnaphthalene	---	U	5.3	ug/L	
1,2,4,5-Tetrachlorobenzene	---	U	5.3	ug/L	
Hexachlorocyclopentadiene	---	U	5.3	ug/L	
2,4,6-Trichlorophenol	---	U	5.3	ug/L	
2,4,5-Trichlorophenol	---	U	5.3	ug/L	
Biphenyl	---	U	5.3	ug/L	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-GW-01-1				Sample ID: 1606044-03	
NVOA GCMS					
2-Chloronaphthalene	---	U	5.3	ug/L	
2-Nitroaniline	---	U	5.3	ug/L	
Dimethyl Phthalate	---	U	5.3	ug/L	
Acenaphthylene	---	U	5.3	ug/L	
2,6-Dinitrotoluene	---	U	5.3	ug/L	
3-Nitroaniline	---	U	5.3	ug/L	
Acenaphthene	---	U	5.3	ug/L	
2,4-Dinitrophenol	---	U	27	ug/L	
4-Nitrophenol	---	U	5.3	ug/L	
Dibenzofuran	---	U	5.3	ug/L	
2,4-Dinitrotoluene	---	U	5.3	ug/L	
2,3,4,6-Tetrachlorophenol	---	U L	5.3	ug/L	
Fluorene	---	U	5.3	ug/L	
Diethylphthalate	---	U	5.3	ug/L	
4-Chlorophenyl-Phenylether	---	U	5.3	ug/L	
4-Nitroaniline	---	U L	5.3	ug/L	
4,6-Dinitro-2-Methylphenol	---	U	5.3	ug/L	
N-Nitrosodiphenylamine	---	U L	5.3	ug/L	
4-Bromophenyl-Phenylether	---	U	5.3	ug/L	
Hexachlorobenzene	---	U	5.3	ug/L	
Atrazine	---	U	5.3	ug/L	
Pentachlorophenol	---	U	5.3	ug/L	
Phenanthrene	---	U	5.3	ug/L	
Anthracene	---	U	5.3	ug/L	
Carbazole	---	U L	5.3	ug/L	
Di-N-Butyl Phthalate	---	U	5.3	ug/L	
Fluoranthene	---	U	5.3	ug/L	
Pyrene	---	U	5.3	ug/L	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-GW-01-1				Sample ID: 1606044-03	
NVOA GCMS					
Butylbenzylphthalate	---	U	5.3	ug/L	
3,3'- Dichlorobenzidine	---	U	5.3	ug/L	
Benzo(A)Anthracene	---	U	5.3	ug/L	
Chrysene	---	U	5.3	ug/L	
Bis(2-Ethylhexyl)Phthalate	---	U	5.3	ug/L	
Di-N-Octyl Phthalate	---	U	5.3	ug/L	
Benzo(B)Fluoranthene	---	U	5.3	ug/L	
Benzo(K)Fluoranthene	---	U	5.3	ug/L	
Benzo(A)Pyrene	---	U	5.3	ug/L	
Indeno(1,2,3-Cd)Pyrene	---	U	5.3	ug/L	
Dibenzo(A,H)Anthracene	---	U	5.3	ug/L	
Benzo(G,H,I)Perylene	---	U	5.3	ug/L	
Metals ICP					
Aluminum	---	U	100	ug/L	
Antimony	---	U	20	ug/L	
Arsenic	---	U	8.0	ug/L	
Barium	---	U	100	ug/L	
Beryllium	---	U	3.0	ug/L	
Cadmium	---	U	3.0	ug/L	
Calcium	43000		500	ug/L	
Chromium	---	U	5.0	ug/L	
Cobalt	---	U	20	ug/L	
Copper	---	U	10	ug/L	
Iron	---	U	50	ug/L	
Lead	---	U	8.0	ug/L	
Magnesium	2700		500	ug/L	
Manganese	120		5.0	ug/L	
Nickel	---	U	20	ug/L	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-GW-01-1				Sample ID: 1606044-03	
Metals ICP					
Potassium	3700		500	ug/L	
Selenium	---	U	20	ug/L	
Silver	---	U	5.0	ug/L	
Sodium	88000		1000	ug/L	
Thallium	---	U	20	ug/L	
Vanadium	---	U	20	ug/L	
Zinc	---	U	20	ug/L	
Field ID: KR-GW-02-1				Sample ID: 1606044-04	
VOA-TRACE GCMS					
Dichlorodifluoromethane	---	U	0.50	ug/L	
Chloromethane	---	U	0.50	ug/L	
Vinyl Chloride	---	U	0.50	ug/L	
Bromomethane	---	U	0.50	ug/L	
Chloroethane	---	U	0.50	ug/L	
Trichlorofluoromethane	---	U	0.50	ug/L	
1,1-Dichloroethene	---	U	0.50	ug/L	
1,1,2-Trichloro-1,2,2-Trifluoroethane	---	U	0.50	ug/L	
Carbon Disulfide	---	U	0.50	ug/L	
Acetone	---	U	5.0	ug/L	
Methyl Acetate	---	U	0.50	ug/L	
Methylene Chloride	---	U	0.50	ug/L	
trans-1,2-Dichloroethene	---	U	0.50	ug/L	
Methyl tert-Butyl Ether	---	U	0.50	ug/L	
1,1-Dichloroethane	---	U	0.50	ug/L	
cis-1,2-Dichloroethene	---	U	0.50	ug/L	
2-Butanone	---	U	5.0	ug/L	
Bromochloromethane	---	U	0.50	ug/L	
Chloroform	---	U	0.50	ug/L	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-GW-02-1				Sample ID: 1606044-04	
VOA-TRACE GCMS					
1,1,1-Trichloroethane	---	U	0.50	ug/L	
Cyclohexane	---	U	0.50	ug/L	
Carbon Tetrachloride	---	U	0.50	ug/L	
Benzene	---	U	0.50	ug/L	
1,2-Dichloroethane	---	U	0.50	ug/L	
Trichloroethene	24		0.50	ug/L	
1,2-Dichloropropane	---	U	0.50	ug/L	
Bromodichloromethane	---	U	0.50	ug/L	
cis-1,3-Dichloropropene	---	U	0.50	ug/L	
4-Methyl-2-Pentanone	---	U	5.0	ug/L	
Toluene	---	U	0.50	ug/L	
trans-1,3-Dichloropropene	---	U	0.50	ug/L	
1,1,2-Trichloroethane	---	U	0.50	ug/L	
Tetrachloroethene	180		10	ug/L	
Methylcyclohexane	---	U	0.50	ug/L	
Dibromochloromethane	---	U	0.50	ug/L	
1,2-Dibromoethane	---	U	0.50	ug/L	
2-Hexanone	---	U	5.0	ug/L	
Chlorobenzene	---	U	0.50	ug/L	
Ethylbenzene	---	U	0.50	ug/L	
m/p-Xylene	---	U	0.50	ug/L	
o-Xylene	---	U	0.50	ug/L	
Styrene	---	U	0.50	ug/L	
Bromoform	---	U	0.50	ug/L	
Isopropylbenzene	---	U	0.50	ug/L	
1,1,2,2-Tetrachloroethane	---	U	0.50	ug/L	
1,3-Dichlorobenzene	---	U	0.50	ug/L	
1,4-Dichlorobenzene	---	U	0.50	ug/L	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-GW-02-1					Sample ID: 1606044-04
VOA-TRACE GCMS					
1,2-Dichlorobenzene	---	U	0.50	ug/L	
1,2-Dibromo-3-Chloropropane	---	U	0.50	ug/L	
1,2,4-Trichlorobenzene	---	U	0.50	ug/L	
1,2,3-Trichlorobenzene	---	U	0.50	ug/L	
NVOA GCMS					
1,4-Dioxane	---	U	2.0	ug/L	
Benzaldehyde	---	U	5.0	ug/L	
Phenol	---	U	5.0	ug/L	
Bis(2-Chloroethyl)Ether	---	U	5.0	ug/L	
2-Chlorophenol	---	U	5.0	ug/L	
2-Methylphenol	---	U	5.0	ug/L	
Bis(2-Chloroisopropyl)Ether	---	U	5.0	ug/L	
Acetophenone	---	U	5.0	ug/L	
4-Methylphenol	---	U	5.0	ug/L	
N-Nitroso-Di-N-Propylamine	---	U	5.0	ug/L	
Hexachloroethane	---	U	5.0	ug/L	
Nitrobenzene	---	U	5.0	ug/L	
Isophorone	---	U	5.0	ug/L	
2-Nitrophenol	---	U	5.0	ug/L	
2,4-Dimethylphenol	---	U	5.0	ug/L	
Bis(-2-Chloroethoxy)Methane	---	U	5.0	ug/L	
2,4-Dichlorophenol	---	U	5.0	ug/L	
Naphthalene	---	U	5.0	ug/L	
4-Chloroaniline	---	U	5.0	ug/L	
Hexachlorobutadiene	---	U	5.0	ug/L	
Caprolactam	---	U	5.0	ug/L	
4-Chloro-3-Methylphenol	---	U	5.0	ug/L	
2-Methylnaphthalene	---	U	5.0	ug/L	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-GW-02-1				Sample ID: 1606044-04	
NVOA GCMS					
1,2,4,5-Tetrachlorobenzene	---	U	5.0	ug/L	
Hexachlorocyclopentadiene	---	U	5.0	ug/L	
2,4,6-Trichlorophenol	---	U	5.0	ug/L	
2,4,5-Trichlorophenol	---	U	5.0	ug/L	
Biphenyl	---	U	5.0	ug/L	
2-Chloronaphthalene	---	U	5.0	ug/L	
2-Nitroaniline	---	U	5.0	ug/L	
Dimethyl Phthalate	---	U	5.0	ug/L	
Acenaphthylene	---	U	5.0	ug/L	
2,6-Dinitrotoluene	---	U	5.0	ug/L	
3-Nitroaniline	---	U	5.0	ug/L	
Acenaphthene	---	U	5.0	ug/L	
2,4-Dinitrophenol	---	U	25	ug/L	
4-Nitrophenol	---	U	5.0	ug/L	
Dibenzofuran	---	U	5.0	ug/L	
2,4-Dinitrotoluene	---	U	5.0	ug/L	
2,3,4,6-Tetrachlorophenol	---	U	5.0	ug/L	
Fluorene	---	U	5.0	ug/L	
Diethylphthalate	---	U	5.0	ug/L	
4-Chlorophenyl-Phenylether	---	U	5.0	ug/L	
4-Nitroaniline	---	U	5.0	ug/L	
4,6-Dinitro-2-Methylphenol	---	U	5.0	ug/L	
N-Nitrosodiphenylamine	---	U	5.0	ug/L	
4-Bromophenyl-Phenylether	---	U	5.0	ug/L	
Hexachlorobenzene	---	U	5.0	ug/L	
Atrazine	---	U	5.0	ug/L	
Pentachlorophenol	---	U	5.0	ug/L	
Phenanthrene	---	U	5.0	ug/L	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-GW-02-1				Sample ID: 1606044-04	
NVOA GCMS					
Anthracene	---	U	5.0	ug/L	
Carbazole	---	U	5.0	ug/L	
Di-N-Butyl Phthalate	---	U	5.0	ug/L	
Fluoranthene	---	U	5.0	ug/L	
Pyrene	---	U	5.0	ug/L	
Butylbenzylphthalate	---	U	5.0	ug/L	
3,3'- Dichlorobenzidine	---	U	5.0	ug/L	
Benzo(A)Anthracene	---	U	5.0	ug/L	
Chrysene	---	U	5.0	ug/L	
Bis(2-Ethylhexyl)Phthalate	---	U	5.0	ug/L	
Di-N-Octyl Phthalate	---	U	5.0	ug/L	
Benzo(B)Fluoranthene	---	U	5.0	ug/L	
Benzo(K)Fluoranthene	---	U	5.0	ug/L	
Benzo(A)Pyrene	---	U	5.0	ug/L	
Indeno(1,2,3-Cd)Pyrene	---	U	5.0	ug/L	
Dibenzo(A,H)Anthracene	---	U	5.0	ug/L	
Benzo(G,H,I)Perylene	---	U	5.0	ug/L	
Tetrachloroethylene	38	NJ		ug/L	
Metals ICP					
Aluminum	---	U	100	ug/L	
Antimony	---	U	20	ug/L	
Arsenic	---	U	8.0	ug/L	
Barium	---	U	100	ug/L	
Beryllium	---	U	3.0	ug/L	
Cadmium	---	U	3.0	ug/L	
Calcium	39000		500	ug/L	
Chromium	---	U	5.0	ug/L	
Cobalt	---	U	20	ug/L	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-GW-02-1				Sample ID: 1606044-04	
Metals ICP					
Copper	---	U	10	ug/L	
Iron	---	U	50	ug/L	
Lead	---	U	8.0	ug/L	
Magnesium	4700		500	ug/L	
Manganese	28		5.0	ug/L	
Nickel	---	U	20	ug/L	
Potassium	3200		500	ug/L	
Selenium	---	U	20	ug/L	
Silver	---	U	5.0	ug/L	
Sodium	84000		1000	ug/L	
Thallium	---	U	20	ug/L	
Vanadium	---	U	20	ug/L	
Zinc	---	U	20	ug/L	
Field ID: KR-GW-03-1				Sample ID: 1606044-05	
VOA-TRACE GCMS					
Dichlorodifluoromethane	---	U	0.50	ug/L	
Chloromethane	---	U	0.50	ug/L	
Vinyl Chloride	---	U	0.50	ug/L	
Bromomethane	---	U	0.50	ug/L	
Chloroethane	---	U	0.50	ug/L	
Trichlorofluoromethane	---	U	0.50	ug/L	
1,1-Dichloroethene	---	U	0.50	ug/L	
1,1,2-Trichloro-1,2,2-Trifluoroethane	---	U	0.50	ug/L	
Carbon Disulfide	---	U	0.50	ug/L	
Acetone	---	U	5.0	ug/L	
Methyl Acetate	---	U	0.50	ug/L	
Methylene Chloride	---	U	0.50	ug/L	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-GW-03-1				Sample ID: 1606044-05	
VOA-TRACE GCMS					
trans-1,2-Dichloroethene	---	U	0.50	ug/L	
Methyl tert-Butyl Ether	---	U	0.50	ug/L	
1,1-Dichloroethane	---	U	0.50	ug/L	
cis-1,2-Dichloroethene	---	U	0.50	ug/L	
2-Butanone	---	U	5.0	ug/L	
Bromochloromethane	---	U	0.50	ug/L	
Chloroform	---	U	0.50	ug/L	
1,1,1-Trichloroethane	---	U	0.50	ug/L	
Cyclohexane	---	U	0.50	ug/L	
Carbon Tetrachloride	---	U	0.50	ug/L	
Benzene	---	U	0.50	ug/L	
1,2-Dichloroethane	---	U	0.50	ug/L	
Trichloroethene	23		0.50	ug/L	
1,2-Dichloropropane	---	U	0.50	ug/L	
Bromodichloromethane	---	U	0.50	ug/L	
cis-1,3-Dichloropropene	---	U	0.50	ug/L	
4-Methyl-2-Pentanone	---	U	5.0	ug/L	
Toluene	---	U	0.50	ug/L	
trans-1,3-Dichloropropene	---	U	0.50	ug/L	
1,1,2-Trichloroethane	---	U	0.50	ug/L	
Tetrachloroethene	120		10	ug/L	
Methylcyclohexane	---	U	0.50	ug/L	
Dibromochloromethane	---	U	0.50	ug/L	
1,2-Dibromoethane	---	U	0.50	ug/L	
2-Hexanone	---	U	5.0	ug/L	
Chlorobenzene	---	U	0.50	ug/L	
Ethylbenzene	---	U	0.50	ug/L	
m/p-Xylene	---	U	0.50	ug/L	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-GW-03-1				Sample ID: 1606044-05	
VOA-TRACE GCMS					
o-Xylene	---	U	0.50	ug/L	
Styrene	---	U	0.50	ug/L	
Bromoform	---	U	0.50	ug/L	
Isopropylbenzene	---	U	0.50	ug/L	
1,1,2,2-Tetrachloroethane	---	U	0.50	ug/L	
1,3-Dichlorobenzene	---	U	0.50	ug/L	
1,4-Dichlorobenzene	---	U	0.50	ug/L	
1,2-Dichlorobenzene	---	U	0.50	ug/L	
1,2-Dibromo-3-Chloropropane	---	U	0.50	ug/L	
1,2,4-Trichlorobenzene	---	U	0.50	ug/L	
1,2,3-Trichlorobenzene	---	U	0.50	ug/L	
NVOA GCMS					
1,4-Dioxane	---	U	2.1	ug/L	
Benzaldehyde	---	U	5.3	ug/L	
Phenol	---	U L	5.3	ug/L	
Bis(2-Chloroethyl)Ether	---	U	5.3	ug/L	
2-Chlorophenol	---	U L	5.3	ug/L	
2-Methylphenol	---	U L	5.3	ug/L	
Bis(2-Chloroisopropyl)Ether	---	U	5.3	ug/L	
Acetophenone	---	U	5.3	ug/L	
4-Methylphenol	---	U L	5.3	ug/L	
N-Nitroso-Di-N-Propylamine	---	U	5.3	ug/L	
Hexachloroethane	---	U	5.3	ug/L	
Nitrobenzene	---	U	5.3	ug/L	
Isophorone	---	U	5.3	ug/L	
2-Nitrophenol	---	U L	5.3	ug/L	
2,4-Dimethylphenol	---	U L	5.3	ug/L	
Bis(-2-Chloroethoxy)Methane	---	U	5.3	ug/L	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-GW-03-1				Sample ID: 1606044-05	
NVOA GCMS					
2,4-Dichlorophenol	---	U L	5.3	ug/L	
Naphthalene	---	U	5.3	ug/L	
4-Chloroaniline	---	U	5.3	ug/L	
Hexachlorobutadiene	---	U	5.3	ug/L	
Caprolactam	---	U	5.3	ug/L	
4-Chloro-3-Methylphenol	---	U L	5.3	ug/L	
2-Methylnaphthalene	---	U	5.3	ug/L	
1,2,4,5-Tetrachlorobenzene	---	U	5.3	ug/L	
Hexachlorocyclopentadiene	---	U	5.3	ug/L	
2,4,6-Trichlorophenol	---	U	5.3	ug/L	
2,4,5-Trichlorophenol	---	U	5.3	ug/L	
Biphenyl	---	U	5.3	ug/L	
2-Chloronaphthalene	---	U	5.3	ug/L	
2-Nitroaniline	---	U	5.3	ug/L	
Dimethyl Phthalate	---	U	5.3	ug/L	
Acenaphthylene	---	U	5.3	ug/L	
2,6-Dinitrotoluene	---	U	5.3	ug/L	
3-Nitroaniline	---	U	5.3	ug/L	
Acenaphthene	---	U	5.3	ug/L	
2,4-Dinitrophenol	---	U	27	ug/L	
4-Nitrophenol	---	U	5.3	ug/L	
Dibenzofuran	---	U	5.3	ug/L	
2,4-Dinitrotoluene	---	U	5.3	ug/L	
2,3,4,6-Tetrachlorophenol	---	U	5.3	ug/L	
Fluorene	---	U	5.3	ug/L	
Diethylphthalate	---	U	5.3	ug/L	
4-Chlorophenyl-Phenylether	---	U	5.3	ug/L	
4-Nitroaniline	---	U	5.3	ug/L	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-GW-03-1				Sample ID: 1606044-05	
NVOA GCMS					
4,6-Dinitro-2-Methylphenol	---	U	5.3	ug/L	
N-Nitrosodiphenylamine	---	U	5.3	ug/L	
4-Bromophenyl-Phenylether	---	U	5.3	ug/L	
Hexachlorobenzene	---	U	5.3	ug/L	
Atrazine	---	U	5.3	ug/L	
Pentachlorophenol	---	U	5.3	ug/L	
Phenanthrene	---	U	5.3	ug/L	
Anthracene	---	U	5.3	ug/L	
Carbazole	---	U	5.3	ug/L	
Di-N-Butyl Phthalate	---	U	5.3	ug/L	
Fluoranthene	---	U	5.3	ug/L	
Pyrene	---	U	5.3	ug/L	
Butylbenzylphthalate	---	U	5.3	ug/L	
3,3'- Dichlorobenzidine	---	U	5.3	ug/L	
Benzo(A)Anthracene	---	U	5.3	ug/L	
Chrysene	---	U	5.3	ug/L	
Bis(2-Ethylhexyl)Phthalate	---	U	5.3	ug/L	
Di-N-Octyl Phthalate	---	U	5.3	ug/L	
Benzo(B)Fluoranthene	---	U	5.3	ug/L	
Benzo(K)Fluoranthene	---	U	5.3	ug/L	
Benzo(A)Pyrene	---	U	5.3	ug/L	
Indeno(1,2,3-Cd)Pyrene	---	U	5.3	ug/L	
Dibenzo(A,H)Anthracene	---	U	5.3	ug/L	
Benzo(G,H,I)Perylene	---	U	5.3	ug/L	
Tetrachloroethylene	14	NJ		ug/L	
Metals ICP					
Aluminum	---	U	100	ug/L	
Antimony	---	U	20	ug/L	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-GW-03-1				Sample ID: 1606044-05	
Metals ICP					
Arsenic	---	U	8.0	ug/L	
Barium	---	U	100	ug/L	
Beryllium	---	U	3.0	ug/L	
Cadmium	---	U	3.0	ug/L	
Calcium	39000		500	ug/L	
Chromium	---	U	5.0	ug/L	
Cobalt	---	U	20	ug/L	
Copper	---	U	10	ug/L	
Iron	---	U	50	ug/L	
Lead	---	U	8.0	ug/L	
Magnesium	3700		500	ug/L	
Manganese	60		5.0	ug/L	
Nickel	---	U	20	ug/L	
Potassium	3000		500	ug/L	
Selenium	---	U	20	ug/L	
Silver	---	U	5.0	ug/L	
Sodium	58000		1000	ug/L	
Thallium	---	U	20	ug/L	
Vanadium	---	U	20	ug/L	
Zinc	---	U	20	ug/L	
Field ID: TB-01				Sample ID: 1606044-06	
VOA-TRACE GCMS					
Dichlorodifluoromethane	---	U	0.50	ug/L	
Chloromethane	---	U	0.50	ug/L	
Vinyl Chloride	---	U	0.50	ug/L	
Bromomethane	---	U	0.50	ug/L	
Chloroethane	---	U	0.50	ug/L	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: TB-01					Sample ID: 1606044-06
VOA-TRACE GCMS					
Trichlorofluoromethane	---	U	0.50	ug/L	
1,1-Dichloroethene	---	U	0.50	ug/L	
1,1,2-Trichloro-1,2,2-Trifluoroethane	---	U	0.50	ug/L	
Carbon Disulfide	---	U	0.50	ug/L	
Acetone	36		5.0	ug/L	
Methyl Acetate	---	U	0.50	ug/L	
Methylene Chloride	---	U	0.50	ug/L	
trans-1,2-Dichloroethene	---	U	0.50	ug/L	
Methyl tert-Butyl Ether	---	U	0.50	ug/L	
1,1-Dichloroethane	---	U	0.50	ug/L	
cis-1,2-Dichloroethene	---	U	0.50	ug/L	
2-Butanone	---	U	5.0	ug/L	
Bromochloromethane	---	U	0.50	ug/L	
Chloroform	---	U	0.50	ug/L	
1,1,1-Trichloroethane	---	U	0.50	ug/L	
Cyclohexane	---	U	0.50	ug/L	
Carbon Tetrachloride	---	U	0.50	ug/L	
Benzene	---	U	0.50	ug/L	
1,2-Dichloroethane	---	U	0.50	ug/L	
Trichloroethene	---	U	0.50	ug/L	
1,2-Dichloropropane	---	U	0.50	ug/L	
Bromodichloromethane	---	U	0.50	ug/L	
cis-1,3-Dichloropropene	---	U	0.50	ug/L	
4-Methyl-2-Pentanone	---	U	5.0	ug/L	
Toluene	---	U	0.50	ug/L	
trans-1,3-Dichloropropene	---	U	0.50	ug/L	
1,1,2-Trichloroethane	---	U	0.50	ug/L	
Tetrachloroethene	---	U	0.50	ug/L	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: TB-01					Sample ID: 1606044-06
VOA-TRACE GCMS					
Methylcyclohexane	---	U	0.50	ug/L	
Dibromochloromethane	---	U	0.50	ug/L	
1,2-Dibromoethane	---	U	0.50	ug/L	
2-Hexanone	---	U	5.0	ug/L	
Chlorobenzene	---	U	0.50	ug/L	
Ethylbenzene	---	U	0.50	ug/L	
m/p-Xylene	---	U	0.50	ug/L	
o-Xylene	---	U	0.50	ug/L	
Styrene	---	U	0.50	ug/L	
Bromoform	---	U	0.50	ug/L	
Isopropylbenzene	---	U	0.50	ug/L	
1,1,2,2-Tetrachloroethane	---	U	0.50	ug/L	
1,3-Dichlorobenzene	---	U	0.50	ug/L	
1,4-Dichlorobenzene	---	U	0.50	ug/L	
1,2-Dichlorobenzene	---	U	0.50	ug/L	
1,2-Dibromo-3-Chloropropane	---	U	0.50	ug/L	
1,2,4-Trichlorobenzene	---	U	0.50	ug/L	
1,2,3-Trichlorobenzene	---	U	0.50	ug/L	

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 2 Laboratory
2890 Woodbridge Avenue
Edison , New Jersey 08837
732-906-6886 Phone
732-906-6165 Fax

August 18, 2016

Scott Kirchner
CDM Smith
110 Fieldcrest Avenue, 6th Floor
Edison, NJ 08837

RE: Kingston Rail Yard - 1606029

Enclosed are the results of analyses for samples received by the laboratory between 6/15/2016 and 6/17/2016. The signature below reflects the laboratory's approval of the reported results. If you have any questions concerning this report, please refer to Project Number 1606029 and contact the laboratory.

Sincerely,

John R. Bourbon
Chief, DESA/LB

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 2 Laboratory

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Project: Kingston Rail Yard - 1606029

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Project Narrative:

The National Environmental Laboratory Accreditation Conference Institute (TNI) is a voluntary environmental laboratory accreditation association of State and Federal agencies. TNI established and promoted a National Environmental Laboratory Accreditation Program (NELAP) that provides a uniform set of standards for the generation of environmental data that are of known and defensible quality. The EPA Region 2 Laboratory is NELAP accredited. The Laboratory tests that are accredited have met all the requirements established under the TNI Standards.

Condition Comments

None

Comment(s):

The "Sample Analysis Date and Time" is included in the results section for any analyte with a prescribed holding time of 72 hours or less.

Data Qualifier(s):

U- The analyte was not detected at or above the Reporting Limit.
J- The identification of the analyte is acceptable; the reported value is an estimate.
K- The identification of the analyte is acceptable; the reported value may be biased high.
L- The identification of the analyte is acceptable; the reported value may be biased low.
NJ- There is presumptive evidence that the analyte is present; the analyte is reported as a tentative identification. The reported value is an estimate.

Reporting Limit(s):

The Laboratory was able to achieve the Contract Required Quantitation Limits (CRQLs), where applicable, for each analyte requested except for the following analyte(s):

Volatile Organic Compounds: The Reporting Limits for Bromomethane, cis-1,3-Dichloropropane and 2-Hexanone were raised due to problems associated with the initial calibration curve in all samples.

Semi-Volatile Organic Compounds: The Reporting Limit for 2,4-Dinitrophenol was raised accordingly due to problems associated with the initial calibration curve in all samples.

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SUMMARY REPORT FOR SAMPLES

Field ID	Laboratory ID	Matrix	Date Sampled	Date Received
KR-SS-01-A	1606029-01	Solid	06/14/2016 10:40	06/15/2016 11:00
KR-SS-02-A	1606029-02	Solid	06/14/2016 11:00	06/15/2016 11:00
KR-SS-03-A	1606029-03	Solid	06/14/2016 11:15	06/15/2016 11:00
KR-SS-04-A	1606029-04	Solid	06/14/2016 12:00	06/15/2016 11:00
KR-SS-05-A	1606029-05	Solid	06/14/2016 12:15	06/15/2016 11:00
KR-SS-06-A	1606029-06	Solid	06/14/2016 12:20	06/15/2016 11:00
KR-SS-07-A	1606029-07	Solid	06/14/2016 13:40	06/15/2016 11:00
KR-SS-08-A	1606029-08	Solid	06/14/2016 13:45	06/15/2016 11:00
KR-SS-10-A	1606029-09	Solid	06/14/2016 15:20	06/15/2016 11:00
KR-SS-11-A	1606029-10	Solid	06/14/2016 14:30	06/15/2016 11:00
KR-SB-01-A	1606029-11	Solid	06/14/2016 13:45	06/15/2016 11:00
KR-SB-06-A	1606029-12	Solid	06/14/2016 14:40	06/15/2016 11:00
KR-SB-10-A	1606029-13	Solid	06/14/2016 15:40	06/15/2016 11:00
KR-SB-02-A	1606039-01	Solid	06/15/2016 08:15	06/16/2016 11:00
KR-SB-03-A	1606039-02	Solid	06/15/2016 08:45	06/16/2016 11:00
KR-SB-04-A	1606039-03	Solid	06/15/2016 09:20	06/16/2016 11:00
KR-SB-05-A	1606039-04	Solid	06/15/2016 10:15	06/16/2016 11:00
KR-SB-07-A	1606039-05	Solid	06/15/2016 10:45	06/16/2016 11:00
KR-SB-08-A	1606039-06	Solid	06/15/2016 11:20	06/16/2016 11:00
SB-900-A	1606039-07	Solid	06/15/2016 10:50	06/16/2016 11:00
KR-SB-09-A	1606039-08	Solid	06/15/2016 13:10	06/16/2016 11:00
KR-SB-11-A	1606039-09	Solid	06/15/2016 11:55	06/16/2016 11:00
KR-SS-09-A	1606039-10	Solid	06/15/2016 12:50	06/16/2016 11:00
SB-900-B	1606039-11	Solid	06/15/2016 12:00	06/16/2016 11:00
FB-SB-A	1606039-12	Aqueous	06/15/2016 12:30	06/16/2016 11:00
FB-GW-B	1606044-01	Aqueous	06/16/2016 11:05	06/17/2016 10:30
GW-900-1	1606044-02	Aqueous	06/16/2016 12:00	06/17/2016 10:30
KR-GW-01-1	1606044-03	Aqueous	06/16/2016 10:00	06/17/2016 10:30

NOTE: The results recorded in this report relate only to the samples as received on the date and at the time noted



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Region 2 Laboratory

Final Report

Project: Kingston Rail Yard - 1606029

Project Number: 1606029

SUMMARY REPORT FOR SAMPLES

Field ID	Laboratory ID	Matrix	Date Sampled	Date Received
KR-GW-02-1	1606044-04	Aqueous	06/16/2016 12:00	06/17/2016 10:30
KR-GW-03-1	1606044-05	Aqueous	06/16/2016 14:00	06/17/2016 10:30
TB-01	1606044-06	Aqueous	06/16/2016 09:45	06/17/2016 10:30

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
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Project: Kingston Rail Yard - 1606029

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SUMMARY REPORT FOR METHODS

Analysis	Method	Certification	Matrix
E-Metals ICP TAL	EPA 200.7 SOP C-109 Rev3.3	NELAP	Aqueous
E-Metals ICP TAL	EPA 200.7 SOP C-109 Rev3.3	NELAP	Solid
E-SVOA TCL	EPA 625 SOP C-90 Rev 3.5		Aqueous
E-SVOA TCL	EPA 625 SOP C-90 Rev 3.5		Solid
PCB Aroclors TCL	EPA 608 SOP C-91 Rev4.0		Aqueous
PCB Aroclors TCL	EPA 608 SOP C-91 Rev4.0		Solid
VOA Low Level Soil	SOM 2.2 SOP C-123 Rev2.5	NELAP	Solid
VOA Trace/SF	EPA DW-1 Rev 2.4	NELAP	Aqueous

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SS-01-A				Sample ID: 1606029-01	
NVOA GCMS					
1,4-Dioxane	---	U	68.0	ug/kg dry	
Benzaldehyde	---	U	102	ug/kg dry	
Phenol	110		102	ug/kg dry	
Bis(2-Chloroethyl)Ether	---	U	102	ug/kg dry	
2-Chlorophenol	---	U	102	ug/kg dry	
2-Methylphenol	---	U	102	ug/kg dry	
Bis(2-Chloroisopropyl)Ether	---	U	102	ug/kg dry	
Acetophenone	---	U	102	ug/kg dry	
4-Methylphenol	117		102	ug/kg dry	
N-Nitroso-Di-N-Propylamine	---	U	102	ug/kg dry	
Hexachloroethane	---	U	102	ug/kg dry	
Nitrobenzene	---	U	102	ug/kg dry	
Isophorone	---	U	102	ug/kg dry	
2-Nitrophenol	---	U	102	ug/kg dry	
2,4-Dimethylphenol	---	U	102	ug/kg dry	
Bis(-2-Chloroethoxy)Methane	---	U	102	ug/kg dry	
2,4-Dichlorophenol	---	U	102	ug/kg dry	
Naphthalene	856		102	ug/kg dry	
4-Chloroaniline	---	U	102	ug/kg dry	
Hexachlorobutadiene	---	U	102	ug/kg dry	
Caprolactam	---	U	102	ug/kg dry	
4-Chloro-3-Methylphenol	---	U	102	ug/kg dry	
2-Methylnaphthalene	602		102	ug/kg dry	
1,2,4,5-Tetrachlorobenzene	---	U	102	ug/kg dry	
Hexachlorocyclopentadiene	---	U	102	ug/kg dry	
2,4,6-Trichlorophenol	---	U	102	ug/kg dry	
2,4,5-Trichlorophenol	---	U	102	ug/kg dry	
Biphenyl	307		102	ug/kg dry	

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Project: Kingston Rail Yard - 1606029

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SS-01-A				Sample ID: 1606029-01	
NVOA GCMS					
2-Chloronaphthalene	---	U	102	ug/kg dry	
2-Nitroaniline	---	U	102	ug/kg dry	
Dimethyl Phthalate	---	U	102	ug/kg dry	
Acenaphthylene	158		102	ug/kg dry	
2,6-Dinitrotoluene	---	U	102	ug/kg dry	
3-Nitroaniline	---	U	102	ug/kg dry	
Acenaphthene	468		102	ug/kg dry	
2,4-Dinitrophenol	---	U J	338	ug/kg dry	
4-Nitrophenol	---	U	102	ug/kg dry	
Dibenzofuran	1250		102	ug/kg dry	
2,4-Dinitrotoluene	---	U	102	ug/kg dry	
2,3,4,6-Tetrachlorophenol	---	U	102	ug/kg dry	
Fluorene	367		102	ug/kg dry	
Diethylphthalate	---	U	102	ug/kg dry	
4-Chlorophenyl-Phenylether	---	U	102	ug/kg dry	
4-Nitroaniline	---	U	102	ug/kg dry	
4,6-Dinitro-2-Methylphenol	---	U	102	ug/kg dry	
N-Nitrosodiphenylamine	---	U	102	ug/kg dry	
4-Bromophenyl-Phenylether	---	U	102	ug/kg dry	
Hexachlorobenzene	---	U	102	ug/kg dry	
Atrazine	---	U	102	ug/kg dry	
Pentachlorophenol	---	U	102	ug/kg dry	
Phenanthrene	1890		102	ug/kg dry	
Anthracene	350		102	ug/kg dry	
Carbazole	228		102	ug/kg dry	
Di-N-Butyl Phthalate	---	U	102	ug/kg dry	
Fluoranthene	2970		102	ug/kg dry	

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SS-01-A				Sample ID: 1606029-01	
NVOA GCMS					
Pyrene	1880		102	ug/kg dry	
Butylbenzylphthalate	---	U	102	ug/kg dry	
3,3'- Dichlorobenzidine	---	U	102	ug/kg dry	
Benzo(A)Anthracene	1060		102	ug/kg dry	
Chrysene	1160		102	ug/kg dry	
Bis(2-Ethylhexyl)Phthalate	---	U	102	ug/kg dry	
Di-N-Octyl Phthalate	---	U	102	ug/kg dry	
Benzo(B)Fluoranthene	2190		102	ug/kg dry	
Benzo(K)Fluoranthene	599		102	ug/kg dry	
Benzo(A)Pyrene	684		102	ug/kg dry	
Indeno(1,2,3-Cd)Pyrene	851		102	ug/kg dry	
Dibenzo(A,H)Anthracene	220		102	ug/kg dry	
Benzo(G,H,I)Perylene	620		102	ug/kg dry	
1,8-Naphthalic anhydride	711	NJ		ug/kg dry	
11H-Benzo[a]fluoren-11-one	758	NJ		ug/kg dry	
7H-Benz[de]anthracen-7-one	811	NJ		ug/kg dry	
9,10-Anthracenedione	649	NJ		ug/kg dry	
Acenaphtho(1,2-B)pyridine	869	NJ		ug/kg dry	
Cyclopenta(def)phenanthrenone	887	NJ		ug/kg dry	
Naphthalene, 1-methyl-	628	NJ		ug/kg dry	
Perylene	1040	NJ		ug/kg dry	
Phthalic anhydride	779	NJ		ug/kg dry	
PCB Aroclors GC					
Aroclor 1016	---	U J	32	ug/kg dry	
Aroclor 1221	---	U J	64	ug/kg dry	
Aroclor 1232	---	U J	32	ug/kg dry	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SS-01-A				Sample ID: 1606029-01	
PCB Aroclors GC					
Aroclor 1242	---	U J	32	ug/kg dry	
Aroclor 1248	---	U J	32	ug/kg dry	
Aroclor 1254	---	U J	32	ug/kg dry	
Aroclor 1260	---	U J	32	ug/kg dry	
Aroclor 1262	---	U J	32	ug/kg dry	
Aroclor 1268	---	U J	32	ug/kg dry	
Metals ICP					
Aluminum	2800		17	mg/kg dry	
Antimony	12		3.3	mg/kg dry	
Arsenic	120		1.3	mg/kg dry	
Barium	92		17	mg/kg dry	
Beryllium	0.66		0.50	mg/kg dry	
Cadmium	5.4		0.50	mg/kg dry	
Calcium	2300		83	mg/kg dry	
Chromium	190		0.83	mg/kg dry	
Cobalt	35		3.3	mg/kg dry	
Copper	460		1.7	mg/kg dry	
Iron	350000		83	mg/kg dry	
Lead	94		1.3	mg/kg dry	
Magnesium	350		83	mg/kg dry	
Manganese	1300		0.83	mg/kg dry	
Nickel	160		3.3	mg/kg dry	
Potassium	410		83	mg/kg dry	
Selenium	31		3.3	mg/kg dry	
Silver	---	U	0.83	mg/kg dry	
Sodium	410		170	mg/kg dry	

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SS-01-A				Sample ID: 1606029-01	
Metals ICP					
Thallium	---	U	3.3	mg/kg dry	
Tin	34		1.7	mg/kg dry	
Vanadium	27		3.3	mg/kg dry	
Zinc	70		3.3	mg/kg dry	
Field ID: KR-SS-02-A				Sample ID: 1606029-02	
NVOA GCMS					
1,4-Dioxane	---	U	73.2	ug/kg dry	
Benzaldehyde	---	U	109	ug/kg dry	
Phenol	---	U	109	ug/kg dry	
Bis(2-Chloroethyl)Ether	---	U	109	ug/kg dry	
2-Chlorophenol	---	U	109	ug/kg dry	
2-Methylphenol	---	U	109	ug/kg dry	
Bis(2-Chloroisopropyl)Ether	---	U	109	ug/kg dry	
Acetophenone	---	U	109	ug/kg dry	
4-Methylphenol	---	U	109	ug/kg dry	
N-Nitroso-Di-N-Propylamine	---	U	109	ug/kg dry	
Hexachloroethane	---	U	109	ug/kg dry	
Nitrobenzene	---	U	109	ug/kg dry	
Isophorone	---	U	109	ug/kg dry	
2-Nitrophenol	---	U	109	ug/kg dry	
2,4-Dimethylphenol	---	U	109	ug/kg dry	
Bis(-2-Chloroethoxy)Methane	---	U	109	ug/kg dry	
2,4-Dichlorophenol	---	U	109	ug/kg dry	
Naphthalene	212		109	ug/kg dry	
4-Chloroaniline	---	U	109	ug/kg dry	
Hexachlorobutadiene	---	U	109	ug/kg dry	
Caprolactam	---	U	109	ug/kg dry	

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SS-02-A				Sample ID: 1606029-02	
NVOA GCMS					
4-Chloro-3-Methylphenol	---	U	109	ug/kg dry	
2-Methylnaphthalene	179		109	ug/kg dry	
1,2,4,5-Tetrachlorobenzene	---	U	109	ug/kg dry	
Hexachlorocyclopentadiene	---	U	109	ug/kg dry	
2,4,6-Trichlorophenol	---	U	109	ug/kg dry	
2,4,5-Trichlorophenol	---	U	109	ug/kg dry	
Biphenyl	---	U	109	ug/kg dry	
2-Chloronaphthalene	---	U	109	ug/kg dry	
2-Nitroaniline	---	U	109	ug/kg dry	
Dimethyl Phthalate	---	U	109	ug/kg dry	
Acenaphthylene	850		109	ug/kg dry	
2,6-Dinitrotoluene	---	U	109	ug/kg dry	
3-Nitroaniline	---	U	109	ug/kg dry	
Acenaphthene	---	U	109	ug/kg dry	
2,4-Dinitrophenol	---	U J	364	ug/kg dry	
4-Nitrophenol	---	U	109	ug/kg dry	
Dibenzofuran	154		109	ug/kg dry	
2,4-Dinitrotoluene	---	U	109	ug/kg dry	
2,3,4,6-Tetrachlorophenol	---	U	109	ug/kg dry	
Fluorene	137		109	ug/kg dry	
Diethylphthalate	---	U	109	ug/kg dry	
4-Chlorophenyl-Phenylether	---	U	109	ug/kg dry	
4-Nitroaniline	---	U	109	ug/kg dry	
4,6-Dinitro-2-Methylphenol	---	U	109	ug/kg dry	
N-Nitrosodiphenylamine	---	U	109	ug/kg dry	
4-Bromophenyl-Phenylether	---	U	109	ug/kg dry	
Hexachlorobenzene	---	U	109	ug/kg dry	
Atrazine	---	U	109	ug/kg dry	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SS-02-A				Sample ID: 1606029-02	
NVOA GCMS					
Pentachlorophenol	---	U	109	ug/kg dry	
Phenanthrene	1510		109	ug/kg dry	
Anthracene	849		109	ug/kg dry	
Carbazole	316		109	ug/kg dry	
Di-N-Butyl Phthalate	---	U	109	ug/kg dry	
Fluoranthene	5260		546	ug/kg dry	
Pyrene	4430		546	ug/kg dry	
Butylbenzylphthalate	---	U	109	ug/kg dry	
3,3'- Dichlorobenzidine	---	U	109	ug/kg dry	
Benzo(A)Anthracene	4470		546	ug/kg dry	
Chrysene	4520		546	ug/kg dry	
Bis(2-Ethylhexyl)Phthalate	---	U	109	ug/kg dry	
Di-N-Octyl Phthalate	---	U	109	ug/kg dry	
Benzo(B)Fluoranthene	6640		546	ug/kg dry	
Benzo(K)Fluoranthene	1590		109	ug/kg dry	
Benzo(A)Pyrene	3070		109	ug/kg dry	
Indeno(1,2,3-Cd)Pyrene	1640		109	ug/kg dry	
Dibenzo(A,H)Anthracene	451		109	ug/kg dry	
Benzo(G,H,I)Perylene	1170		109	ug/kg dry	
11H-Benzo[a]fluoren-11-one (01)	1870	NJ		ug/kg dry	
11H-Benzo[a]fluorene	875	NJ		ug/kg dry	
Benzo[b]naphtho[2,3-d]thiop...	955	NJ		ug/kg dry	
Pyrene, 1-methyl-	1220	NJ		ug/kg dry	
Pyrene, 2-methyl- (01)	1220	NJ		ug/kg dry	
Tetrachloroethylene	2830	NJ		ug/kg dry	
Triphenylene, 2-methyl-	1510	NJ		ug/kg dry	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SS-02-A				Sample ID: 1606029-02	
PCB Aroclors GC					
Aroclor 1016	---	U J	34	ug/kg dry	
Aroclor 1221	---	U J	67	ug/kg dry	
Aroclor 1232	---	U J	34	ug/kg dry	
Aroclor 1242	---	U J	34	ug/kg dry	
Aroclor 1248	---	U J	34	ug/kg dry	
Aroclor 1254	---	U J	34	ug/kg dry	
Aroclor 1260	---	U J	34	ug/kg dry	
Aroclor 1262	---	U J	34	ug/kg dry	
Aroclor 1268	---	U J	34	ug/kg dry	
Metals ICP					
Aluminum	6000		8.2	mg/kg dry	
Antimony	1.7		1.6	mg/kg dry	
Arsenic	9.7		0.66	mg/kg dry	
Barium	53		8.2	mg/kg dry	
Beryllium	0.38		0.25	mg/kg dry	
Cadmium	0.68		0.25	mg/kg dry	
Calcium	10000		41	mg/kg dry	
Chromium	12		0.41	mg/kg dry	
Cobalt	7.4		1.6	mg/kg dry	
Copper	53		0.82	mg/kg dry	
Iron	19000		4.1	mg/kg dry	
Lead	130		0.66	mg/kg dry	
Magnesium	2000		41	mg/kg dry	
Manganese	400		0.41	mg/kg dry	
Nickel	16		1.6	mg/kg dry	
Potassium	410		41	mg/kg dry	
Selenium	---	U	1.6	mg/kg dry	

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SS-02-A				Sample ID: 1606029-02	
Metals ICP					
Silver	---	U	0.41	mg/kg dry	
Sodium	---	U	82	mg/kg dry	
Thallium	---	U	1.6	mg/kg dry	
Tin	6.1		0.82	mg/kg dry	
Vanadium	14		1.6	mg/kg dry	
Zinc	190		1.6	mg/kg dry	
Field ID: KR-SS-03-A				Sample ID: 1606029-03	
NVOA GCMS					
1,4-Dioxane	---	U L	130	ug/kg dry	
Benzaldehyde	---	U L	195	ug/kg dry	
Phenol	---	U L	195	ug/kg dry	
Bis(2-Chloroethyl)Ether	---	U L	195	ug/kg dry	
2-Chlorophenol	---	U L	195	ug/kg dry	
2-Methylphenol	---	U L	195	ug/kg dry	
Bis(2-Chloroisopropyl)Ether	---	U L	195	ug/kg dry	
Acetophenone	---	U L	195	ug/kg dry	
4-Methylphenol	---	U L	195	ug/kg dry	
N-Nitroso-Di-N-Propylamine	---	U L	195	ug/kg dry	
Hexachloroethane	---	U L	195	ug/kg dry	
Nitrobenzene	---	U L	195	ug/kg dry	
Isophorone	---	U L	195	ug/kg dry	
2-Nitrophenol	---	U L	195	ug/kg dry	
2,4-Dimethylphenol	---	U L	195	ug/kg dry	
Bis(-2-Chloroethoxy)Methane	---	U L	195	ug/kg dry	
2,4-Dichlorophenol	---	U L	195	ug/kg dry	
Naphthalene	---	U L	195	ug/kg dry	
4-Chloroaniline	---	U L	195	ug/kg dry	
Hexachlorobutadiene	---	U L	195	ug/kg dry	

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SS-03-A				Sample ID: 1606029-03	
NVOA GCMS					
Caprolactam	---	U L	195	ug/kg dry	
4-Chloro-3-Methylphenol	---	U L	195	ug/kg dry	
2-Methylnaphthalene	---	U L	195	ug/kg dry	
1,2,4,5-Tetrachlorobenzene	---	U L	195	ug/kg dry	
Hexachlorocyclopentadiene	---	U L	195	ug/kg dry	
2,4,6-Trichlorophenol	---	U L	195	ug/kg dry	
2,4,5-Trichlorophenol	---	U L	195	ug/kg dry	
Biphenyl	---	U L	195	ug/kg dry	
2-Chloronaphthalene	---	U L	195	ug/kg dry	
2-Nitroaniline	---	U L	195	ug/kg dry	
Dimethyl Phthalate	---	U L	195	ug/kg dry	
Acenaphthylene	---	U L	195	ug/kg dry	
2,6-Dinitrotoluene	---	U L	195	ug/kg dry	
3-Nitroaniline	---	U L	195	ug/kg dry	
Acenaphthene	1190	L	195	ug/kg dry	
2,4-Dinitrophenol	---	U J	648	ug/kg dry	
4-Nitrophenol	---	U L	195	ug/kg dry	
Dibenzofuran	720	L	195	ug/kg dry	
2,4-Dinitrotoluene	---	U L	195	ug/kg dry	
2,3,4,6-Tetrachlorophenol	---	U L	195	ug/kg dry	
Fluorene	1130	L	195	ug/kg dry	
Diethylphthalate	---	U L	195	ug/kg dry	
4-Chlorophenyl-Phenylether	---	U L	195	ug/kg dry	
4-Nitroaniline	---	U L	195	ug/kg dry	
4,6-Dinitro-2-Methylphenol	---	U L	195	ug/kg dry	
N-Nitrosodiphenylamine	---	U L	195	ug/kg dry	
4-Bromophenyl-Phenylether	---	U L	195	ug/kg dry	
Hexachlorobenzene	---	U L	195	ug/kg dry	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SS-03-A				Sample ID: 1606029-03	
NVOA GCMS					
Atrazine	---	U L	195	ug/kg dry	
Pentachlorophenol	---	U L	195	ug/kg dry	
Phenanthrene	7560	L	1950	ug/kg dry	
Anthracene	2240	L	195	ug/kg dry	
Carbazole	656	L	195	ug/kg dry	
Di-N-Butyl Phthalate	---	U L	195	ug/kg dry	
Fluoranthene	23300	L	1950	ug/kg dry	
Pyrene	12500	L	1950	ug/kg dry	
Butylbenzylphthalate	---	U L	195	ug/kg dry	
3,3'- Dichlorobenzidine	---	U L	195	ug/kg dry	
Benzo(A)Anthracene	1520	L	195	ug/kg dry	
Chrysene	6170	L	195	ug/kg dry	
Bis(2-Ethylhexyl)Phthalate	3020	K, L	195	ug/kg dry	
Di-N-Octyl Phthalate	---	U L	195	ug/kg dry	
Benzo(B)Fluoranthene	---	U L	195	ug/kg dry	
Benzo(K)Fluoranthene	---	U L	195	ug/kg dry	
Benzo(A)Pyrene	---	U L	195	ug/kg dry	
Indeno(1,2,3-Cd)Pyrene	---	U L	195	ug/kg dry	
Dibenzo(A,H)Anthracene	---	U L	195	ug/kg dry	
Benzo(G,H,I)Perylene	---	U L	195	ug/kg dry	
2-Phenylnaphthalene	1010	NJ		ug/kg dry	
9,10-Anthracenedione	2300	NJ		ug/kg dry	
Pentadecane, 2,6,10,14-tetr...	2310	NJ		ug/kg dry	
Pentadecane, 2,6,10-trimethyl-	929	NJ		ug/kg dry	

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SS-03-A				Sample ID: 1606029-03	
PCB Aroclors GC					
Aroclor 1016	---	U J	41	ug/kg dry	
Aroclor 1221	---	U J	81	ug/kg dry	
Aroclor 1232	---	U J	41	ug/kg dry	
Aroclor 1242	---	U J	41	ug/kg dry	
Aroclor 1248	---	U J	41	ug/kg dry	
Aroclor 1254	---	U J	41	ug/kg dry	
Aroclor 1260	---	U J	41	ug/kg dry	
Aroclor 1262	---	U J	41	ug/kg dry	
Aroclor 1268	---	U J	41	ug/kg dry	
Metals ICP					
Aluminum	2000		11	mg/kg dry	
Antimony	7.1		2.1	mg/kg dry	
Arsenic	30		0.86	mg/kg dry	
Barium	45		11	mg/kg dry	
Beryllium	---	U	0.32	mg/kg dry	
Cadmium	7.3		0.32	mg/kg dry	
Calcium	7700		54	mg/kg dry	
Chromium	220		0.54	mg/kg dry	
Cobalt	23		2.1	mg/kg dry	
Copper	310		1.1	mg/kg dry	
Iron	170000		54	mg/kg dry	
Lead	170		0.86	mg/kg dry	
Magnesium	770		54	mg/kg dry	
Manganese	1100		0.54	mg/kg dry	
Nickel	180		2.1	mg/kg dry	
Potassium	310		54	mg/kg dry	
Selenium	3.5		2.1	mg/kg dry	

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SS-03-A				Sample ID: 1606029-03	
Metals ICP					
Silver	---	U	0.54	mg/kg dry	
Sodium	150		110	mg/kg dry	
Thallium	---	U	2.1	mg/kg dry	
Tin	21		1.1	mg/kg dry	
Vanadium	30		2.1	mg/kg dry	
Zinc	330		2.1	mg/kg dry	
Field ID: KR-SS-04-A				Sample ID: 1606029-04	
NVOA GCMS					
1,4-Dioxane	---	U	73.1	ug/kg dry	
Benzaldehyde	---	U L	109	ug/kg dry	
Phenol	---	U L	109	ug/kg dry	
Bis(2-Chloroethyl)Ether	---	U L	109	ug/kg dry	
2-Chlorophenol	---	U L	109	ug/kg dry	
2-Methylphenol	---	U L	109	ug/kg dry	
Bis(2-Chloroisopropyl)Ether	---	U L	109	ug/kg dry	
Acetophenone	---	U L	109	ug/kg dry	
4-Methylphenol	---	U L	109	ug/kg dry	
N-Nitroso-Di-N-Propylamine	---	U L	109	ug/kg dry	
Hexachloroethane	---	U L	109	ug/kg dry	
Nitrobenzene	---	U L	109	ug/kg dry	
Isophorone	---	U L	109	ug/kg dry	
2-Nitrophenol	---	U L	109	ug/kg dry	
2,4-Dimethylphenol	---	U L	109	ug/kg dry	
Bis(-2-Chloroethoxy)Methane	---	U L	109	ug/kg dry	
2,4-Dichlorophenol	---	U L	109	ug/kg dry	
Naphthalene	232		109	ug/kg dry	
4-Chloroaniline	---	U	109	ug/kg dry	

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SS-04-A				Sample ID: 1606029-04	
NVOA GCMS					
Hexachlorobutadiene	---	U	109	ug/kg dry	
Caprolactam	---	U	109	ug/kg dry	
4-Chloro-3-Methylphenol	---	U L	109	ug/kg dry	
2-Methylnaphthalene	155		109	ug/kg dry	
1,2,4,5-Tetrachlorobenzene	---	U	109	ug/kg dry	
Hexachlorocyclopentadiene	---	U	109	ug/kg dry	
2,4,6-Trichlorophenol	---	U L	109	ug/kg dry	
2,4,5-Trichlorophenol	---	U L	109	ug/kg dry	
Biphenyl	---	U	109	ug/kg dry	
2-Chloronaphthalene	---	U	109	ug/kg dry	
2-Nitroaniline	---	U	109	ug/kg dry	
Dimethyl Phthalate	---	U	109	ug/kg dry	
Acenaphthylene	155		109	ug/kg dry	
2,6-Dinitrotoluene	---	U	109	ug/kg dry	
3-Nitroaniline	---	U	109	ug/kg dry	
Acenaphthene	---	U	109	ug/kg dry	
2,4-Dinitrophenol	---	U J	364	ug/kg dry	
4-Nitrophenol	---	U L	109	ug/kg dry	
Dibenzofuran	---	U	109	ug/kg dry	
2,4-Dinitrotoluene	---	U	109	ug/kg dry	
2,3,4,6-Tetrachlorophenol	---	U	109	ug/kg dry	
Fluorene	---	U	109	ug/kg dry	
Diethylphthalate	---	U	109	ug/kg dry	
4-Chlorophenyl-Phenylether	---	U	109	ug/kg dry	
4-Nitroaniline	---	U	109	ug/kg dry	
4,6-Dinitro-2-Methylphenol	---	U L	109	ug/kg dry	
N-Nitrosodiphenylamine	---	U	109	ug/kg dry	
4-Bromophenyl-Phenylether	---	U	109	ug/kg dry	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SS-04-A				Sample ID: 1606029-04	
NVOA GCMS					
Hexachlorobenzene	---	U	109	ug/kg dry	
Atrazine	---	U	109	ug/kg dry	
Pentachlorophenol	---	U L	109	ug/kg dry	
Phenanthrene	488		109	ug/kg dry	
Anthracene	154		109	ug/kg dry	
Carbazole	---	U L	109	ug/kg dry	
Di-N-Butyl Phthalate	---	U L	109	ug/kg dry	
Fluoranthene	1260	L	109	ug/kg dry	
Pyrene	1070	L	109	ug/kg dry	
Butylbenzylphthalate	---	U L	109	ug/kg dry	
3,3'- Dichlorobenzidine	---	U L	109	ug/kg dry	
Benzo(A)Anthracene	661	L	109	ug/kg dry	
Chrysene	739	L	109	ug/kg dry	
Bis(2-Ethylhexyl)Phthalate	---	U L	109	ug/kg dry	
Di-N-Octyl Phthalate	---	U L	109	ug/kg dry	
Benzo(B)Fluoranthene	1050	L	109	ug/kg dry	
Benzo(K)Fluoranthene	355	L	109	ug/kg dry	
Benzo(A)Pyrene	613	L	109	ug/kg dry	
Indeno(1,2,3-Cd)Pyrene	383	L	109	ug/kg dry	
Dibenzo(A,H)Anthracene	---	U L	109	ug/kg dry	
Benzo(G,H,I)Perylene	289	L	109	ug/kg dry	
11H-Benzo[a]fluoren-11-one	394	NJ		ug/kg dry	
11H-Benzo[b]fluorene	501	NJ		ug/kg dry	
Pentadecane, 2,6,10,14-tetr...	536	NJ		ug/kg dry	
Tetrachloroethylene	5890	NJ		ug/kg dry	

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SS-04-A				Sample ID: 1606029-04	
PCB Aroclors GC					
Aroclor 1016	---	U J	34	ug/kg dry	
Aroclor 1221	---	U J	68	ug/kg dry	
Aroclor 1232	---	U J	34	ug/kg dry	
Aroclor 1242	---	U J	34	ug/kg dry	
Aroclor 1248	---	U J	34	ug/kg dry	
Aroclor 1254	---	U J	34	ug/kg dry	
Aroclor 1260	---	U J	34	ug/kg dry	
Aroclor 1262	---	U J	34	ug/kg dry	
Aroclor 1268	---	U J	34	ug/kg dry	
Metals ICP					
Aluminum	5400		8.8	mg/kg dry	
Antimony	3.7		1.8	mg/kg dry	
Arsenic	9.9		0.70	mg/kg dry	
Barium	51		8.8	mg/kg dry	
Beryllium	0.37		0.26	mg/kg dry	
Cadmium	0.30		0.26	mg/kg dry	
Calcium	1200		44	mg/kg dry	
Chromium	9.9		0.44	mg/kg dry	
Cobalt	6.7		1.8	mg/kg dry	
Copper	76		0.88	mg/kg dry	
Iron	20000		4.4	mg/kg dry	
Lead	130		0.70	mg/kg dry	
Magnesium	1900		44	mg/kg dry	
Manganese	360		0.44	mg/kg dry	
Nickel	14		1.8	mg/kg dry	
Potassium	400		44	mg/kg dry	
Selenium	---	U	1.8	mg/kg dry	

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SS-04-A				Sample ID: 1606029-04	
Metals ICP					
Silver	---	U	0.44	mg/kg dry	
Sodium	---	U	88	mg/kg dry	
Thallium	---	U	1.8	mg/kg dry	
Tin	9.7		0.88	mg/kg dry	
Vanadium	13		1.8	mg/kg dry	
Zinc	61		1.8	mg/kg dry	
Field ID: KR-SS-05-A				Sample ID: 1606029-05	
NVOA GCMS					
1,4-Dioxane	---	U L	70.7	ug/kg dry	
Benzaldehyde	---	U L	106	ug/kg dry	
Phenol	---	U L	106	ug/kg dry	
Bis(2-Chloroethyl)Ether	---	U L	106	ug/kg dry	
2-Chlorophenol	---	U L	106	ug/kg dry	
2-Methylphenol	---	U L	106	ug/kg dry	
Bis(2-Chloroisopropyl)Ether	---	U L	106	ug/kg dry	
Acetophenone	---	U L	106	ug/kg dry	
4-Methylphenol	---	U L	106	ug/kg dry	
N-Nitroso-Di-N-Propylamine	---	U L	106	ug/kg dry	
Hexachloroethane	---	U L	106	ug/kg dry	
Nitrobenzene	---	U L	106	ug/kg dry	
Isophorone	---	U L	106	ug/kg dry	
2-Nitrophenol	---	U L	106	ug/kg dry	
2,4-Dimethylphenol	---	U L	106	ug/kg dry	
Bis(-2-Chloroethoxy)Methane	---	U L	106	ug/kg dry	
2,4-Dichlorophenol	---	U L	106	ug/kg dry	
Naphthalene	218	L	106	ug/kg dry	
4-Chloroaniline	---	U	106	ug/kg dry	

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SS-05-A				Sample ID: 1606029-05	
NVOA GCMS					
Hexachlorobutadiene	---	U	106	ug/kg dry	
Caprolactam	---	U	106	ug/kg dry	
4-Chloro-3-Methylphenol	---	U L	106	ug/kg dry	
2-Methylnaphthalene	192		106	ug/kg dry	
1,2,4,5-Tetrachlorobenzene	---	U	106	ug/kg dry	
Hexachlorocyclopentadiene	---	U	106	ug/kg dry	
2,4,6-Trichlorophenol	---	U L	106	ug/kg dry	
2,4,5-Trichlorophenol	---	U L	106	ug/kg dry	
Biphenyl	---	U	106	ug/kg dry	
2-Chloronaphthalene	---	U	106	ug/kg dry	
2-Nitroaniline	---	U	106	ug/kg dry	
Dimethyl Phthalate	---	U	106	ug/kg dry	
Acenaphthylene	---	U	106	ug/kg dry	
2,6-Dinitrotoluene	---	U	106	ug/kg dry	
3-Nitroaniline	---	U	106	ug/kg dry	
Acenaphthene	---	U	106	ug/kg dry	
2,4-Dinitrophenol	---	U J	352	ug/kg dry	
4-Nitrophenol	---	U L	106	ug/kg dry	
Dibenzofuran	---	U	106	ug/kg dry	
2,4-Dinitrotoluene	---	U	106	ug/kg dry	
2,3,4,6-Tetrachlorophenol	---	U L	106	ug/kg dry	
Fluorene	---	U	106	ug/kg dry	
Diethylphthalate	---	U	106	ug/kg dry	
4-Chlorophenyl-Phenylether	---	U	106	ug/kg dry	
4-Nitroaniline	---	U	106	ug/kg dry	
4,6-Dinitro-2-Methylphenol	---	U L	106	ug/kg dry	
N-Nitrosodiphenylamine	---	U	106	ug/kg dry	
4-Bromophenyl-Phenylether	---	U	106	ug/kg dry	

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SS-05-A				Sample ID: 1606029-05	
NVOA GCMS					
Hexachlorobenzene	---	U	106	ug/kg dry	
Atrazine	---	U	106	ug/kg dry	
Pentachlorophenol	---	U L	106	ug/kg dry	
Phenanthrene	145		106	ug/kg dry	
Anthracene	---	U	106	ug/kg dry	
Carbazole	---	U L	106	ug/kg dry	
Di-N-Butyl Phthalate	---	U L	106	ug/kg dry	
Fluoranthene	266	L	106	ug/kg dry	
Pyrene	248	L	106	ug/kg dry	
Butylbenzylphthalate	---	U L	106	ug/kg dry	
3,3'- Dichlorobenzidine	---	U L	106	ug/kg dry	
Benzo(A)Anthracene	126	L	106	ug/kg dry	
Chrysene	172	L	106	ug/kg dry	
Bis(2-Ethylhexyl)Phthalate	---	U L	106	ug/kg dry	
Di-N-Octyl Phthalate	---	U L	106	ug/kg dry	
Benzo(B)Fluoranthene	248	L	106	ug/kg dry	
Benzo(K)Fluoranthene	---	U L	106	ug/kg dry	
Benzo(A)Pyrene	---	U L	106	ug/kg dry	
Indeno(1,2,3-Cd)Pyrene	---	U L	106	ug/kg dry	
Dibenzo(A,H)Anthracene	---	U L	106	ug/kg dry	
Benzo(G,H,I)Perylene	---	U L	106	ug/kg dry	
HEPTADECANE	1590	NJ		ug/kg dry	
Hexadecane	2820	NJ		ug/kg dry	
Hexadecane, 2,6,10,14-tetra...	1770	NJ		ug/kg dry	
Octadecane	1480	NJ		ug/kg dry	
Pentadecane	4200	NJ		ug/kg dry	
Pentadecane, 2,6,10,14-tetr...	2460	NJ		ug/kg dry	

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SS-05-A				Sample ID: 1606029-05	
NVOA GCMS					
Tetrachloroethylene	2170	NJ		ug/kg dry	
Tetradecane	1490	NJ		ug/kg dry	
Undecane	1670	NJ		ug/kg dry	
PCB Aroclors GC					
Aroclor 1016	---	U J	33	ug/kg dry	
Aroclor 1221	---	U J	66	ug/kg dry	
Aroclor 1232	---	U J	33	ug/kg dry	
Aroclor 1242	---	U J	33	ug/kg dry	
Aroclor 1248	---	U J	33	ug/kg dry	
Aroclor 1254	---	U J	33	ug/kg dry	
Aroclor 1260	---	U J	33	ug/kg dry	
Aroclor 1262	---	U J	33	ug/kg dry	
Aroclor 1268	---	U J	33	ug/kg dry	
Metals ICP					
Aluminum	5400		8.3	mg/kg dry	
Antimony	2.3		1.7	mg/kg dry	
Arsenic	8.0		0.66	mg/kg dry	
Barium	37		8.3	mg/kg dry	
Beryllium	0.27		0.25	mg/kg dry	
Cadmium	0.47		0.25	mg/kg dry	
Calcium	1300		41	mg/kg dry	
Chromium	9.7		0.41	mg/kg dry	
Cobalt	5.2		1.7	mg/kg dry	
Copper	37		0.83	mg/kg dry	
Iron	16000		4.1	mg/kg dry	
Lead	90		0.66	mg/kg dry	

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SS-05-A				Sample ID: 1606029-05	
Metals ICP					
Magnesium	1700		41	mg/kg dry	
Manganese	290		0.41	mg/kg dry	
Nickel	13		1.7	mg/kg dry	
Potassium	340		41	mg/kg dry	
Selenium	---	U	1.7	mg/kg dry	
Silver	---	U	0.41	mg/kg dry	
Sodium	---	U	83	mg/kg dry	
Thallium	---	U	1.7	mg/kg dry	
Tin	5.3		0.83	mg/kg dry	
Vanadium	13		1.7	mg/kg dry	
Zinc	140		1.7	mg/kg dry	
Field ID: KR-SS-06-A				Sample ID: 1606029-06	
NVOA GCMS					
1,4-Dioxane	---	U	71.0	ug/kg dry	
Benzaldehyde	---	U L	106	ug/kg dry	
Phenol	---	U L	106	ug/kg dry	
Bis(2-Chloroethyl)Ether	---	U L	106	ug/kg dry	
2-Chlorophenol	---	U L	106	ug/kg dry	
2-Methylphenol	---	U L	106	ug/kg dry	
Bis(2-Chloroisopropyl)Ether	---	U L	106	ug/kg dry	
Acetophenone	---	U L	106	ug/kg dry	
4-Methylphenol	---	U L	106	ug/kg dry	
N-Nitroso-Di-N-Propylamine	---	U L	106	ug/kg dry	
Hexachloroethane	---	U L	106	ug/kg dry	
Nitrobenzene	---	U L	106	ug/kg dry	
Isophorone	---	U L	106	ug/kg dry	
2-Nitrophenol	---	U L	106	ug/kg dry	

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SS-06-A				Sample ID: 1606029-06	
NVOA GCMS					
2,4-Dimethylphenol	---	U L	106	ug/kg dry	
Bis(-2-Chloroethoxy)Methane	---	U L	106	ug/kg dry	
2,4-Dichlorophenol	---	U L	106	ug/kg dry	
Naphthalene	113	L	106	ug/kg dry	
4-Chloroaniline	---	U L	106	ug/kg dry	
Hexachlorobutadiene	---	U L	106	ug/kg dry	
Caprolactam	---	U L	106	ug/kg dry	
4-Chloro-3-Methylphenol	---	U L	106	ug/kg dry	
2-Methylnaphthalene	---	U L	106	ug/kg dry	
1,2,4,5-Tetrachlorobenzene	---	U L	106	ug/kg dry	
Hexachlorocyclopentadiene	---	U L	106	ug/kg dry	
2,4,6-Trichlorophenol	---	U L	106	ug/kg dry	
2,4,5-Trichlorophenol	---	U L	106	ug/kg dry	
Biphenyl	---	U L	106	ug/kg dry	
2-Chloronaphthalene	---	U L	106	ug/kg dry	
2-Nitroaniline	---	U L	106	ug/kg dry	
Dimethyl Phthalate	---	U L	106	ug/kg dry	
Acenaphthylene	---	U L	106	ug/kg dry	
2,6-Dinitrotoluene	---	U L	106	ug/kg dry	
3-Nitroaniline	---	U L	106	ug/kg dry	
Acenaphthene	---	U L	106	ug/kg dry	
2,4-Dinitrophenol	---	U J	353	ug/kg dry	
4-Nitrophenol	---	U L	106	ug/kg dry	
Dibenzofuran	---	U L	106	ug/kg dry	
2,4-Dinitrotoluene	---	U L	106	ug/kg dry	
2,3,4,6-Tetrachlorophenol	---	U L	106	ug/kg dry	
Fluorene	---	U L	106	ug/kg dry	
Diethylphthalate	---	U L	106	ug/kg dry	

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SS-06-A				Sample ID: 1606029-06	
NVOA GCMS					
4-Chlorophenyl-Phenylether	---	U L	106	ug/kg dry	
4-Nitroaniline	---	U L	106	ug/kg dry	
4,6-Dinitro-2-Methylphenol	---	U L	106	ug/kg dry	
N-Nitrosodiphenylamine	---	U L	106	ug/kg dry	
4-Bromophenyl-Phenylether	---	U L	106	ug/kg dry	
Hexachlorobenzene	---	U L	106	ug/kg dry	
Atrazine	---	U L	106	ug/kg dry	
Pentachlorophenol	---	U L	106	ug/kg dry	
Phenanthrene	---	U L	106	ug/kg dry	
Anthracene	---	U L	106	ug/kg dry	
Carbazole	---	U L	106	ug/kg dry	
Di-N-Butyl Phthalate	---	U L	106	ug/kg dry	
Fluoranthene	---	U L	106	ug/kg dry	
Pyrene	---	U L	106	ug/kg dry	
Butylbenzylphthalate	---	U L	106	ug/kg dry	
3,3'- Dichlorobenzidine	---	U L	106	ug/kg dry	
Benzo(A)Anthracene	---	U L	106	ug/kg dry	
Chrysene	---	U L	106	ug/kg dry	
Bis(2-Ethylhexyl)Phthalate	---	U L	106	ug/kg dry	
Di-N-Octyl Phthalate	---	U L	106	ug/kg dry	
Benzo(B)Fluoranthene	---	U L	106	ug/kg dry	
Benzo(K)Fluoranthene	---	U L	106	ug/kg dry	
Benzo(A)Pyrene	---	U L	106	ug/kg dry	
Indeno(1,2,3-Cd)Pyrene	---	U L	106	ug/kg dry	
Dibenzo(A,H)Anthracene	---	U L	106	ug/kg dry	
Benzo(G,H,I)Perylene	---	U L	106	ug/kg dry	
Eicosane	454	NJ		ug/kg dry	
HEPTADECANE	443	NJ		ug/kg dry	

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Field ID: KR-SS-06-A				Sample ID: 1606029-06	
NVOA GCMS					
Hexadecane (01)	583	NJ		ug/kg dry	
Hexadecane, 2,6,10,14-tetra...	604	NJ		ug/kg dry	
Pentadecane	904	NJ		ug/kg dry	
Pentadecane, 2,6,10,14-tetr...	1210	NJ		ug/kg dry	
Pentadecane, 2,6,10-trimethyl-	783	NJ		ug/kg dry	
Tetrachloroethylene	6930	NJ		ug/kg dry	
Tetradecane	487	NJ		ug/kg dry	
PCB Aroclors GC					
Aroclor 1016	---	U J	33	ug/kg dry	
Aroclor 1221	---	U J	66	ug/kg dry	
Aroclor 1232	---	U J	33	ug/kg dry	
Aroclor 1242	---	U J	33	ug/kg dry	
Aroclor 1248	---	U J	33	ug/kg dry	
Aroclor 1254	---	U J	33	ug/kg dry	
Aroclor 1260	---	U J	33	ug/kg dry	
Aroclor 1262	---	U J	33	ug/kg dry	
Aroclor 1268	---	U J	33	ug/kg dry	
Metals ICP					
Aluminum	5500		8.3	mg/kg dry	
Antimony	3.4		1.7	mg/kg dry	
Arsenic	9.7		0.66	mg/kg dry	
Barium	56		8.3	mg/kg dry	
Beryllium	0.31		0.25	mg/kg dry	
Cadmium	0.72		0.25	mg/kg dry	
Calcium	4300		41	mg/kg dry	
Chromium	14		0.41	mg/kg dry	

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Field ID: KR-SS-06-A				Sample ID: 1606029-06	
Metals ICP					
Cobalt	6.4		1.7	mg/kg dry	
Copper	72		0.83	mg/kg dry	
Iron	22000		4.1	mg/kg dry	
Lead	170		0.66	mg/kg dry	
Magnesium	1800		41	mg/kg dry	
Manganese	380		0.41	mg/kg dry	
Nickel	18		1.7	mg/kg dry	
Potassium	430		41	mg/kg dry	
Selenium	---	U	1.7	mg/kg dry	
Silver	---	U	0.41	mg/kg dry	
Sodium	---	U	83	mg/kg dry	
Thallium	---	U	1.7	mg/kg dry	
Tin	8.7		0.83	mg/kg dry	
Vanadium	13		1.7	mg/kg dry	
Zinc	310		1.7	mg/kg dry	
Field ID: KR-SS-07-A				Sample ID: 1606029-07	
NVOA GCMS					
1,4-Dioxane	---	U	72.5	ug/kg dry	
Benzaldehyde	154		108	ug/kg dry	
Phenol	---	U	108	ug/kg dry	
Bis(2-Chloroethyl)Ether	---	U	108	ug/kg dry	
2-Chlorophenol	---	U	108	ug/kg dry	
2-Methylphenol	---	U	108	ug/kg dry	
Bis(2-Chloroisopropyl)Ether	---	U	108	ug/kg dry	
Acetophenone	---	U	108	ug/kg dry	
4-Methylphenol	---	U	108	ug/kg dry	

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SS-07-A				Sample ID: 1606029-07	
NVOA GCMS					
N-Nitroso-Di-N-Propylamine	---	U	108	ug/kg dry	
Hexachloroethane	---	U	108	ug/kg dry	
Nitrobenzene	---	U	108	ug/kg dry	
Isophorone	---	U	108	ug/kg dry	
2-Nitrophenol	---	U	108	ug/kg dry	
2,4-Dimethylphenol	---	U	108	ug/kg dry	
Bis(-2-Chloroethoxy)Methane	---	U	108	ug/kg dry	
2,4-Dichlorophenol	---	U	108	ug/kg dry	
Naphthalene	564		108	ug/kg dry	
4-Chloroaniline	---	U	108	ug/kg dry	
Hexachlorobutadiene	---	U	108	ug/kg dry	
Caprolactam	---	U	108	ug/kg dry	
4-Chloro-3-Methylphenol	---	U	108	ug/kg dry	
2-Methylnaphthalene	548		108	ug/kg dry	
1,2,4,5-Tetrachlorobenzene	---	U	108	ug/kg dry	
Hexachlorocyclopentadiene	---	U	108	ug/kg dry	
2,4,6-Trichlorophenol	---	U	108	ug/kg dry	
2,4,5-Trichlorophenol	---	U	108	ug/kg dry	
Biphenyl	---	U	108	ug/kg dry	
2-Chloronaphthalene	---	U	108	ug/kg dry	
2-Nitroaniline	---	U	108	ug/kg dry	
Dimethyl Phthalate	---	U	108	ug/kg dry	
Acenaphthylene	1140		108	ug/kg dry	
2,6-Dinitrotoluene	---	U	108	ug/kg dry	
3-Nitroaniline	---	U	108	ug/kg dry	
Acenaphthene	---	U	108	ug/kg dry	
2,4-Dinitrophenol	---	U J	361	ug/kg dry	
4-Nitrophenol	---	U	108	ug/kg dry	

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SS-07-A				Sample ID: 1606029-07	
NVOA GCMS					
Dibenzofuran	290		108	ug/kg dry	
2,4-Dinitrotoluene	---	U	108	ug/kg dry	
2,3,4,6-Tetrachlorophenol	---	U	108	ug/kg dry	
Fluorene	---	U	108	ug/kg dry	
Diethylphthalate	---	U	108	ug/kg dry	
4-Chlorophenyl-Phenylether	---	U	108	ug/kg dry	
4-Nitroaniline	---	U	108	ug/kg dry	
4,6-Dinitro-2-Methylphenol	---	U	108	ug/kg dry	
N-Nitrosodiphenylamine	---	U	108	ug/kg dry	
4-Bromophenyl-Phenylether	---	U	108	ug/kg dry	
Hexachlorobenzene	---	U	108	ug/kg dry	
Atrazine	---	U	108	ug/kg dry	
Pentachlorophenol	---	U	108	ug/kg dry	
Phenanthrene	1120		108	ug/kg dry	
Anthracene	795		108	ug/kg dry	
Carbazole	268		108	ug/kg dry	
Di-N-Butyl Phthalate	---	U	108	ug/kg dry	
Fluoranthene	4490		541	ug/kg dry	
Pyrene	3870		541	ug/kg dry	
Butylbenzylphthalate	---	U	108	ug/kg dry	
3,3'- Dichlorobenzidine	---	U	108	ug/kg dry	
Benzo(A)Anthracene	3380		108	ug/kg dry	
Chrysene	3590		108	ug/kg dry	
Bis(2-Ethylhexyl)Phthalate	560		108	ug/kg dry	
Di-N-Octyl Phthalate	---	U	108	ug/kg dry	
Benzo(B)Fluoranthene	6540		541	ug/kg dry	
Benzo(K)Fluoranthene	1470		108	ug/kg dry	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SS-07-A				Sample ID: 1606029-07	
NVOA GCMS					
Benzo(A)Pyrene	2610		108	ug/kg dry	
Indeno(1,2,3-Cd)Pyrene	1350		108	ug/kg dry	
Dibenzo(A,H)Anthracene	374		108	ug/kg dry	
Benzo(G,H,I)Perylene	969		108	ug/kg dry	
11H-Benzo[a]fluoren-11-one	1850	NJ		ug/kg dry	
Benz[a]anthracene, 7-methyl-	1420	NJ		ug/kg dry	
Benzenesulfonamide, N-butyl-	1330	NJ		ug/kg dry	
di-p-Tolylacetylene	1010	NJ		ug/kg dry	
HENTRIACONTANE	1020	NJ		ug/kg dry	
Naphthalene, 1-methyl-	1000	NJ		ug/kg dry	
Naphthalene, 2,3-dimethyl-	974	NJ		ug/kg dry	
Pentadecane, 2,6,10,14-tetr...	1210	NJ		ug/kg dry	
PCB Aroclors GC					
Aroclor 1016	---	U J	34	ug/kg dry	
Aroclor 1221	---	U J	67	ug/kg dry	
Aroclor 1232	---	U J	34	ug/kg dry	
Aroclor 1242	---	U J	34	ug/kg dry	
Aroclor 1248	---	U J	34	ug/kg dry	
Aroclor 1254	---	U J	34	ug/kg dry	
Aroclor 1260	---	U J	34	ug/kg dry	
Aroclor 1262	---	U J	34	ug/kg dry	
Aroclor 1268	---	U J	34	ug/kg dry	
Metals ICP					
Aluminum	5600		8.3	mg/kg dry	
Antimony	4.6		1.7	mg/kg dry	
Arsenic	10		0.66	mg/kg dry	

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Field ID: KR-SS-07-A				Sample ID: 1606029-07	
Metals ICP					
Barium	59		8.3	mg/kg dry	
Beryllium	0.34		0.25	mg/kg dry	
Cadmium	0.64		0.25	mg/kg dry	
Calcium	3700		41	mg/kg dry	
Chromium	15		0.41	mg/kg dry	
Cobalt	6.5		1.7	mg/kg dry	
Copper	100		0.83	mg/kg dry	
Iron	28000		4.1	mg/kg dry	
Lead	170		0.66	mg/kg dry	
Magnesium	1500		41	mg/kg dry	
Manganese	370		0.41	mg/kg dry	
Nickel	18		1.7	mg/kg dry	
Potassium	410		41	mg/kg dry	
Selenium	---	U	1.7	mg/kg dry	
Silver	---	U	0.41	mg/kg dry	
Sodium	---	U	83	mg/kg dry	
Thallium	---	U	1.7	mg/kg dry	
Tin	16		0.83	mg/kg dry	
Vanadium	16		1.7	mg/kg dry	
Zinc	84		1.7	mg/kg dry	
Field ID: KR-SS-08-A				Sample ID: 1606029-08	
NVOA GCMS					
1,4-Dioxane	---	U	74.9	ug/kg dry	
Benzaldehyde	162		112	ug/kg dry	
Phenol	---	U	112	ug/kg dry	
Bis(2-Chloroethyl)Ether	---	U	112	ug/kg dry	

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SS-08-A				Sample ID: 1606029-08	
NVOA GCMS					
2-Chlorophenol	---	U	112	ug/kg dry	
2-Methylphenol	---	U	112	ug/kg dry	
Bis(2-Chloroisopropyl)Ether	---	U	112	ug/kg dry	
Acetophenone	---	U	112	ug/kg dry	
4-Methylphenol	---	U	112	ug/kg dry	
N-Nitroso-Di-N-Propylamine	---	U	112	ug/kg dry	
Hexachloroethane	---	U	112	ug/kg dry	
Nitrobenzene	---	U	112	ug/kg dry	
Isophorone	---	U	112	ug/kg dry	
2-Nitrophenol	---	U	112	ug/kg dry	
2,4-Dimethylphenol	---	U	112	ug/kg dry	
Bis(-2-Chloroethoxy)Methane	---	U	112	ug/kg dry	
2,4-Dichlorophenol	---	U	112	ug/kg dry	
Naphthalene	333		112	ug/kg dry	
4-Chloroaniline	---	U	112	ug/kg dry	
Hexachlorobutadiene	---	U	112	ug/kg dry	
Caprolactam	---	U	112	ug/kg dry	
4-Chloro-3-Methylphenol	---	U	112	ug/kg dry	
2-Methylnaphthalene	352		112	ug/kg dry	
1,2,4,5-Tetrachlorobenzene	---	U	112	ug/kg dry	
Hexachlorocyclopentadiene	---	U L	112	ug/kg dry	
2,4,6-Trichlorophenol	---	U	112	ug/kg dry	
2,4,5-Trichlorophenol	---	U	112	ug/kg dry	
Biphenyl	---	U	112	ug/kg dry	
2-Chloronaphthalene	---	U	112	ug/kg dry	
2-Nitroaniline	---	U	112	ug/kg dry	
Dimethyl Phthalate	---	U	112	ug/kg dry	
Acenaphthylene	466		112	ug/kg dry	

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SS-08-A				Sample ID: 1606029-08	
NVOA GCMS					
2,6-Dinitrotoluene	---	U	112	ug/kg dry	
3-Nitroaniline	---	U	112	ug/kg dry	
Acenaphthene	---	U	112	ug/kg dry	
2,4-Dinitrophenol	---	U J	372	ug/kg dry	
4-Nitrophenol	---	U	112	ug/kg dry	
Dibenzofuran	126		112	ug/kg dry	
2,4-Dinitrotoluene	---	U	112	ug/kg dry	
2,3,4,6-Tetrachlorophenol	---	U	112	ug/kg dry	
Fluorene	---	U	112	ug/kg dry	
Diethylphthalate	---	U	112	ug/kg dry	
4-Chlorophenyl-Phenylether	---	U	112	ug/kg dry	
4-Nitroaniline	---	U	112	ug/kg dry	
4,6-Dinitro-2-Methylphenol	---	U L	112	ug/kg dry	
N-Nitrosodiphenylamine	---	U	112	ug/kg dry	
4-Bromophenyl-Phenylether	---	U	112	ug/kg dry	
Hexachlorobenzene	---	U	112	ug/kg dry	
Atrazine	---	U	112	ug/kg dry	
Pentachlorophenol	---	U	112	ug/kg dry	
Phenanthrene	477		112	ug/kg dry	
Anthracene	310		112	ug/kg dry	
Carbazole	---	U	112	ug/kg dry	
Di-N-Butyl Phthalate	---	U	112	ug/kg dry	
Fluoranthene	1580		112	ug/kg dry	
Pyrene	1410		112	ug/kg dry	
Butylbenzylphthalate	---	U	112	ug/kg dry	
3,3'- Dichlorobenzidine	---	U	112	ug/kg dry	
Benzo(A)Anthracene	1260		112	ug/kg dry	
Chrysene	1250		112	ug/kg dry	

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Field ID: KR-SS-08-A				Sample ID: 1606029-08	
NVOA GCMS					
Bis(2-Ethylhexyl)Phthalate	---	U	112	ug/kg dry	
Di-N-Octyl Phthalate	---	U	112	ug/kg dry	
Benzo(B)Fluoranthene	2050		112	ug/kg dry	
Benzo(K)Fluoranthene	759		112	ug/kg dry	
Benzo(A)Pyrene	1120		112	ug/kg dry	
Indeno(1,2,3-Cd)Pyrene	595		112	ug/kg dry	
Dibenzo(A,H)Anthracene	144		112	ug/kg dry	
Benzo(G,H,I)Perylene	438		112	ug/kg dry	
11H-Benzo[a]fluoren-11-one	704	NJ		ug/kg dry	
Benz[a]anthracene, 7-methyl-	896	NJ		ug/kg dry	
Naphthalene, 2,3-dimethyl-	549	NJ		ug/kg dry	
Naphthalene, 2-methyl-	603	NJ		ug/kg dry	
Pentadecane, 2,6,10,14-tetr...	847	NJ		ug/kg dry	
Phenanthrene, 2,5-dimethyl-	567	NJ		ug/kg dry	
Phenanthrene, 2-methyl-	466	NJ		ug/kg dry	
Triphenylene, 2-methyl-	472	NJ		ug/kg dry	
PCB Aroclors GC					
Aroclor 1016	---	U J	35	ug/kg dry	
Aroclor 1221	---	U J	69	ug/kg dry	
Aroclor 1232	---	U J	35	ug/kg dry	
Aroclor 1242	---	U J	35	ug/kg dry	
Aroclor 1248	---	U J	35	ug/kg dry	
Aroclor 1254	---	U J	35	ug/kg dry	
Aroclor 1260	---	U J	35	ug/kg dry	
Aroclor 1262	---	U J	35	ug/kg dry	
Aroclor 1268	---	U J	35	ug/kg dry	

Final Report

Project: Kingston Rail Yard - 1606029

Project Number: 1606029

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SS-08-A				Sample ID: 1606029-08	
Metals ICP					
Aluminum	4600		8.3	mg/kg dry	
Antimony	5.1		1.7	mg/kg dry	
Arsenic	13		0.66	mg/kg dry	
Barium	62		8.3	mg/kg dry	
Beryllium	0.33		0.25	mg/kg dry	
Cadmium	0.95		0.25	mg/kg dry	
Calcium	4700		41	mg/kg dry	
Chromium	17		0.41	mg/kg dry	
Cobalt	7.0		1.7	mg/kg dry	
Copper	100		0.83	mg/kg dry	
Iron	49000		21	mg/kg dry	
Lead	180		0.66	mg/kg dry	
Magnesium	1400		41	mg/kg dry	
Manganese	390		0.41	mg/kg dry	
Nickel	21		1.7	mg/kg dry	
Potassium	380		41	mg/kg dry	
Selenium	---	U	1.7	mg/kg dry	
Silver	---	U	0.41	mg/kg dry	
Sodium	---	U	83	mg/kg dry	
Thallium	---	U	1.7	mg/kg dry	
Tin	13		0.83	mg/kg dry	
Vanadium	14		1.7	mg/kg dry	
Zinc	84		1.7	mg/kg dry	
Field ID: KR-SS-10-A				Sample ID: 1606029-09	
NVOA GCMS					
1,4-Dioxane	---	U	68.8	ug/kg dry	

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SS-10-A				Sample ID: 1606029-09	
NVOA GCMS					
Benzaldehyde	---	U	103	ug/kg dry	
Phenol	---	U	103	ug/kg dry	
Bis(2-Chloroethyl)Ether	---	U	103	ug/kg dry	
2-Chlorophenol	---	U	103	ug/kg dry	
2-Methylphenol	---	U	103	ug/kg dry	
Bis(2-Chloroisopropyl)Ether	---	U	103	ug/kg dry	
Acetophenone	---	U	103	ug/kg dry	
4-Methylphenol	---	U	103	ug/kg dry	
N-Nitroso-Di-N-Propylamine	---	U	103	ug/kg dry	
Hexachloroethane	---	U	103	ug/kg dry	
Nitrobenzene	---	U	103	ug/kg dry	
Isophorone	---	U	103	ug/kg dry	
2-Nitrophenol	---	U	103	ug/kg dry	
2,4-Dimethylphenol	---	U	103	ug/kg dry	
Bis(-2-Chloroethoxy)Methane	---	U	103	ug/kg dry	
2,4-Dichlorophenol	---	U	103	ug/kg dry	
Naphthalene	---	U	103	ug/kg dry	
4-Chloroaniline	---	U	103	ug/kg dry	
Hexachlorobutadiene	---	U	103	ug/kg dry	
Caprolactam	---	U	103	ug/kg dry	
4-Chloro-3-Methylphenol	---	U	103	ug/kg dry	
2-Methylnaphthalene	---	U	103	ug/kg dry	
1,2,4,5-Tetrachlorobenzene	---	U	103	ug/kg dry	
Hexachlorocyclopentadiene	---	U L	103	ug/kg dry	
2,4,6-Trichlorophenol	---	U	103	ug/kg dry	
2,4,5-Trichlorophenol	---	U	103	ug/kg dry	
Biphenyl	---	U	103	ug/kg dry	
2-Chloronaphthalene	---	U	103	ug/kg dry	

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SS-10-A				Sample ID: 1606029-09	
NVOA GCMS					
2-Nitroaniline	---	U	103	ug/kg dry	
Dimethyl Phthalate	---	U	103	ug/kg dry	
Acenaphthylene	---	U	103	ug/kg dry	
2,6-Dinitrotoluene	---	U	103	ug/kg dry	
3-Nitroaniline	---	U	103	ug/kg dry	
Acenaphthene	---	U	103	ug/kg dry	
2,4-Dinitrophenol	---	U J	342	ug/kg dry	
4-Nitrophenol	---	U	103	ug/kg dry	
Dibenzofuran	---	U	103	ug/kg dry	
2,4-Dinitrotoluene	---	U	103	ug/kg dry	
2,3,4,6-Tetrachlorophenol	---	U	103	ug/kg dry	
Fluorene	---	U	103	ug/kg dry	
Diethylphthalate	---	U	103	ug/kg dry	
4-Chlorophenyl-Phenylether	---	U	103	ug/kg dry	
4-Nitroaniline	---	U	103	ug/kg dry	
4,6-Dinitro-2-Methylphenol	---	U L	103	ug/kg dry	
N-Nitrosodiphenylamine	---	U	103	ug/kg dry	
4-Bromophenyl-Phenylether	---	U	103	ug/kg dry	
Hexachlorobenzene	---	U	103	ug/kg dry	
Atrazine	---	U	103	ug/kg dry	
Pentachlorophenol	---	U	103	ug/kg dry	
Phenanthrene	---	U	103	ug/kg dry	
Anthracene	---	U	103	ug/kg dry	
Carbazole	---	U	103	ug/kg dry	
Di-N-Butyl Phthalate	---	U	103	ug/kg dry	
Fluoranthene	186		103	ug/kg dry	
Pyrene	146		103	ug/kg dry	
Butylbenzylphthalate	---	U	103	ug/kg dry	

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SS-10-A				Sample ID: 1606029-09	
NVOA GCMS					
3,3'- Dichlorobenzidine	---	U	103	ug/kg dry	
Benzo(A)Anthracene	---	U	103	ug/kg dry	
Chrysene	---	U	103	ug/kg dry	
Bis(2-Ethylhexyl)Phthalate	1600	K	103	ug/kg dry	
Di-N-Octyl Phthalate	---	U	103	ug/kg dry	
Benzo(B)Fluoranthene	---	U	103	ug/kg dry	
Benzo(K)Fluoranthene	---	U	103	ug/kg dry	
Benzo(A)Pyrene	---	U	103	ug/kg dry	
Indeno(1,2,3-Cd)Pyrene	---	U	103	ug/kg dry	
Dibenzo(A,H)Anthracene	---	U	103	ug/kg dry	
Benzo(G,H,I)Perylene	---	U	103	ug/kg dry	
1-Hexanol, 2-ethyl-	4160	NJ		ug/kg dry	
PCB Aroclors GC					
Aroclor 1016	---	U J	32	ug/kg dry	
Aroclor 1221	---	U J	64	ug/kg dry	
Aroclor 1232	---	U J	32	ug/kg dry	
Aroclor 1242	---	U J	32	ug/kg dry	
Aroclor 1248	---	U J	32	ug/kg dry	
Aroclor 1254	---	U J	32	ug/kg dry	
Aroclor 1260	---	U J	32	ug/kg dry	
Aroclor 1262	---	U J	32	ug/kg dry	
Aroclor 1268	---	U J	32	ug/kg dry	
Metals ICP					
Aluminum	5700		8.3	mg/kg dry	
Antimony	---	U	1.7	mg/kg dry	
Arsenic	4.6		0.66	mg/kg dry	
Barium	22		8.3	mg/kg dry	
Beryllium	---	U	0.25	mg/kg dry	

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SS-10-A				Sample ID: 1606029-09	
Metals ICP					
Cadmium	---	U	0.25	mg/kg dry	
Calcium	17000		41	mg/kg dry	
Chromium	8.1		0.41	mg/kg dry	
Cobalt	5.1		1.7	mg/kg dry	
Copper	13		0.83	mg/kg dry	
Iron	12000		4.1	mg/kg dry	
Lead	10		0.66	mg/kg dry	
Magnesium	2200		41	mg/kg dry	
Manganese	330		0.41	mg/kg dry	
Nickel	13		1.7	mg/kg dry	
Potassium	360		41	mg/kg dry	
Selenium	---	U	1.7	mg/kg dry	
Silver	---	U	0.41	mg/kg dry	
Sodium	---	U	83	mg/kg dry	
Thallium	---	U	1.7	mg/kg dry	
Tin	---	U	0.83	mg/kg dry	
Vanadium	9.1		1.7	mg/kg dry	
Zinc	37		1.7	mg/kg dry	
Field ID: KR-SS-11-A				Sample ID: 1606029-10	
NVOA GCMS					
1,4-Dioxane	---	U	71.6	ug/kg dry	
Benzaldehyde	---	U	107	ug/kg dry	
Phenol	---	U	107	ug/kg dry	
Bis(2-Chloroethyl)Ether	---	U	107	ug/kg dry	
2-Chlorophenol	---	U	107	ug/kg dry	
2-Methylphenol	---	U	107	ug/kg dry	

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SS-11-A				Sample ID: 1606029-10	
NVOA GCMS					
Bis(2-Chloroisopropyl)Ether	---	U	107	ug/kg dry	
Acetophenone	---	U	107	ug/kg dry	
4-Methylphenol	---	U	107	ug/kg dry	
N-Nitroso-Di-N-Propylamine	---	U	107	ug/kg dry	
Hexachloroethane	---	U	107	ug/kg dry	
Nitrobenzene	---	U	107	ug/kg dry	
Isophorone	---	U	107	ug/kg dry	
2-Nitrophenol	---	U	107	ug/kg dry	
2,4-Dimethylphenol	---	U	107	ug/kg dry	
Bis(-2-Chloroethoxy)Methane	---	U	107	ug/kg dry	
2,4-Dichlorophenol	---	U	107	ug/kg dry	
Naphthalene	491		107	ug/kg dry	
4-Chloroaniline	---	U	107	ug/kg dry	
Hexachlorobutadiene	---	U	107	ug/kg dry	
Caprolactam	---	U	107	ug/kg dry	
4-Chloro-3-Methylphenol	---	U	107	ug/kg dry	
2-Methylnaphthalene	315		107	ug/kg dry	
1,2,4,5-Tetrachlorobenzene	---	U	107	ug/kg dry	
Hexachlorocyclopentadiene	---	U	107	ug/kg dry	
2,4,6-Trichlorophenol	---	U	107	ug/kg dry	
2,4,5-Trichlorophenol	---	U	107	ug/kg dry	
Biphenyl	---	U	107	ug/kg dry	
2-Chloronaphthalene	---	U	107	ug/kg dry	
2-Nitroaniline	---	U	107	ug/kg dry	
Dimethyl Phthalate	---	U	107	ug/kg dry	
Acenaphthylene	---	U	107	ug/kg dry	
2,6-Dinitrotoluene	---	U	107	ug/kg dry	
3-Nitroaniline	---	U	107	ug/kg dry	

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SS-11-A				Sample ID: 1606029-10	
NVOA GCMS					
Acenaphthene	---	U	107	ug/kg dry	
2,4-Dinitrophenol	---	U J	356	ug/kg dry	
4-Nitrophenol	---	U	107	ug/kg dry	
Dibenzofuran	---	U	107	ug/kg dry	
2,4-Dinitrotoluene	---	U	107	ug/kg dry	
2,3,4,6-Tetrachlorophenol	---	U	107	ug/kg dry	
Fluorene	---	U	107	ug/kg dry	
Diethylphthalate	---	U	107	ug/kg dry	
4-Chlorophenyl-Phenylether	---	U	107	ug/kg dry	
4-Nitroaniline	---	U	107	ug/kg dry	
4,6-Dinitro-2-Methylphenol	---	U	107	ug/kg dry	
N-Nitrosodiphenylamine	---	U	107	ug/kg dry	
4-Bromophenyl-Phenylether	---	U	107	ug/kg dry	
Hexachlorobenzene	---	U	107	ug/kg dry	
Atrazine	---	U	107	ug/kg dry	
Pentachlorophenol	---	U	107	ug/kg dry	
Phenanthrene	---	U	107	ug/kg dry	
Anthracene	---	U	107	ug/kg dry	
Carbazole	---	U	107	ug/kg dry	
Di-N-Butyl Phthalate	---	U	107	ug/kg dry	
Fluoranthene	---	U	107	ug/kg dry	
Pyrene	---	U	107	ug/kg dry	
Butylbenzylphthalate	---	U	107	ug/kg dry	
3,3'- Dichlorobenzidine	---	U	107	ug/kg dry	
Benzo(A)Anthracene	---	U	107	ug/kg dry	
Chrysene	---	U	107	ug/kg dry	
Bis(2-Ethylhexyl)Phthalate	656		107	ug/kg dry	
Di-N-Octyl Phthalate	---	U	107	ug/kg dry	

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SS-11-A				Sample ID: 1606029-10	
NVOA GCMS					
Benzo(B)Fluoranthene	---	U	107	ug/kg dry	
Benzo(K)Fluoranthene	---	U	107	ug/kg dry	
Benzo(A)Pyrene	---	U	107	ug/kg dry	
Indeno(1,2,3-Cd)Pyrene	---	U	107	ug/kg dry	
Dibenzo(A,H)Anthracene	---	U	107	ug/kg dry	
Benzo(G,H,I)Perylene	---	U	107	ug/kg dry	
Benzenesulfonamide, N-butyl-	2010	NJ		ug/kg dry	
Dodecane	2910	NJ		ug/kg dry	
Dodecane, 2,6,10-trimethyl-	4130	NJ		ug/kg dry	
Dodecane, 4-methyl-	9800	NJ		ug/kg dry	
Hexadecane (02)	4080	NJ		ug/kg dry	
Octacosane	2120	NJ		ug/kg dry	
Pentadecane	2980	NJ		ug/kg dry	
Pentadecane, 2,6,10,14-tetr...	5890	NJ		ug/kg dry	
Tetradecane	2890	NJ		ug/kg dry	
PCB Aroclors GC					
Aroclor 1016	---	U J	34	ug/kg dry	
Aroclor 1221	---	U J	68	ug/kg dry	
Aroclor 1232	---	U J	34	ug/kg dry	
Aroclor 1242	---	U J	34	ug/kg dry	
Aroclor 1248	---	U J	34	ug/kg dry	
Aroclor 1254	---	U J	34	ug/kg dry	
Aroclor 1260	---	U J	34	ug/kg dry	
Aroclor 1262	---	U J	34	ug/kg dry	
Aroclor 1268	---	U J	34	ug/kg dry	

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SS-11-A				Sample ID: 1606029-10	
Metals ICP					
Aluminum	4900		8.4	mg/kg dry	
Antimony	4.8		1.7	mg/kg dry	
Arsenic	12		0.67	mg/kg dry	
Barium	46		8.4	mg/kg dry	
Beryllium	0.26		0.25	mg/kg dry	
Cadmium	1.3		0.25	mg/kg dry	
Calcium	1900		42	mg/kg dry	
Chromium	14		0.42	mg/kg dry	
Cobalt	6.0		1.7	mg/kg dry	
Copper	97		0.84	mg/kg dry	
Iron	22000		4.2	mg/kg dry	
Lead	140		0.67	mg/kg dry	
Magnesium	1400		42	mg/kg dry	
Manganese	350		0.42	mg/kg dry	
Nickel	14		1.7	mg/kg dry	
Potassium	370		42	mg/kg dry	
Selenium	---	U	1.7	mg/kg dry	
Silver	---	U	0.42	mg/kg dry	
Sodium	110		84	mg/kg dry	
Thallium	---	U	1.7	mg/kg dry	
Tin	11		0.84	mg/kg dry	
Vanadium	12		1.7	mg/kg dry	
Zinc	75		1.7	mg/kg dry	
Field ID: KR-SB-01-A				Sample ID: 1606029-11	
VOA GCMS					
Dichlorodifluoromethane	---	U	4.9	ug/kg dry	

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SB-01-A				Sample ID: 1606029-11	
VOA GCMS					
Chloromethane	---	U	4.9	ug/kg dry	
Vinyl Chloride	---	U	4.9	ug/kg dry	
Bromomethane	---	U J	130	ug/kg dry	
Chloroethane	---	U	4.9	ug/kg dry	
Trichlorofluoromethane	---	U	4.9	ug/kg dry	
1,1-Dichloroethene	---	U	4.9	ug/kg dry	
1,1,2-Trichloro-1,2,2-Trifluoroethane	---	U	4.9	ug/kg dry	
Carbon Disulfide	---	U	4.9	ug/kg dry	
Acetone	---	U J	9.8	ug/kg dry	
Methyl Acetate	5.7	J	4.9	ug/kg dry	
Methylene Chloride	---	U	4.9	ug/kg dry	
trans-1,2-Dichloroethene	---	U	4.9	ug/kg dry	
cis-1,2-Dichloroethene	---	U	4.9	ug/kg dry	
Methyl tert-Butyl Ether	---	U L	4.9	ug/kg dry	
1,1-Dichloroethane	---	U	4.9	ug/kg dry	
2-Butanone	---	U	9.8	ug/kg dry	
Bromochloromethane	---	U	4.9	ug/kg dry	
Chloroform	---	U	4.9	ug/kg dry	
1,2-Dichloroethane	---	U	4.9	ug/kg dry	
1,1,1-Trichloroethane	---	U	4.9	ug/kg dry	
Cyclohexane	---	U	4.9	ug/kg dry	
Carbon Tetrachloride	---	U	4.9	ug/kg dry	
Benzene	---	U	4.9	ug/kg dry	
Trichloroethene	---	U	4.9	ug/kg dry	
Methylcyclohexane	---	U	4.9	ug/kg dry	
1,2-Dichloropropane	---	U J	4.9	ug/kg dry	
Bromodichloromethane	---	U	4.9	ug/kg dry	
cis-1,3-Dichloropropene	---	U	9.8	ug/kg dry	

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SB-01-A				Sample ID: 1606029-11	
VOA GCMS					
trans-1,3-Dichloropropene	---	U	4.9	ug/kg dry	
1,1,2-Trichloroethane	---	U	4.9	ug/kg dry	
Dibromochloromethane	---	U	4.9	ug/kg dry	
Bromoform	---	U	4.9	ug/kg dry	
4-Methyl-2-Pentanone	---	U	9.8	ug/kg dry	
Toluene	---	U	4.9	ug/kg dry	
Tetrachloroethene	6.5		4.9	ug/kg dry	
2-Hexanone	---	U	95	ug/kg dry	
1,2-Dibromoethane	---	U	4.9	ug/kg dry	
Chlorobenzene	---	U	4.9	ug/kg dry	
Ethylbenzene	---	U	4.9	ug/kg dry	
m/p-Xylene	---	U	4.9	ug/kg dry	
o-Xylene	---	U	4.9	ug/kg dry	
Styrene	---	U	4.9	ug/kg dry	
Isopropylbenzene	---	U	4.9	ug/kg dry	
1,1,2,2-Tetrachloroethane	---	U	4.9	ug/kg dry	
1,3-Dichlorobenzene	---	U	4.9	ug/kg dry	
1,4-Dichlorobenzene	---	U	4.9	ug/kg dry	
1,2-Dichlorobenzene	---	U	4.9	ug/kg dry	
1,2-Dibromo-3-Chloropropane	---	U	4.9	ug/kg dry	
1,2,4-Trichlorobenzene	---	U	4.9	ug/kg dry	
1,2,3-Trichlorobenzene	---	U	4.9	ug/kg dry	
Benzene, 1-methyl-2-(1-meth...	250	NJ		ug/kg dry	
Dodecane, 6-methyl-	490	NJ		ug/kg dry	
Tridecane	430	NJ		ug/kg dry	
Undecane (01)	1200	NJ		ug/kg dry	

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SB-01-A				Sample ID: 1606029-11	
NVOA GCMS					
1,4-Dioxane	---	U	69.6	ug/kg dry	
Benzaldehyde	---	U	104	ug/kg dry	
Phenol	---	U	104	ug/kg dry	
Bis(2-Chloroethyl)Ether	---	U	104	ug/kg dry	
2-Chlorophenol	---	U	104	ug/kg dry	
2-Methylphenol	---	U	104	ug/kg dry	
Bis(2-Chloroisopropyl)Ether	---	U	104	ug/kg dry	
Acetophenone	---	U	104	ug/kg dry	
4-Methylphenol	---	U	104	ug/kg dry	
N-Nitroso-Di-N-Propylamine	---	U	104	ug/kg dry	
Hexachloroethane	---	U	104	ug/kg dry	
Nitrobenzene	---	U	104	ug/kg dry	
Isophorone	---	U	104	ug/kg dry	
2-Nitrophenol	---	U	104	ug/kg dry	
2,4-Dimethylphenol	---	U	104	ug/kg dry	
Bis(-2-Chloroethoxy)Methane	---	U	104	ug/kg dry	
2,4-Dichlorophenol	---	U	104	ug/kg dry	
Naphthalene	---	U	104	ug/kg dry	
4-Chloroaniline	---	U	104	ug/kg dry	
Hexachlorobutadiene	---	U	104	ug/kg dry	
Caprolactam	---	U	104	ug/kg dry	
4-Chloro-3-Methylphenol	---	U	104	ug/kg dry	
2-Methylnaphthalene	123		104	ug/kg dry	
1,2,4,5-Tetrachlorobenzene	---	U	104	ug/kg dry	
Hexachlorocyclopentadiene	---	U	104	ug/kg dry	
2,4,6-Trichlorophenol	---	U	104	ug/kg dry	
2,4,5-Trichlorophenol	---	U	104	ug/kg dry	
Biphenyl	---	U	104	ug/kg dry	

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SB-01-A				Sample ID: 1606029-11	
NVOA GCMS					
2-Chloronaphthalene	---	U	104	ug/kg dry	
2-Nitroaniline	---	U	104	ug/kg dry	
Dimethyl Phthalate	238		104	ug/kg dry	
Acenaphthylene	---	U	104	ug/kg dry	
2,6-Dinitrotoluene	---	U	104	ug/kg dry	
3-Nitroaniline	---	U	104	ug/kg dry	
Acenaphthene	---	U	104	ug/kg dry	
2,4-Dinitrophenol	---	U J	347	ug/kg dry	
4-Nitrophenol	---	U	104	ug/kg dry	
Dibenzofuran	---	U	104	ug/kg dry	
2,4-Dinitrotoluene	---	U	104	ug/kg dry	
2,3,4,6-Tetrachlorophenol	---	U	104	ug/kg dry	
Fluorene	---	U	104	ug/kg dry	
Diethylphthalate	---	U	104	ug/kg dry	
4-Chlorophenyl-Phenylether	---	U	104	ug/kg dry	
4-Nitroaniline	---	U	104	ug/kg dry	
4,6-Dinitro-2-Methylphenol	---	U	104	ug/kg dry	
N-Nitrosodiphenylamine	---	U	104	ug/kg dry	
4-Bromophenyl-Phenylether	---	U	104	ug/kg dry	
Hexachlorobenzene	---	U	104	ug/kg dry	
Atrazine	---	U	104	ug/kg dry	
Pentachlorophenol	---	U	104	ug/kg dry	
Phenanthrene	141		104	ug/kg dry	
Anthracene	---	U	104	ug/kg dry	
Carbazole	---	U	104	ug/kg dry	
Di-N-Butyl Phthalate	---	U	104	ug/kg dry	
Fluoranthene	---	U	104	ug/kg dry	
Pyrene	---	U	104	ug/kg dry	

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SB-01-A				Sample ID: 1606029-11	
NVOA GCMS					
Butylbenzylphthalate	---	U	104	ug/kg dry	
3,3'- Dichlorobenzidine	---	U	104	ug/kg dry	
Benzo(A)Anthracene	---	U	104	ug/kg dry	
Chrysene	---	U	104	ug/kg dry	
Bis(2-Ethylhexyl)Phthalate	---	U	104	ug/kg dry	
Di-N-Octyl Phthalate	---	U	104	ug/kg dry	
Benzo(B)Fluoranthene	---	U	104	ug/kg dry	
Benzo(K)Fluoranthene	---	U	104	ug/kg dry	
Benzo(A)Pyrene	---	U	104	ug/kg dry	
Indeno(1,2,3-Cd)Pyrene	---	U	104	ug/kg dry	
Dibenzo(A,H)Anthracene	---	U	104	ug/kg dry	
Benzo(G,H,I)Perylene	---	U	104	ug/kg dry	
HEPTADECANE	5690	NJ		ug/kg dry	
Hexadecane (01)	4840	NJ		ug/kg dry	
Hexadecane, 2,6,10,14-tetra...	1140	NJ		ug/kg dry	
Naphthalene, 1,7-dimethyl-	1250	NJ		ug/kg dry	
Naphthalene, 2,3-dimethyl-	1750	NJ		ug/kg dry	
Nonadecane	1580	NJ		ug/kg dry	
Pentadecane	7800	NJ		ug/kg dry	
Tetradecane	6150	NJ		ug/kg dry	
Tridecane	3210	NJ		ug/kg dry	
PCB Aroclors GC					
Aroclor 1016	---	U J	33	ug/kg dry	
Aroclor 1221	---	U J	66	ug/kg dry	
Aroclor 1232	---	U J	33	ug/kg dry	
Aroclor 1242	---	U J	33	ug/kg dry	
Aroclor 1248	---	U J	33	ug/kg dry	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SB-01-A				Sample ID: 1606029-11	
PCB Aroclors GC					
Aroclor 1254	---	U J	33	ug/kg dry	
Aroclor 1260	---	U J	33	ug/kg dry	
Aroclor 1262	---	U J	33	ug/kg dry	
Aroclor 1268	---	U J	33	ug/kg dry	
Metals ICP					
Aluminum	5800		8.4	mg/kg dry	
Antimony	---	U	1.7	mg/kg dry	
Arsenic	3.1		0.67	mg/kg dry	
Barium	23		8.4	mg/kg dry	
Beryllium	---	U	0.25	mg/kg dry	
Cadmium	---	U	0.25	mg/kg dry	
Calcium	170		42	mg/kg dry	
Chromium	7.3		0.42	mg/kg dry	
Cobalt	5.1		1.7	mg/kg dry	
Copper	10		0.84	mg/kg dry	
Iron	12000		4.2	mg/kg dry	
Lead	6.1		0.67	mg/kg dry	
Magnesium	2100		42	mg/kg dry	
Manganese	360		0.42	mg/kg dry	
Nickel	13		1.7	mg/kg dry	
Potassium	350		42	mg/kg dry	
Selenium	---	U	1.7	mg/kg dry	
Silver	---	U	0.42	mg/kg dry	
Sodium	---	U	84	mg/kg dry	
Thallium	---	U	1.7	mg/kg dry	
Tin	---	U	0.84	mg/kg dry	
Vanadium	8.5		1.7	mg/kg dry	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SB-01-A				Sample ID: 1606029-11	
Metals ICP					
Zinc	35		1.7	mg/kg dry	
Field ID: KR-SB-06-A				Sample ID: 1606029-12	
VOA GCMS					
Dichlorodifluoromethane	---	U	4.9	ug/kg dry	
Chloromethane	---	U	4.9	ug/kg dry	
Vinyl Chloride	---	U	4.9	ug/kg dry	
Bromomethane	---	U J	130	ug/kg dry	
Chloroethane	---	U	4.9	ug/kg dry	
Trichlorofluoromethane	---	U	4.9	ug/kg dry	
1,1-Dichloroethene	---	U	4.9	ug/kg dry	
1,1,2-Trichloro-1,2,2-Trifluoroethane	---	U	4.9	ug/kg dry	
Carbon Disulfide	---	U	4.9	ug/kg dry	
Acetone	---	U J	9.9	ug/kg dry	
Methyl Acetate	---	U J	4.9	ug/kg dry	
Methylene Chloride	---	U	4.9	ug/kg dry	
trans-1,2-Dichloroethene	---	U	4.9	ug/kg dry	
cis-1,2-Dichloroethene	---	U	4.9	ug/kg dry	
Methyl tert-Butyl Ether	---	U L	4.9	ug/kg dry	
1,1-Dichloroethane	---	U	4.9	ug/kg dry	
2-Butanone	---	U	9.9	ug/kg dry	
Bromochloromethane	---	U	4.9	ug/kg dry	
Chloroform	---	U	4.9	ug/kg dry	
1,2-Dichloroethane	---	U	4.9	ug/kg dry	
1,1,1-Trichloroethane	---	U	4.9	ug/kg dry	
Cyclohexane	---	U	4.9	ug/kg dry	
Carbon Tetrachloride	---	U	4.9	ug/kg dry	
Benzene	---	U	4.9	ug/kg dry	
Trichloroethene	---	U	4.9	ug/kg dry	

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SB-06-A				Sample ID: 1606029-12	
VOA GCMS					
Methylcyclohexane	---	U	4.9	ug/kg dry	
1,2-Dichloropropane	---	U J	4.9	ug/kg dry	
Bromodichloromethane	---	U	4.9	ug/kg dry	
cis-1,3-Dichloropropene	---	U	9.9	ug/kg dry	
trans-1,3-Dichloropropene	---	U	4.9	ug/kg dry	
1,1,2-Trichloroethane	---	U	4.9	ug/kg dry	
Dibromochloromethane	---	U	4.9	ug/kg dry	
Bromoform	---	U	4.9	ug/kg dry	
4-Methyl-2-Pentanone	---	U	9.9	ug/kg dry	
Toluene	---	U	4.9	ug/kg dry	
Tetrachloroethene	56		4.9	ug/kg dry	
2-Hexanone	---	U	96	ug/kg dry	
1,2-Dibromoethane	---	U	4.9	ug/kg dry	
Chlorobenzene	---	U	4.9	ug/kg dry	
Ethylbenzene	---	U	4.9	ug/kg dry	
m/p-Xylene	---	U	4.9	ug/kg dry	
o-Xylene	---	U	4.9	ug/kg dry	
Styrene	---	U	4.9	ug/kg dry	
Isopropylbenzene	---	U	4.9	ug/kg dry	
1,1,2,2-Tetrachloroethane	---	U	4.9	ug/kg dry	
1,3-Dichlorobenzene	---	U	4.9	ug/kg dry	
1,4-Dichlorobenzene	---	U	4.9	ug/kg dry	
1,2-Dichlorobenzene	---	U	4.9	ug/kg dry	
1,2-Dibromo-3-Chloropropane	---	U	4.9	ug/kg dry	
1,2,4-Trichlorobenzene	---	U	4.9	ug/kg dry	
1,2,3-Trichlorobenzene	---	U	4.9	ug/kg dry	
Dodecane	19	NJ		ug/kg dry	
Dodecane, 2,6,11-trimethyl-	24	NJ		ug/kg dry	

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SB-06-A				Sample ID: 1606029-12	
VOA GCMS					
Hexadecane	14	NJ		ug/kg dry	
Naphthalene, 1,6-dimethyl- (01)	38	NJ		ug/kg dry	
Naphthalene, 1,6-dimethyl- (02)	30	NJ		ug/kg dry	
Naphthalene, 1,7-dimethyl-	14	NJ		ug/kg dry	
Naphthalene, 1-methyl-	21	NJ		ug/kg dry	
Naphthalene, 2-methyl-	29	NJ		ug/kg dry	
Tetradecane	110	NJ		ug/kg dry	
Tridecane	82	NJ		ug/kg dry	
NVOA GCMS					
1,4-Dioxane	---	U	71.8	ug/kg dry	
Benzaldehyde	---	U	107	ug/kg dry	
Phenol	---	U	107	ug/kg dry	
Bis(2-Chloroethyl)Ether	---	U	107	ug/kg dry	
2-Chlorophenol	---	U	107	ug/kg dry	
2-Methylphenol	---	U	107	ug/kg dry	
Bis(2-Chloroisopropyl)Ether	---	U	107	ug/kg dry	
Acetophenone	---	U	107	ug/kg dry	
4-Methylphenol	---	U	107	ug/kg dry	
N-Nitroso-Di-N-Propylamine	---	U	107	ug/kg dry	
Hexachloroethane	---	U	107	ug/kg dry	
Nitrobenzene	---	U	107	ug/kg dry	
Isophorone	---	U	107	ug/kg dry	
2-Nitrophenol	---	U	107	ug/kg dry	
2,4-Dimethylphenol	---	U	107	ug/kg dry	
Bis(-2-Chloroethoxy)Methane	---	U	107	ug/kg dry	
2,4-Dichlorophenol	---	U	107	ug/kg dry	
Naphthalene	---	U	107	ug/kg dry	

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SB-06-A				Sample ID: 1606029-12	
NVOA GCMS					
4-Chloroaniline	---	U	107	ug/kg dry	
Hexachlorobutadiene	---	U	107	ug/kg dry	
Caprolactam	---	U	107	ug/kg dry	
4-Chloro-3-Methylphenol	---	U	107	ug/kg dry	
2-Methylnaphthalene	---	U	107	ug/kg dry	
1,2,4,5-Tetrachlorobenzene	---	U	107	ug/kg dry	
Hexachlorocyclopentadiene	---	U L	107	ug/kg dry	
2,4,6-Trichlorophenol	---	U	107	ug/kg dry	
2,4,5-Trichlorophenol	---	U	107	ug/kg dry	
Biphenyl	---	U	107	ug/kg dry	
2-Chloronaphthalene	---	U	107	ug/kg dry	
2-Nitroaniline	---	U	107	ug/kg dry	
Dimethyl Phthalate	194		107	ug/kg dry	
Acenaphthylene	---	U	107	ug/kg dry	
2,6-Dinitrotoluene	---	U	107	ug/kg dry	
3-Nitroaniline	---	U	107	ug/kg dry	
Acenaphthene	---	U	107	ug/kg dry	
2,4-Dinitrophenol	---	U J	357	ug/kg dry	
4-Nitrophenol	---	U	107	ug/kg dry	
Dibenzofuran	---	U	107	ug/kg dry	
2,4-Dinitrotoluene	---	U	107	ug/kg dry	
2,3,4,6-Tetrachlorophenol	---	U	107	ug/kg dry	
Fluorene	---	U	107	ug/kg dry	
Diethylphthalate	---	U	107	ug/kg dry	
4-Chlorophenyl-Phenylether	---	U	107	ug/kg dry	
4-Nitroaniline	---	U	107	ug/kg dry	
4,6-Dinitro-2-Methylphenol	---	U L	107	ug/kg dry	
N-Nitrosodiphenylamine	---	U	107	ug/kg dry	

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SB-06-A				Sample ID: 1606029-12	
NVOA GCMS					
4-Bromophenyl-Phenylether	---	U	107	ug/kg dry	
Hexachlorobenzene	---	U	107	ug/kg dry	
Atrazine	---	U	107	ug/kg dry	
Pentachlorophenol	---	U	107	ug/kg dry	
Phenanthrene	---	U	107	ug/kg dry	
Anthracene	---	U	107	ug/kg dry	
Carbazole	---	U	107	ug/kg dry	
Di-N-Butyl Phthalate	---	U	107	ug/kg dry	
Fluoranthene	---	U	107	ug/kg dry	
Pyrene	---	U	107	ug/kg dry	
Butylbenzylphthalate	---	U	107	ug/kg dry	
3,3'- Dichlorobenzidine	---	U	107	ug/kg dry	
Benzo(A)Anthracene	---	U	107	ug/kg dry	
Chrysene	---	U	107	ug/kg dry	
Bis(2-Ethylhexyl)Phthalate	---	U	107	ug/kg dry	
Di-N-Octyl Phthalate	---	U	107	ug/kg dry	
Benzo(B)Fluoranthene	---	U	107	ug/kg dry	
Benzo(K)Fluoranthene	---	U	107	ug/kg dry	
Benzo(A)Pyrene	---	U	107	ug/kg dry	
Indeno(1,2,3-Cd)Pyrene	---	U	107	ug/kg dry	
Dibenzo(A,H)Anthracene	---	U	107	ug/kg dry	
Benzo(G,H,I)Perylene	---	U	107	ug/kg dry	
PCB Aroclors GC					
Aroclor 1016	---	U J	34	ug/kg dry	
Aroclor 1221	---	U J	67	ug/kg dry	
Aroclor 1232	---	U J	34	ug/kg dry	
Aroclor 1242	---	U J	34	ug/kg dry	
Aroclor 1248	120	J	34	ug/kg dry	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SB-06-A				Sample ID: 1606029-12	
PCB Aroclors GC					
Aroclor 1254	---	U J	34	ug/kg dry	
Aroclor 1260	---	U J	34	ug/kg dry	
Aroclor 1262	---	U J	34	ug/kg dry	
Aroclor 1268	---	U J	34	ug/kg dry	
Metals ICP					
Aluminum	5600		8.7	mg/kg dry	
Antimony	---	U	1.7	mg/kg dry	
Arsenic	2.7		0.69	mg/kg dry	
Barium	24		8.7	mg/kg dry	
Beryllium	---	U	0.26	mg/kg dry	
Cadmium	---	U	0.26	mg/kg dry	
Calcium	370		43	mg/kg dry	
Chromium	7.4		0.43	mg/kg dry	
Cobalt	5.4		1.7	mg/kg dry	
Copper	9.6		0.87	mg/kg dry	
Iron	12000		4.3	mg/kg dry	
Lead	5.9		0.69	mg/kg dry	
Magnesium	2100		43	mg/kg dry	
Manganese	370		0.43	mg/kg dry	
Nickel	13		1.7	mg/kg dry	
Potassium	400		43	mg/kg dry	
Selenium	---	U	1.7	mg/kg dry	
Silver	---	U	0.43	mg/kg dry	
Sodium	---	U	87	mg/kg dry	
Thallium	---	U	1.7	mg/kg dry	
Tin	---	U	0.87	mg/kg dry	
Vanadium	8.2		1.7	mg/kg dry	

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SB-06-A				Sample ID: 1606029-12	
Metals ICP					
Zinc	34		1.7	mg/kg dry	
Field ID: KR-SB-10-A				Sample ID: 1606029-13	
VOA GCMS					
Dichlorodifluoromethane	---	U	5.1	ug/kg dry	
Chloromethane	---	U	5.1	ug/kg dry	
Vinyl Chloride	---	U	5.1	ug/kg dry	
Bromomethane	---	U J	130	ug/kg dry	
Chloroethane	---	U	5.1	ug/kg dry	
Trichlorofluoromethane	---	U	5.1	ug/kg dry	
1,1-Dichloroethene	---	U	5.1	ug/kg dry	
1,1,2-Trichloro-1,2,2-Trifluoroethane	---	U	5.1	ug/kg dry	
Carbon Disulfide	---	U	5.1	ug/kg dry	
Acetone	13	J	10	ug/kg dry	
Methyl Acetate	---	U J	5.1	ug/kg dry	
Methylene Chloride	---	U	5.1	ug/kg dry	
trans-1,2-Dichloroethene	---	U	5.1	ug/kg dry	
cis-1,2-Dichloroethene	---	U	5.1	ug/kg dry	
Methyl tert-Butyl Ether	---	U L	5.1	ug/kg dry	
1,1-Dichloroethane	---	U	5.1	ug/kg dry	
2-Butanone	---	U	10	ug/kg dry	
Bromochloromethane	---	U	5.1	ug/kg dry	
Chloroform	---	U	5.1	ug/kg dry	
1,2-Dichloroethane	---	U	5.1	ug/kg dry	
1,1,1-Trichloroethane	---	U	5.1	ug/kg dry	
Cyclohexane	---	U	5.1	ug/kg dry	
Carbon Tetrachloride	---	U	5.1	ug/kg dry	
Benzene	---	U	5.1	ug/kg dry	
Trichloroethene	---	U	5.1	ug/kg dry	

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SB-10-A				Sample ID: 1606029-13	
VOA GCMS					
Methylcyclohexane	---	U	5.1	ug/kg dry	
1,2-Dichloropropane	---	U J	5.1	ug/kg dry	
Bromodichloromethane	---	U	5.1	ug/kg dry	
cis-1,3-Dichloropropene	---	U	10	ug/kg dry	
trans-1,3-Dichloropropene	---	U	5.1	ug/kg dry	
1,1,2-Trichloroethane	---	U	5.1	ug/kg dry	
Dibromochloromethane	---	U	5.1	ug/kg dry	
Bromoform	---	U	5.1	ug/kg dry	
4-Methyl-2-Pentanone	---	U	10	ug/kg dry	
Toluene	---	U	5.1	ug/kg dry	
Tetrachloroethene	5.5		5.1	ug/kg dry	
2-Hexanone	---	U	99	ug/kg dry	
1,2-Dibromoethane	---	U	5.1	ug/kg dry	
Chlorobenzene	---	U	5.1	ug/kg dry	
Ethylbenzene	---	U	5.1	ug/kg dry	
m/p-Xylene	---	U	5.1	ug/kg dry	
o-Xylene	---	U	5.1	ug/kg dry	
Styrene	---	U	5.1	ug/kg dry	
Isopropylbenzene	---	U	5.1	ug/kg dry	
1,1,2,2-Tetrachloroethane	---	U	5.1	ug/kg dry	
1,3-Dichlorobenzene	---	U	5.1	ug/kg dry	
1,4-Dichlorobenzene	---	U	5.1	ug/kg dry	
1,2-Dichlorobenzene	---	U	5.1	ug/kg dry	
1,2-Dibromo-3-Chloropropane	---	U	5.1	ug/kg dry	
1,2,4-Trichlorobenzene	---	U	5.1	ug/kg dry	
1,2,3-Trichlorobenzene	---	U	5.1	ug/kg dry	
Tetradecane	20	NJ		ug/kg dry	
Tridecane	22	NJ		ug/kg dry	

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SB-10-A				Sample ID: 1606029-13	
NVOA GCMS					
1,4-Dioxane	---	U	72.1	ug/kg dry	
Benzaldehyde	---	U	108	ug/kg dry	
Phenol	---	U	108	ug/kg dry	
Bis(2-Chloroethyl)Ether	---	U	108	ug/kg dry	
2-Chlorophenol	---	U	108	ug/kg dry	
2-Methylphenol	---	U	108	ug/kg dry	
Bis(2-Chloroisopropyl)Ether	---	U	108	ug/kg dry	
Acetophenone	---	U	108	ug/kg dry	
4-Methylphenol	---	U	108	ug/kg dry	
N-Nitroso-Di-N-Propylamine	---	U	108	ug/kg dry	
Hexachloroethane	---	U	108	ug/kg dry	
Nitrobenzene	---	U	108	ug/kg dry	
Isophorone	---	U	108	ug/kg dry	
2-Nitrophenol	---	U	108	ug/kg dry	
2,4-Dimethylphenol	---	U	108	ug/kg dry	
Bis(-2-Chloroethoxy)Methane	---	U	108	ug/kg dry	
2,4-Dichlorophenol	---	U	108	ug/kg dry	
Naphthalene	---	U	108	ug/kg dry	
4-Chloroaniline	---	U	108	ug/kg dry	
Hexachlorobutadiene	---	U	108	ug/kg dry	
Caprolactam	---	U	108	ug/kg dry	
4-Chloro-3-Methylphenol	---	U	108	ug/kg dry	
2-Methylnaphthalene	---	U	108	ug/kg dry	
1,2,4,5-Tetrachlorobenzene	---	U	108	ug/kg dry	
Hexachlorocyclopentadiene	---	U L	108	ug/kg dry	
2,4,6-Trichlorophenol	---	U	108	ug/kg dry	
2,4,5-Trichlorophenol	---	U	108	ug/kg dry	
Biphenyl	---	U	108	ug/kg dry	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SB-10-A				Sample ID: 1606029-13	
NVOA GCMS					
2-Chloronaphthalene	---	U	108	ug/kg dry	
2-Nitroaniline	---	U	108	ug/kg dry	
Dimethyl Phthalate	215		108	ug/kg dry	
Acenaphthylene	---	U	108	ug/kg dry	
2,6-Dinitrotoluene	---	U	108	ug/kg dry	
3-Nitroaniline	---	U	108	ug/kg dry	
Acenaphthene	---	U	108	ug/kg dry	
2,4-Dinitrophenol	---	U J	359	ug/kg dry	
4-Nitrophenol	---	U	108	ug/kg dry	
Dibenzofuran	---	U	108	ug/kg dry	
2,4-Dinitrotoluene	---	U	108	ug/kg dry	
2,3,4,6-Tetrachlorophenol	---	U	108	ug/kg dry	
Fluorene	---	U	108	ug/kg dry	
Diethylphthalate	---	U	108	ug/kg dry	
4-Chlorophenyl-Phenylether	---	U	108	ug/kg dry	
4-Nitroaniline	---	U	108	ug/kg dry	
4,6-Dinitro-2-Methylphenol	---	U L	108	ug/kg dry	
N-Nitrosodiphenylamine	---	U	108	ug/kg dry	
4-Bromophenyl-Phenylether	---	U	108	ug/kg dry	
Hexachlorobenzene	---	U	108	ug/kg dry	
Atrazine	---	U	108	ug/kg dry	
Pentachlorophenol	---	U	108	ug/kg dry	
Phenanthrene	---	U	108	ug/kg dry	
Anthracene	---	U	108	ug/kg dry	
Carbazole	---	U	108	ug/kg dry	
Di-N-Butyl Phthalate	---	U	108	ug/kg dry	
Fluoranthene	172		108	ug/kg dry	
Pyrene	168		108	ug/kg dry	

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SB-10-A				Sample ID: 1606029-13	
NVOA GCMS					
Butylbenzylphthalate	---	U	108	ug/kg dry	
3,3'- Dichlorobenzidine	---	U	108	ug/kg dry	
Benzo(A)Anthracene	135		108	ug/kg dry	
Chrysene	220		108	ug/kg dry	
Bis(2-Ethylhexyl)Phthalate	471	K	108	ug/kg dry	
Di-N-Octyl Phthalate	---	U	108	ug/kg dry	
Benzo(B)Fluoranthene	298		108	ug/kg dry	
Benzo(K)Fluoranthene	117		108	ug/kg dry	
Benzo(A)Pyrene	127		108	ug/kg dry	
Indeno(1,2,3-Cd)Pyrene	---	U	108	ug/kg dry	
Dibenzo(A,H)Anthracene	---	U	108	ug/kg dry	
Benzo(G,H,I)Perylene	---	U	108	ug/kg dry	
1-Hexanol, 2-ethyl-	517	NJ		ug/kg dry	
PCB Aroclors GC					
Aroclor 1016	---	U J	33	ug/kg dry	
Aroclor 1221	---	U J	66	ug/kg dry	
Aroclor 1232	---	U J	33	ug/kg dry	
Aroclor 1242	---	U J	33	ug/kg dry	
Aroclor 1248	---	U J	33	ug/kg dry	
Aroclor 1254	---	U J	33	ug/kg dry	
Aroclor 1260	---	U J	33	ug/kg dry	
Aroclor 1262	---	U J	33	ug/kg dry	
Aroclor 1268	---	U J	33	ug/kg dry	

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SB-10-A				Sample ID: 1606029-13	
Metals ICP					
Aluminum	6000		8.0	mg/kg dry	
Antimony	---	U	1.6	mg/kg dry	
Arsenic	3.8		0.64	mg/kg dry	
Barium	28		8.0	mg/kg dry	
Beryllium	0.25		0.24	mg/kg dry	
Cadmium	---	U	0.24	mg/kg dry	
Calcium	15000		40	mg/kg dry	
Chromium	11		0.40	mg/kg dry	
Cobalt	4.9		1.6	mg/kg dry	
Copper	11		0.80	mg/kg dry	
Iron	12000		4.0	mg/kg dry	
Lead	8.4		0.64	mg/kg dry	
Magnesium	2200		40	mg/kg dry	
Manganese	320		0.40	mg/kg dry	
Nickel	13		1.6	mg/kg dry	
Potassium	460		40	mg/kg dry	
Selenium	---	U	1.6	mg/kg dry	
Silver	---	U	0.40	mg/kg dry	
Sodium	---	U	80	mg/kg dry	
Thallium	---	U	1.6	mg/kg dry	
Tin	---	U	0.80	mg/kg dry	
Vanadium	9.5		1.6	mg/kg dry	
Zinc	35		1.6	mg/kg dry	
Field ID: KR-SB-02-A				Sample ID: 1606039-01	
VOA GCMS					
Dichlorodifluoromethane	---	U	4.3	ug/kg dry	

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SB-02-A				Sample ID: 1606039-01	
VOA GCMS					
Chloromethane	---	U	4.3	ug/kg dry	
Vinyl Chloride	---	U	4.3	ug/kg dry	
Bromomethane	---	U J	110	ug/kg dry	
Chloroethane	---	U	4.3	ug/kg dry	
Trichlorofluoromethane	---	U	4.3	ug/kg dry	
1,1-Dichloroethene	---	U	4.3	ug/kg dry	
1,1,2-Trichloro-1,2,2-Trifluoroethane	---	U	4.3	ug/kg dry	
Carbon Disulfide	---	U	4.3	ug/kg dry	
Acetone	12	J	8.6	ug/kg dry	
Methyl Acetate	6.9	J	4.3	ug/kg dry	
Methylene Chloride	---	U	4.3	ug/kg dry	
trans-1,2-Dichloroethene	---	U	4.3	ug/kg dry	
cis-1,2-Dichloroethene	---	U	4.3	ug/kg dry	
Methyl tert-Butyl Ether	---	U L	4.3	ug/kg dry	
1,1-Dichloroethane	---	U	4.3	ug/kg dry	
2-Butanone	---	U	8.6	ug/kg dry	
Bromochloromethane	---	U	4.3	ug/kg dry	
Chloroform	---	U	4.3	ug/kg dry	
1,2-Dichloroethane	---	U	4.3	ug/kg dry	
1,1,1-Trichloroethane	---	U	4.3	ug/kg dry	
Cyclohexane	---	U	4.3	ug/kg dry	
Carbon Tetrachloride	---	U	4.3	ug/kg dry	
Benzene	---	U	4.3	ug/kg dry	
Trichloroethene	---	U	4.3	ug/kg dry	
Methylcyclohexane	---	U	4.3	ug/kg dry	
1,2-Dichloropropane	---	U J	4.3	ug/kg dry	
Bromodichloromethane	---	U	4.3	ug/kg dry	
cis-1,3-Dichloropropene	---	U	8.6	ug/kg dry	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SB-02-A				Sample ID: 1606039-01	
VOA GCMS					
trans-1,3-Dichloropropene	---	U	4.3	ug/kg dry	
1,1,2-Trichloroethane	---	U	4.3	ug/kg dry	
Dibromochloromethane	---	U	4.3	ug/kg dry	
Bromoform	---	U	4.3	ug/kg dry	
4-Methyl-2-Pentanone	---	U	8.6	ug/kg dry	
Toluene	---	U	4.3	ug/kg dry	
Tetrachloroethene	43		4.3	ug/kg dry	
2-Hexanone	---	U	84	ug/kg dry	
1,2-Dibromoethane	---	U	4.3	ug/kg dry	
Chlorobenzene	---	U	4.3	ug/kg dry	
Ethylbenzene	---	U	4.3	ug/kg dry	
m/p-Xylene	---	U	4.3	ug/kg dry	
o-Xylene	---	U	4.3	ug/kg dry	
Styrene	---	U	4.3	ug/kg dry	
Isopropylbenzene	---	U	4.3	ug/kg dry	
1,1,2,2-Tetrachloroethane	---	U	4.3	ug/kg dry	
1,3-Dichlorobenzene	---	U	4.3	ug/kg dry	
1,4-Dichlorobenzene	---	U	4.3	ug/kg dry	
1,2-Dichlorobenzene	---	U	4.3	ug/kg dry	
1,2-Dibromo-3-Chloropropane	---	U	4.3	ug/kg dry	
1,2,4-Trichlorobenzene	---	U	4.3	ug/kg dry	
1,2,3-Trichlorobenzene	---	U	4.3	ug/kg dry	
Tridecane	8.7	NJ		ug/kg dry	
NVOA GCMS					
1,4-Dioxane	---	U	71.6	ug/kg dry	
Benzaldehyde	---	U	107	ug/kg dry	
Phenol	---	U	107	ug/kg dry	
Bis(2-Chloroethyl)Ether	---	U	107	ug/kg dry	

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SB-02-A				Sample ID: 1606039-01	
NVOA GCMS					
2-Chlorophenol	---	U	107	ug/kg dry	
2-Methylphenol	---	U	107	ug/kg dry	
Bis(2-Chloroisopropyl)Ether	---	U	107	ug/kg dry	
Acetophenone	---	U	107	ug/kg dry	
4-Methylphenol	---	U	107	ug/kg dry	
N-Nitroso-Di-N-Propylamine	---	U	107	ug/kg dry	
Hexachloroethane	---	U	107	ug/kg dry	
Nitrobenzene	---	U	107	ug/kg dry	
Isophorone	---	U	107	ug/kg dry	
2-Nitrophenol	---	U	107	ug/kg dry	
2,4-Dimethylphenol	---	U	107	ug/kg dry	
Bis(-2-Chloroethoxy)Methane	---	U	107	ug/kg dry	
2,4-Dichlorophenol	---	U	107	ug/kg dry	
Naphthalene	---	U	107	ug/kg dry	
4-Chloroaniline	---	U	107	ug/kg dry	
Hexachlorobutadiene	---	U	107	ug/kg dry	
Caprolactam	---	U	107	ug/kg dry	
4-Chloro-3-Methylphenol	---	U	107	ug/kg dry	
2-Methylnaphthalene	---	U	107	ug/kg dry	
1,2,4,5-Tetrachlorobenzene	---	U	107	ug/kg dry	
Hexachlorocyclopentadiene	---	U	107	ug/kg dry	
2,4,6-Trichlorophenol	---	U	107	ug/kg dry	
2,4,5-Trichlorophenol	---	U	107	ug/kg dry	
Biphenyl	---	U	107	ug/kg dry	
2-Chloronaphthalene	---	U	107	ug/kg dry	
2-Nitroaniline	---	U	107	ug/kg dry	
Dimethyl Phthalate	---	U	107	ug/kg dry	
Acenaphthylene	---	U	107	ug/kg dry	

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SB-02-A				Sample ID: 1606039-01	
NVOA GCMS					
2,6-Dinitrotoluene	---	U	107	ug/kg dry	
3-Nitroaniline	---	U	107	ug/kg dry	
Acenaphthene	---	U	107	ug/kg dry	
2,4-Dinitrophenol	---	U J	356	ug/kg dry	
4-Nitrophenol	---	U	107	ug/kg dry	
Dibenzofuran	---	U	107	ug/kg dry	
2,4-Dinitrotoluene	---	U	107	ug/kg dry	
2,3,4,6-Tetrachlorophenol	---	U	107	ug/kg dry	
Fluorene	---	U	107	ug/kg dry	
Diethylphthalate	---	U	107	ug/kg dry	
4-Chlorophenyl-Phenylether	---	U	107	ug/kg dry	
4-Nitroaniline	---	U	107	ug/kg dry	
4,6-Dinitro-2-Methylphenol	---	U	107	ug/kg dry	
N-Nitrosodiphenylamine	---	U	107	ug/kg dry	
4-Bromophenyl-Phenylether	---	U	107	ug/kg dry	
Hexachlorobenzene	---	U	107	ug/kg dry	
Atrazine	---	U	107	ug/kg dry	
Pentachlorophenol	---	U	107	ug/kg dry	
Phenanthrene	161		107	ug/kg dry	
Anthracene	---	U	107	ug/kg dry	
Carbazole	---	U	107	ug/kg dry	
Di-N-Butyl Phthalate	---	U	107	ug/kg dry	
Fluoranthene	274		107	ug/kg dry	
Pyrene	241		107	ug/kg dry	
Butylbenzylphthalate	---	U	107	ug/kg dry	
3,3'- Dichlorobenzidine	---	U	107	ug/kg dry	
Benzo(A)Anthracene	122		107	ug/kg dry	
Chrysene	140		107	ug/kg dry	

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SB-02-A				Sample ID: 1606039-01	
NVOA GCMS					
Bis(2-Ethylhexyl)Phthalate	---	U	107	ug/kg dry	
Di-N-Octyl Phthalate	---	U	107	ug/kg dry	
Benzo(B)Fluoranthene	169		107	ug/kg dry	
Benzo(K)Fluoranthene	---	U	107	ug/kg dry	
Benzo(A)Pyrene	114		107	ug/kg dry	
Indeno(1,2,3-Cd)Pyrene	---	U	107	ug/kg dry	
Dibenzo(A,H)Anthracene	---	U	107	ug/kg dry	
Benzo(G,H,I)Perylene	---	U	107	ug/kg dry	
Tetrachloroethylene	391	NJ		ug/kg dry	
PCB Aroclors GC					
Aroclor 1016	---	U J	33	ug/kg dry	
Aroclor 1221	---	U J	67	ug/kg dry	
Aroclor 1232	---	U J	33	ug/kg dry	
Aroclor 1242	---	U J	33	ug/kg dry	
Aroclor 1248	---	U J	33	ug/kg dry	
Aroclor 1254	---	U J	33	ug/kg dry	
Aroclor 1260	---	U J	33	ug/kg dry	
Aroclor 1262	---	U J	33	ug/kg dry	
Aroclor 1268	---	U J	33	ug/kg dry	
Metals ICP					
Aluminum	6100		7.9	mg/kg dry	
Antimony	---	U	1.6	mg/kg dry	
Arsenic	3.8		0.63	mg/kg dry	
Barium	30		7.9	mg/kg dry	
Beryllium	0.28		0.24	mg/kg dry	
Cadmium	---	U	0.24	mg/kg dry	
Calcium	480		40	mg/kg dry	

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SB-02-A				Sample ID: 1606039-01	
Metals ICP					
Chromium	7.2		0.40	mg/kg dry	
Cobalt	6.0		1.6	mg/kg dry	
Copper	17		0.79	mg/kg dry	
Iron	12000		4.0	mg/kg dry	
Lead	17		0.63	mg/kg dry	
Magnesium	1800		40	mg/kg dry	
Manganese	390		0.40	mg/kg dry	
Nickel	12		1.6	mg/kg dry	
Potassium	280		40	mg/kg dry	
Selenium	---	U	1.6	mg/kg dry	
Silver	---	U	0.40	mg/kg dry	
Sodium	---	U	79	mg/kg dry	
Thallium	---	U	1.6	mg/kg dry	
Tin	---	U	0.79	mg/kg dry	
Vanadium	9.3		1.6	mg/kg dry	
Zinc	36		1.6	mg/kg dry	
Field ID: KR-SB-03-A				Sample ID: 1606039-02	
VOA GCMS					
Dichlorodifluoromethane	---	U	4.5	ug/kg dry	
Chloromethane	6.3		4.5	ug/kg dry	
Vinyl Chloride	---	U	4.5	ug/kg dry	
Bromomethane	---	U J	120	ug/kg dry	
Chloroethane	---	U	4.5	ug/kg dry	
Trichlorofluoromethane	---	U	4.5	ug/kg dry	
1,1-Dichloroethene	---	U	4.5	ug/kg dry	
1,1,2-Trichloro-1,2,2-Trifluoroethane	---	U	4.5	ug/kg dry	

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SB-03-A				Sample ID: 1606039-02	
VOA GCMS					
Carbon Disulfide	---	U	4.5	ug/kg dry	
Acetone	16	J	9.0	ug/kg dry	
Methyl Acetate	5.4	J	4.5	ug/kg dry	
Methylene Chloride	---	U	4.5	ug/kg dry	
trans-1,2-Dichloroethene	---	U	4.5	ug/kg dry	
cis-1,2-Dichloroethene	---	U	4.5	ug/kg dry	
Methyl tert-Butyl Ether	---	U L	4.5	ug/kg dry	
1,1-Dichloroethane	---	U	4.5	ug/kg dry	
2-Butanone	---	U	9.0	ug/kg dry	
Bromochloromethane	---	U	4.5	ug/kg dry	
Chloroform	---	U	4.5	ug/kg dry	
1,2-Dichloroethane	---	U	4.5	ug/kg dry	
1,1,1-Trichloroethane	---	U	4.5	ug/kg dry	
Cyclohexane	---	U	4.5	ug/kg dry	
Carbon Tetrachloride	---	U	4.5	ug/kg dry	
Benzene	---	U	4.5	ug/kg dry	
Trichloroethene	---	U	4.5	ug/kg dry	
Methylcyclohexane	---	U	4.5	ug/kg dry	
1,2-Dichloropropane	---	U J	4.5	ug/kg dry	
Bromodichloromethane	---	U	4.5	ug/kg dry	
cis-1,3-Dichloropropene	---	U	9.0	ug/kg dry	
trans-1,3-Dichloropropene	---	U	4.5	ug/kg dry	
1,1,2-Trichloroethane	---	U	4.5	ug/kg dry	
Dibromochloromethane	---	U	4.5	ug/kg dry	
Bromoform	---	U	4.5	ug/kg dry	
4-Methyl-2-Pentanone	---	U	9.0	ug/kg dry	
Toluene	---	U	4.5	ug/kg dry	
Tetrachloroethene	260		26	ug/kg dry	

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SB-03-A				Sample ID: 1606039-02	
VOA GCMS					
2-Hexanone	---	U	88	ug/kg dry	
1,2-Dibromoethane	---	U	4.5	ug/kg dry	
Chlorobenzene	---	U	4.5	ug/kg dry	
Ethylbenzene	---	U	4.5	ug/kg dry	
m/p-Xylene	---	U	4.5	ug/kg dry	
o-Xylene	---	U	4.5	ug/kg dry	
Styrene	---	U L	4.5	ug/kg dry	
Isopropylbenzene	---	U	4.5	ug/kg dry	
1,1,2,2-Tetrachloroethane	---	U	4.5	ug/kg dry	
1,3-Dichlorobenzene	---	U	4.5	ug/kg dry	
1,4-Dichlorobenzene	---	U	4.5	ug/kg dry	
1,2-Dichlorobenzene	---	U	4.5	ug/kg dry	
1,2-Dibromo-3-Chloropropane	---	U	4.5	ug/kg dry	
1,2,4-Trichlorobenzene	---	U	4.5	ug/kg dry	
1,2,3-Trichlorobenzene	---	U	4.5	ug/kg dry	
NVOA GCMS					
1,4-Dioxane	---	U	71.5	ug/kg dry	
Benzaldehyde	---	U	107	ug/kg dry	
Phenol	---	U	107	ug/kg dry	
Bis(2-Chloroethyl)Ether	---	U	107	ug/kg dry	
2-Chlorophenol	---	U	107	ug/kg dry	
2-Methylphenol	---	U	107	ug/kg dry	
Bis(2-Chloroisopropyl)Ether	---	U	107	ug/kg dry	
Acetophenone	---	U	107	ug/kg dry	
4-Methylphenol	---	U	107	ug/kg dry	
N-Nitroso-Di-N-Propylamine	---	U	107	ug/kg dry	
Hexachloroethane	---	U	107	ug/kg dry	
Nitrobenzene	---	U	107	ug/kg dry	

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SB-03-A				Sample ID: 1606039-02	
NVOA GCMS					
Isophorone	---	U	107	ug/kg dry	
2-Nitrophenol	---	U	107	ug/kg dry	
2,4-Dimethylphenol	---	U	107	ug/kg dry	
Bis(-2-Chloroethoxy)Methane	---	U	107	ug/kg dry	
2,4-Dichlorophenol	---	U	107	ug/kg dry	
Naphthalene	---	U	107	ug/kg dry	
4-Chloroaniline	---	U	107	ug/kg dry	
Hexachlorobutadiene	---	U	107	ug/kg dry	
Caprolactam	---	U	107	ug/kg dry	
4-Chloro-3-Methylphenol	---	U	107	ug/kg dry	
2-Methylnaphthalene	---	U	107	ug/kg dry	
1,2,4,5-Tetrachlorobenzene	---	U	107	ug/kg dry	
Hexachlorocyclopentadiene	---	U	107	ug/kg dry	
2,4,6-Trichlorophenol	---	U	107	ug/kg dry	
2,4,5-Trichlorophenol	---	U	107	ug/kg dry	
Biphenyl	---	U	107	ug/kg dry	
2-Chloronaphthalene	---	U	107	ug/kg dry	
2-Nitroaniline	---	U	107	ug/kg dry	
Dimethyl Phthalate	---	U	107	ug/kg dry	
Acenaphthylene	---	U	107	ug/kg dry	
2,6-Dinitrotoluene	---	U	107	ug/kg dry	
3-Nitroaniline	---	U	107	ug/kg dry	
Acenaphthene	---	U	107	ug/kg dry	
2,4-Dinitrophenol	---	U J	356	ug/kg dry	
4-Nitrophenol	---	U	107	ug/kg dry	
Dibenzofuran	---	U	107	ug/kg dry	
2,4-Dinitrotoluene	---	U	107	ug/kg dry	
2,3,4,6-Tetrachlorophenol	---	U	107	ug/kg dry	

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SB-03-A				Sample ID: 1606039-02	
NVOA GCMS					
Fluorene	---	U	107	ug/kg dry	
Diethylphthalate	---	U	107	ug/kg dry	
4-Chlorophenyl-Phenylether	---	U	107	ug/kg dry	
4-Nitroaniline	---	U	107	ug/kg dry	
4,6-Dinitro-2-Methylphenol	---	U	107	ug/kg dry	
N-Nitrosodiphenylamine	---	U	107	ug/kg dry	
4-Bromophenyl-Phenylether	---	U	107	ug/kg dry	
Hexachlorobenzene	---	U	107	ug/kg dry	
Atrazine	---	U	107	ug/kg dry	
Pentachlorophenol	---	U	107	ug/kg dry	
Phenanthrene	---	U	107	ug/kg dry	
Anthracene	---	U	107	ug/kg dry	
Carbazole	---	U	107	ug/kg dry	
Di-N-Butyl Phthalate	---	U	107	ug/kg dry	
Fluoranthene	---	U	107	ug/kg dry	
Pyrene	---	U	107	ug/kg dry	
Butylbenzylphthalate	---	U	107	ug/kg dry	
3,3'- Dichlorobenzidine	---	U	107	ug/kg dry	
Benzo(A)Anthracene	---	U	107	ug/kg dry	
Chrysene	---	U	107	ug/kg dry	
Bis(2-Ethylhexyl)Phthalate	---	U	107	ug/kg dry	
Di-N-Octyl Phthalate	---	U	107	ug/kg dry	
Benzo(B)Fluoranthene	---	U	107	ug/kg dry	
Benzo(K)Fluoranthene	---	U	107	ug/kg dry	
Benzo(A)Pyrene	---	U	107	ug/kg dry	
Indeno(1,2,3-Cd)Pyrene	---	U	107	ug/kg dry	
Dibenzo(A,H)Anthracene	---	U	107	ug/kg dry	
Benzo(G,H,I)Perylene	---	U	107	ug/kg dry	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SB-03-A				Sample ID: 1606039-02	
PCB Aroclors GC					
Aroclor 1016	---	U J	33	ug/kg dry	
Aroclor 1221	---	U J	66	ug/kg dry	
Aroclor 1232	---	U J	33	ug/kg dry	
Aroclor 1242	---	U J	33	ug/kg dry	
Aroclor 1248	---	U J	33	ug/kg dry	
Aroclor 1254	---	U J	33	ug/kg dry	
Aroclor 1260	270	J	33	ug/kg dry	
Aroclor 1262	---	U J	33	ug/kg dry	
Aroclor 1268	---	U J	33	ug/kg dry	
Metals ICP					
Aluminum	7000		7.9	mg/kg dry	
Antimony	---	U	1.6	mg/kg dry	
Arsenic	3.1		0.64	mg/kg dry	
Barium	20		7.9	mg/kg dry	
Beryllium	0.25		0.24	mg/kg dry	
Cadmium	---	U	0.24	mg/kg dry	
Calcium	320		40	mg/kg dry	
Chromium	7.6		0.40	mg/kg dry	
Cobalt	5.1		1.6	mg/kg dry	
Copper	8.0		0.79	mg/kg dry	
Iron	12000		4.0	mg/kg dry	
Lead	5.9		0.64	mg/kg dry	
Magnesium	1800		40	mg/kg dry	
Manganese	340		0.40	mg/kg dry	
Nickel	13		1.6	mg/kg dry	
Potassium	250		40	mg/kg dry	
Selenium	---	U	1.6	mg/kg dry	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SB-03-A				Sample ID: 1606039-02	
Metals ICP					
Silver	---	U	0.40	mg/kg dry	
Sodium	---	U	79	mg/kg dry	
Thallium	---	U	1.6	mg/kg dry	
Tin	---	U	0.79	mg/kg dry	
Vanadium	10		1.6	mg/kg dry	
Zinc	33		1.6	mg/kg dry	
Field ID: KR-SB-04-A				Sample ID: 1606039-03	
VOA GCMS					
Dichlorodifluoromethane	---	U	5.3	ug/kg dry	
Chloromethane	---	U	5.3	ug/kg dry	
Vinyl Chloride	---	U	5.3	ug/kg dry	
Bromomethane	---	U J	140	ug/kg dry	
Chloroethane	---	U	5.3	ug/kg dry	
Trichlorofluoromethane	---	U	5.3	ug/kg dry	
1,1-Dichloroethene	---	U	5.3	ug/kg dry	
1,1,2-Trichloro-1,2,2-Trifluoroethane	---	U	5.3	ug/kg dry	
Carbon Disulfide	---	U	5.3	ug/kg dry	
Acetone	---	U J	11	ug/kg dry	
Methyl Acetate	---	U J	5.3	ug/kg dry	
Methylene Chloride	---	U	5.3	ug/kg dry	
trans-1,2-Dichloroethene	---	U	5.3	ug/kg dry	
cis-1,2-Dichloroethene	---	U	5.3	ug/kg dry	
Methyl tert-Butyl Ether	---	U L	5.3	ug/kg dry	
1,1-Dichloroethane	---	U	5.3	ug/kg dry	
2-Butanone	---	U	11	ug/kg dry	
Bromochloromethane	---	U	5.3	ug/kg dry	
Chloroform	---	U	5.3	ug/kg dry	
1,2-Dichloroethane	---	U	5.3	ug/kg dry	

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SB-04-A				Sample ID: 1606039-03	
VOA GCMS					
1,1,1-Trichloroethane	---	U	5.3	ug/kg dry	
Cyclohexane	---	U	5.3	ug/kg dry	
Carbon Tetrachloride	---	U	5.3	ug/kg dry	
Benzene	---	U	5.3	ug/kg dry	
Trichloroethene	---	U	5.3	ug/kg dry	
Methylcyclohexane	---	U	5.3	ug/kg dry	
1,2-Dichloropropane	---	U J	5.3	ug/kg dry	
Bromodichloromethane	---	U	5.3	ug/kg dry	
cis-1,3-Dichloropropene	---	U	11	ug/kg dry	
trans-1,3-Dichloropropene	---	U	5.3	ug/kg dry	
1,1,2-Trichloroethane	---	U	5.3	ug/kg dry	
Dibromochloromethane	---	U	5.3	ug/kg dry	
Bromoform	---	U	5.3	ug/kg dry	
4-Methyl-2-Pentanone	---	U	11	ug/kg dry	
Toluene	---	U	5.3	ug/kg dry	
Tetrachloroethene	17		5.3	ug/kg dry	
2-Hexanone	---	U	100	ug/kg dry	
1,2-Dibromoethane	---	U	5.3	ug/kg dry	
Chlorobenzene	---	U	5.3	ug/kg dry	
Ethylbenzene	---	U	5.3	ug/kg dry	
m/p-Xylene	---	U	5.3	ug/kg dry	
o-Xylene	---	U	5.3	ug/kg dry	
Styrene	---	U	5.3	ug/kg dry	
Isopropylbenzene	---	U	5.3	ug/kg dry	
1,1,2,2-Tetrachloroethane	---	U	5.3	ug/kg dry	
1,3-Dichlorobenzene	---	U	5.3	ug/kg dry	
1,4-Dichlorobenzene	---	U	5.3	ug/kg dry	
1,2-Dichlorobenzene	---	U	5.3	ug/kg dry	

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SB-04-A				Sample ID: 1606039-03	
VOA GCMS					
1,2-Dibromo-3-Chloropropane	---	U	5.3	ug/kg dry	
1,2,4-Trichlorobenzene	---	U	5.3	ug/kg dry	
1,2,3-Trichlorobenzene	---	U	5.3	ug/kg dry	
NVOA GCMS					
1,4-Dioxane	---	U	70.8	ug/kg dry	
Benzaldehyde	---	U	106	ug/kg dry	
Phenol	---	U	106	ug/kg dry	
Bis(2-Chloroethyl)Ether	---	U	106	ug/kg dry	
2-Chlorophenol	---	U	106	ug/kg dry	
2-Methylphenol	---	U	106	ug/kg dry	
Bis(2-Chloroisopropyl)Ether	---	U	106	ug/kg dry	
Acetophenone	---	U	106	ug/kg dry	
4-Methylphenol	---	U	106	ug/kg dry	
N-Nitroso-Di-N-Propylamine	---	U	106	ug/kg dry	
Hexachloroethane	---	U	106	ug/kg dry	
Nitrobenzene	---	U	106	ug/kg dry	
Isophorone	---	U	106	ug/kg dry	
2-Nitrophenol	---	U	106	ug/kg dry	
2,4-Dimethylphenol	---	U	106	ug/kg dry	
Bis(-2-Chloroethoxy)Methane	---	U	106	ug/kg dry	
2,4-Dichlorophenol	---	U	106	ug/kg dry	
Naphthalene	---	U	106	ug/kg dry	
4-Chloroaniline	---	U	106	ug/kg dry	
Hexachlorobutadiene	---	U	106	ug/kg dry	
Caprolactam	---	U	106	ug/kg dry	
4-Chloro-3-Methylphenol	---	U	106	ug/kg dry	
2-Methylnaphthalene	---	U	106	ug/kg dry	
1,2,4,5-Tetrachlorobenzene	---	U	106	ug/kg dry	

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SB-04-A				Sample ID: 1606039-03	
NVOA GCMS					
Hexachlorocyclopentadiene	---	U	106	ug/kg dry	
2,4,6-Trichlorophenol	---	U	106	ug/kg dry	
2,4,5-Trichlorophenol	---	U	106	ug/kg dry	
Biphenyl	---	U	106	ug/kg dry	
2-Chloronaphthalene	---	U	106	ug/kg dry	
2-Nitroaniline	---	U	106	ug/kg dry	
Dimethyl Phthalate	---	U	106	ug/kg dry	
Acenaphthylene	---	U	106	ug/kg dry	
2,6-Dinitrotoluene	---	U	106	ug/kg dry	
3-Nitroaniline	---	U	106	ug/kg dry	
Acenaphthene	---	U	106	ug/kg dry	
2,4-Dinitrophenol	---	U J	352	ug/kg dry	
4-Nitrophenol	---	U	106	ug/kg dry	
Dibenzofuran	---	U	106	ug/kg dry	
2,4-Dinitrotoluene	---	U	106	ug/kg dry	
2,3,4,6-Tetrachlorophenol	---	U	106	ug/kg dry	
Fluorene	---	U	106	ug/kg dry	
Diethylphthalate	---	U	106	ug/kg dry	
4-Chlorophenyl-Phenylether	---	U	106	ug/kg dry	
4-Nitroaniline	---	U	106	ug/kg dry	
4,6-Dinitro-2-Methylphenol	---	U	106	ug/kg dry	
N-Nitrosodiphenylamine	---	U	106	ug/kg dry	
4-Bromophenyl-Phenylether	---	U	106	ug/kg dry	
Hexachlorobenzene	---	U	106	ug/kg dry	
Atrazine	---	U	106	ug/kg dry	
Pentachlorophenol	---	U	106	ug/kg dry	
Phenanthrene	---	U	106	ug/kg dry	
Anthracene	---	U	106	ug/kg dry	

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SB-04-A				Sample ID: 1606039-03	
NVOA GCMS					
Carbazole	---	U	106	ug/kg dry	
Di-N-Butyl Phthalate	---	U	106	ug/kg dry	
Fluoranthene	---	U	106	ug/kg dry	
Pyrene	---	U	106	ug/kg dry	
Butylbenzylphthalate	---	U	106	ug/kg dry	
3,3'- Dichlorobenzidine	---	U	106	ug/kg dry	
Benzo(A)Anthracene	---	U	106	ug/kg dry	
Chrysene	---	U	106	ug/kg dry	
Bis(2-Ethylhexyl)Phthalate	---	U	106	ug/kg dry	
Di-N-Octyl Phthalate	---	U	106	ug/kg dry	
Benzo(B)Fluoranthene	---	U	106	ug/kg dry	
Benzo(K)Fluoranthene	---	U	106	ug/kg dry	
Benzo(A)Pyrene	---	U	106	ug/kg dry	
Indeno(1,2,3-Cd)Pyrene	---	U	106	ug/kg dry	
Dibenzo(A,H)Anthracene	---	U	106	ug/kg dry	
Benzo(G,H,I)Perylene	---	U	106	ug/kg dry	
PCB Aroclors GC					
Aroclor 1016	---	U J	33	ug/kg dry	
Aroclor 1221	---	U J	66	ug/kg dry	
Aroclor 1232	---	U J	33	ug/kg dry	
Aroclor 1242	---	U J	33	ug/kg dry	
Aroclor 1248	---	U J	33	ug/kg dry	
Aroclor 1254	---	U J	33	ug/kg dry	
Aroclor 1260	---	U J	33	ug/kg dry	
Aroclor 1262	---	U J	33	ug/kg dry	
Aroclor 1268	---	U J	33	ug/kg dry	

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SB-04-A				Sample ID: 1606039-03	
Metals ICP					
Aluminum	6100		8.6	mg/kg dry	
Antimony	---	U	1.7	mg/kg dry	
Arsenic	3.0		0.69	mg/kg dry	
Barium	11		8.6	mg/kg dry	
Beryllium	---	U	0.26	mg/kg dry	
Cadmium	---	U	0.26	mg/kg dry	
Calcium	230		43	mg/kg dry	
Chromium	7.2		0.43	mg/kg dry	
Cobalt	5.3		1.7	mg/kg dry	
Copper	10		0.86	mg/kg dry	
Iron	11000		4.3	mg/kg dry	
Lead	7.6		0.69	mg/kg dry	
Magnesium	2000		43	mg/kg dry	
Manganese	300		0.43	mg/kg dry	
Nickel	12		1.7	mg/kg dry	
Potassium	290		43	mg/kg dry	
Selenium	---	U	1.7	mg/kg dry	
Silver	---	U	0.43	mg/kg dry	
Sodium	---	U	86	mg/kg dry	
Thallium	---	U	1.7	mg/kg dry	
Tin	---	U	0.86	mg/kg dry	
Vanadium	8.4		1.7	mg/kg dry	
Zinc	30		1.7	mg/kg dry	
Field ID: KR-SB-05-A				Sample ID: 1606039-04	
VOA GCMS					
Dichlorodifluoromethane	---	U	5.9	ug/kg dry	

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SB-05-A				Sample ID: 1606039-04	
VOA GCMS					
Chloromethane	7.0		5.9	ug/kg dry	
Vinyl Chloride	---	U	5.9	ug/kg dry	
Bromomethane	---	U J	150	ug/kg dry	
Chloroethane	---	U	5.9	ug/kg dry	
Trichlorofluoromethane	---	U	5.9	ug/kg dry	
1,1-Dichloroethene	---	U	5.9	ug/kg dry	
1,1,2-Trichloro-1,2,2-Trifluoroethane	---	U	5.9	ug/kg dry	
Carbon Disulfide	---	U	5.9	ug/kg dry	
Acetone	36	J	12	ug/kg dry	
Methyl Acetate	9.7	J	5.9	ug/kg dry	
Methylene Chloride	---	U	5.9	ug/kg dry	
trans-1,2-Dichloroethene	---	U	5.9	ug/kg dry	
cis-1,2-Dichloroethene	---	U	5.9	ug/kg dry	
Methyl tert-Butyl Ether	---	U L	5.9	ug/kg dry	
1,1-Dichloroethane	---	U	5.9	ug/kg dry	
2-Butanone	---	U	12	ug/kg dry	
Bromochloromethane	---	U	5.9	ug/kg dry	
Chloroform	---	U	5.9	ug/kg dry	
1,2-Dichloroethane	---	U	5.9	ug/kg dry	
1,1,1-Trichloroethane	---	U	5.9	ug/kg dry	
Cyclohexane	---	U	5.9	ug/kg dry	
Carbon Tetrachloride	---	U	5.9	ug/kg dry	
Benzene	---	U	5.9	ug/kg dry	
Trichloroethene	---	U	5.9	ug/kg dry	
Methylcyclohexane	---	U	5.9	ug/kg dry	
1,2-Dichloropropane	---	U J	5.9	ug/kg dry	
Bromodichloromethane	---	U	5.9	ug/kg dry	
cis-1,3-Dichloropropene	---	U	12	ug/kg dry	

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SB-05-A				Sample ID: 1606039-04	
VOA GCMS					
trans-1,3-Dichloropropene	---	U	5.9	ug/kg dry	
1,1,2-Trichloroethane	---	U	5.9	ug/kg dry	
Dibromochloromethane	---	U	5.9	ug/kg dry	
Bromoform	---	U	5.9	ug/kg dry	
4-Methyl-2-Pentanone	---	U	12	ug/kg dry	
Toluene	---	U	5.9	ug/kg dry	
Tetrachloroethene	82		5.9	ug/kg dry	
2-Hexanone	---	U	110	ug/kg dry	
1,2-Dibromoethane	---	U	5.9	ug/kg dry	
Chlorobenzene	---	U	5.9	ug/kg dry	
Ethylbenzene	---	U	5.9	ug/kg dry	
m/p-Xylene	---	U	5.9	ug/kg dry	
o-Xylene	---	U	5.9	ug/kg dry	
Styrene	---	U	5.9	ug/kg dry	
Isopropylbenzene	---	U	5.9	ug/kg dry	
1,1,2,2-Tetrachloroethane	---	U	5.9	ug/kg dry	
1,3-Dichlorobenzene	---	U	5.9	ug/kg dry	
1,4-Dichlorobenzene	---	U	5.9	ug/kg dry	
1,2-Dichlorobenzene	---	U	5.9	ug/kg dry	
1,2-Dibromo-3-Chloropropane	---	U	5.9	ug/kg dry	
1,2,4-Trichlorobenzene	---	U	5.9	ug/kg dry	
1,2,3-Trichlorobenzene	---	U	5.9	ug/kg dry	
HEXANAL	14			ug/kg dry	
Propene	14			ug/kg dry	

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SB-05-A				Sample ID: 1606039-04	
NVOA GCMS					
1,4-Dioxane	---	U	69.3	ug/kg dry	
Benzaldehyde	---	U	103	ug/kg dry	
Phenol	---	U	103	ug/kg dry	
Bis(2-Chloroethyl)Ether	---	U	103	ug/kg dry	
2-Chlorophenol	---	U	103	ug/kg dry	
2-Methylphenol	---	U	103	ug/kg dry	
Bis(2-Chloroisopropyl)Ether	---	U	103	ug/kg dry	
Acetophenone	---	U	103	ug/kg dry	
4-Methylphenol	---	U	103	ug/kg dry	
N-Nitroso-Di-N-Propylamine	---	U	103	ug/kg dry	
Hexachloroethane	---	U	103	ug/kg dry	
Nitrobenzene	---	U	103	ug/kg dry	
Isophorone	---	U	103	ug/kg dry	
2-Nitrophenol	---	U	103	ug/kg dry	
2,4-Dimethylphenol	---	U	103	ug/kg dry	
Bis(-2-Chloroethoxy)Methane	---	U	103	ug/kg dry	
2,4-Dichlorophenol	---	U	103	ug/kg dry	
Naphthalene	---	U	103	ug/kg dry	
4-Chloroaniline	---	U	103	ug/kg dry	
Hexachlorobutadiene	---	U	103	ug/kg dry	
Caprolactam	---	U	103	ug/kg dry	
4-Chloro-3-Methylphenol	---	U	103	ug/kg dry	
2-Methylnaphthalene	---	U	103	ug/kg dry	
1,2,4,5-Tetrachlorobenzene	---	U	103	ug/kg dry	
Hexachlorocyclopentadiene	---	U	103	ug/kg dry	
2,4,6-Trichlorophenol	---	U	103	ug/kg dry	
2,4,5-Trichlorophenol	---	U	103	ug/kg dry	
Biphenyl	---	U	103	ug/kg dry	

Final Report

Project: Kingston Rail Yard - 1606029

Project Number: 1606029

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SB-05-A				Sample ID: 1606039-04	
NVOA GCMS					
2-Chloronaphthalene	---	U	103	ug/kg dry	
2-Nitroaniline	---	U	103	ug/kg dry	
Dimethyl Phthalate	118		103	ug/kg dry	
Acenaphthylene	---	U	103	ug/kg dry	
2,6-Dinitrotoluene	---	U	103	ug/kg dry	
3-Nitroaniline	---	U	103	ug/kg dry	
Acenaphthene	---	U	103	ug/kg dry	
2,4-Dinitrophenol	---	U J	345	ug/kg dry	
4-Nitrophenol	---	U	103	ug/kg dry	
Dibenzofuran	---	U	103	ug/kg dry	
2,4-Dinitrotoluene	---	U	103	ug/kg dry	
2,3,4,6-Tetrachlorophenol	---	U	103	ug/kg dry	
Fluorene	---	U	103	ug/kg dry	
Diethylphthalate	---	U	103	ug/kg dry	
4-Chlorophenyl-Phenylether	---	U	103	ug/kg dry	
4-Nitroaniline	---	U	103	ug/kg dry	
4,6-Dinitro-2-Methylphenol	---	U	103	ug/kg dry	
N-Nitrosodiphenylamine	---	U	103	ug/kg dry	
4-Bromophenyl-Phenylether	---	U	103	ug/kg dry	
Hexachlorobenzene	---	U	103	ug/kg dry	
Atrazine	---	U	103	ug/kg dry	
Pentachlorophenol	---	U	103	ug/kg dry	
Phenanthrene	---	U	103	ug/kg dry	
Anthracene	---	U	103	ug/kg dry	
Carbazole	---	U	103	ug/kg dry	
Di-N-Butyl Phthalate	---	U	103	ug/kg dry	
Fluoranthene	186		103	ug/kg dry	
Pyrene	144		103	ug/kg dry	

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SB-05-A				Sample ID: 1606039-04	
NVOA GCMS					
Butylbenzylphthalate	---	U	103	ug/kg dry	
3,3'- Dichlorobenzidine	---	U	103	ug/kg dry	
Benzo(A)Anthracene	---	U	103	ug/kg dry	
Chrysene	112		103	ug/kg dry	
Bis(2-Ethylhexyl)Phthalate	---	U	103	ug/kg dry	
Di-N-Octyl Phthalate	---	U	103	ug/kg dry	
Benzo(B)Fluoranthene	158		103	ug/kg dry	
Benzo(K)Fluoranthene	---	U	103	ug/kg dry	
Benzo(A)Pyrene	---	U	103	ug/kg dry	
Indeno(1,2,3-Cd)Pyrene	---	U	103	ug/kg dry	
Dibenzo(A,H)Anthracene	---	U	103	ug/kg dry	
Benzo(G,H,I)Perylene	---	U	103	ug/kg dry	
PCB Aroclors GC					
Aroclor 1016	---	U J	32	ug/kg dry	
Aroclor 1221	---	U J	64	ug/kg dry	
Aroclor 1232	---	U J	32	ug/kg dry	
Aroclor 1242	---	U J	32	ug/kg dry	
Aroclor 1248	---	U J	32	ug/kg dry	
Aroclor 1254	---	U J	32	ug/kg dry	
Aroclor 1260	---	U J	32	ug/kg dry	
Aroclor 1262	---	U J	32	ug/kg dry	
Aroclor 1268	---	U J	32	ug/kg dry	
Metals ICP					
Aluminum	6000		8.5	mg/kg dry	
Antimony	---	U	1.7	mg/kg dry	
Arsenic	3.9		0.68	mg/kg dry	
Barium	17		8.5	mg/kg dry	
Beryllium	---	U	0.25	mg/kg dry	

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SB-05-A				Sample ID: 1606039-04	
Metals ICP					
Cadmium	---	U	0.25	mg/kg dry	
Calcium	170		42	mg/kg dry	
Chromium	8.0		0.42	mg/kg dry	
Cobalt	5.1		1.7	mg/kg dry	
Copper	12		0.85	mg/kg dry	
Iron	12000		4.2	mg/kg dry	
Lead	11		0.68	mg/kg dry	
Magnesium	2100		42	mg/kg dry	
Manganese	330		0.42	mg/kg dry	
Nickel	13		1.7	mg/kg dry	
Potassium	340		42	mg/kg dry	
Selenium	---	U	1.7	mg/kg dry	
Silver	---	U	0.42	mg/kg dry	
Sodium	---	U	85	mg/kg dry	
Thallium	---	U	1.7	mg/kg dry	
Tin	---	U	0.85	mg/kg dry	
Vanadium	8.8		1.7	mg/kg dry	
Zinc	44		1.7	mg/kg dry	
Field ID: KR-SB-07-A				Sample ID: 1606039-05	
VOA GCMS					
Dichlorodifluoromethane	---	U	4.7	ug/kg dry	
Chloromethane	---	U	4.7	ug/kg dry	
Vinyl Chloride	---	U	4.7	ug/kg dry	
Bromomethane	---	U J	120	ug/kg dry	
Chloroethane	---	U	4.7	ug/kg dry	
Trichlorofluoromethane	---	U	4.7	ug/kg dry	

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SB-07-A				Sample ID: 1606039-05	
VOA GCMS					
1,1-Dichloroethene	---	U	4.7	ug/kg dry	
1,1,2-Trichloro-1,2,2-Trifluoroethane	---	U	4.7	ug/kg dry	
Carbon Disulfide	---	U	4.7	ug/kg dry	
Acetone	---	U J	9.3	ug/kg dry	
Methyl Acetate	---	U J	4.7	ug/kg dry	
Methylene Chloride	---	U	4.7	ug/kg dry	
trans-1,2-Dichloroethene	---	U	4.7	ug/kg dry	
cis-1,2-Dichloroethene	---	U	4.7	ug/kg dry	
Methyl tert-Butyl Ether	---	U L	4.7	ug/kg dry	
1,1-Dichloroethane	---	U	4.7	ug/kg dry	
2-Butanone	---	U	9.3	ug/kg dry	
Bromochloromethane	---	U	4.7	ug/kg dry	
Chloroform	---	U	4.7	ug/kg dry	
1,2-Dichloroethane	---	U	4.7	ug/kg dry	
1,1,1-Trichloroethane	---	U	4.7	ug/kg dry	
Cyclohexane	---	U	4.7	ug/kg dry	
Carbon Tetrachloride	---	U	4.7	ug/kg dry	
Benzene	---	U	4.7	ug/kg dry	
Trichloroethene	---	U	4.7	ug/kg dry	
Methylcyclohexane	---	U	4.7	ug/kg dry	
1,2-Dichloropropane	---	U J	4.7	ug/kg dry	
Bromodichloromethane	---	U	4.7	ug/kg dry	
cis-1,3-Dichloropropene	---	U	9.3	ug/kg dry	
trans-1,3-Dichloropropene	---	U	4.7	ug/kg dry	
1,1,2-Trichloroethane	---	U	4.7	ug/kg dry	
Dibromochloromethane	---	U	4.7	ug/kg dry	
Bromoform	---	U	4.7	ug/kg dry	
4-Methyl-2-Pentanone	---	U	9.3	ug/kg dry	

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SB-07-A				Sample ID: 1606039-05	
VOA GCMS					
Toluene	---	U	4.7	ug/kg dry	
Tetrachloroethene	6.4		4.7	ug/kg dry	
2-Hexanone	---	U	90	ug/kg dry	
1,2-Dibromoethane	---	U	4.7	ug/kg dry	
Chlorobenzene	---	U	4.7	ug/kg dry	
Ethylbenzene	---	U	4.7	ug/kg dry	
m/p-Xylene	---	U	4.7	ug/kg dry	
o-Xylene	---	U	4.7	ug/kg dry	
Styrene	---	U	4.7	ug/kg dry	
Isopropylbenzene	---	U	4.7	ug/kg dry	
1,1,2,2-Tetrachloroethane	---	U	4.7	ug/kg dry	
1,3-Dichlorobenzene	---	U	4.7	ug/kg dry	
1,4-Dichlorobenzene	---	U	4.7	ug/kg dry	
1,2-Dichlorobenzene	---	U	4.7	ug/kg dry	
1,2-Dibromo-3-Chloropropane	---	U	4.7	ug/kg dry	
1,2,4-Trichlorobenzene	---	U	4.7	ug/kg dry	
1,2,3-Trichlorobenzene	---	U	4.7	ug/kg dry	
NVOA GCMS					
1,4-Dioxane	---	U	69.6	ug/kg dry	
Benzaldehyde	---	U	104	ug/kg dry	
Phenol	---	U	104	ug/kg dry	
Bis(2-Chloroethyl)Ether	---	U	104	ug/kg dry	
2-Chlorophenol	---	U	104	ug/kg dry	
2-Methylphenol	---	U	104	ug/kg dry	
Bis(2-Chloroisopropyl)Ether	---	U	104	ug/kg dry	
Acetophenone	---	U	104	ug/kg dry	
4-Methylphenol	---	U	104	ug/kg dry	
N-Nitroso-Di-N-Propylamine	---	U	104	ug/kg dry	

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SB-07-A				Sample ID: 1606039-05	
NVOA GCMS					
Hexachloroethane	---	U	104	ug/kg dry	
Nitrobenzene	---	U	104	ug/kg dry	
Isophorone	---	U	104	ug/kg dry	
2-Nitrophenol	---	U	104	ug/kg dry	
2,4-Dimethylphenol	---	U	104	ug/kg dry	
Bis(-2-Chloroethoxy)Methane	---	U	104	ug/kg dry	
2,4-Dichlorophenol	---	U	104	ug/kg dry	
Naphthalene	---	U	104	ug/kg dry	
4-Chloroaniline	---	U	104	ug/kg dry	
Hexachlorobutadiene	---	U	104	ug/kg dry	
Caprolactam	---	U	104	ug/kg dry	
4-Chloro-3-Methylphenol	---	U	104	ug/kg dry	
2-Methylnaphthalene	---	U	104	ug/kg dry	
1,2,4,5-Tetrachlorobenzene	---	U	104	ug/kg dry	
Hexachlorocyclopentadiene	---	U	104	ug/kg dry	
2,4,6-Trichlorophenol	---	U	104	ug/kg dry	
2,4,5-Trichlorophenol	---	U	104	ug/kg dry	
Biphenyl	---	U	104	ug/kg dry	
2-Chloronaphthalene	---	U	104	ug/kg dry	
2-Nitroaniline	---	U	104	ug/kg dry	
Dimethyl Phthalate	128		104	ug/kg dry	
Acenaphthylene	---	U	104	ug/kg dry	
2,6-Dinitrotoluene	---	U	104	ug/kg dry	
3-Nitroaniline	---	U	104	ug/kg dry	
Acenaphthene	---	U	104	ug/kg dry	
2,4-Dinitrophenol	---	U J	346	ug/kg dry	
4-Nitrophenol	---	U	104	ug/kg dry	
Dibenzofuran	---	U	104	ug/kg dry	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SB-07-A				Sample ID: 1606039-05	
NVOA GCMS					
2,4-Dinitrotoluene	---	U	104	ug/kg dry	
2,3,4,6-Tetrachlorophenol	---	U	104	ug/kg dry	
Fluorene	---	U	104	ug/kg dry	
Diethylphthalate	---	U	104	ug/kg dry	
4-Chlorophenyl-Phenylether	---	U	104	ug/kg dry	
4-Nitroaniline	---	U	104	ug/kg dry	
4,6-Dinitro-2-Methylphenol	---	U	104	ug/kg dry	
N-Nitrosodiphenylamine	---	U	104	ug/kg dry	
4-Bromophenyl-Phenylether	---	U	104	ug/kg dry	
Hexachlorobenzene	---	U	104	ug/kg dry	
Atrazine	---	U	104	ug/kg dry	
Pentachlorophenol	---	U	104	ug/kg dry	
Phenanthrene	---	U	104	ug/kg dry	
Anthracene	---	U	104	ug/kg dry	
Carbazole	---	U	104	ug/kg dry	
Di-N-Butyl Phthalate	---	U	104	ug/kg dry	
Fluoranthene	---	U	104	ug/kg dry	
Pyrene	---	U	104	ug/kg dry	
Butylbenzylphthalate	---	U	104	ug/kg dry	
3,3'- Dichlorobenzidine	---	U	104	ug/kg dry	
Benzo(A)Anthracene	---	U	104	ug/kg dry	
Chrysene	---	U	104	ug/kg dry	
Bis(2-Ethylhexyl)Phthalate	---	U	104	ug/kg dry	
Di-N-Octyl Phthalate	---	U	104	ug/kg dry	
Benzo(B)Fluoranthene	---	U	104	ug/kg dry	
Benzo(K)Fluoranthene	---	U	104	ug/kg dry	
Benzo(A)Pyrene	---	U	104	ug/kg dry	
Indeno(1,2,3-Cd)Pyrene	---	U	104	ug/kg dry	

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SB-07-A				Sample ID: 1606039-05	
NVOA GCMS					
Dibenzo(A,H)Anthracene	---	U	104	ug/kg dry	
Benzo(G,H,I)Perylene	---	U	104	ug/kg dry	
PCB Aroclors GC					
Aroclor 1016	---	U J	32	ug/kg dry	
Aroclor 1221	---	U J	64	ug/kg dry	
Aroclor 1232	---	U J	32	ug/kg dry	
Aroclor 1242	---	U J	32	ug/kg dry	
Aroclor 1248	---	U J	32	ug/kg dry	
Aroclor 1254	---	U J	32	ug/kg dry	
Aroclor 1260	---	U J	32	ug/kg dry	
Aroclor 1262	---	U J	32	ug/kg dry	
Aroclor 1268	---	U J	32	ug/kg dry	
Metals ICP					
Aluminum	6500		7.5	mg/kg dry	
Antimony	---	U	1.5	mg/kg dry	
Arsenic	3.4		0.60	mg/kg dry	
Barium	11		7.5	mg/kg dry	
Beryllium	0.22		0.22	mg/kg dry	
Cadmium	---	U	0.22	mg/kg dry	
Calcium	250		37	mg/kg dry	
Chromium	7.6		0.37	mg/kg dry	
Cobalt	5.2		1.5	mg/kg dry	
Copper	9.1		0.75	mg/kg dry	
Iron	12000		3.7	mg/kg dry	
Lead	6.7		0.60	mg/kg dry	
Magnesium	2100		37	mg/kg dry	
Manganese	270		0.37	mg/kg dry	

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SB-07-A				Sample ID: 1606039-05	
Metals ICP					
Nickel	13		1.5	mg/kg dry	
Potassium	280		37	mg/kg dry	
Selenium	---	U	1.5	mg/kg dry	
Silver	---	U	0.37	mg/kg dry	
Sodium	---	U	75	mg/kg dry	
Thallium	---	U	1.5	mg/kg dry	
Tin	---	U	0.75	mg/kg dry	
Vanadium	9.6		1.5	mg/kg dry	
Zinc	29		1.5	mg/kg dry	
Field ID: KR-SB-08-A				Sample ID: 1606039-06	
VOA GCMS					
Dichlorodifluoromethane	---	U	5.1	ug/kg dry	
Chloromethane	---	U	5.1	ug/kg dry	
Vinyl Chloride	---	U	5.1	ug/kg dry	
Bromomethane	---	U J	130	ug/kg dry	
Chloroethane	---	U	5.1	ug/kg dry	
Trichlorofluoromethane	---	U	5.1	ug/kg dry	
1,1-Dichloroethene	---	U	5.1	ug/kg dry	
1,1,2-Trichloro-1,2,2-Trifluoroethane	---	U	5.1	ug/kg dry	
Carbon Disulfide	---	U	5.1	ug/kg dry	
Acetone	11	J	10	ug/kg dry	
Methyl Acetate	---	U J	5.1	ug/kg dry	
Methylene Chloride	---	U	5.1	ug/kg dry	
trans-1,2-Dichloroethene	---	U	5.1	ug/kg dry	
cis-1,2-Dichloroethene	---	U	5.1	ug/kg dry	
Methyl tert-Butyl Ether	---	U L	5.1	ug/kg dry	
1,1-Dichloroethane	---	U	5.1	ug/kg dry	

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SB-08-A				Sample ID: 1606039-06	
VOA GCMS					
2-Butanone	---	U	10	ug/kg dry	
Bromochloromethane	---	U	5.1	ug/kg dry	
Chloroform	---	U	5.1	ug/kg dry	
1,2-Dichloroethane	---	U	5.1	ug/kg dry	
1,1,1-Trichloroethane	---	U	5.1	ug/kg dry	
Cyclohexane	---	U	5.1	ug/kg dry	
Carbon Tetrachloride	---	U	5.1	ug/kg dry	
Benzene	---	U	5.1	ug/kg dry	
Trichloroethene	---	U	5.1	ug/kg dry	
Methylcyclohexane	---	U	5.1	ug/kg dry	
1,2-Dichloropropane	---	U J	5.1	ug/kg dry	
Bromodichloromethane	---	U	5.1	ug/kg dry	
cis-1,3-Dichloropropene	---	U	10	ug/kg dry	
trans-1,3-Dichloropropene	---	U	5.1	ug/kg dry	
1,1,2-Trichloroethane	---	U	5.1	ug/kg dry	
Dibromochloromethane	---	U	5.1	ug/kg dry	
Bromoform	---	U	5.1	ug/kg dry	
4-Methyl-2-Pentanone	---	U	10	ug/kg dry	
Toluene	---	U	5.1	ug/kg dry	
Tetrachloroethene	9.7		5.1	ug/kg dry	
2-Hexanone	---	U	98	ug/kg dry	
1,2-Dibromoethane	---	U	5.1	ug/kg dry	
Chlorobenzene	---	U	5.1	ug/kg dry	
Ethylbenzene	---	U	5.1	ug/kg dry	
m/p-Xylene	---	U	5.1	ug/kg dry	
o-Xylene	---	U	5.1	ug/kg dry	
Styrene	---	U	5.1	ug/kg dry	
Isopropylbenzene	---	U	5.1	ug/kg dry	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SB-08-A				Sample ID: 1606039-06	
VOA GCMS					
1,1,2,2-Tetrachloroethane	---	U	5.1	ug/kg dry	
1,3-Dichlorobenzene	---	U	5.1	ug/kg dry	
1,4-Dichlorobenzene	---	U	5.1	ug/kg dry	
1,2-Dichlorobenzene	---	U	5.1	ug/kg dry	
1,2-Dibromo-3-Chloropropane	---	U	5.1	ug/kg dry	
1,2,4-Trichlorobenzene	---	U	5.1	ug/kg dry	
1,2,3-Trichlorobenzene	---	U	5.1	ug/kg dry	
NVOA GCMS					
1,4-Dioxane	---	U	69.8	ug/kg dry	
Benzaldehyde	---	U	104	ug/kg dry	
Phenol	---	U	104	ug/kg dry	
Bis(2-Chloroethyl)Ether	---	U	104	ug/kg dry	
2-Chlorophenol	---	U	104	ug/kg dry	
2-Methylphenol	---	U	104	ug/kg dry	
Bis(2-Chloroisopropyl)Ether	---	U	104	ug/kg dry	
Acetophenone	---	U	104	ug/kg dry	
4-Methylphenol	---	U	104	ug/kg dry	
N-Nitroso-Di-N-Propylamine	---	U	104	ug/kg dry	
Hexachloroethane	---	U	104	ug/kg dry	
Nitrobenzene	---	U	104	ug/kg dry	
Isophorone	---	U	104	ug/kg dry	
2-Nitrophenol	---	U	104	ug/kg dry	
2,4-Dimethylphenol	---	U	104	ug/kg dry	
Bis(-2-Chloroethoxy)Methane	---	U	104	ug/kg dry	
2,4-Dichlorophenol	---	U	104	ug/kg dry	
Naphthalene	---	U	104	ug/kg dry	
4-Chloroaniline	---	U	104	ug/kg dry	
Hexachlorobutadiene	---	U	104	ug/kg dry	

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SB-08-A				Sample ID: 1606039-06	
NVOA GCMS					
Caprolactam	---	U	104	ug/kg dry	
4-Chloro-3-Methylphenol	---	U	104	ug/kg dry	
2-Methylnaphthalene	---	U	104	ug/kg dry	
1,2,4,5-Tetrachlorobenzene	---	U	104	ug/kg dry	
Hexachlorocyclopentadiene	---	U	104	ug/kg dry	
2,4,6-Trichlorophenol	---	U	104	ug/kg dry	
2,4,5-Trichlorophenol	---	U	104	ug/kg dry	
Biphenyl	---	U	104	ug/kg dry	
2-Chloronaphthalene	---	U	104	ug/kg dry	
2-Nitroaniline	---	U	104	ug/kg dry	
Dimethyl Phthalate	176		104	ug/kg dry	
Acenaphthylene	---	U	104	ug/kg dry	
2,6-Dinitrotoluene	---	U	104	ug/kg dry	
3-Nitroaniline	---	U	104	ug/kg dry	
Acenaphthene	---	U	104	ug/kg dry	
2,4-Dinitrophenol	---	U J	347	ug/kg dry	
4-Nitrophenol	---	U	104	ug/kg dry	
Dibenzofuran	---	U	104	ug/kg dry	
2,4-Dinitrotoluene	---	U	104	ug/kg dry	
2,3,4,6-Tetrachlorophenol	---	U	104	ug/kg dry	
Fluorene	---	U	104	ug/kg dry	
Diethylphthalate	---	U	104	ug/kg dry	
4-Chlorophenyl-Phenylether	---	U	104	ug/kg dry	
4-Nitroaniline	---	U	104	ug/kg dry	
4,6-Dinitro-2-Methylphenol	---	U	104	ug/kg dry	
N-Nitrosodiphenylamine	---	U	104	ug/kg dry	
4-Bromophenyl-Phenylether	---	U	104	ug/kg dry	
Hexachlorobenzene	---	U	104	ug/kg dry	

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SB-08-A				Sample ID: 1606039-06	
NVOA GCMS					
Atrazine	---	U	104	ug/kg dry	
Pentachlorophenol	---	U	104	ug/kg dry	
Phenanthrene	123		104	ug/kg dry	
Anthracene	---	U	104	ug/kg dry	
Carbazole	---	U	104	ug/kg dry	
Di-N-Butyl Phthalate	---	U	104	ug/kg dry	
Fluoranthene	185		104	ug/kg dry	
Pyrene	162		104	ug/kg dry	
Butylbenzylphthalate	---	U	104	ug/kg dry	
3,3'- Dichlorobenzidine	---	U	104	ug/kg dry	
Benzo(A)Anthracene	---	U	104	ug/kg dry	
Chrysene	110		104	ug/kg dry	
Bis(2-Ethylhexyl)Phthalate	---	U	104	ug/kg dry	
Di-N-Octyl Phthalate	---	U	104	ug/kg dry	
Benzo(B)Fluoranthene	126		104	ug/kg dry	
Benzo(K)Fluoranthene	---	U	104	ug/kg dry	
Benzo(A)Pyrene	---	U	104	ug/kg dry	
Indeno(1,2,3-Cd)Pyrene	---	U	104	ug/kg dry	
Dibenzo(A,H)Anthracene	---	U	104	ug/kg dry	
Benzo(G,H,I)Perylene	---	U	104	ug/kg dry	
PCB Aroclors GC					
Aroclor 1016	---	U J	32	ug/kg dry	
Aroclor 1221	---	U J	65	ug/kg dry	
Aroclor 1232	---	U J	32	ug/kg dry	
Aroclor 1242	---	U J	32	ug/kg dry	
Aroclor 1248	---	U J	32	ug/kg dry	
Aroclor 1254	---	U J	32	ug/kg dry	
Aroclor 1260	---	U J	32	ug/kg dry	

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SB-08-A				Sample ID: 1606039-06	
PCB Aroclors GC					
Aroclor 1262	---	U J	32	ug/kg dry	
Aroclor 1268	---	U J	32	ug/kg dry	
Metals ICP					
Aluminum	6400		8.2	mg/kg dry	
Antimony	---	U	1.6	mg/kg dry	
Arsenic	3.2		0.66	mg/kg dry	
Barium	25		8.2	mg/kg dry	
Beryllium	0.25		0.25	mg/kg dry	
Cadmium	---	U	0.25	mg/kg dry	
Calcium	290		41	mg/kg dry	
Chromium	8.5		0.41	mg/kg dry	
Cobalt	6.0		1.6	mg/kg dry	
Copper	16		0.82	mg/kg dry	
Iron	16000		4.1	mg/kg dry	
Lead	15		0.66	mg/kg dry	
Magnesium	2000		41	mg/kg dry	
Manganese	460		0.41	mg/kg dry	
Nickel	15		1.6	mg/kg dry	
Potassium	290		41	mg/kg dry	
Selenium	---	U	1.6	mg/kg dry	
Silver	---	U	0.41	mg/kg dry	
Sodium	---	U	82	mg/kg dry	
Thallium	---	U	1.6	mg/kg dry	
Tin	1.8		0.82	mg/kg dry	
Vanadium	9.1		1.6	mg/kg dry	
Zinc	32		1.6	mg/kg dry	

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: SB-900-A					Sample ID: 1606039-07
VOA GCMS					
Dichlorodifluoromethane	---	U	4.7	ug/kg dry	
Chloromethane	---	U	4.7	ug/kg dry	
Vinyl Chloride	---	U	4.7	ug/kg dry	
Bromomethane	---	U J	120	ug/kg dry	
Chloroethane	---	U	4.7	ug/kg dry	
Trichlorofluoromethane	---	U	4.7	ug/kg dry	
1,1-Dichloroethene	---	U	4.7	ug/kg dry	
1,1,2-Trichloro-1,2,2-Trifluoroethane	---	U	4.7	ug/kg dry	
Carbon Disulfide	---	U	4.7	ug/kg dry	
Acetone	11	J	9.3	ug/kg dry	
Methyl Acetate	---	U J	4.7	ug/kg dry	
Methylene Chloride	---	U	4.7	ug/kg dry	
trans-1,2-Dichloroethene	---	U	4.7	ug/kg dry	
cis-1,2-Dichloroethene	---	U	4.7	ug/kg dry	
Methyl tert-Butyl Ether	---	U L	4.7	ug/kg dry	
1,1-Dichloroethane	---	U	4.7	ug/kg dry	
2-Butanone	---	U	9.3	ug/kg dry	
Bromochloromethane	---	U	4.7	ug/kg dry	
Chloroform	---	U	4.7	ug/kg dry	
1,2-Dichloroethane	---	U	4.7	ug/kg dry	
1,1,1-Trichloroethane	---	U	4.7	ug/kg dry	
Cyclohexane	---	U	4.7	ug/kg dry	
Carbon Tetrachloride	---	U	4.7	ug/kg dry	
Benzene	---	U	4.7	ug/kg dry	
Trichloroethene	---	U	4.7	ug/kg dry	
Methylcyclohexane	---	U	4.7	ug/kg dry	
1,2-Dichloropropane	---	U J	4.7	ug/kg dry	
Bromodichloromethane	---	U	4.7	ug/kg dry	

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: SB-900-A				Sample ID: 1606039-07	
VOA GCMS					
cis-1,3-Dichloropropene	---	U	9.3	ug/kg dry	
trans-1,3-Dichloropropene	---	U	4.7	ug/kg dry	
1,1,2-Trichloroethane	---	U	4.7	ug/kg dry	
Dibromochloromethane	---	U	4.7	ug/kg dry	
Bromoform	---	U	4.7	ug/kg dry	
4-Methyl-2-Pentanone	---	U	9.3	ug/kg dry	
Toluene	---	U	4.7	ug/kg dry	
Tetrachloroethene	---	U	4.7	ug/kg dry	
2-Hexanone	---	U	90	ug/kg dry	
1,2-Dibromoethane	---	U	4.7	ug/kg dry	
Chlorobenzene	---	U	4.7	ug/kg dry	
Ethylbenzene	---	U	4.7	ug/kg dry	
m/p-Xylene	---	U	4.7	ug/kg dry	
o-Xylene	---	U	4.7	ug/kg dry	
Styrene	---	U	4.7	ug/kg dry	
Isopropylbenzene	---	U	4.7	ug/kg dry	
1,1,2,2-Tetrachloroethane	---	U	4.7	ug/kg dry	
1,3-Dichlorobenzene	---	U	4.7	ug/kg dry	
1,4-Dichlorobenzene	---	U	4.7	ug/kg dry	
1,2-Dichlorobenzene	---	U	4.7	ug/kg dry	
1,2-Dibromo-3-Chloropropane	---	U	4.7	ug/kg dry	
1,2,4-Trichlorobenzene	---	U	4.7	ug/kg dry	
1,2,3-Trichlorobenzene	---	U	4.7	ug/kg dry	
NVOA GCMS					
1,4-Dioxane	---	U	69.2	ug/kg dry	
Benzaldehyde	---	U	103	ug/kg dry	
Phenol	---	U	103	ug/kg dry	
Bis(2-Chloroethyl)Ether	---	U	103	ug/kg dry	

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: SB-900-A				Sample ID: 1606039-07	
NVOA GCMS					
2-Chlorophenol	---	U	103	ug/kg dry	
2-Methylphenol	---	U	103	ug/kg dry	
Bis(2-Chloroisopropyl)Ether	---	U	103	ug/kg dry	
Acetophenone	---	U	103	ug/kg dry	
4-Methylphenol	---	U	103	ug/kg dry	
N-Nitroso-Di-N-Propylamine	---	U	103	ug/kg dry	
Hexachloroethane	---	U	103	ug/kg dry	
Nitrobenzene	---	U	103	ug/kg dry	
Isophorone	---	U	103	ug/kg dry	
2-Nitrophenol	---	U	103	ug/kg dry	
2,4-Dimethylphenol	---	U	103	ug/kg dry	
Bis(-2-Chloroethoxy)Methane	---	U	103	ug/kg dry	
2,4-Dichlorophenol	---	U	103	ug/kg dry	
Naphthalene	---	U	103	ug/kg dry	
4-Chloroaniline	---	U	103	ug/kg dry	
Hexachlorobutadiene	---	U	103	ug/kg dry	
Caprolactam	---	U	103	ug/kg dry	
4-Chloro-3-Methylphenol	---	U	103	ug/kg dry	
2-Methylnaphthalene	---	U	103	ug/kg dry	
1,2,4,5-Tetrachlorobenzene	---	U	103	ug/kg dry	
Hexachlorocyclopentadiene	---	U	103	ug/kg dry	
2,4,6-Trichlorophenol	---	U	103	ug/kg dry	
2,4,5-Trichlorophenol	---	U	103	ug/kg dry	
Biphenyl	---	U	103	ug/kg dry	
2-Chloronaphthalene	---	U	103	ug/kg dry	
2-Nitroaniline	---	U	103	ug/kg dry	
Dimethyl Phthalate	192		103	ug/kg dry	
Acenaphthylene	---	U	103	ug/kg dry	

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: SB-900-A					Sample ID: 1606039-07
NVOA GCMS					
2,6-Dinitrotoluene	---	U	103	ug/kg dry	
3-Nitroaniline	---	U	103	ug/kg dry	
Acenaphthene	---	U	103	ug/kg dry	
2,4-Dinitrophenol	---	U J	344	ug/kg dry	
4-Nitrophenol	---	U	103	ug/kg dry	
Dibenzofuran	---	U	103	ug/kg dry	
2,4-Dinitrotoluene	---	U	103	ug/kg dry	
2,3,4,6-Tetrachlorophenol	---	U	103	ug/kg dry	
Fluorene	---	U	103	ug/kg dry	
Diethylphthalate	---	U	103	ug/kg dry	
4-Chlorophenyl-Phenylether	---	U	103	ug/kg dry	
4-Nitroaniline	---	U	103	ug/kg dry	
4,6-Dinitro-2-Methylphenol	---	U	103	ug/kg dry	
N-Nitrosodiphenylamine	---	U	103	ug/kg dry	
4-Bromophenyl-Phenylether	---	U	103	ug/kg dry	
Hexachlorobenzene	---	U	103	ug/kg dry	
Atrazine	---	U	103	ug/kg dry	
Pentachlorophenol	---	U	103	ug/kg dry	
Phenanthrene	---	U	103	ug/kg dry	
Anthracene	---	U	103	ug/kg dry	
Carbazole	---	U	103	ug/kg dry	
Di-N-Butyl Phthalate	---	U	103	ug/kg dry	
Fluoranthene	---	U	103	ug/kg dry	
Pyrene	---	U	103	ug/kg dry	
Butylbenzylphthalate	---	U	103	ug/kg dry	
3,3'- Dichlorobenzidine	---	U	103	ug/kg dry	
Benzo(A)Anthracene	---	U	103	ug/kg dry	
Chrysene	---	U	103	ug/kg dry	

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: SB-900-A				Sample ID: 1606039-07	
NVOA GCMS					
Bis(2-Ethylhexyl)Phthalate	---	U	103	ug/kg dry	
Di-N-Octyl Phthalate	---	U	103	ug/kg dry	
Benzo(B)Fluoranthene	---	U	103	ug/kg dry	
Benzo(K)Fluoranthene	---	U	103	ug/kg dry	
Benzo(A)Pyrene	---	U	103	ug/kg dry	
Indeno(1,2,3-Cd)Pyrene	---	U	103	ug/kg dry	
Dibenzo(A,H)Anthracene	---	U	103	ug/kg dry	
Benzo(G,H,I)Perylene	---	U	103	ug/kg dry	
PCB Aroclors GC					
Aroclor 1016	---	U J	32	ug/kg dry	
Aroclor 1221	---	U J	64	ug/kg dry	
Aroclor 1232	---	U J	32	ug/kg dry	
Aroclor 1242	---	U J	32	ug/kg dry	
Aroclor 1248	---	U J	32	ug/kg dry	
Aroclor 1254	---	U J	32	ug/kg dry	
Aroclor 1260	---	U J	32	ug/kg dry	
Aroclor 1262	---	U J	32	ug/kg dry	
Aroclor 1268	---	U J	32	ug/kg dry	
Metals ICP					
Aluminum	6500		8.4	mg/kg dry	
Antimony	---	U	1.7	mg/kg dry	
Arsenic	3.7		0.67	mg/kg dry	
Barium	12		8.4	mg/kg dry	
Beryllium	---	U	0.25	mg/kg dry	
Cadmium	---	U	0.25	mg/kg dry	
Calcium	230		42	mg/kg dry	
Chromium	7.9		0.42	mg/kg dry	
Cobalt	5.3		1.7	mg/kg dry	

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: SB-900-A				Sample ID: 1606039-07	
Metals ICP					
Copper	10		0.84	mg/kg dry	
Iron	12000		4.2	mg/kg dry	
Lead	6.2		0.67	mg/kg dry	
Magnesium	2100		42	mg/kg dry	
Manganese	320		0.42	mg/kg dry	
Nickel	13		1.7	mg/kg dry	
Potassium	300		42	mg/kg dry	
Selenium	---	U	1.7	mg/kg dry	
Silver	---	U	0.42	mg/kg dry	
Sodium	---	U	84	mg/kg dry	
Thallium	---	U	1.7	mg/kg dry	
Tin	---	U	0.84	mg/kg dry	
Vanadium	9.5		1.7	mg/kg dry	
Zinc	31		1.7	mg/kg dry	
Field ID: KR-SB-09-A				Sample ID: 1606039-08	
VOA GCMS					
Dichlorodifluoromethane	---	U	4.4	ug/kg dry	
Chloromethane	---	U	4.4	ug/kg dry	
Vinyl Chloride	---	U	4.4	ug/kg dry	
Bromomethane	---	U J	110	ug/kg dry	
Chloroethane	---	U	4.4	ug/kg dry	
Trichlorofluoromethane	---	U	4.4	ug/kg dry	
1,1-Dichloroethene	---	U	4.4	ug/kg dry	
1,1,2-Trichloro-1,2,2-Trifluoroethane	---	U	4.4	ug/kg dry	
Carbon Disulfide	---	U	4.4	ug/kg dry	
Acetone	18	J	8.9	ug/kg dry	
Methyl Acetate	---	U J	4.4	ug/kg dry	

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SB-09-A				Sample ID: 1606039-08	
VOA GCMS					
Methylene Chloride	---	U	4.4	ug/kg dry	
trans-1,2-Dichloroethene	---	U	4.4	ug/kg dry	
cis-1,2-Dichloroethene	---	U	4.4	ug/kg dry	
Methyl tert-Butyl Ether	---	U L	4.4	ug/kg dry	
1,1-Dichloroethane	---	U	4.4	ug/kg dry	
2-Butanone	---	U	8.9	ug/kg dry	
Bromochloromethane	---	U	4.4	ug/kg dry	
Chloroform	---	U	4.4	ug/kg dry	
1,2-Dichloroethane	---	U	4.4	ug/kg dry	
1,1,1-Trichloroethane	---	U	4.4	ug/kg dry	
Cyclohexane	---	U	4.4	ug/kg dry	
Carbon Tetrachloride	---	U	4.4	ug/kg dry	
Benzene	---	U	4.4	ug/kg dry	
Trichloroethene	---	U	4.4	ug/kg dry	
Methylcyclohexane	---	U	4.4	ug/kg dry	
1,2-Dichloropropane	---	U J	4.4	ug/kg dry	
Bromodichloromethane	---	U	4.4	ug/kg dry	
cis-1,3-Dichloropropene	---	U	8.9	ug/kg dry	
trans-1,3-Dichloropropene	---	U	4.4	ug/kg dry	
1,1,2-Trichloroethane	---	U	4.4	ug/kg dry	
Dibromochloromethane	---	U	4.4	ug/kg dry	
Bromoform	---	U	4.4	ug/kg dry	
4-Methyl-2-Pentanone	---	U	8.9	ug/kg dry	
Toluene	---	U	4.4	ug/kg dry	
Tetrachloroethene	11		4.4	ug/kg dry	
2-Hexanone	---	U	86	ug/kg dry	
1,2-Dibromoethane	---	U	4.4	ug/kg dry	
Chlorobenzene	---	U	4.4	ug/kg dry	

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SB-09-A				Sample ID: 1606039-08	
VOA GCMS					
Ethylbenzene	---	U	4.4	ug/kg dry	
m/p-Xylene	---	U	4.4	ug/kg dry	
o-Xylene	---	U	4.4	ug/kg dry	
Styrene	---	U	4.4	ug/kg dry	
Isopropylbenzene	---	U	4.4	ug/kg dry	
1,1,2,2-Tetrachloroethane	---	U	4.4	ug/kg dry	
1,3-Dichlorobenzene	---	U	4.4	ug/kg dry	
1,4-Dichlorobenzene	---	U	4.4	ug/kg dry	
1,2-Dichlorobenzene	---	U	4.4	ug/kg dry	
1,2-Dibromo-3-Chloropropane	---	U	4.4	ug/kg dry	
1,2,4-Trichlorobenzene	---	U	4.4	ug/kg dry	
1,2,3-Trichlorobenzene	---	U	4.4	ug/kg dry	
NVOA GCMS					
1,4-Dioxane	---	U	71.3	ug/kg dry	
Benzaldehyde	---	U	106	ug/kg dry	
Phenol	---	U	106	ug/kg dry	
Bis(2-Chloroethyl)Ether	---	U	106	ug/kg dry	
2-Chlorophenol	---	U	106	ug/kg dry	
2-Methylphenol	---	U	106	ug/kg dry	
Bis(2-Chloroisopropyl)Ether	---	U	106	ug/kg dry	
Acetophenone	---	U	106	ug/kg dry	
4-Methylphenol	---	U	106	ug/kg dry	
N-Nitroso-Di-N-Propylamine	---	U	106	ug/kg dry	
Hexachloroethane	---	U	106	ug/kg dry	
Nitrobenzene	---	U	106	ug/kg dry	
Isophorone	---	U	106	ug/kg dry	
2-Nitrophenol	---	U	106	ug/kg dry	
2,4-Dimethylphenol	---	U	106	ug/kg dry	

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SB-09-A				Sample ID: 1606039-08	
NVOA GCMS					
Bis(-2-Chloroethoxy)Methane	---	U	106	ug/kg dry	
2,4-Dichlorophenol	---	U	106	ug/kg dry	
Naphthalene	---	U	106	ug/kg dry	
4-Chloroaniline	---	U	106	ug/kg dry	
Hexachlorobutadiene	---	U	106	ug/kg dry	
Caprolactam	---	U	106	ug/kg dry	
4-Chloro-3-Methylphenol	---	U	106	ug/kg dry	
2-Methylnaphthalene	---	U	106	ug/kg dry	
1,2,4,5-Tetrachlorobenzene	---	U	106	ug/kg dry	
Hexachlorocyclopentadiene	---	U	106	ug/kg dry	
2,4,6-Trichlorophenol	---	U	106	ug/kg dry	
2,4,5-Trichlorophenol	---	U	106	ug/kg dry	
Biphenyl	---	U	106	ug/kg dry	
2-Chloronaphthalene	---	U	106	ug/kg dry	
2-Nitroaniline	---	U	106	ug/kg dry	
Dimethyl Phthalate	194		106	ug/kg dry	
Acenaphthylene	---	U	106	ug/kg dry	
2,6-Dinitrotoluene	---	U	106	ug/kg dry	
3-Nitroaniline	---	U	106	ug/kg dry	
Acenaphthene	---	U	106	ug/kg dry	
2,4-Dinitrophenol	---	U J	887	ug/kg dry	
4-Nitrophenol	---	U	106	ug/kg dry	
Dibenzofuran	---	U	106	ug/kg dry	
2,4-Dinitrotoluene	---	U	106	ug/kg dry	
2,3,4,6-Tetrachlorophenol	---	U	106	ug/kg dry	
Fluorene	---	U	106	ug/kg dry	
Diethylphthalate	---	U	106	ug/kg dry	
4-Chlorophenyl-Phenylether	---	U	106	ug/kg dry	

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SB-09-A				Sample ID: 1606039-08	
NVOA GCMS					
4-Nitroaniline	---	U	106	ug/kg dry	
4,6-Dinitro-2-Methylphenol	---	U	106	ug/kg dry	
N-Nitrosodiphenylamine	---	U	106	ug/kg dry	
4-Bromophenyl-Phenylether	---	U	106	ug/kg dry	
Hexachlorobenzene	---	U	106	ug/kg dry	
Atrazine	---	U	106	ug/kg dry	
Pentachlorophenol	---	U	106	ug/kg dry	
Phenanthrene	---	U	106	ug/kg dry	
Anthracene	---	U	106	ug/kg dry	
Carbazole	---	U	106	ug/kg dry	
Di-N-Butyl Phthalate	---	U	106	ug/kg dry	
Fluoranthene	---	U	106	ug/kg dry	
Pyrene	---	U	106	ug/kg dry	
Butylbenzylphthalate	---	U	106	ug/kg dry	
3,3'- Dichlorobenzidine	---	U	106	ug/kg dry	
Benzo(A)Anthracene	---	U	106	ug/kg dry	
Chrysene	---	U	106	ug/kg dry	
Bis(2-Ethylhexyl)Phthalate	---	U	106	ug/kg dry	
Di-N-Octyl Phthalate	---	U	106	ug/kg dry	
Benzo(B)Fluoranthene	---	U	106	ug/kg dry	
Benzo(K)Fluoranthene	---	U	106	ug/kg dry	
Benzo(A)Pyrene	---	U	106	ug/kg dry	
Indeno(1,2,3-Cd)Pyrene	---	U	106	ug/kg dry	
Dibenzo(A,H)Anthracene	---	U	106	ug/kg dry	
Benzo(G,H,I)Perylene	---	U	106	ug/kg dry	

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Project: Kingston Rail Yard - 1606029

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SB-09-A				Sample ID: 1606039-08	
PCB Aroclors GC					
Aroclor 1016	---	U J	33	ug/kg dry	
Aroclor 1221	---	U J	66	ug/kg dry	
Aroclor 1232	---	U J	33	ug/kg dry	
Aroclor 1242	---	U J	33	ug/kg dry	
Aroclor 1248	---	U J	33	ug/kg dry	
Aroclor 1254	---	U J	33	ug/kg dry	
Aroclor 1260	---	U J	33	ug/kg dry	
Aroclor 1262	---	U J	33	ug/kg dry	
Aroclor 1268	---	U J	33	ug/kg dry	
Metals ICP					
Aluminum	7200		8.8	mg/kg dry	
Antimony	---	U	1.8	mg/kg dry	
Arsenic	2.9		0.70	mg/kg dry	
Barium	43		8.8	mg/kg dry	
Beryllium	---	U	0.26	mg/kg dry	
Cadmium	---	U	0.26	mg/kg dry	
Calcium	590		44	mg/kg dry	
Chromium	7.5		0.44	mg/kg dry	
Cobalt	4.5		1.8	mg/kg dry	
Copper	7.8		0.88	mg/kg dry	
Iron	11000		4.4	mg/kg dry	
Lead	6.7		0.70	mg/kg dry	
Magnesium	1500		44	mg/kg dry	
Manganese	420		0.44	mg/kg dry	
Nickel	10		1.8	mg/kg dry	
Potassium	340		44	mg/kg dry	
Selenium	---	U	1.8	mg/kg dry	

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SB-09-A				Sample ID: 1606039-08	
Metals ICP					
Silver	---	U	0.44	mg/kg dry	
Sodium	---	U	88	mg/kg dry	
Thallium	---	U	1.8	mg/kg dry	
Tin	---	U	0.88	mg/kg dry	
Vanadium	10		1.8	mg/kg dry	
Zinc	28		1.8	mg/kg dry	
Field ID: KR-SB-11-A				Sample ID: 1606039-09	
VOA GCMS					
Dichlorodifluoromethane	---	U	4.7	ug/kg dry	
Chloromethane	---	U	4.7	ug/kg dry	
Vinyl Chloride	---	U	4.7	ug/kg dry	
Bromomethane	---	U J	120	ug/kg dry	
Chloroethane	---	U	4.7	ug/kg dry	
Trichlorofluoromethane	---	U	4.7	ug/kg dry	
1,1-Dichloroethene	---	U	4.7	ug/kg dry	
1,1,2-Trichloro-1,2,2-Trifluoroethane	---	U	4.7	ug/kg dry	
Carbon Disulfide	---	U	4.7	ug/kg dry	
Acetone	22	J	9.3	ug/kg dry	
Methyl Acetate	---	U J	4.7	ug/kg dry	
Methylene Chloride	---	U	4.7	ug/kg dry	
trans-1,2-Dichloroethene	---	U	4.7	ug/kg dry	
cis-1,2-Dichloroethene	---	U	4.7	ug/kg dry	
Methyl tert-Butyl Ether	---	U L	4.7	ug/kg dry	
1,1-Dichloroethane	---	U	4.7	ug/kg dry	
2-Butanone	---	U	9.3	ug/kg dry	
Bromochloromethane	---	U	4.7	ug/kg dry	
Chloroform	---	U	4.7	ug/kg dry	
1,2-Dichloroethane	---	U	4.7	ug/kg dry	

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SB-11-A				Sample ID: 1606039-09	
VOA GCMS					
1,1,1-Trichloroethane	---	U	4.7	ug/kg dry	
Cyclohexane	---	U	4.7	ug/kg dry	
Carbon Tetrachloride	---	U	4.7	ug/kg dry	
Benzene	---	U	4.7	ug/kg dry	
Trichloroethene	---	U	4.7	ug/kg dry	
Methylcyclohexane	---	U	4.7	ug/kg dry	
1,2-Dichloropropane	---	U J	4.7	ug/kg dry	
Bromodichloromethane	---	U	4.7	ug/kg dry	
cis-1,3-Dichloropropene	---	U	9.3	ug/kg dry	
trans-1,3-Dichloropropene	---	U	4.7	ug/kg dry	
1,1,2-Trichloroethane	---	U	4.7	ug/kg dry	
Dibromochloromethane	---	U	4.7	ug/kg dry	
Bromoform	---	U	4.7	ug/kg dry	
4-Methyl-2-Pentanone	---	U	9.3	ug/kg dry	
Toluene	---	U	4.7	ug/kg dry	
Tetrachloroethene	1600		49	ug/kg dry	
2-Hexanone	---	U	91	ug/kg dry	
1,2-Dibromoethane	---	U	4.7	ug/kg dry	
Chlorobenzene	---	U	4.7	ug/kg dry	
Ethylbenzene	---	U	4.7	ug/kg dry	
m/p-Xylene	---	U	4.7	ug/kg dry	
o-Xylene	---	U	4.7	ug/kg dry	
Styrene	---	U	4.7	ug/kg dry	
Isopropylbenzene	---	U	4.7	ug/kg dry	
1,1,2,2-Tetrachloroethane	---	U	4.7	ug/kg dry	
1,3-Dichlorobenzene	---	U	4.7	ug/kg dry	
1,4-Dichlorobenzene	---	U	4.7	ug/kg dry	
1,2-Dichlorobenzene	---	U	4.7	ug/kg dry	

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SB-11-A				Sample ID: 1606039-09	
VOA GCMS					
1,2-Dibromo-3-Chloropropane	---	U	4.7	ug/kg dry	
1,2,4-Trichlorobenzene	---	U	4.7	ug/kg dry	
1,2,3-Trichlorobenzene	---	U	4.7	ug/kg dry	
NVOA GCMS					
1,4-Dioxane	---	U	72.5	ug/kg dry	
Benzaldehyde	---	U	108	ug/kg dry	
Phenol	---	U	108	ug/kg dry	
Bis(2-Chloroethyl)Ether	---	U	108	ug/kg dry	
2-Chlorophenol	---	U	108	ug/kg dry	
2-Methylphenol	---	U	108	ug/kg dry	
Bis(2-Chloroisopropyl)Ether	---	U	108	ug/kg dry	
Acetophenone	---	U	108	ug/kg dry	
4-Methylphenol	---	U	108	ug/kg dry	
N-Nitroso-Di-N-Propylamine	---	U	108	ug/kg dry	
Hexachloroethane	---	U	108	ug/kg dry	
Nitrobenzene	---	U	108	ug/kg dry	
Isophorone	---	U	108	ug/kg dry	
2-Nitrophenol	---	U	108	ug/kg dry	
2,4-Dimethylphenol	---	U	108	ug/kg dry	
Bis(-2-Chloroethoxy)Methane	---	U	108	ug/kg dry	
2,4-Dichlorophenol	---	U	108	ug/kg dry	
Naphthalene	406		108	ug/kg dry	
4-Chloroaniline	---	U	108	ug/kg dry	
Hexachlorobutadiene	---	U	108	ug/kg dry	
Caprolactam	---	U	108	ug/kg dry	
4-Chloro-3-Methylphenol	---	U	108	ug/kg dry	
2-Methylnaphthalene	414		108	ug/kg dry	
1,2,4,5-Tetrachlorobenzene	---	U	108	ug/kg dry	

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SB-11-A				Sample ID: 1606039-09	
NVOA GCMS					
Hexachlorocyclopentadiene	---	U	108	ug/kg dry	
2,4,6-Trichlorophenol	---	U	108	ug/kg dry	
2,4,5-Trichlorophenol	---	U	108	ug/kg dry	
Biphenyl	---	U	108	ug/kg dry	
2-Chloronaphthalene	---	U	108	ug/kg dry	
2-Nitroaniline	---	U	108	ug/kg dry	
Dimethyl Phthalate	215		108	ug/kg dry	
Acenaphthylene	400		108	ug/kg dry	
2,6-Dinitrotoluene	---	U	108	ug/kg dry	
3-Nitroaniline	---	U	108	ug/kg dry	
Acenaphthene	---	U	108	ug/kg dry	
2,4-Dinitrophenol	---	U J	901	ug/kg dry	
4-Nitrophenol	---	U	108	ug/kg dry	
Dibenzofuran	203		108	ug/kg dry	
2,4-Dinitrotoluene	---	U	108	ug/kg dry	
2,3,4,6-Tetrachlorophenol	---	U	108	ug/kg dry	
Fluorene	---	U	108	ug/kg dry	
Diethylphthalate	---	U	108	ug/kg dry	
4-Chlorophenyl-Phenylether	---	U	108	ug/kg dry	
4-Nitroaniline	---	U	108	ug/kg dry	
4,6-Dinitro-2-Methylphenol	---	U	108	ug/kg dry	
N-Nitrosodiphenylamine	---	U	108	ug/kg dry	
4-Bromophenyl-Phenylether	---	U	108	ug/kg dry	
Hexachlorobenzene	---	U	108	ug/kg dry	
Atrazine	---	U	108	ug/kg dry	
Pentachlorophenol	---	U	108	ug/kg dry	
Phenanthrene	699		108	ug/kg dry	
Anthracene	272		108	ug/kg dry	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SB-11-A				Sample ID: 1606039-09	
NVOA GCMS					
Carbazole	---	U	108	ug/kg dry	
Di-N-Butyl Phthalate	---	U	108	ug/kg dry	
Fluoranthene	2520		108	ug/kg dry	
Pyrene	2070		108	ug/kg dry	
Butylbenzylphthalate	---	U	108	ug/kg dry	
3,3'- Dichlorobenzidine	---	U	108	ug/kg dry	
Benzo(A)Anthracene	1920		108	ug/kg dry	
Chrysene	1950		108	ug/kg dry	
Bis(2-Ethylhexyl)Phthalate	---	U	108	ug/kg dry	
Di-N-Octyl Phthalate	---	U	108	ug/kg dry	
Benzo(B)Fluoranthene	2720		108	ug/kg dry	
Benzo(K)Fluoranthene	947		108	ug/kg dry	
Benzo(A)Pyrene	1510		108	ug/kg dry	
Indeno(1,2,3-Cd)Pyrene	1090		108	ug/kg dry	
Dibenzo(A,H)Anthracene	297		108	ug/kg dry	
Benzo(G,H,I)Perylene	793		108	ug/kg dry	
11H-Benzo[a]fluoren-11-one	950	NJ		ug/kg dry	
11H-Benzo[b]fluorene	1260	NJ		ug/kg dry	
Benz[a]anthracene, 7-methyl-	922	NJ		ug/kg dry	
Heptadecane, 2,6-dimethyl-	1960	NJ		ug/kg dry	
Hexadecane, 2,6,10,14-tetra...	1170	NJ		ug/kg dry	
Hexanoic acid, 2-ethyl-	4160	NJ		ug/kg dry	
Phenanthrene, 2,5-dimethyl-	743	NJ		ug/kg dry	
Phenanthrene, 2-methyl-	762	NJ		ug/kg dry	
Tetrachloroethylene	4930	NJ		ug/kg dry	

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SB-11-A				Sample ID: 1606039-09	
PCB Aroclors GC					
Aroclor 1016	---	U J	34	ug/kg dry	
Aroclor 1221	---	U J	67	ug/kg dry	
Aroclor 1232	---	U J	34	ug/kg dry	
Aroclor 1242	---	U J	34	ug/kg dry	
Aroclor 1248	---	U J	34	ug/kg dry	
Aroclor 1254	---	U J	34	ug/kg dry	
Aroclor 1260	---	U J	34	ug/kg dry	
Aroclor 1262	---	U J	34	ug/kg dry	
Aroclor 1268	---	U J	34	ug/kg dry	
Metals ICP					
Aluminum	5400		8.8	mg/kg dry	
Antimony	4.1		1.8	mg/kg dry	
Arsenic	8.0		0.71	mg/kg dry	
Barium	44		8.8	mg/kg dry	
Beryllium	0.28		0.26	mg/kg dry	
Cadmium	---	U	0.26	mg/kg dry	
Calcium	1300		44	mg/kg dry	
Chromium	9.6		0.44	mg/kg dry	
Cobalt	6.4		1.8	mg/kg dry	
Copper	64		0.88	mg/kg dry	
Iron	19000		4.4	mg/kg dry	
Lead	79		0.71	mg/kg dry	
Magnesium	1600		44	mg/kg dry	
Manganese	370		0.44	mg/kg dry	
Nickel	16		1.8	mg/kg dry	
Potassium	320		44	mg/kg dry	
Selenium	---	U	1.8	mg/kg dry	

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SB-11-A				Sample ID: 1606039-09	
Metals ICP					
Silver	---	U	0.44	mg/kg dry	
Sodium	---	U	88	mg/kg dry	
Thallium	---	U	1.8	mg/kg dry	
Tin	8.8		0.88	mg/kg dry	
Vanadium	10		1.8	mg/kg dry	
Zinc	38		1.8	mg/kg dry	
Field ID: KR-SS-09-A				Sample ID: 1606039-10	
NVOA GCMS					
1,4-Dioxane	---	U	70.1	ug/kg dry	
Benzaldehyde	---	U	105	ug/kg dry	
Phenol	---	U	105	ug/kg dry	
Bis(2-Chloroethyl)Ether	---	U	105	ug/kg dry	
2-Chlorophenol	---	U	105	ug/kg dry	
2-Methylphenol	---	U	105	ug/kg dry	
Bis(2-Chloroisopropyl)Ether	---	U	105	ug/kg dry	
Acetophenone	---	U	105	ug/kg dry	
4-Methylphenol	---	U	105	ug/kg dry	
N-Nitroso-Di-N-Propylamine	---	U	105	ug/kg dry	
Hexachloroethane	---	U	105	ug/kg dry	
Nitrobenzene	---	U	105	ug/kg dry	
Isophorone	---	U	105	ug/kg dry	
2-Nitrophenol	---	U	105	ug/kg dry	
2,4-Dimethylphenol	---	U	105	ug/kg dry	
Bis(-2-Chloroethoxy)Methane	---	U	105	ug/kg dry	
2,4-Dichlorophenol	---	U	105	ug/kg dry	
Naphthalene	---	U	105	ug/kg dry	
4-Chloroaniline	---	U	105	ug/kg dry	
Hexachlorobutadiene	---	U	105	ug/kg dry	

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SS-09-A				Sample ID: 1606039-10	
NVOA GCMS					
Caprolactam	---	U	105	ug/kg dry	
4-Chloro-3-Methylphenol	---	U	105	ug/kg dry	
2-Methylnaphthalene	---	U	105	ug/kg dry	
1,2,4,5-Tetrachlorobenzene	---	U	105	ug/kg dry	
Hexachlorocyclopentadiene	---	U	105	ug/kg dry	
2,4,6-Trichlorophenol	---	U	105	ug/kg dry	
2,4,5-Trichlorophenol	---	U	105	ug/kg dry	
Biphenyl	---	U	105	ug/kg dry	
2-Chloronaphthalene	---	U	105	ug/kg dry	
2-Nitroaniline	---	U	105	ug/kg dry	
Dimethyl Phthalate	116		105	ug/kg dry	
Acenaphthylene	108		105	ug/kg dry	
2,6-Dinitrotoluene	---	U	105	ug/kg dry	
3-Nitroaniline	---	U	105	ug/kg dry	
Acenaphthene	108		105	ug/kg dry	
2,4-Dinitrophenol	---	U J	872	ug/kg dry	
4-Nitrophenol	---	U	105	ug/kg dry	
Dibenzofuran	---	U	105	ug/kg dry	
2,4-Dinitrotoluene	---	U	105	ug/kg dry	
2,3,4,6-Tetrachlorophenol	---	U	105	ug/kg dry	
Fluorene	192		105	ug/kg dry	
Diethylphthalate	---	U	105	ug/kg dry	
4-Chlorophenyl-Phenylether	---	U	105	ug/kg dry	
4-Nitroaniline	---	U	105	ug/kg dry	
4,6-Dinitro-2-Methylphenol	---	U	105	ug/kg dry	
N-Nitrosodiphenylamine	---	U	105	ug/kg dry	
4-Bromophenyl-Phenylether	---	U	105	ug/kg dry	
Hexachlorobenzene	---	U	105	ug/kg dry	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SS-09-A				Sample ID: 1606039-10	
NVOA GCMS					
Atrazine	---	U	105	ug/kg dry	
Pentachlorophenol	---	U	105	ug/kg dry	
Phenanthrene	2960		105	ug/kg dry	
Anthracene	1980		105	ug/kg dry	
Carbazole	344		105	ug/kg dry	
Di-N-Butyl Phthalate	---	U	105	ug/kg dry	
Fluoranthene	8210		523	ug/kg dry	
Pyrene	6050		523	ug/kg dry	
Butylbenzylphthalate	---	U	105	ug/kg dry	
3,3'- Dichlorobenzidine	---	U	105	ug/kg dry	
Benzo(A)Anthracene	2950		105	ug/kg dry	
Chrysene	3750		523	ug/kg dry	
Bis(2-Ethylhexyl)Phthalate	---	U	105	ug/kg dry	
Di-N-Octyl Phthalate	---	U	105	ug/kg dry	
Benzo(B)Fluoranthene	3600		523	ug/kg dry	
Benzo(K)Fluoranthene	1220		105	ug/kg dry	
Benzo(A)Pyrene	1580		105	ug/kg dry	
Indeno(1,2,3-Cd)Pyrene	876		105	ug/kg dry	
Dibenzo(A,H)Anthracene	216		105	ug/kg dry	
Benzo(G,H,I)Perylene	627		105	ug/kg dry	
11H-Benzo[a]fluoren-11-one (01)	1420	NJ		ug/kg dry	
11H-Benzo[b]fluorene	1500	NJ		ug/kg dry	
4H-Cyclopenta[def]phenanthrene	1340	NJ		ug/kg dry	
Benzo[b]naphtho[2,3-d]thiop...	888	NJ		ug/kg dry	
Phenanthrene, 2-methyl-	895	NJ		ug/kg dry	
Pyrene, 1-methyl-	1060	NJ		ug/kg dry	

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SS-09-A				Sample ID: 1606039-10	
PCB Aroclors GC					
Aroclor 1016	---	U J	32	ug/kg dry	
Aroclor 1221	---	U J	65	ug/kg dry	
Aroclor 1232	---	U J	32	ug/kg dry	
Aroclor 1242	---	U J	32	ug/kg dry	
Aroclor 1248	---	U J	32	ug/kg dry	
Aroclor 1254	---	U J	32	ug/kg dry	
Aroclor 1260	---	U J	32	ug/kg dry	
Aroclor 1262	---	U J	32	ug/kg dry	
Aroclor 1268	---	U J	32	ug/kg dry	
Metals ICP					
Aluminum	5700		8.6	mg/kg dry	
Antimony	3.7		1.7	mg/kg dry	
Arsenic	7.2		0.69	mg/kg dry	
Barium	46		8.6	mg/kg dry	
Beryllium	0.28		0.26	mg/kg dry	
Cadmium	0.36		0.26	mg/kg dry	
Calcium	11000		43	mg/kg dry	
Chromium	9.4		0.43	mg/kg dry	
Cobalt	6.6		1.7	mg/kg dry	
Copper	77		0.86	mg/kg dry	
Iron	20000		4.3	mg/kg dry	
Lead	170		0.69	mg/kg dry	
Magnesium	2000		43	mg/kg dry	
Manganese	410		0.43	mg/kg dry	
Nickel	15		1.7	mg/kg dry	
Potassium	390		43	mg/kg dry	
Selenium	---	U	1.7	mg/kg dry	

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SS-09-A				Sample ID: 1606039-10	
Metals ICP					
Silver	---	U	0.43	mg/kg dry	
Sodium	---	U	86	mg/kg dry	
Thallium	---	U	1.7	mg/kg dry	
Tin	10		0.86	mg/kg dry	
Vanadium	11		1.7	mg/kg dry	
Zinc	58		1.7	mg/kg dry	
Field ID: SB-900-B				Sample ID: 1606039-11	
VOA GCMS					
Dichlorodifluoromethane	---	U	6.0	ug/kg dry	
Chloromethane	6.3		6.0	ug/kg dry	
Vinyl Chloride	---	U	6.0	ug/kg dry	
Bromomethane	---	U J	150	ug/kg dry	
Chloroethane	---	U	6.0	ug/kg dry	
Trichlorofluoromethane	---	U	6.0	ug/kg dry	
1,1-Dichloroethene	---	U	6.0	ug/kg dry	
1,1,2-Trichloro-1,2,2-Trifluoroethane	---	U	6.0	ug/kg dry	
Carbon Disulfide	---	U	6.0	ug/kg dry	
Acetone	33	J	12	ug/kg dry	
Methyl Acetate	6.1	J	6.0	ug/kg dry	
Methylene Chloride	---	U	6.0	ug/kg dry	
trans-1,2-Dichloroethene	---	U	6.0	ug/kg dry	
cis-1,2-Dichloroethene	---	U	6.0	ug/kg dry	
Methyl tert-Butyl Ether	---	U L	6.0	ug/kg dry	
1,1-Dichloroethane	---	U	6.0	ug/kg dry	
2-Butanone	---	U	12	ug/kg dry	
Bromochloromethane	---	U	6.0	ug/kg dry	
Chloroform	---	U	6.0	ug/kg dry	

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: SB-900-B				Sample ID: 1606039-11	
VOA GCMS					
1,2-Dichloroethane	---	U	6.0	ug/kg dry	
1,1,1-Trichloroethane	---	U	6.0	ug/kg dry	
Cyclohexane	---	U	6.0	ug/kg dry	
Carbon Tetrachloride	---	U	6.0	ug/kg dry	
Benzene	---	U	6.0	ug/kg dry	
Trichloroethene	11		6.0	ug/kg dry	
Methylcyclohexane	---	U	6.0	ug/kg dry	
1,2-Dichloropropane	---	U J	6.0	ug/kg dry	
Bromodichloromethane	---	U	6.0	ug/kg dry	
cis-1,3-Dichloropropene	---	U	12	ug/kg dry	
trans-1,3-Dichloropropene	---	U	6.0	ug/kg dry	
1,1,2-Trichloroethane	---	U	6.0	ug/kg dry	
Dibromochloromethane	---	U	6.0	ug/kg dry	
Bromoform	---	U	6.0	ug/kg dry	
4-Methyl-2-Pentanone	---	U J	12	ug/kg dry	
Toluene	---	U J	6.0	ug/kg dry	
Tetrachloroethene	830	K	33	ug/kg dry	
2-Hexanone	---	U J	120	ug/kg dry	
1,2-Dibromoethane	---	U J	6.0	ug/kg dry	
Chlorobenzene	---	U J	6.0	ug/kg dry	
Ethylbenzene	---	U J	6.0	ug/kg dry	
m/p-Xylene	---	U J	6.0	ug/kg dry	
o-Xylene	---	U J	6.0	ug/kg dry	
Styrene	---	U J	6.0	ug/kg dry	
Isopropylbenzene	---	U J	6.0	ug/kg dry	
1,1,2,2-Tetrachloroethane	---	U J	6.0	ug/kg dry	
1,3-Dichlorobenzene	---	U J	6.0	ug/kg dry	
1,4-Dichlorobenzene	---	U J	6.0	ug/kg dry	

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: SB-900-B				Sample ID: 1606039-11	
VOA GCMS					
1,2-Dichlorobenzene	---	U J	6.0	ug/kg dry	
1,2-Dibromo-3-Chloropropane	---	U J	6.0	ug/kg dry	
1,2,4-Trichlorobenzene	---	U J	6.0	ug/kg dry	
1,2,3-Trichlorobenzene	---	U J	6.0	ug/kg dry	
NVOA GCMS					
1,4-Dioxane	---	U	72.5	ug/kg dry	
Benzaldehyde	---	U	108	ug/kg dry	
Phenol	---	U	108	ug/kg dry	
Bis(2-Chloroethyl)Ether	---	U	108	ug/kg dry	
2-Chlorophenol	---	U	108	ug/kg dry	
2-Methylphenol	---	U	108	ug/kg dry	
Bis(2-Chloroisopropyl)Ether	---	U	108	ug/kg dry	
Acetophenone	---	U	108	ug/kg dry	
4-Methylphenol	---	U	108	ug/kg dry	
N-Nitroso-Di-N-Propylamine	---	U	108	ug/kg dry	
Hexachloroethane	---	U	108	ug/kg dry	
Nitrobenzene	---	U	108	ug/kg dry	
Isophorone	---	U	108	ug/kg dry	
2-Nitrophenol	---	U	108	ug/kg dry	
2,4-Dimethylphenol	---	U	108	ug/kg dry	
Bis(-2-Chloroethoxy)Methane	---	U	108	ug/kg dry	
2,4-Dichlorophenol	---	U	108	ug/kg dry	
Naphthalene	300		108	ug/kg dry	
4-Chloroaniline	---	U	108	ug/kg dry	
Hexachlorobutadiene	---	U	108	ug/kg dry	
Caprolactam	---	U	108	ug/kg dry	
4-Chloro-3-Methylphenol	---	U	108	ug/kg dry	
2-Methylnaphthalene	280		108	ug/kg dry	

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: SB-900-B				Sample ID: 1606039-11	
NVOA GCMS					
1,2,4,5-Tetrachlorobenzene	---	U	108	ug/kg dry	
Hexachlorocyclopentadiene	---	U	108	ug/kg dry	
2,4,6-Trichlorophenol	---	U	108	ug/kg dry	
2,4,5-Trichlorophenol	---	U	108	ug/kg dry	
Biphenyl	---	U	108	ug/kg dry	
2-Chloronaphthalene	---	U	108	ug/kg dry	
2-Nitroaniline	---	U	108	ug/kg dry	
Dimethyl Phthalate	142		108	ug/kg dry	
Acenaphthylene	395		108	ug/kg dry	
2,6-Dinitrotoluene	---	U	108	ug/kg dry	
3-Nitroaniline	---	U	108	ug/kg dry	
Acenaphthene	---	U	108	ug/kg dry	
2,4-Dinitrophenol	---	U J	902	ug/kg dry	
4-Nitrophenol	---	U	108	ug/kg dry	
Dibenzofuran	175		108	ug/kg dry	
2,4-Dinitrotoluene	---	U	108	ug/kg dry	
2,3,4,6-Tetrachlorophenol	---	U	108	ug/kg dry	
Fluorene	---	U	108	ug/kg dry	
Diethylphthalate	---	U	108	ug/kg dry	
4-Chlorophenyl-Phenylether	---	U	108	ug/kg dry	
4-Nitroaniline	---	U	108	ug/kg dry	
4,6-Dinitro-2-Methylphenol	---	U	108	ug/kg dry	
N-Nitrosodiphenylamine	---	U	108	ug/kg dry	
4-Bromophenyl-Phenylether	---	U	108	ug/kg dry	
Hexachlorobenzene	---	U	108	ug/kg dry	
Atrazine	---	U	108	ug/kg dry	
Pentachlorophenol	---	U	108	ug/kg dry	
Phenanthrene	793		108	ug/kg dry	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: SB-900-B				Sample ID: 1606039-11	
NVOA GCMS					
Anthracene	311		108	ug/kg dry	
Carbazole	---	U	108	ug/kg dry	
Di-N-Butyl Phthalate	---	U	108	ug/kg dry	
Fluoranthene	2780		108	ug/kg dry	
Pyrene	2290		108	ug/kg dry	
Butylbenzylphthalate	---	U	108	ug/kg dry	
3,3'- Dichlorobenzidine	---	U	108	ug/kg dry	
Benzo(A)Anthracene	2040		108	ug/kg dry	
Chrysene	1900		108	ug/kg dry	
Bis(2-Ethylhexyl)Phthalate	---	U	108	ug/kg dry	
Di-N-Octyl Phthalate	---	U	108	ug/kg dry	
Benzo(B)Fluoranthene	2910		108	ug/kg dry	
Benzo(K)Fluoranthene	866		108	ug/kg dry	
Benzo(A)Pyrene	1500		108	ug/kg dry	
Indeno(1,2,3-Cd)Pyrene	1010		108	ug/kg dry	
Dibenzo(A,H)Anthracene	277		108	ug/kg dry	
Benzo(G,H,I)Perylene	686		108	ug/kg dry	
11H-Benzo[a]fluoren-11-one	1020	NJ		ug/kg dry	
11H-Benzo[b]fluorene	1230	NJ		ug/kg dry	
Heptadecane, 2,6-dimethyl-	2370	NJ		ug/kg dry	
Heptadecane, 4-methyl-	710	NJ		ug/kg dry	
Hexadecane, 2,6,10,14-tetra...	1820	NJ		ug/kg dry	
Hexanoic acid, 2-ethyl-	2850	NJ		ug/kg dry	
Phenanthrene, 2-methyl-	706	NJ		ug/kg dry	
Tetrachloroethylene	1760	NJ		ug/kg dry	
Triphenylene, 2-methyl-	1010	NJ		ug/kg dry	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: SB-900-B				Sample ID: 1606039-11	
PCB Aroclors GC					
Aroclor 1016	---	U J	34	ug/kg dry	
Aroclor 1221	---	U J	67	ug/kg dry	
Aroclor 1232	---	U J	34	ug/kg dry	
Aroclor 1242	---	U J	34	ug/kg dry	
Aroclor 1248	---	U J	34	ug/kg dry	
Aroclor 1254	---	U J	34	ug/kg dry	
Aroclor 1260	---	U J	34	ug/kg dry	
Aroclor 1262	---	U J	34	ug/kg dry	
Aroclor 1268	---	U J	34	ug/kg dry	
Metals ICP					
Aluminum	5500		8.0	mg/kg dry	
Antimony	3.8		1.6	mg/kg dry	
Arsenic	6.2		0.64	mg/kg dry	
Barium	50		8.0	mg/kg dry	
Beryllium	0.29		0.24	mg/kg dry	
Cadmium	---	U	0.24	mg/kg dry	
Calcium	1100		40	mg/kg dry	
Chromium	9.6		0.40	mg/kg dry	
Cobalt	6.6		1.6	mg/kg dry	
Copper	63		0.80	mg/kg dry	
Iron	19000		4.0	mg/kg dry	
Lead	76		0.64	mg/kg dry	
Magnesium	1500		40	mg/kg dry	
Manganese	420		0.40	mg/kg dry	
Nickel	17		1.6	mg/kg dry	
Potassium	320		40	mg/kg dry	
Selenium	---	U	1.6	mg/kg dry	

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: SB-900-B				Sample ID: 1606039-11	
Metals ICP					
Silver	---	U	0.40	mg/kg dry	
Sodium	---	U	80	mg/kg dry	
Thallium	---	U	1.6	mg/kg dry	
Tin	8.3		0.80	mg/kg dry	
Vanadium	10		1.6	mg/kg dry	
Zinc	38		1.6	mg/kg dry	
Field ID: FB-SB-A				Sample ID: 1606039-12	
VOA-TRACE GCMS					
Dichlorodifluoromethane	---	U	0.50	ug/L	
Chloromethane	---	U	0.50	ug/L	
Vinyl Chloride	---	U	0.50	ug/L	
Bromomethane	---	U	0.50	ug/L	
Chloroethane	---	U	0.50	ug/L	
Trichlorofluoromethane	---	U	0.50	ug/L	
1,1-Dichloroethene	---	U	0.50	ug/L	
1,1,2-Trichloro-1,2,2-Trifluoroethane	---	U	0.50	ug/L	
Carbon Disulfide	---	U	0.50	ug/L	
Acetone	43		5.0	ug/L	
Methyl Acetate	---	U	0.50	ug/L	
Methylene Chloride	---	U	0.50	ug/L	
trans-1,2-Dichloroethene	---	U	0.50	ug/L	
Methyl tert-Butyl Ether	---	U	0.50	ug/L	
1,1-Dichloroethane	---	U	0.50	ug/L	
cis-1,2-Dichloroethene	---	U	0.50	ug/L	
2-Butanone	---	U	5.0	ug/L	
Bromochloromethane	---	U	0.50	ug/L	
Chloroform	---	U	0.50	ug/L	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: FB-SB-A				Sample ID: 1606039-12	
VOA-TRACE GCMS					
1,1,1-Trichloroethane	---	U	0.50	ug/L	
Cyclohexane	---	U	0.50	ug/L	
Carbon Tetrachloride	---	U	0.50	ug/L	
Benzene	---	U	0.50	ug/L	
1,2-Dichloroethane	---	U	0.50	ug/L	
Trichloroethene	---	U	0.50	ug/L	
1,2-Dichloropropane	---	U	0.50	ug/L	
Bromodichloromethane	---	U	0.50	ug/L	
cis-1,3-Dichloropropene	---	U	0.50	ug/L	
4-Methyl-2-Pentanone	---	U	5.0	ug/L	
Toluene	---	U	0.50	ug/L	
trans-1,3-Dichloropropene	---	U	0.50	ug/L	
1,1,2-Trichloroethane	---	U	0.50	ug/L	
Tetrachloroethene	---	U	0.50	ug/L	
Methylcyclohexane	---	U	0.50	ug/L	
Dibromochloromethane	---	U	0.50	ug/L	
1,2-Dibromoethane	---	U	0.50	ug/L	
2-Hexanone	---	U	5.0	ug/L	
Chlorobenzene	---	U	0.50	ug/L	
Ethylbenzene	---	U	0.50	ug/L	
m/p-Xylene	---	U J	0.50	ug/L	
o-Xylene	---	U	0.50	ug/L	
Styrene	---	U	0.50	ug/L	
Bromoform	---	U	0.50	ug/L	
Isopropylbenzene	---	U	0.50	ug/L	
1,1,2,2-Tetrachloroethane	---	U	0.50	ug/L	
1,3-Dichlorobenzene	---	U	0.50	ug/L	
1,4-Dichlorobenzene	---	U	0.50	ug/L	

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: FB-SB-A				Sample ID: 1606039-12	
VOA-TRACE GCMS					
1,2-Dichlorobenzene	---	U	0.50	ug/L	
1,2-Dibromo-3-Chloropropane	---	U	0.50	ug/L	
1,2,4-Trichlorobenzene	---	U	0.50	ug/L	
1,2,3-Trichlorobenzene	---	U	0.50	ug/L	
NVOA GCMS					
1,4-Dioxane	---	U	2.1	ug/L	
Benzaldehyde	---	U	5.3	ug/L	
Phenol	---	U	5.3	ug/L	
Bis(2-Chloroethyl)Ether	---	U	5.3	ug/L	
2-Chlorophenol	---	U	5.3	ug/L	
2-Methylphenol	---	U	5.3	ug/L	
Bis(2-Chloroisopropyl)Ether	---	U	5.3	ug/L	
Acetophenone	---	U	5.3	ug/L	
4-Methylphenol	---	U	5.3	ug/L	
N-Nitroso-Di-N-Propylamine	---	U	5.3	ug/L	
Hexachloroethane	---	U	5.3	ug/L	
Nitrobenzene	---	U	5.3	ug/L	
Isophorone	---	U	5.3	ug/L	
2-Nitrophenol	---	U	5.3	ug/L	
2,4-Dimethylphenol	---	U	5.3	ug/L	
Bis(-2-Chloroethoxy)Methane	---	U	5.3	ug/L	
2,4-Dichlorophenol	---	U	5.3	ug/L	
Naphthalene	---	U	5.3	ug/L	
4-Chloroaniline	---	U	5.3	ug/L	
Hexachlorobutadiene	---	U	5.3	ug/L	
Caprolactam	---	U	5.3	ug/L	
4-Chloro-3-Methylphenol	---	U	5.3	ug/L	
2-Methylnaphthalene	---	U	5.3	ug/L	

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: FB-SB-A				Sample ID: 1606039-12	
NVOA GCMS					
1,2,4,5-Tetrachlorobenzene	---	U	5.3	ug/L	
Hexachlorocyclopentadiene	---	U	5.3	ug/L	
2,4,6-Trichlorophenol	---	U	5.3	ug/L	
2,4,5-Trichlorophenol	---	U	5.3	ug/L	
Biphenyl	---	U	5.3	ug/L	
2-Chloronaphthalene	---	U	5.3	ug/L	
2-Nitroaniline	---	U	5.3	ug/L	
Dimethyl Phthalate	---	U	5.3	ug/L	
Acenaphthylene	---	U	5.3	ug/L	
2,6-Dinitrotoluene	---	U	5.3	ug/L	
3-Nitroaniline	---	U	5.3	ug/L	
Acenaphthene	---	U	5.3	ug/L	
2,4-Dinitrophenol	---	U	27	ug/L	
4-Nitrophenol	---	U	5.3	ug/L	
Dibenzofuran	---	U	5.3	ug/L	
2,4-Dinitrotoluene	---	U	5.3	ug/L	
2,3,4,6-Tetrachlorophenol	---	U	5.3	ug/L	
Fluorene	---	U	5.3	ug/L	
Diethylphthalate	---	U	5.3	ug/L	
4-Chlorophenyl-Phenylether	---	U	5.3	ug/L	
4-Nitroaniline	---	U	5.3	ug/L	
4,6-Dinitro-2-Methylphenol	---	U	5.3	ug/L	
N-Nitrosodiphenylamine	---	U	5.3	ug/L	
4-Bromophenyl-Phenylether	---	U	5.3	ug/L	
Hexachlorobenzene	---	U	5.3	ug/L	
Atrazine	---	U	5.3	ug/L	
Pentachlorophenol	---	U	5.3	ug/L	
Phenanthrene	---	U	5.3	ug/L	

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: FB-SB-A				Sample ID: 1606039-12	
NVOA GCMS					
Anthracene	---	U	5.3	ug/L	
Carbazole	---	U	5.3	ug/L	
Di-N-Butyl Phthalate	---	U	5.3	ug/L	
Fluoranthene	---	U	5.3	ug/L	
Pyrene	---	U	5.3	ug/L	
Butylbenzylphthalate	---	U	5.3	ug/L	
3,3'- Dichlorobenzidine	---	U	5.3	ug/L	
Benzo(A)Anthracene	---	U	5.3	ug/L	
Chrysene	---	U	5.3	ug/L	
Bis(2-Ethylhexyl)Phthalate	---	U	5.3	ug/L	
Di-N-Octyl Phthalate	---	U	5.3	ug/L	
Benzo(B)Fluoranthene	---	U	5.3	ug/L	
Benzo(K)Fluoranthene	---	U	5.3	ug/L	
Benzo(A)Pyrene	---	U	5.3	ug/L	
Indeno(1,2,3-Cd)Pyrene	---	U	5.3	ug/L	
Dibenzo(A,H)Anthracene	---	U	5.3	ug/L	
Benzo(G,H,I)Perylene	---	U	5.3	ug/L	
Phenol, 2-methoxy-	13	NJ		ug/L	
PCB Aroclors GC					
Aroclor 1016	---	U J	0.062	ug/L	
Aroclor 1221	---	U J	0.12	ug/L	
Aroclor 1232	---	U J	0.062	ug/L	
Aroclor 1242	---	U J	0.062	ug/L	
Aroclor 1248	---	U J	0.062	ug/L	
Aroclor 1254	---	U J	0.062	ug/L	
Aroclor 1260	---	U J	0.062	ug/L	
Aroclor 1262	---	U J	0.062	ug/L	
Aroclor 1268	---	U J	0.062	ug/L	

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: FB-SB-A					Sample ID: 1606039-12
Metals ICP					
Aluminum	---	U	100	ug/L	
Antimony	---	U	20	ug/L	
Arsenic	---	U	8.0	ug/L	
Barium	---	U	100	ug/L	
Beryllium	---	U	3.0	ug/L	
Cadmium	---	U	3.0	ug/L	
Calcium	---	U	500	ug/L	
Chromium	---	U	5.0	ug/L	
Cobalt	---	U	20	ug/L	
Copper	---	U	10	ug/L	
Iron	---	U	50	ug/L	
Lead	---	U	8.0	ug/L	
Magnesium	---	U	500	ug/L	
Manganese	---	U	5.0	ug/L	
Nickel	---	U	20	ug/L	
Potassium	---	U	500	ug/L	
Selenium	---	U	20	ug/L	
Silver	---	U	5.0	ug/L	
Sodium	---	U	1000	ug/L	
Thallium	---	U	20	ug/L	
Vanadium	---	U	20	ug/L	
Zinc	---	U	20	ug/L	
Field ID: FB-GW-B					Sample ID: 1606044-01
VOA-TRACE GCMS					
Dichlorodifluoromethane	---	U	0.50	ug/L	
Chloromethane	---	U	0.50	ug/L	
Vinyl Chloride	---	U	0.50	ug/L	
Bromomethane	---	U	0.50	ug/L	

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: FB-GW-B				Sample ID: 1606044-01	
VOA-TRACE GCMS					
Chloroethane	---	U	0.50	ug/L	
Trichlorofluoromethane	---	U	0.50	ug/L	
1,1-Dichloroethene	---	U	0.50	ug/L	
1,1,2-Trichloro-1,2,2-Trifluoroethane	---	U	0.50	ug/L	
Carbon Disulfide	---	U	0.50	ug/L	
Acetone	36		5.0	ug/L	
Methyl Acetate	---	U	0.50	ug/L	
Methylene Chloride	---	U	0.50	ug/L	
trans-1,2-Dichloroethene	---	U	0.50	ug/L	
Methyl tert-Butyl Ether	---	U	0.50	ug/L	
1,1-Dichloroethane	---	U	0.50	ug/L	
cis-1,2-Dichloroethene	---	U	0.50	ug/L	
2-Butanone	---	U	5.0	ug/L	
Bromochloromethane	---	U	0.50	ug/L	
Chloroform	---	U	0.50	ug/L	
1,1,1-Trichloroethane	---	U	0.50	ug/L	
Cyclohexane	---	U	0.50	ug/L	
Carbon Tetrachloride	---	U	0.50	ug/L	
Benzene	---	U	0.50	ug/L	
1,2-Dichloroethane	---	U	0.50	ug/L	
Trichloroethene	---	U	0.50	ug/L	
1,2-Dichloropropane	---	U	0.50	ug/L	
Bromodichloromethane	---	U	0.50	ug/L	
cis-1,3-Dichloropropene	---	U	0.50	ug/L	
4-Methyl-2-Pentanone	---	U	5.0	ug/L	
Toluene	---	U	0.50	ug/L	
trans-1,3-Dichloropropene	---	U	0.50	ug/L	
1,1,2-Trichloroethane	---	U	0.50	ug/L	

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: FB-GW-B					Sample ID: 1606044-01
VOA-TRACE GCMS					
Tetrachloroethene	---	U	0.50	ug/L	
Methylcyclohexane	---	U	0.50	ug/L	
Dibromochloromethane	---	U	0.50	ug/L	
1,2-Dibromoethane	---	U	0.50	ug/L	
2-Hexanone	---	U	5.0	ug/L	
Chlorobenzene	---	U	0.50	ug/L	
Ethylbenzene	---	U	0.50	ug/L	
m/p-Xylene	---	U	0.50	ug/L	
o-Xylene	---	U	0.50	ug/L	
Styrene	---	U	0.50	ug/L	
Bromoform	---	U	0.50	ug/L	
Isopropylbenzene	---	U	0.50	ug/L	
1,1,2,2-Tetrachloroethane	---	U	0.50	ug/L	
1,3-Dichlorobenzene	---	U	0.50	ug/L	
1,4-Dichlorobenzene	---	U	0.50	ug/L	
1,2-Dichlorobenzene	---	U	0.50	ug/L	
1,2-Dibromo-3-Chloropropane	---	U	0.50	ug/L	
1,2,4-Trichlorobenzene	---	U	0.50	ug/L	
1,2,3-Trichlorobenzene	---	U	0.50	ug/L	
NVOA GCMS					
1,4-Dioxane	---	U	2.2	ug/L	
Benzaldehyde	---	U	5.4	ug/L	
Phenol	---	U	5.4	ug/L	
Bis(2-Chloroethyl)Ether	---	U	5.4	ug/L	
2-Chlorophenol	---	U	5.4	ug/L	
2-Methylphenol	---	U	5.4	ug/L	
Bis(2-Chloroisopropyl)Ether	---	U	5.4	ug/L	
Acetophenone	---	U	5.4	ug/L	

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: FB-GW-B				Sample ID: 1606044-01	
NVOA GCMS					
4-Methylphenol	---	U	5.4	ug/L	
N-Nitroso-Di-N-Propylamine	---	U	5.4	ug/L	
Hexachloroethane	---	U	5.4	ug/L	
Nitrobenzene	---	U	5.4	ug/L	
Isophorone	---	U	5.4	ug/L	
2-Nitrophenol	---	U	5.4	ug/L	
2,4-Dimethylphenol	---	U	5.4	ug/L	
Bis(-2-Chloroethoxy)Methane	---	U	5.4	ug/L	
2,4-Dichlorophenol	---	U	5.4	ug/L	
Naphthalene	---	U	5.4	ug/L	
4-Chloroaniline	---	U	5.4	ug/L	
Hexachlorobutadiene	---	U	5.4	ug/L	
Caprolactam	---	U	5.4	ug/L	
4-Chloro-3-Methylphenol	---	U	5.4	ug/L	
2-Methylnaphthalene	---	U	5.4	ug/L	
1,2,4,5-Tetrachlorobenzene	---	U	5.4	ug/L	
Hexachlorocyclopentadiene	---	U	5.4	ug/L	
2,4,6-Trichlorophenol	---	U	5.4	ug/L	
2,4,5-Trichlorophenol	---	U	5.4	ug/L	
Biphenyl	---	U	5.4	ug/L	
2-Chloronaphthalene	---	U	5.4	ug/L	
2-Nitroaniline	---	U	5.4	ug/L	
Dimethyl Phthalate	---	U	5.4	ug/L	
Acenaphthylene	---	U	5.4	ug/L	
2,6-Dinitrotoluene	---	U	5.4	ug/L	
3-Nitroaniline	---	U	5.4	ug/L	
Acenaphthene	---	U	5.4	ug/L	
2,4-Dinitrophenol	---	U	27	ug/L	

Final Report

Project: Kingston Rail Yard - 1606029

Project Number: 1606029

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: FB-GW-B				Sample ID: 1606044-01	
NVOA GCMS					
4-Nitrophenol	---	U	5.4	ug/L	
Dibenzofuran	---	U	5.4	ug/L	
2,4-Dinitrotoluene	---	U	5.4	ug/L	
2,3,4,6-Tetrachlorophenol	---	U	5.4	ug/L	
Fluorene	---	U	5.4	ug/L	
Diethylphthalate	---	U	5.4	ug/L	
4-Chlorophenyl-Phenylether	---	U	5.4	ug/L	
4-Nitroaniline	---	U	5.4	ug/L	
4,6-Dinitro-2-Methylphenol	---	U	5.4	ug/L	
N-Nitrosodiphenylamine	---	U	5.4	ug/L	
4-Bromophenyl-Phenylether	---	U	5.4	ug/L	
Hexachlorobenzene	---	U	5.4	ug/L	
Atrazine	---	U	5.4	ug/L	
Pentachlorophenol	---	U	5.4	ug/L	
Phenanthrene	---	U	5.4	ug/L	
Anthracene	---	U	5.4	ug/L	
Carbazole	---	U	5.4	ug/L	
Di-N-Butyl Phthalate	---	U	5.4	ug/L	
Fluoranthene	---	U	5.4	ug/L	
Pyrene	---	U	5.4	ug/L	
Butylbenzylphthalate	---	U	5.4	ug/L	
3,3'- Dichlorobenzidine	---	U	5.4	ug/L	
Benzo(A)Anthracene	---	U	5.4	ug/L	
Chrysene	---	U	5.4	ug/L	
Bis(2-Ethylhexyl)Phthalate	---	U	5.4	ug/L	
Di-N-Octyl Phthalate	---	U	5.4	ug/L	
Benzo(B)Fluoranthene	---	U	5.4	ug/L	
Benzo(K)Fluoranthene	---	U	5.4	ug/L	

Final Report

Project: Kingston Rail Yard - 1606029

Project Number: 1606029

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: FB-GW-B				Sample ID: 1606044-01	
NVOA GCMS					
Benzo(A)Pyrene	---	U	5.4	ug/L	
Indeno(1,2,3-Cd)Pyrene	---	U	5.4	ug/L	
Dibenzo(A,H)Anthracene	---	U	5.4	ug/L	
Benzo(G,H,I)Perylene	---	U	5.4	ug/L	
Phenol, 2-methoxy-	14	NJ		ug/L	
PCB Aroclors GC					
Aroclor 1016	---	U J	0.062	ug/L	
Aroclor 1221	---	U J	0.12	ug/L	
Aroclor 1232	---	U J	0.062	ug/L	
Aroclor 1242	---	U J	0.062	ug/L	
Aroclor 1248	---	U J	0.062	ug/L	
Aroclor 1254	---	U J	0.062	ug/L	
Aroclor 1260	---	U J	0.062	ug/L	
Aroclor 1262	---	U J	0.062	ug/L	
Aroclor 1268	---	U J	0.062	ug/L	
Metals ICP					
Aluminum	---	U	100	ug/L	
Antimony	---	U	20	ug/L	
Arsenic	---	U	8.0	ug/L	
Barium	---	U	100	ug/L	
Beryllium	---	U	3.0	ug/L	
Cadmium	---	U	3.0	ug/L	
Calcium	---	U	500	ug/L	
Chromium	---	U	5.0	ug/L	
Cobalt	---	U	20	ug/L	
Copper	---	U	10	ug/L	
Iron	---	U	50	ug/L	
Lead	---	U	8.0	ug/L	

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: FB-GW-B				Sample ID: 1606044-01	
Metals ICP					
Magnesium	---	U	500	ug/L	
Manganese	---	U	5.0	ug/L	
Nickel	---	U	20	ug/L	
Potassium	---	U	500	ug/L	
Selenium	---	U	20	ug/L	
Silver	---	U	5.0	ug/L	
Sodium	---	U	1000	ug/L	
Thallium	---	U	20	ug/L	
Vanadium	---	U	20	ug/L	
Zinc	---	U	20	ug/L	
Field ID: GW-900-1				Sample ID: 1606044-02	
VOA-TRACE GCMS					
Dichlorodifluoromethane	---	U	0.50	ug/L	
Chloromethane	---	U	0.50	ug/L	
Vinyl Chloride	---	U	0.50	ug/L	
Bromomethane	---	U	0.50	ug/L	
Chloroethane	---	U	0.50	ug/L	
Trichlorofluoromethane	---	U	0.50	ug/L	
1,1-Dichloroethene	---	U	0.50	ug/L	
1,1,2-Trichloro-1,2,2-Trifluoroethane	---	U	0.50	ug/L	
Carbon Disulfide	---	U	0.50	ug/L	
Acetone	---	U	5.0	ug/L	
Methyl Acetate	---	U	0.50	ug/L	
Methylene Chloride	---	U	0.50	ug/L	
trans-1,2-Dichloroethene	---	U	0.50	ug/L	
Methyl tert-Butyl Ether	---	U	0.50	ug/L	
1,1-Dichloroethane	---	U	0.50	ug/L	
cis-1,2-Dichloroethene	---	U	0.50	ug/L	

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: GW-900-1				Sample ID: 1606044-02	
VOA-TRACE GCMS					
2-Butanone	---	U	5.0	ug/L	
Bromochloromethane	---	U	0.50	ug/L	
Chloroform	---	U	0.50	ug/L	
1,1,1-Trichloroethane	---	U	0.50	ug/L	
Cyclohexane	---	U	0.50	ug/L	
Carbon Tetrachloride	---	U	0.50	ug/L	
Benzene	---	U	0.50	ug/L	
1,2-Dichloroethane	---	U	0.50	ug/L	
Trichloroethene	24		0.50	ug/L	
1,2-Dichloropropane	---	U	0.50	ug/L	
Bromodichloromethane	---	U	0.50	ug/L	
cis-1,3-Dichloropropene	---	U	0.50	ug/L	
4-Methyl-2-Pentanone	---	U	5.0	ug/L	
Toluene	---	U	0.50	ug/L	
trans-1,3-Dichloropropene	---	U	0.50	ug/L	
1,1,2-Trichloroethane	---	U	0.50	ug/L	
Tetrachloroethene	170		10	ug/L	
Methylcyclohexane	---	U	0.50	ug/L	
Dibromochloromethane	---	U	0.50	ug/L	
1,2-Dibromoethane	---	U	0.50	ug/L	
2-Hexanone	---	U	5.0	ug/L	
Chlorobenzene	---	U	0.50	ug/L	
Ethylbenzene	---	U	0.50	ug/L	
m/p-Xylene	---	U	0.50	ug/L	
o-Xylene	---	U	0.50	ug/L	
Styrene	---	U	0.50	ug/L	
Bromoform	---	U	0.50	ug/L	
Isopropylbenzene	---	U	0.50	ug/L	

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: GW-900-1					Sample ID: 1606044-02
VOA-TRACE GCMS					
1,1,2,2-Tetrachloroethane	---	U	0.50	ug/L	
1,3-Dichlorobenzene	---	U	0.50	ug/L	
1,4-Dichlorobenzene	---	U	0.50	ug/L	
1,2-Dichlorobenzene	---	U	0.50	ug/L	
1,2-Dibromo-3-Chloropropane	---	U	0.50	ug/L	
1,2,4-Trichlorobenzene	---	U	0.50	ug/L	
1,2,3-Trichlorobenzene	---	U	0.50	ug/L	
NVOA GCMS					
1,4-Dioxane	---	U	2.1	ug/L	
Benzaldehyde	---	U	5.3	ug/L	
Phenol	---	U	5.3	ug/L	
Bis(2-Chloroethyl)Ether	---	U	5.3	ug/L	
2-Chlorophenol	---	U	5.3	ug/L	
2-Methylphenol	---	U	5.3	ug/L	
Bis(2-Chloroisopropyl)Ether	---	U	5.3	ug/L	
Acetophenone	---	U	5.3	ug/L	
4-Methylphenol	---	U	5.3	ug/L	
N-Nitroso-Di-N-Propylamine	---	U	5.3	ug/L	
Hexachloroethane	---	U	5.3	ug/L	
Nitrobenzene	---	U	5.3	ug/L	
Isophorone	---	U	5.3	ug/L	
2-Nitrophenol	---	U	5.3	ug/L	
2,4-Dimethylphenol	---	U	5.3	ug/L	
Bis(-2-Chloroethoxy)Methane	---	U	5.3	ug/L	
2,4-Dichlorophenol	---	U	5.3	ug/L	
Naphthalene	---	U	5.3	ug/L	
4-Chloroaniline	---	U	5.3	ug/L	
Hexachlorobutadiene	---	U	5.3	ug/L	

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: GW-900-1				Sample ID: 1606044-02	
NVOA GCMS					
Caprolactam	---	U	5.3	ug/L	
4-Chloro-3-Methylphenol	---	U	5.3	ug/L	
2-Methylnaphthalene	---	U	5.3	ug/L	
1,2,4,5-Tetrachlorobenzene	---	U	5.3	ug/L	
Hexachlorocyclopentadiene	---	U	5.3	ug/L	
2,4,6-Trichlorophenol	---	U	5.3	ug/L	
2,4,5-Trichlorophenol	---	U	5.3	ug/L	
Biphenyl	---	U	5.3	ug/L	
2-Chloronaphthalene	---	U	5.3	ug/L	
2-Nitroaniline	---	U	5.3	ug/L	
Dimethyl Phthalate	---	U	5.3	ug/L	
Acenaphthylene	---	U	5.3	ug/L	
2,6-Dinitrotoluene	---	U	5.3	ug/L	
3-Nitroaniline	---	U	5.3	ug/L	
Acenaphthene	---	U	5.3	ug/L	
2,4-Dinitrophenol	---	U	27	ug/L	
4-Nitrophenol	---	U	5.3	ug/L	
Dibenzofuran	---	U	5.3	ug/L	
2,4-Dinitrotoluene	---	U	5.3	ug/L	
2,3,4,6-Tetrachlorophenol	---	U	5.3	ug/L	
Fluorene	---	U	5.3	ug/L	
Diethylphthalate	---	U	5.3	ug/L	
4-Chlorophenyl-Phenylether	---	U	5.3	ug/L	
4-Nitroaniline	---	U	5.3	ug/L	
4,6-Dinitro-2-Methylphenol	---	U	5.3	ug/L	
N-Nitrosodiphenylamine	---	U	5.3	ug/L	
4-Bromophenyl-Phenylether	---	U	5.3	ug/L	
Hexachlorobenzene	---	U	5.3	ug/L	

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: GW-900-1				Sample ID: 1606044-02	
NVOA GCMS					
Atrazine	---	U	5.3	ug/L	
Pentachlorophenol	---	U	5.3	ug/L	
Phenanthrene	---	U	5.3	ug/L	
Anthracene	---	U	5.3	ug/L	
Carbazole	---	U	5.3	ug/L	
Di-N-Butyl Phthalate	---	U	5.3	ug/L	
Fluoranthene	---	U	5.3	ug/L	
Pyrene	---	U	5.3	ug/L	
Butylbenzylphthalate	---	U	5.3	ug/L	
3,3'- Dichlorobenzidine	---	U	5.3	ug/L	
Benzo(A)Anthracene	---	U	5.3	ug/L	
Chrysene	---	U	5.3	ug/L	
Bis(2-Ethylhexyl)Phthalate	---	U	5.3	ug/L	
Di-N-Octyl Phthalate	---	U	5.3	ug/L	
Benzo(B)Fluoranthene	---	U	5.3	ug/L	
Benzo(K)Fluoranthene	---	U	5.3	ug/L	
Benzo(A)Pyrene	---	U	5.3	ug/L	
Indeno(1,2,3-Cd)Pyrene	---	U	5.3	ug/L	
Dibenzo(A,H)Anthracene	---	U	5.3	ug/L	
Benzo(G,H,I)Perylene	---	U	5.3	ug/L	
Tetrachloroethylene	34	NJ		ug/L	
PCB Aroclors GC					
Aroclor 1016	---	U J	0.062	ug/L	
Aroclor 1221	---	U J	0.12	ug/L	
Aroclor 1232	---	U J	0.062	ug/L	
Aroclor 1242	---	U J	0.062	ug/L	
Aroclor 1248	---	U J	0.062	ug/L	
Aroclor 1254	---	U J	0.062	ug/L	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: GW-900-1				Sample ID: 1606044-02	
PCB Aroclors GC					
Aroclor 1260	---	U J	0.062	ug/L	
Aroclor 1262	---	U J	0.062	ug/L	
Aroclor 1268	---	U J	0.062	ug/L	
Metals ICP					
Aluminum	---	U	100	ug/L	
Antimony	---	U	20	ug/L	
Arsenic	---	U	8.0	ug/L	
Barium	---	U	100	ug/L	
Beryllium	---	U	3.0	ug/L	
Cadmium	---	U	3.0	ug/L	
Calcium	38000		500	ug/L	
Chromium	---	U	5.0	ug/L	
Cobalt	---	U	20	ug/L	
Copper	---	U	10	ug/L	
Iron	---	U	50	ug/L	
Lead	---	U	8.0	ug/L	
Magnesium	4600		500	ug/L	
Manganese	27		5.0	ug/L	
Nickel	---	U	20	ug/L	
Potassium	3100		500	ug/L	
Selenium	---	U	20	ug/L	
Silver	---	U	5.0	ug/L	
Sodium	84000		1000	ug/L	
Thallium	---	U	20	ug/L	
Vanadium	---	U	20	ug/L	
Zinc	---	U	20	ug/L	
Field ID: KR-GW-01-1				Sample ID: 1606044-03	

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-GW-01-1				Sample ID: 1606044-03	
VOA-TRACE GCMS					
Dichlorodifluoromethane	---	U	0.50	ug/L	
Chloromethane	---	U	0.50	ug/L	
Vinyl Chloride	---	U	0.50	ug/L	
Bromomethane	---	U	0.50	ug/L	
Chloroethane	---	U	0.50	ug/L	
Trichlorofluoromethane	---	U	0.50	ug/L	
1,1-Dichloroethene	---	U	0.50	ug/L	
1,1,2-Trichloro-1,2,2-Trifluoroethane	---	U	0.50	ug/L	
Carbon Disulfide	---	U	0.50	ug/L	
Acetone	---	U	5.0	ug/L	
Methyl Acetate	---	U	0.50	ug/L	
Methylene Chloride	---	U	0.50	ug/L	
trans-1,2-Dichloroethene	---	U	0.50	ug/L	
Methyl tert-Butyl Ether	---	U	0.50	ug/L	
1,1-Dichloroethane	---	U	0.50	ug/L	
cis-1,2-Dichloroethene	---	U	0.50	ug/L	
2-Butanone	---	U	5.0	ug/L	
Bromochloromethane	---	U	0.50	ug/L	
Chloroform	---	U	0.50	ug/L	
1,1,1-Trichloroethane	---	U	0.50	ug/L	
Cyclohexane	---	U	0.50	ug/L	
Carbon Tetrachloride	---	U	0.50	ug/L	
Benzene	---	U	0.50	ug/L	
1,2-Dichloroethane	---	U	0.50	ug/L	
Trichloroethene	14		0.50	ug/L	
1,2-Dichloropropane	---	U	0.50	ug/L	
Bromodichloromethane	---	U	0.50	ug/L	
cis-1,3-Dichloropropene	---	U	0.50	ug/L	

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-GW-01-1				Sample ID: 1606044-03	
VOA-TRACE GCMS					
4-Methyl-2-Pentanone	---	U	5.0	ug/L	
Toluene	---	U	0.50	ug/L	
trans-1,3-Dichloropropene	---	U	0.50	ug/L	
1,1,2-Trichloroethane	---	U	0.50	ug/L	
Tetrachloroethene	4.2		0.50	ug/L	
Methylcyclohexane	---	U	0.50	ug/L	
Dibromochloromethane	---	U	0.50	ug/L	
1,2-Dibromoethane	---	U	0.50	ug/L	
2-Hexanone	---	U	5.0	ug/L	
Chlorobenzene	---	U	0.50	ug/L	
Ethylbenzene	---	U	0.50	ug/L	
m/p-Xylene	---	U	0.50	ug/L	
o-Xylene	---	U	0.50	ug/L	
Styrene	---	U	0.50	ug/L	
Bromoform	---	U	0.50	ug/L	
Isopropylbenzene	---	U	0.50	ug/L	
1,1,2,2-Tetrachloroethane	---	U	0.50	ug/L	
1,3-Dichlorobenzene	---	U	0.50	ug/L	
1,4-Dichlorobenzene	---	U	0.50	ug/L	
1,2-Dichlorobenzene	---	U	0.50	ug/L	
1,2-Dibromo-3-Chloropropane	---	U	0.50	ug/L	
1,2,4-Trichlorobenzene	---	U	0.50	ug/L	
1,2,3-Trichlorobenzene	---	U	0.50	ug/L	
NVOA GCMS					
1,4-Dioxane	---	U	2.1	ug/L	
Benzaldehyde	---	U	5.3	ug/L	
Phenol	---	U	5.3	ug/L	
Bis(2-Chloroethyl)Ether	---	U	5.3	ug/L	

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-GW-01-1				Sample ID: 1606044-03	
NVOA GCMS					
2-Chlorophenol	---	U	5.3	ug/L	
2-Methylphenol	---	U	5.3	ug/L	
Bis(2-Chloroisopropyl)Ether	---	U	5.3	ug/L	
Acetophenone	---	U	5.3	ug/L	
4-Methylphenol	---	U L	5.3	ug/L	
N-Nitroso-Di-N-Propylamine	---	U	5.3	ug/L	
Hexachloroethane	---	U	5.3	ug/L	
Nitrobenzene	---	U	5.3	ug/L	
Isophorone	---	U	5.3	ug/L	
2-Nitrophenol	---	U	5.3	ug/L	
2,4-Dimethylphenol	---	U	5.3	ug/L	
Bis(-2-Chloroethoxy)Methane	---	U	5.3	ug/L	
2,4-Dichlorophenol	---	U	5.3	ug/L	
Naphthalene	---	U	5.3	ug/L	
4-Chloroaniline	---	U L	5.3	ug/L	
Hexachlorobutadiene	---	U	5.3	ug/L	
Caprolactam	---	U	5.3	ug/L	
4-Chloro-3-Methylphenol	---	U	5.3	ug/L	
2-Methylnaphthalene	---	U	5.3	ug/L	
1,2,4,5-Tetrachlorobenzene	---	U	5.3	ug/L	
Hexachlorocyclopentadiene	---	U	5.3	ug/L	
2,4,6-Trichlorophenol	---	U	5.3	ug/L	
2,4,5-Trichlorophenol	---	U	5.3	ug/L	
Biphenyl	---	U	5.3	ug/L	
2-Chloronaphthalene	---	U	5.3	ug/L	
2-Nitroaniline	---	U	5.3	ug/L	
Dimethyl Phthalate	---	U	5.3	ug/L	
Acenaphthylene	---	U	5.3	ug/L	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-GW-01-1					Sample ID: 1606044-03
NVOA GCMS					
2,6-Dinitrotoluene	---	U	5.3	ug/L	
3-Nitroaniline	---	U	5.3	ug/L	
Acenaphthene	---	U	5.3	ug/L	
2,4-Dinitrophenol	---	U	27	ug/L	
4-Nitrophenol	---	U	5.3	ug/L	
Dibenzofuran	---	U	5.3	ug/L	
2,4-Dinitrotoluene	---	U	5.3	ug/L	
2,3,4,6-Tetrachlorophenol	---	U L	5.3	ug/L	
Fluorene	---	U	5.3	ug/L	
Diethylphthalate	---	U	5.3	ug/L	
4-Chlorophenyl-Phenylether	---	U	5.3	ug/L	
4-Nitroaniline	---	U L	5.3	ug/L	
4,6-Dinitro-2-Methylphenol	---	U	5.3	ug/L	
N-Nitrosodiphenylamine	---	U L	5.3	ug/L	
4-Bromophenyl-Phenylether	---	U	5.3	ug/L	
Hexachlorobenzene	---	U	5.3	ug/L	
Atrazine	---	U	5.3	ug/L	
Pentachlorophenol	---	U	5.3	ug/L	
Phenanthrene	---	U	5.3	ug/L	
Anthracene	---	U	5.3	ug/L	
Carbazole	---	U L	5.3	ug/L	
Di-N-Butyl Phthalate	---	U	5.3	ug/L	
Fluoranthene	---	U	5.3	ug/L	
Pyrene	---	U	5.3	ug/L	
Butylbenzylphthalate	---	U	5.3	ug/L	
3,3'- Dichlorobenzidine	---	U	5.3	ug/L	
Benzo(A)Anthracene	---	U	5.3	ug/L	
Chrysene	---	U	5.3	ug/L	

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-GW-01-1				Sample ID: 1606044-03	
NVOA GCMS					
Bis(2-Ethylhexyl)Phthalate	---	U	5.3	ug/L	
Di-N-Octyl Phthalate	---	U	5.3	ug/L	
Benzo(B)Fluoranthene	---	U	5.3	ug/L	
Benzo(K)Fluoranthene	---	U	5.3	ug/L	
Benzo(A)Pyrene	---	U	5.3	ug/L	
Indeno(1,2,3-Cd)Pyrene	---	U	5.3	ug/L	
Dibenzo(A,H)Anthracene	---	U	5.3	ug/L	
Benzo(G,H,I)Perylene	---	U	5.3	ug/L	
PCB Aroclors GC					
Aroclor 1016	---	U J	0.062	ug/L	
Aroclor 1221	---	U J	0.12	ug/L	
Aroclor 1232	---	U J	0.062	ug/L	
Aroclor 1242	---	U J	0.062	ug/L	
Aroclor 1248	---	U J	0.062	ug/L	
Aroclor 1254	---	U J	0.062	ug/L	
Aroclor 1260	---	U J	0.062	ug/L	
Aroclor 1262	---	U J	0.062	ug/L	
Aroclor 1268	---	U J	0.062	ug/L	
Metals ICP					
Aluminum	---	U	100	ug/L	
Antimony	---	U	20	ug/L	
Arsenic	---	U	8.0	ug/L	
Barium	---	U	100	ug/L	
Beryllium	---	U	3.0	ug/L	
Cadmium	---	U	3.0	ug/L	
Calcium	43000		500	ug/L	
Chromium	---	U	5.0	ug/L	
Cobalt	---	U	20	ug/L	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-GW-01-1				Sample ID: 1606044-03	
Metals ICP					
Copper	---	U	10	ug/L	
Iron	---	U	50	ug/L	
Lead	---	U	8.0	ug/L	
Magnesium	2700		500	ug/L	
Manganese	120		5.0	ug/L	
Nickel	---	U	20	ug/L	
Potassium	3700		500	ug/L	
Selenium	---	U	20	ug/L	
Silver	---	U	5.0	ug/L	
Sodium	88000		1000	ug/L	
Thallium	---	U	20	ug/L	
Vanadium	---	U	20	ug/L	
Zinc	---	U	20	ug/L	
Field ID: KR-GW-02-1				Sample ID: 1606044-04	
VOA-TRACE GCMS					
Dichlorodifluoromethane	---	U	0.50	ug/L	
Chloromethane	---	U	0.50	ug/L	
Vinyl Chloride	---	U	0.50	ug/L	
Bromomethane	---	U	0.50	ug/L	
Chloroethane	---	U	0.50	ug/L	
Trichlorofluoromethane	---	U	0.50	ug/L	
1,1-Dichloroethene	---	U	0.50	ug/L	
1,1,2-Trichloro-1,2,2-Trifluoroethane	---	U	0.50	ug/L	
Carbon Disulfide	---	U	0.50	ug/L	
Acetone	---	U	5.0	ug/L	
Methyl Acetate	---	U	0.50	ug/L	
Methylene Chloride	---	U	0.50	ug/L	

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-GW-02-1				Sample ID: 1606044-04	
VOA-TRACE GCMS					
trans-1,2-Dichloroethene	---	U	0.50	ug/L	
Methyl tert-Butyl Ether	---	U	0.50	ug/L	
1,1-Dichloroethane	---	U	0.50	ug/L	
cis-1,2-Dichloroethene	---	U	0.50	ug/L	
2-Butanone	---	U	5.0	ug/L	
Bromochloromethane	---	U	0.50	ug/L	
Chloroform	---	U	0.50	ug/L	
1,1,1-Trichloroethane	---	U	0.50	ug/L	
Cyclohexane	---	U	0.50	ug/L	
Carbon Tetrachloride	---	U	0.50	ug/L	
Benzene	---	U	0.50	ug/L	
1,2-Dichloroethane	---	U	0.50	ug/L	
Trichloroethene	24		0.50	ug/L	
1,2-Dichloropropane	---	U	0.50	ug/L	
Bromodichloromethane	---	U	0.50	ug/L	
cis-1,3-Dichloropropene	---	U	0.50	ug/L	
4-Methyl-2-Pentanone	---	U	5.0	ug/L	
Toluene	---	U	0.50	ug/L	
trans-1,3-Dichloropropene	---	U	0.50	ug/L	
1,1,2-Trichloroethane	---	U	0.50	ug/L	
Tetrachloroethene	180		10	ug/L	
Methylcyclohexane	---	U	0.50	ug/L	
Dibromochloromethane	---	U	0.50	ug/L	
1,2-Dibromoethane	---	U	0.50	ug/L	
2-Hexanone	---	U	5.0	ug/L	
Chlorobenzene	---	U	0.50	ug/L	
Ethylbenzene	---	U	0.50	ug/L	
m/p-Xylene	---	U	0.50	ug/L	

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-GW-02-1				Sample ID: 1606044-04	
VOA-TRACE GCMS					
o-Xylene	---	U	0.50	ug/L	
Styrene	---	U	0.50	ug/L	
Bromoform	---	U	0.50	ug/L	
Isopropylbenzene	---	U	0.50	ug/L	
1,1,2,2-Tetrachloroethane	---	U	0.50	ug/L	
1,3-Dichlorobenzene	---	U	0.50	ug/L	
1,4-Dichlorobenzene	---	U	0.50	ug/L	
1,2-Dichlorobenzene	---	U	0.50	ug/L	
1,2-Dibromo-3-Chloropropane	---	U	0.50	ug/L	
1,2,4-Trichlorobenzene	---	U	0.50	ug/L	
1,2,3-Trichlorobenzene	---	U	0.50	ug/L	
NVOA GCMS					
1,4-Dioxane	---	U	2.0	ug/L	
Benzaldehyde	---	U	5.0	ug/L	
Phenol	---	U	5.0	ug/L	
Bis(2-Chloroethyl)Ether	---	U	5.0	ug/L	
2-Chlorophenol	---	U	5.0	ug/L	
2-Methylphenol	---	U	5.0	ug/L	
Bis(2-Chloroisopropyl)Ether	---	U	5.0	ug/L	
Acetophenone	---	U	5.0	ug/L	
4-Methylphenol	---	U	5.0	ug/L	
N-Nitroso-Di-N-Propylamine	---	U	5.0	ug/L	
Hexachloroethane	---	U	5.0	ug/L	
Nitrobenzene	---	U	5.0	ug/L	
Isophorone	---	U	5.0	ug/L	
2-Nitrophenol	---	U	5.0	ug/L	
2,4-Dimethylphenol	---	U	5.0	ug/L	
Bis(-2-Chloroethoxy)Methane	---	U	5.0	ug/L	

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-GW-02-1				Sample ID: 1606044-04	
NVOA GCMS					
2,4-Dichlorophenol	---	U	5.0	ug/L	
Naphthalene	---	U	5.0	ug/L	
4-Chloroaniline	---	U	5.0	ug/L	
Hexachlorobutadiene	---	U	5.0	ug/L	
Caprolactam	---	U	5.0	ug/L	
4-Chloro-3-Methylphenol	---	U	5.0	ug/L	
2-Methylnaphthalene	---	U	5.0	ug/L	
1,2,4,5-Tetrachlorobenzene	---	U	5.0	ug/L	
Hexachlorocyclopentadiene	---	U	5.0	ug/L	
2,4,6-Trichlorophenol	---	U	5.0	ug/L	
2,4,5-Trichlorophenol	---	U	5.0	ug/L	
Biphenyl	---	U	5.0	ug/L	
2-Chloronaphthalene	---	U	5.0	ug/L	
2-Nitroaniline	---	U	5.0	ug/L	
Dimethyl Phthalate	---	U	5.0	ug/L	
Acenaphthylene	---	U	5.0	ug/L	
2,6-Dinitrotoluene	---	U	5.0	ug/L	
3-Nitroaniline	---	U	5.0	ug/L	
Acenaphthene	---	U	5.0	ug/L	
2,4-Dinitrophenol	---	U	25	ug/L	
4-Nitrophenol	---	U	5.0	ug/L	
Dibenzofuran	---	U	5.0	ug/L	
2,4-Dinitrotoluene	---	U	5.0	ug/L	
2,3,4,6-Tetrachlorophenol	---	U	5.0	ug/L	
Fluorene	---	U	5.0	ug/L	
Diethylphthalate	---	U	5.0	ug/L	
4-Chlorophenyl-Phenylether	---	U	5.0	ug/L	
4-Nitroaniline	---	U	5.0	ug/L	

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-GW-02-1				Sample ID: 1606044-04	
NVOA GCMS					
4,6-Dinitro-2-Methylphenol	---	U	5.0	ug/L	
N-Nitrosodiphenylamine	---	U	5.0	ug/L	
4-Bromophenyl-Phenylether	---	U	5.0	ug/L	
Hexachlorobenzene	---	U	5.0	ug/L	
Atrazine	---	U	5.0	ug/L	
Pentachlorophenol	---	U	5.0	ug/L	
Phenanthrene	---	U	5.0	ug/L	
Anthracene	---	U	5.0	ug/L	
Carbazole	---	U	5.0	ug/L	
Di-N-Butyl Phthalate	---	U	5.0	ug/L	
Fluoranthene	---	U	5.0	ug/L	
Pyrene	---	U	5.0	ug/L	
Butylbenzylphthalate	---	U	5.0	ug/L	
3,3'- Dichlorobenzidine	---	U	5.0	ug/L	
Benzo(A)Anthracene	---	U	5.0	ug/L	
Chrysene	---	U	5.0	ug/L	
Bis(2-Ethylhexyl)Phthalate	---	U	5.0	ug/L	
Di-N-Octyl Phthalate	---	U	5.0	ug/L	
Benzo(B)Fluoranthene	---	U	5.0	ug/L	
Benzo(K)Fluoranthene	---	U	5.0	ug/L	
Benzo(A)Pyrene	---	U	5.0	ug/L	
Indeno(1,2,3-Cd)Pyrene	---	U	5.0	ug/L	
Dibenzo(A,H)Anthracene	---	U	5.0	ug/L	
Benzo(G,H,I)Perylene	---	U	5.0	ug/L	
Tetrachloroethylene	38	NJ		ug/L	
PCB Aroclors GC					
Aroclor 1016	---	U J	0.062	ug/L	
Aroclor 1221	---	U J	0.12	ug/L	

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Project: Kingston Rail Yard - 1606029

Project Number: 1606029

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-GW-02-1				Sample ID: 1606044-04	
PCB Aroclors GC					
Aroclor 1232	---	U J	0.062	ug/L	
Aroclor 1242	---	U J	0.062	ug/L	
Aroclor 1248	---	U J	0.062	ug/L	
Aroclor 1254	---	U J	0.062	ug/L	
Aroclor 1260	---	U J	0.062	ug/L	
Aroclor 1262	---	U J	0.062	ug/L	
Aroclor 1268	---	U J	0.062	ug/L	
Metals ICP					
Aluminum	---	U	100	ug/L	
Antimony	---	U	20	ug/L	
Arsenic	---	U	8.0	ug/L	
Barium	---	U	100	ug/L	
Beryllium	---	U	3.0	ug/L	
Cadmium	---	U	3.0	ug/L	
Calcium	39000		500	ug/L	
Chromium	---	U	5.0	ug/L	
Cobalt	---	U	20	ug/L	
Copper	---	U	10	ug/L	
Iron	---	U	50	ug/L	
Lead	---	U	8.0	ug/L	
Magnesium	4700		500	ug/L	
Manganese	28		5.0	ug/L	
Nickel	---	U	20	ug/L	
Potassium	3200		500	ug/L	
Selenium	---	U	20	ug/L	
Silver	---	U	5.0	ug/L	
Sodium	84000		1000	ug/L	
Thallium	---	U	20	ug/L	

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-GW-02-1				Sample ID: 1606044-04	
Metals ICP					
Vanadium	---	U	20	ug/L	
Zinc	---	U	20	ug/L	
Field ID: KR-GW-03-1				Sample ID: 1606044-05	
VOA-TRACE GCMS					
Dichlorodifluoromethane	---	U	0.50	ug/L	
Chloromethane	---	U	0.50	ug/L	
Vinyl Chloride	---	U	0.50	ug/L	
Bromomethane	---	U	0.50	ug/L	
Chloroethane	---	U	0.50	ug/L	
Trichlorofluoromethane	---	U	0.50	ug/L	
1,1-Dichloroethene	---	U	0.50	ug/L	
1,1,2-Trichloro-1,2,2-Trifluoroethane	---	U	0.50	ug/L	
Carbon Disulfide	---	U	0.50	ug/L	
Acetone	---	U	5.0	ug/L	
Methyl Acetate	---	U	0.50	ug/L	
Methylene Chloride	---	U	0.50	ug/L	
trans-1,2-Dichloroethene	---	U	0.50	ug/L	
Methyl tert-Butyl Ether	---	U	0.50	ug/L	
1,1-Dichloroethane	---	U	0.50	ug/L	
cis-1,2-Dichloroethene	---	U	0.50	ug/L	
2-Butanone	---	U	5.0	ug/L	
Bromochloromethane	---	U	0.50	ug/L	
Chloroform	---	U	0.50	ug/L	
1,1,1-Trichloroethane	---	U	0.50	ug/L	
Cyclohexane	---	U	0.50	ug/L	
Carbon Tetrachloride	---	U	0.50	ug/L	
Benzene	---	U	0.50	ug/L	
1,2-Dichloroethane	---	U	0.50	ug/L	

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Project: Kingston Rail Yard - 1606029

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-GW-03-1				Sample ID: 1606044-05	
VOA-TRACE GCMS					
Trichloroethene	23		0.50	ug/L	
1,2-Dichloropropane	---	U	0.50	ug/L	
Bromodichloromethane	---	U	0.50	ug/L	
cis-1,3-Dichloropropene	---	U	0.50	ug/L	
4-Methyl-2-Pentanone	---	U	5.0	ug/L	
Toluene	---	U	0.50	ug/L	
trans-1,3-Dichloropropene	---	U	0.50	ug/L	
1,1,2-Trichloroethane	---	U	0.50	ug/L	
Tetrachloroethene	120		10	ug/L	
Methylcyclohexane	---	U	0.50	ug/L	
Dibromochloromethane	---	U	0.50	ug/L	
1,2-Dibromoethane	---	U	0.50	ug/L	
2-Hexanone	---	U	5.0	ug/L	
Chlorobenzene	---	U	0.50	ug/L	
Ethylbenzene	---	U	0.50	ug/L	
m/p-Xylene	---	U	0.50	ug/L	
o-Xylene	---	U	0.50	ug/L	
Styrene	---	U	0.50	ug/L	
Bromoform	---	U	0.50	ug/L	
Isopropylbenzene	---	U	0.50	ug/L	
1,1,2,2-Tetrachloroethane	---	U	0.50	ug/L	
1,3-Dichlorobenzene	---	U	0.50	ug/L	
1,4-Dichlorobenzene	---	U	0.50	ug/L	
1,2-Dichlorobenzene	---	U	0.50	ug/L	
1,2-Dibromo-3-Chloropropane	---	U	0.50	ug/L	
1,2,4-Trichlorobenzene	---	U	0.50	ug/L	
1,2,3-Trichlorobenzene	---	U	0.50	ug/L	
NVOA GCMS					

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-GW-03-1					Sample ID: 1606044-05
NVOA GCMS					
1,4-Dioxane	---	U	2.1	ug/L	
Benzaldehyde	---	U	5.3	ug/L	
Phenol	---	U L	5.3	ug/L	
Bis(2-Chloroethyl)Ether	---	U	5.3	ug/L	
2-Chlorophenol	---	U L	5.3	ug/L	
2-Methylphenol	---	U L	5.3	ug/L	
Bis(2-Chloroisopropyl)Ether	---	U	5.3	ug/L	
Acetophenone	---	U	5.3	ug/L	
4-Methylphenol	---	U L	5.3	ug/L	
N-Nitroso-Di-N-Propylamine	---	U	5.3	ug/L	
Hexachloroethane	---	U	5.3	ug/L	
Nitrobenzene	---	U	5.3	ug/L	
Isophorone	---	U	5.3	ug/L	
2-Nitrophenol	---	U L	5.3	ug/L	
2,4-Dimethylphenol	---	U L	5.3	ug/L	
Bis(-2-Chloroethoxy)Methane	---	U	5.3	ug/L	
2,4-Dichlorophenol	---	U L	5.3	ug/L	
Naphthalene	---	U	5.3	ug/L	
4-Chloroaniline	---	U	5.3	ug/L	
Hexachlorobutadiene	---	U	5.3	ug/L	
Caprolactam	---	U	5.3	ug/L	
4-Chloro-3-Methylphenol	---	U L	5.3	ug/L	
2-Methylnaphthalene	---	U	5.3	ug/L	
1,2,4,5-Tetrachlorobenzene	---	U	5.3	ug/L	
Hexachlorocyclopentadiene	---	U	5.3	ug/L	
2,4,6-Trichlorophenol	---	U	5.3	ug/L	
2,4,5-Trichlorophenol	---	U	5.3	ug/L	
Biphenyl	---	U	5.3	ug/L	

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-GW-03-1				Sample ID: 1606044-05	
NVOA GCMS					
2-Chloronaphthalene	---	U	5.3	ug/L	
2-Nitroaniline	---	U	5.3	ug/L	
Dimethyl Phthalate	---	U	5.3	ug/L	
Acenaphthylene	---	U	5.3	ug/L	
2,6-Dinitrotoluene	---	U	5.3	ug/L	
3-Nitroaniline	---	U	5.3	ug/L	
Acenaphthene	---	U	5.3	ug/L	
2,4-Dinitrophenol	---	U	27	ug/L	
4-Nitrophenol	---	U	5.3	ug/L	
Dibenzofuran	---	U	5.3	ug/L	
2,4-Dinitrotoluene	---	U	5.3	ug/L	
2,3,4,6-Tetrachlorophenol	---	U	5.3	ug/L	
Fluorene	---	U	5.3	ug/L	
Diethylphthalate	---	U	5.3	ug/L	
4-Chlorophenyl-Phenylether	---	U	5.3	ug/L	
4-Nitroaniline	---	U	5.3	ug/L	
4,6-Dinitro-2-Methylphenol	---	U	5.3	ug/L	
N-Nitrosodiphenylamine	---	U	5.3	ug/L	
4-Bromophenyl-Phenylether	---	U	5.3	ug/L	
Hexachlorobenzene	---	U	5.3	ug/L	
Atrazine	---	U	5.3	ug/L	
Pentachlorophenol	---	U	5.3	ug/L	
Phenanthrene	---	U	5.3	ug/L	
Anthracene	---	U	5.3	ug/L	
Carbazole	---	U	5.3	ug/L	
Di-N-Butyl Phthalate	---	U	5.3	ug/L	
Fluoranthene	---	U	5.3	ug/L	
Pyrene	---	U	5.3	ug/L	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-GW-03-1				Sample ID: 1606044-05	
NVOA GCMS					
Butylbenzylphthalate	---	U	5.3	ug/L	
3,3'- Dichlorobenzidine	---	U	5.3	ug/L	
Benzo(A)Anthracene	---	U	5.3	ug/L	
Chrysene	---	U	5.3	ug/L	
Bis(2-Ethylhexyl)Phthalate	---	U	5.3	ug/L	
Di-N-Octyl Phthalate	---	U	5.3	ug/L	
Benzo(B)Fluoranthene	---	U	5.3	ug/L	
Benzo(K)Fluoranthene	---	U	5.3	ug/L	
Benzo(A)Pyrene	---	U	5.3	ug/L	
Indeno(1,2,3-Cd)Pyrene	---	U	5.3	ug/L	
Dibenzo(A,H)Anthracene	---	U	5.3	ug/L	
Benzo(G,H,I)Perylene	---	U	5.3	ug/L	
Tetrachloroethylene	14	NJ		ug/L	
PCB Aroclors GC					
Aroclor 1016	---	U J	0.062	ug/L	
Aroclor 1221	---	U J	0.12	ug/L	
Aroclor 1232	---	U J	0.062	ug/L	
Aroclor 1242	---	U J	0.062	ug/L	
Aroclor 1248	---	U J	0.062	ug/L	
Aroclor 1254	---	U J	0.062	ug/L	
Aroclor 1260	---	U J	0.062	ug/L	
Aroclor 1262	---	U J	0.062	ug/L	
Aroclor 1268	---	U J	0.062	ug/L	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-GW-03-1				Sample ID: 1606044-05	
Metals ICP					
Aluminum	---	U	100	ug/L	
Antimony	---	U	20	ug/L	
Arsenic	---	U	8.0	ug/L	
Barium	---	U	100	ug/L	
Beryllium	---	U	3.0	ug/L	
Cadmium	---	U	3.0	ug/L	
Calcium	39000		500	ug/L	
Chromium	---	U	5.0	ug/L	
Cobalt	---	U	20	ug/L	
Copper	---	U	10	ug/L	
Iron	---	U	50	ug/L	
Lead	---	U	8.0	ug/L	
Magnesium	3700		500	ug/L	
Manganese	60		5.0	ug/L	
Nickel	---	U	20	ug/L	
Potassium	3000		500	ug/L	
Selenium	---	U	20	ug/L	
Silver	---	U	5.0	ug/L	
Sodium	58000		1000	ug/L	
Thallium	---	U	20	ug/L	
Vanadium	---	U	20	ug/L	
Zinc	---	U	20	ug/L	
Field ID: TB-01				Sample ID: 1606044-06	
VOA-TRACE GCMS					
Dichlorodifluoromethane	---	U	0.50	ug/L	
Chloromethane	---	U	0.50	ug/L	
Vinyl Chloride	---	U	0.50	ug/L	

NOTE: The results recorded in this report relate only to the samples as received on the date and at the time noted

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: TB-01					Sample ID: 1606044-06
VOA-TRACE GCMS					
Bromomethane	---	U	0.50	ug/L	
Chloroethane	---	U	0.50	ug/L	
Trichlorofluoromethane	---	U	0.50	ug/L	
1,1-Dichloroethene	---	U	0.50	ug/L	
1,1,2-Trichloro-1,2,2-Trifluoroethane	---	U	0.50	ug/L	
Carbon Disulfide	---	U	0.50	ug/L	
Acetone	36		5.0	ug/L	
Methyl Acetate	---	U	0.50	ug/L	
Methylene Chloride	---	U	0.50	ug/L	
trans-1,2-Dichloroethene	---	U	0.50	ug/L	
Methyl tert-Butyl Ether	---	U	0.50	ug/L	
1,1-Dichloroethane	---	U	0.50	ug/L	
cis-1,2-Dichloroethene	---	U	0.50	ug/L	
2-Butanone	---	U	5.0	ug/L	
Bromochloromethane	---	U	0.50	ug/L	
Chloroform	---	U	0.50	ug/L	
1,1,1-Trichloroethane	---	U	0.50	ug/L	
Cyclohexane	---	U	0.50	ug/L	
Carbon Tetrachloride	---	U	0.50	ug/L	
Benzene	---	U	0.50	ug/L	
1,2-Dichloroethane	---	U	0.50	ug/L	
Trichloroethene	---	U	0.50	ug/L	
1,2-Dichloropropane	---	U	0.50	ug/L	
Bromodichloromethane	---	U	0.50	ug/L	
cis-1,3-Dichloropropene	---	U	0.50	ug/L	
4-Methyl-2-Pentanone	---	U	5.0	ug/L	
Toluene	---	U	0.50	ug/L	
trans-1,3-Dichloropropene	---	U	0.50	ug/L	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: TB-01				Sample ID: 1606044-06	
VOA-TRACE GCMS					
1,1,2-Trichloroethane	---	U	0.50	ug/L	
Tetrachloroethene	---	U	0.50	ug/L	
Methylcyclohexane	---	U	0.50	ug/L	
Dibromochloromethane	---	U	0.50	ug/L	
1,2-Dibromoethane	---	U	0.50	ug/L	
2-Hexanone	---	U	5.0	ug/L	
Chlorobenzene	---	U	0.50	ug/L	
Ethylbenzene	---	U	0.50	ug/L	
m/p-Xylene	---	U	0.50	ug/L	
o-Xylene	---	U	0.50	ug/L	
Styrene	---	U	0.50	ug/L	
Bromoform	---	U	0.50	ug/L	
Isopropylbenzene	---	U	0.50	ug/L	
1,1,2,2-Tetrachloroethane	---	U	0.50	ug/L	
1,3-Dichlorobenzene	---	U	0.50	ug/L	
1,4-Dichlorobenzene	---	U	0.50	ug/L	
1,2-Dichlorobenzene	---	U	0.50	ug/L	
1,2-Dibromo-3-Chloropropane	---	U	0.50	ug/L	
1,2,4-Trichlorobenzene	---	U	0.50	ug/L	
1,2,3-Trichlorobenzene	---	U	0.50	ug/L	

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 2 Laboratory
2890 Woodbridge Avenue
Edison , New Jersey 08837
732-906-6886 Phone
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September 01, 2016

Scott Kirchner
CDM Smith
110 Fieldcrest Avenue, 6th Floor
Edison, NJ 08837

RE: Kingston Rail Yard - 1606029

Enclosed are the results of analyses for samples received by the laboratory between 6/15/2016 and 6/17/2016. The signature below reflects the laboratory's approval of the reported results. If you have any questions concerning this report, please refer to Project Number 1606029 and contact the laboratory.

Sincerely,

John R. Bourbon
Chief, DESA/LB

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 2 Laboratory

Final Report

Project: Kingston Rail Yard - 1606029

Project Number: 1606029

Project Narrative:

The National Environmental Laboratory Accreditation Conference Institute (TNI) is a voluntary environmental laboratory accreditation association of State and Federal agencies. TNI established and promoted a National Environmental Laboratory Accreditation Program (NELAP) that provides a uniform set of standards for the generation of environmental data that are of known and defensible quality. The EPA Region 2 Laboratory is NELAP accredited. The Laboratory tests that are accredited have met all the requirements established under the TNI Standards.

Condition Comments

SVOA - The Bis-(2-Ethylhexyl)Phthalate on sample 1606029-03 (Field ID #KR-SS-03-A) was qualified with "J". This compound was previously qualified from a report dated August 18, 2016 with "K" and "L" due to non-conformance of QC check (all surrogates had low recoveries and the continuing verification for this specific compound has a high bias result). The approriate qualier "J" was applied.

Comment(s):

The "Sample Analysis Date and Time" is included in the results section for any analyte with a prescribed holding time of 72 hours or less.

Data Qualifier(s):

U- The analyte was not detected at or above the Reporting Limit.
J- The identification of the analyte is acceptable; the reported value is an estimate.
K- The identification of the analyte is acceptable; the reported value may be biased high.
L- The identification of the analyte is acceptable; the reported value may be biased low.
NJ- There is presumptive evidence that the analyte is present; the analyte is reported as a tentative identification. The reported value is an estimate.

Reporting Limit(s):

The Laboratory was able to achieve the Contract Required Quantitation Limits (CRQLs), where applicable, for each analyte requested except for the following analyte(s):

Volatile Organic Compounds: The Reporting Limits for Bromomethane, cis-1,3-Dichloropropane and 2-Hexanone were raised due to problems associated with the initial calibration curve in all samples.

Semi-Volatile Organic Compounds: The Reporting Limit for 2,4-Dinitrophenol was raised accordingly due to problems associated with the initial calibration curve in all samples.

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Project: Kingston Rail Yard - 1606029

Project Number: 1606029

SUMMARY REPORT FOR SAMPLES

Field ID	Laboratory ID	Matrix	Date Sampled	Date Received
KR-SS-01-A	1606029-01	Solid	06/14/2016 10:40	06/15/2016 11:00
KR-SS-02-A	1606029-02	Solid	06/14/2016 11:00	06/15/2016 11:00
KR-SS-03-A	1606029-03	Solid	06/14/2016 11:15	06/15/2016 11:00
KR-SS-04-A	1606029-04	Solid	06/14/2016 12:00	06/15/2016 11:00
KR-SS-05-A	1606029-05	Solid	06/14/2016 12:15	06/15/2016 11:00
KR-SS-06-A	1606029-06	Solid	06/14/2016 12:20	06/15/2016 11:00
KR-SS-07-A	1606029-07	Solid	06/14/2016 13:40	06/15/2016 11:00
KR-SS-08-A	1606029-08	Solid	06/14/2016 13:45	06/15/2016 11:00
KR-SS-10-A	1606029-09	Solid	06/14/2016 15:20	06/15/2016 11:00
KR-SS-11-A	1606029-10	Solid	06/14/2016 14:30	06/15/2016 11:00
KR-SB-01-A	1606029-11	Solid	06/14/2016 13:45	06/15/2016 11:00
KR-SB-06-A	1606029-12	Solid	06/14/2016 14:40	06/15/2016 11:00
KR-SB-10-A	1606029-13	Solid	06/14/2016 15:40	06/15/2016 11:00
KR-SB-02-A	1606039-01	Solid	06/15/2016 08:15	06/16/2016 11:00
KR-SB-03-A	1606039-02	Solid	06/15/2016 08:45	06/16/2016 11:00
KR-SB-04-A	1606039-03	Solid	06/15/2016 09:20	06/16/2016 11:00
KR-SB-05-A	1606039-04	Solid	06/15/2016 10:15	06/16/2016 11:00
KR-SB-07-A	1606039-05	Solid	06/15/2016 10:45	06/16/2016 11:00
KR-SB-08-A	1606039-06	Solid	06/15/2016 11:20	06/16/2016 11:00
SB-900-A	1606039-07	Solid	06/15/2016 10:50	06/16/2016 11:00
KR-SB-09-A	1606039-08	Solid	06/15/2016 13:10	06/16/2016 11:00
KR-SB-11-A	1606039-09	Solid	06/15/2016 11:55	06/16/2016 11:00
KR-SS-09-A	1606039-10	Solid	06/15/2016 12:50	06/16/2016 11:00
SB-900-B	1606039-11	Solid	06/15/2016 12:00	06/16/2016 11:00
FB-SB-A	1606039-12	Aqueous	06/15/2016 12:30	06/16/2016 11:00
FB-GW-B	1606044-01	Aqueous	06/16/2016 11:05	06/17/2016 10:30
GW-900-1	1606044-02	Aqueous	06/16/2016 12:00	06/17/2016 10:30
KR-GW-01-1	1606044-03	Aqueous	06/16/2016 10:00	06/17/2016 10:30

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 2 Laboratory

Final Report

Project: Kingston Rail Yard - 1606029

Project Number: 1606029

SUMMARY REPORT FOR SAMPLES

Field ID	Laboratory ID	Matrix	Date Sampled	Date Received
KR-GW-02-1	1606044-04	Aqueous	06/16/2016 12:00	06/17/2016 10:30
KR-GW-03-1	1606044-05	Aqueous	06/16/2016 14:00	06/17/2016 10:30
TB-01	1606044-06	Aqueous	06/16/2016 09:45	06/17/2016 10:30

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 2 Laboratory

Final Report

Project: Kingston Rail Yard - 1606029

Project Number: 1606029

SUMMARY REPORT FOR METHODS

Analysis	Method	Certification	Matrix
E-Metals ICP TAL	EPA 200.7 SOP C-109 Rev3.3	NELAP	Aqueous
E-Metals ICP TAL	EPA 200.7 SOP C-109 Rev3.3	NELAP	Solid
E-SVOA TCL	EPA 625 SOP C-90 Rev 3.5		Aqueous
E-SVOA TCL	EPA 625 SOP C-90 Rev 3.5		Solid
PCB Aroclors TCL	EPA 608 SOP C-91 Rev4.0		Aqueous
PCB Aroclors TCL	EPA 608 SOP C-91 Rev4.0		Solid
VOA Low Level Soil	SOM 2.2 SOP C-123 Rev2.5	NELAP	Solid
VOA Trace/SF	EPA DW-1 Rev 2.4	NELAP	Aqueous

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SS-01-A				Sample ID: 1606029-01	
NVOA GCMS					
1,4-Dioxane	---	U	68.0	ug/kg dry	
Benzaldehyde	---	U	102	ug/kg dry	
Phenol	110		102	ug/kg dry	
Bis(2-Chloroethyl)Ether	---	U	102	ug/kg dry	
2-Chlorophenol	---	U	102	ug/kg dry	
2-Methylphenol	---	U	102	ug/kg dry	
Bis(2-Chloroisopropyl)Ether	---	U	102	ug/kg dry	
Acetophenone	---	U	102	ug/kg dry	
4-Methylphenol	117		102	ug/kg dry	
N-Nitroso-Di-N-Propylamine	---	U	102	ug/kg dry	
Hexachloroethane	---	U	102	ug/kg dry	
Nitrobenzene	---	U	102	ug/kg dry	
Isophorone	---	U	102	ug/kg dry	
2-Nitrophenol	---	U	102	ug/kg dry	
2,4-Dimethylphenol	---	U	102	ug/kg dry	
Bis(-2-Chloroethoxy)Methane	---	U	102	ug/kg dry	
2,4-Dichlorophenol	---	U	102	ug/kg dry	
Naphthalene	856		102	ug/kg dry	
4-Chloroaniline	---	U	102	ug/kg dry	
Hexachlorobutadiene	---	U	102	ug/kg dry	
Caprolactam	---	U	102	ug/kg dry	
4-Chloro-3-Methylphenol	---	U	102	ug/kg dry	
2-Methylnaphthalene	602		102	ug/kg dry	
1,2,4,5-Tetrachlorobenzene	---	U	102	ug/kg dry	
Hexachlorocyclopentadiene	---	U	102	ug/kg dry	
2,4,6-Trichlorophenol	---	U	102	ug/kg dry	
2,4,5-Trichlorophenol	---	U	102	ug/kg dry	
Biphenyl	307		102	ug/kg dry	

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SS-01-A				Sample ID: 1606029-01	
NVOA GCMS					
2-Chloronaphthalene	---	U	102	ug/kg dry	
2-Nitroaniline	---	U	102	ug/kg dry	
Dimethyl Phthalate	---	U	102	ug/kg dry	
Acenaphthylene	158		102	ug/kg dry	
2,6-Dinitrotoluene	---	U	102	ug/kg dry	
3-Nitroaniline	---	U	102	ug/kg dry	
Acenaphthene	468		102	ug/kg dry	
2,4-Dinitrophenol	---	U J	338	ug/kg dry	
4-Nitrophenol	---	U	102	ug/kg dry	
Dibenzofuran	1250		102	ug/kg dry	
2,4-Dinitrotoluene	---	U	102	ug/kg dry	
2,3,4,6-Tetrachlorophenol	---	U	102	ug/kg dry	
Fluorene	367		102	ug/kg dry	
Diethylphthalate	---	U	102	ug/kg dry	
4-Chlorophenyl-Phenylether	---	U	102	ug/kg dry	
4-Nitroaniline	---	U	102	ug/kg dry	
4,6-Dinitro-2-Methylphenol	---	U	102	ug/kg dry	
N-Nitrosodiphenylamine	---	U	102	ug/kg dry	
4-Bromophenyl-Phenylether	---	U	102	ug/kg dry	
Hexachlorobenzene	---	U	102	ug/kg dry	
Atrazine	---	U	102	ug/kg dry	
Pentachlorophenol	---	U	102	ug/kg dry	
Phenanthrene	1890		102	ug/kg dry	
Anthracene	350		102	ug/kg dry	
Carbazole	228		102	ug/kg dry	
Di-N-Butyl Phthalate	---	U	102	ug/kg dry	
Fluoranthene	2970		102	ug/kg dry	

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SS-01-A				Sample ID: 1606029-01	
NVOA GCMS					
Pyrene	1880		102	ug/kg dry	
Butylbenzylphthalate	---	U	102	ug/kg dry	
3,3'- Dichlorobenzidine	---	U	102	ug/kg dry	
Benzo(A)Anthracene	1060		102	ug/kg dry	
Chrysene	1160		102	ug/kg dry	
Bis(2-Ethylhexyl)Phthalate	---	U	102	ug/kg dry	
Di-N-Octyl Phthalate	---	U	102	ug/kg dry	
Benzo(B)Fluoranthene	2190		102	ug/kg dry	
Benzo(K)Fluoranthene	599		102	ug/kg dry	
Benzo(A)Pyrene	684		102	ug/kg dry	
Indeno(1,2,3-Cd)Pyrene	851		102	ug/kg dry	
Dibenzo(A,H)Anthracene	220		102	ug/kg dry	
Benzo(G,H,I)Perylene	620		102	ug/kg dry	
1,8-Naphthalic anhydride	711	NJ		ug/kg dry	
11H-Benzo[a]fluoren-11-one	758	NJ		ug/kg dry	
7H-Benz[de]anthracen-7-one	811	NJ		ug/kg dry	
9,10-Anthracenedione	649	NJ		ug/kg dry	
Acenaphtho(1,2-B)pyridine	869	NJ		ug/kg dry	
Cyclopenta(def)phenanthrenone	887	NJ		ug/kg dry	
Naphthalene, 1-methyl-	628	NJ		ug/kg dry	
Perylene	1040	NJ		ug/kg dry	
Phthalic anhydride	779	NJ		ug/kg dry	
PCB Aroclors GC					
Aroclor 1016	---	U J	32	ug/kg dry	
Aroclor 1221	---	U J	64	ug/kg dry	
Aroclor 1232	---	U J	32	ug/kg dry	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SS-01-A				Sample ID: 1606029-01	
PCB Aroclors GC					
Aroclor 1242	---	U J	32	ug/kg dry	
Aroclor 1248	---	U J	32	ug/kg dry	
Aroclor 1254	---	U J	32	ug/kg dry	
Aroclor 1260	---	U J	32	ug/kg dry	
Aroclor 1262	---	U J	32	ug/kg dry	
Aroclor 1268	---	U J	32	ug/kg dry	
Metals ICP					
Aluminum	2800		17	mg/kg dry	
Antimony	12		3.3	mg/kg dry	
Arsenic	120		1.3	mg/kg dry	
Barium	92		17	mg/kg dry	
Beryllium	0.66		0.50	mg/kg dry	
Cadmium	5.4		0.50	mg/kg dry	
Calcium	2300		83	mg/kg dry	
Chromium	190		0.83	mg/kg dry	
Cobalt	35		3.3	mg/kg dry	
Copper	460		1.7	mg/kg dry	
Iron	350000		83	mg/kg dry	
Lead	94		1.3	mg/kg dry	
Magnesium	350		83	mg/kg dry	
Manganese	1300		0.83	mg/kg dry	
Nickel	160		3.3	mg/kg dry	
Potassium	410		83	mg/kg dry	
Selenium	31		3.3	mg/kg dry	
Silver	---	U	0.83	mg/kg dry	
Sodium	410		170	mg/kg dry	

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SS-01-A				Sample ID: 1606029-01	
Metals ICP					
Thallium	---	U	3.3	mg/kg dry	
Tin	34		1.7	mg/kg dry	
Vanadium	27		3.3	mg/kg dry	
Zinc	70		3.3	mg/kg dry	
Field ID: KR-SS-02-A				Sample ID: 1606029-02	
NVOA GCMS					
1,4-Dioxane	---	U	73.2	ug/kg dry	
Benzaldehyde	---	U	109	ug/kg dry	
Phenol	---	U	109	ug/kg dry	
Bis(2-Chloroethyl)Ether	---	U	109	ug/kg dry	
2-Chlorophenol	---	U	109	ug/kg dry	
2-Methylphenol	---	U	109	ug/kg dry	
Bis(2-Chloroisopropyl)Ether	---	U	109	ug/kg dry	
Acetophenone	---	U	109	ug/kg dry	
4-Methylphenol	---	U	109	ug/kg dry	
N-Nitroso-Di-N-Propylamine	---	U	109	ug/kg dry	
Hexachloroethane	---	U	109	ug/kg dry	
Nitrobenzene	---	U	109	ug/kg dry	
Isophorone	---	U	109	ug/kg dry	
2-Nitrophenol	---	U	109	ug/kg dry	
2,4-Dimethylphenol	---	U	109	ug/kg dry	
Bis(-2-Chloroethoxy)Methane	---	U	109	ug/kg dry	
2,4-Dichlorophenol	---	U	109	ug/kg dry	
Naphthalene	212		109	ug/kg dry	
4-Chloroaniline	---	U	109	ug/kg dry	
Hexachlorobutadiene	---	U	109	ug/kg dry	
Caprolactam	---	U	109	ug/kg dry	

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SS-02-A				Sample ID: 1606029-02	
NVOA GCMS					
4-Chloro-3-Methylphenol	---	U	109	ug/kg dry	
2-Methylnaphthalene	179		109	ug/kg dry	
1,2,4,5-Tetrachlorobenzene	---	U	109	ug/kg dry	
Hexachlorocyclopentadiene	---	U	109	ug/kg dry	
2,4,6-Trichlorophenol	---	U	109	ug/kg dry	
2,4,5-Trichlorophenol	---	U	109	ug/kg dry	
Biphenyl	---	U	109	ug/kg dry	
2-Chloronaphthalene	---	U	109	ug/kg dry	
2-Nitroaniline	---	U	109	ug/kg dry	
Dimethyl Phthalate	---	U	109	ug/kg dry	
Acenaphthylene	850		109	ug/kg dry	
2,6-Dinitrotoluene	---	U	109	ug/kg dry	
3-Nitroaniline	---	U	109	ug/kg dry	
Acenaphthene	---	U	109	ug/kg dry	
2,4-Dinitrophenol	---	U J	364	ug/kg dry	
4-Nitrophenol	---	U	109	ug/kg dry	
Dibenzofuran	154		109	ug/kg dry	
2,4-Dinitrotoluene	---	U	109	ug/kg dry	
2,3,4,6-Tetrachlorophenol	---	U	109	ug/kg dry	
Fluorene	137		109	ug/kg dry	
Diethylphthalate	---	U	109	ug/kg dry	
4-Chlorophenyl-Phenylether	---	U	109	ug/kg dry	
4-Nitroaniline	---	U	109	ug/kg dry	
4,6-Dinitro-2-Methylphenol	---	U	109	ug/kg dry	
N-Nitrosodiphenylamine	---	U	109	ug/kg dry	
4-Bromophenyl-Phenylether	---	U	109	ug/kg dry	
Hexachlorobenzene	---	U	109	ug/kg dry	
Atrazine	---	U	109	ug/kg dry	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SS-02-A				Sample ID: 1606029-02	
NVOA GCMS					
Pentachlorophenol	---	U	109	ug/kg dry	
Phenanthrene	1510		109	ug/kg dry	
Anthracene	849		109	ug/kg dry	
Carbazole	316		109	ug/kg dry	
Di-N-Butyl Phthalate	---	U	109	ug/kg dry	
Fluoranthene	5260		546	ug/kg dry	
Pyrene	4430		546	ug/kg dry	
Butylbenzylphthalate	---	U	109	ug/kg dry	
3,3'- Dichlorobenzidine	---	U	109	ug/kg dry	
Benzo(A)Anthracene	4470		546	ug/kg dry	
Chrysene	4520		546	ug/kg dry	
Bis(2-Ethylhexyl)Phthalate	---	U	109	ug/kg dry	
Di-N-Octyl Phthalate	---	U	109	ug/kg dry	
Benzo(B)Fluoranthene	6640		546	ug/kg dry	
Benzo(K)Fluoranthene	1590		109	ug/kg dry	
Benzo(A)Pyrene	3070		109	ug/kg dry	
Indeno(1,2,3-Cd)Pyrene	1640		109	ug/kg dry	
Dibenzo(A,H)Anthracene	451		109	ug/kg dry	
Benzo(G,H,I)Perylene	1170		109	ug/kg dry	
11H-Benzo[a]fluoren-11-one (01)	1870	NJ		ug/kg dry	
11H-Benzo[a]fluorene	875	NJ		ug/kg dry	
Benzo[b]naphtho[2,3-d]thiop...	955	NJ		ug/kg dry	
Pyrene, 1-methyl-	1220	NJ		ug/kg dry	
Pyrene, 2-methyl- (01)	1220	NJ		ug/kg dry	
Tetrachloroethylene	2830	NJ		ug/kg dry	
Triphenylene, 2-methyl-	1510	NJ		ug/kg dry	

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SS-02-A				Sample ID: 1606029-02	
PCB Aroclors GC					
Aroclor 1016	---	U J	34	ug/kg dry	
Aroclor 1221	---	U J	67	ug/kg dry	
Aroclor 1232	---	U J	34	ug/kg dry	
Aroclor 1242	---	U J	34	ug/kg dry	
Aroclor 1248	---	U J	34	ug/kg dry	
Aroclor 1254	---	U J	34	ug/kg dry	
Aroclor 1260	---	U J	34	ug/kg dry	
Aroclor 1262	---	U J	34	ug/kg dry	
Aroclor 1268	---	U J	34	ug/kg dry	
Metals ICP					
Aluminum	6000		8.2	mg/kg dry	
Antimony	1.7		1.6	mg/kg dry	
Arsenic	9.7		0.66	mg/kg dry	
Barium	53		8.2	mg/kg dry	
Beryllium	0.38		0.25	mg/kg dry	
Cadmium	0.68		0.25	mg/kg dry	
Calcium	10000		41	mg/kg dry	
Chromium	12		0.41	mg/kg dry	
Cobalt	7.4		1.6	mg/kg dry	
Copper	53		0.82	mg/kg dry	
Iron	19000		4.1	mg/kg dry	
Lead	130		0.66	mg/kg dry	
Magnesium	2000		41	mg/kg dry	
Manganese	400		0.41	mg/kg dry	
Nickel	16		1.6	mg/kg dry	
Potassium	410		41	mg/kg dry	
Selenium	---	U	1.6	mg/kg dry	

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SS-02-A				Sample ID: 1606029-02	
Metals ICP					
Silver	---	U	0.41	mg/kg dry	
Sodium	---	U	82	mg/kg dry	
Thallium	---	U	1.6	mg/kg dry	
Tin	6.1		0.82	mg/kg dry	
Vanadium	14		1.6	mg/kg dry	
Zinc	190		1.6	mg/kg dry	
Field ID: KR-SS-03-A				Sample ID: 1606029-03	
NVOA GCMS					
1,4-Dioxane	---	U L	130	ug/kg dry	
Benzaldehyde	---	U L	195	ug/kg dry	
Phenol	---	U L	195	ug/kg dry	
Bis(2-Chloroethyl)Ether	---	U L	195	ug/kg dry	
2-Chlorophenol	---	U L	195	ug/kg dry	
2-Methylphenol	---	U L	195	ug/kg dry	
Bis(2-Chloroisopropyl)Ether	---	U L	195	ug/kg dry	
Acetophenone	---	U L	195	ug/kg dry	
4-Methylphenol	---	U L	195	ug/kg dry	
N-Nitroso-Di-N-Propylamine	---	U L	195	ug/kg dry	
Hexachloroethane	---	U L	195	ug/kg dry	
Nitrobenzene	---	U L	195	ug/kg dry	
Isophorone	---	U L	195	ug/kg dry	
2-Nitrophenol	---	U L	195	ug/kg dry	
2,4-Dimethylphenol	---	U L	195	ug/kg dry	
Bis(-2-Chloroethoxy)Methane	---	U L	195	ug/kg dry	
2,4-Dichlorophenol	---	U L	195	ug/kg dry	
Naphthalene	---	U L	195	ug/kg dry	
4-Chloroaniline	---	U L	195	ug/kg dry	
Hexachlorobutadiene	---	U L	195	ug/kg dry	

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SS-03-A				Sample ID: 1606029-03	
NVOA GCMS					
Caprolactam	---	U L	195	ug/kg dry	
4-Chloro-3-Methylphenol	---	U L	195	ug/kg dry	
2-Methylnaphthalene	---	U L	195	ug/kg dry	
1,2,4,5-Tetrachlorobenzene	---	U L	195	ug/kg dry	
Hexachlorocyclopentadiene	---	U L	195	ug/kg dry	
2,4,6-Trichlorophenol	---	U L	195	ug/kg dry	
2,4,5-Trichlorophenol	---	U L	195	ug/kg dry	
Biphenyl	---	U L	195	ug/kg dry	
2-Chloronaphthalene	---	U L	195	ug/kg dry	
2-Nitroaniline	---	U L	195	ug/kg dry	
Dimethyl Phthalate	---	U L	195	ug/kg dry	
Acenaphthylene	---	U L	195	ug/kg dry	
2,6-Dinitrotoluene	---	U L	195	ug/kg dry	
3-Nitroaniline	---	U L	195	ug/kg dry	
Acenaphthene	1190	L	195	ug/kg dry	
2,4-Dinitrophenol	---	U J	648	ug/kg dry	
4-Nitrophenol	---	U L	195	ug/kg dry	
Dibenzofuran	720	L	195	ug/kg dry	
2,4-Dinitrotoluene	---	U L	195	ug/kg dry	
2,3,4,6-Tetrachlorophenol	---	U L	195	ug/kg dry	
Fluorene	1130	L	195	ug/kg dry	
Diethylphthalate	---	U L	195	ug/kg dry	
4-Chlorophenyl-Phenylether	---	U L	195	ug/kg dry	
4-Nitroaniline	---	U L	195	ug/kg dry	
4,6-Dinitro-2-Methylphenol	---	U L	195	ug/kg dry	
N-Nitrosodiphenylamine	---	U L	195	ug/kg dry	
4-Bromophenyl-Phenylether	---	U L	195	ug/kg dry	
Hexachlorobenzene	---	U L	195	ug/kg dry	

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Field ID: KR-SS-03-A				Sample ID: 1606029-03	
NVOA GCMS					
Atrazine	---	U L	195	ug/kg dry	
Pentachlorophenol	---	U L	195	ug/kg dry	
Phenanthrene	7560	L	1950	ug/kg dry	
Anthracene	2240	L	195	ug/kg dry	
Carbazole	656	L	195	ug/kg dry	
Di-N-Butyl Phthalate	---	U L	195	ug/kg dry	
Fluoranthene	23300	L	1950	ug/kg dry	
Pyrene	12500	L	1950	ug/kg dry	
Butylbenzylphthalate	---	U L	195	ug/kg dry	
3,3'- Dichlorobenzidine	---	U L	195	ug/kg dry	
Benzo(A)Anthracene	1520	L	195	ug/kg dry	
Chrysene	6170	L	195	ug/kg dry	
Bis(2-Ethylhexyl)Phthalate	3020	J	195	ug/kg dry	
Di-N-Octyl Phthalate	---	U L	195	ug/kg dry	
Benzo(B)Fluoranthene	---	U L	195	ug/kg dry	
Benzo(K)Fluoranthene	---	U L	195	ug/kg dry	
Benzo(A)Pyrene	---	U L	195	ug/kg dry	
Indeno(1,2,3-Cd)Pyrene	---	U L	195	ug/kg dry	
Dibenzo(A,H)Anthracene	---	U L	195	ug/kg dry	
Benzo(G,H,I)Perylene	---	U L	195	ug/kg dry	
2-Phenylnaphthalene	1010	NJ		ug/kg dry	
9,10-Anthracenedione	2300	NJ		ug/kg dry	
Pentadecane, 2,6,10,14-tetr...	2310	NJ		ug/kg dry	
Pentadecane, 2,6,10-trimethyl-	929	NJ		ug/kg dry	

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Field ID: KR-SS-03-A				Sample ID: 1606029-03	
PCB Aroclors GC					
Aroclor 1016	---	U J	41	ug/kg dry	
Aroclor 1221	---	U J	81	ug/kg dry	
Aroclor 1232	---	U J	41	ug/kg dry	
Aroclor 1242	---	U J	41	ug/kg dry	
Aroclor 1248	---	U J	41	ug/kg dry	
Aroclor 1254	---	U J	41	ug/kg dry	
Aroclor 1260	---	U J	41	ug/kg dry	
Aroclor 1262	---	U J	41	ug/kg dry	
Aroclor 1268	---	U J	41	ug/kg dry	
Metals ICP					
Aluminum	2000		11	mg/kg dry	
Antimony	7.1		2.1	mg/kg dry	
Arsenic	30		0.86	mg/kg dry	
Barium	45		11	mg/kg dry	
Beryllium	---	U	0.32	mg/kg dry	
Cadmium	7.3		0.32	mg/kg dry	
Calcium	7700		54	mg/kg dry	
Chromium	220		0.54	mg/kg dry	
Cobalt	23		2.1	mg/kg dry	
Copper	310		1.1	mg/kg dry	
Iron	170000		54	mg/kg dry	
Lead	170		0.86	mg/kg dry	
Magnesium	770		54	mg/kg dry	
Manganese	1100		0.54	mg/kg dry	
Nickel	180		2.1	mg/kg dry	
Potassium	310		54	mg/kg dry	
Selenium	3.5		2.1	mg/kg dry	

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SS-03-A				Sample ID: 1606029-03	
Metals ICP					
Silver	---	U	0.54	mg/kg dry	
Sodium	150		110	mg/kg dry	
Thallium	---	U	2.1	mg/kg dry	
Tin	21		1.1	mg/kg dry	
Vanadium	30		2.1	mg/kg dry	
Zinc	330		2.1	mg/kg dry	
Field ID: KR-SS-04-A				Sample ID: 1606029-04	
NVOA GCMS					
1,4-Dioxane	---	U	73.1	ug/kg dry	
Benzaldehyde	---	U L	109	ug/kg dry	
Phenol	---	U L	109	ug/kg dry	
Bis(2-Chloroethyl)Ether	---	U L	109	ug/kg dry	
2-Chlorophenol	---	U L	109	ug/kg dry	
2-Methylphenol	---	U L	109	ug/kg dry	
Bis(2-Chloroisopropyl)Ether	---	U L	109	ug/kg dry	
Acetophenone	---	U L	109	ug/kg dry	
4-Methylphenol	---	U L	109	ug/kg dry	
N-Nitroso-Di-N-Propylamine	---	U L	109	ug/kg dry	
Hexachloroethane	---	U L	109	ug/kg dry	
Nitrobenzene	---	U L	109	ug/kg dry	
Isophorone	---	U L	109	ug/kg dry	
2-Nitrophenol	---	U L	109	ug/kg dry	
2,4-Dimethylphenol	---	U L	109	ug/kg dry	
Bis(-2-Chloroethoxy)Methane	---	U L	109	ug/kg dry	
2,4-Dichlorophenol	---	U L	109	ug/kg dry	
Naphthalene	232		109	ug/kg dry	
4-Chloroaniline	---	U	109	ug/kg dry	

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SS-04-A				Sample ID: 1606029-04	
NVOA GCMS					
Hexachlorobutadiene	---	U	109	ug/kg dry	
Caprolactam	---	U	109	ug/kg dry	
4-Chloro-3-Methylphenol	---	U L	109	ug/kg dry	
2-Methylnaphthalene	155		109	ug/kg dry	
1,2,4,5-Tetrachlorobenzene	---	U	109	ug/kg dry	
Hexachlorocyclopentadiene	---	U	109	ug/kg dry	
2,4,6-Trichlorophenol	---	U L	109	ug/kg dry	
2,4,5-Trichlorophenol	---	U L	109	ug/kg dry	
Biphenyl	---	U	109	ug/kg dry	
2-Chloronaphthalene	---	U	109	ug/kg dry	
2-Nitroaniline	---	U	109	ug/kg dry	
Dimethyl Phthalate	---	U	109	ug/kg dry	
Acenaphthylene	155		109	ug/kg dry	
2,6-Dinitrotoluene	---	U	109	ug/kg dry	
3-Nitroaniline	---	U	109	ug/kg dry	
Acenaphthene	---	U	109	ug/kg dry	
2,4-Dinitrophenol	---	U J	364	ug/kg dry	
4-Nitrophenol	---	U L	109	ug/kg dry	
Dibenzofuran	---	U	109	ug/kg dry	
2,4-Dinitrotoluene	---	U	109	ug/kg dry	
2,3,4,6-Tetrachlorophenol	---	U	109	ug/kg dry	
Fluorene	---	U	109	ug/kg dry	
Diethylphthalate	---	U	109	ug/kg dry	
4-Chlorophenyl-Phenylether	---	U	109	ug/kg dry	
4-Nitroaniline	---	U	109	ug/kg dry	
4,6-Dinitro-2-Methylphenol	---	U L	109	ug/kg dry	
N-Nitrosodiphenylamine	---	U	109	ug/kg dry	
4-Bromophenyl-Phenylether	---	U	109	ug/kg dry	

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SS-04-A				Sample ID: 1606029-04	
NVOA GCMS					
Hexachlorobenzene	---	U	109	ug/kg dry	
Atrazine	---	U	109	ug/kg dry	
Pentachlorophenol	---	U L	109	ug/kg dry	
Phenanthrene	488		109	ug/kg dry	
Anthracene	154		109	ug/kg dry	
Carbazole	---	U L	109	ug/kg dry	
Di-N-Butyl Phthalate	---	U L	109	ug/kg dry	
Fluoranthene	1260	L	109	ug/kg dry	
Pyrene	1070	L	109	ug/kg dry	
Butylbenzylphthalate	---	U L	109	ug/kg dry	
3,3'- Dichlorobenzidine	---	U L	109	ug/kg dry	
Benzo(A)Anthracene	661	L	109	ug/kg dry	
Chrysene	739	L	109	ug/kg dry	
Bis(2-Ethylhexyl)Phthalate	---	U L	109	ug/kg dry	
Di-N-Octyl Phthalate	---	U L	109	ug/kg dry	
Benzo(B)Fluoranthene	1050	L	109	ug/kg dry	
Benzo(K)Fluoranthene	355	L	109	ug/kg dry	
Benzo(A)Pyrene	613	L	109	ug/kg dry	
Indeno(1,2,3-Cd)Pyrene	383	L	109	ug/kg dry	
Dibenzo(A,H)Anthracene	---	U L	109	ug/kg dry	
Benzo(G,H,I)Perylene	289	L	109	ug/kg dry	
11H-Benzo[a]fluoren-11-one	394	NJ		ug/kg dry	
11H-Benzo[b]fluorene	501	NJ		ug/kg dry	
Pentadecane, 2,6,10,14-tetr...	536	NJ		ug/kg dry	
Tetrachloroethylene	5890	NJ		ug/kg dry	

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Field ID: KR-SS-04-A				Sample ID: 1606029-04	
PCB Aroclors GC					
Aroclor 1016	---	U J	34	ug/kg dry	
Aroclor 1221	---	U J	68	ug/kg dry	
Aroclor 1232	---	U J	34	ug/kg dry	
Aroclor 1242	---	U J	34	ug/kg dry	
Aroclor 1248	---	U J	34	ug/kg dry	
Aroclor 1254	---	U J	34	ug/kg dry	
Aroclor 1260	---	U J	34	ug/kg dry	
Aroclor 1262	---	U J	34	ug/kg dry	
Aroclor 1268	---	U J	34	ug/kg dry	
Metals ICP					
Aluminum	5400		8.8	mg/kg dry	
Antimony	3.7		1.8	mg/kg dry	
Arsenic	9.9		0.70	mg/kg dry	
Barium	51		8.8	mg/kg dry	
Beryllium	0.37		0.26	mg/kg dry	
Cadmium	0.30		0.26	mg/kg dry	
Calcium	1200		44	mg/kg dry	
Chromium	9.9		0.44	mg/kg dry	
Cobalt	6.7		1.8	mg/kg dry	
Copper	76		0.88	mg/kg dry	
Iron	20000		4.4	mg/kg dry	
Lead	130		0.70	mg/kg dry	
Magnesium	1900		44	mg/kg dry	
Manganese	360		0.44	mg/kg dry	
Nickel	14		1.8	mg/kg dry	
Potassium	400		44	mg/kg dry	
Selenium	---	U	1.8	mg/kg dry	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SS-04-A				Sample ID: 1606029-04	
Metals ICP					
Silver	---	U	0.44	mg/kg dry	
Sodium	---	U	88	mg/kg dry	
Thallium	---	U	1.8	mg/kg dry	
Tin	9.7		0.88	mg/kg dry	
Vanadium	13		1.8	mg/kg dry	
Zinc	61		1.8	mg/kg dry	
Field ID: KR-SS-05-A				Sample ID: 1606029-05	
NVOA GCMS					
1,4-Dioxane	---	U L	70.7	ug/kg dry	
Benzaldehyde	---	U L	106	ug/kg dry	
Phenol	---	U L	106	ug/kg dry	
Bis(2-Chloroethyl)Ether	---	U L	106	ug/kg dry	
2-Chlorophenol	---	U L	106	ug/kg dry	
2-Methylphenol	---	U L	106	ug/kg dry	
Bis(2-Chloroisopropyl)Ether	---	U L	106	ug/kg dry	
Acetophenone	---	U L	106	ug/kg dry	
4-Methylphenol	---	U L	106	ug/kg dry	
N-Nitroso-Di-N-Propylamine	---	U L	106	ug/kg dry	
Hexachloroethane	---	U L	106	ug/kg dry	
Nitrobenzene	---	U L	106	ug/kg dry	
Isophorone	---	U L	106	ug/kg dry	
2-Nitrophenol	---	U L	106	ug/kg dry	
2,4-Dimethylphenol	---	U L	106	ug/kg dry	
Bis(-2-Chloroethoxy)Methane	---	U L	106	ug/kg dry	
2,4-Dichlorophenol	---	U L	106	ug/kg dry	
Naphthalene	218	L	106	ug/kg dry	
4-Chloroaniline	---	U	106	ug/kg dry	

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SS-05-A				Sample ID: 1606029-05	
NVOA GCMS					
Hexachlorobutadiene	---	U	106	ug/kg dry	
Caprolactam	---	U	106	ug/kg dry	
4-Chloro-3-Methylphenol	---	U L	106	ug/kg dry	
2-Methylnaphthalene	192		106	ug/kg dry	
1,2,4,5-Tetrachlorobenzene	---	U	106	ug/kg dry	
Hexachlorocyclopentadiene	---	U	106	ug/kg dry	
2,4,6-Trichlorophenol	---	U L	106	ug/kg dry	
2,4,5-Trichlorophenol	---	U L	106	ug/kg dry	
Biphenyl	---	U	106	ug/kg dry	
2-Chloronaphthalene	---	U	106	ug/kg dry	
2-Nitroaniline	---	U	106	ug/kg dry	
Dimethyl Phthalate	---	U	106	ug/kg dry	
Acenaphthylene	---	U	106	ug/kg dry	
2,6-Dinitrotoluene	---	U	106	ug/kg dry	
3-Nitroaniline	---	U	106	ug/kg dry	
Acenaphthene	---	U	106	ug/kg dry	
2,4-Dinitrophenol	---	U J	352	ug/kg dry	
4-Nitrophenol	---	U L	106	ug/kg dry	
Dibenzofuran	---	U	106	ug/kg dry	
2,4-Dinitrotoluene	---	U	106	ug/kg dry	
2,3,4,6-Tetrachlorophenol	---	U L	106	ug/kg dry	
Fluorene	---	U	106	ug/kg dry	
Diethylphthalate	---	U	106	ug/kg dry	
4-Chlorophenyl-Phenylether	---	U	106	ug/kg dry	
4-Nitroaniline	---	U	106	ug/kg dry	
4,6-Dinitro-2-Methylphenol	---	U L	106	ug/kg dry	
N-Nitrosodiphenylamine	---	U	106	ug/kg dry	
4-Bromophenyl-Phenylether	---	U	106	ug/kg dry	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SS-05-A				Sample ID: 1606029-05	
NVOA GCMS					
Hexachlorobenzene	---	U	106	ug/kg dry	
Atrazine	---	U	106	ug/kg dry	
Pentachlorophenol	---	U L	106	ug/kg dry	
Phenanthrene	145		106	ug/kg dry	
Anthracene	---	U	106	ug/kg dry	
Carbazole	---	U L	106	ug/kg dry	
Di-N-Butyl Phthalate	---	U L	106	ug/kg dry	
Fluoranthene	266	L	106	ug/kg dry	
Pyrene	248	L	106	ug/kg dry	
Butylbenzylphthalate	---	U L	106	ug/kg dry	
3,3'- Dichlorobenzidine	---	U L	106	ug/kg dry	
Benzo(A)Anthracene	126	L	106	ug/kg dry	
Chrysene	172	L	106	ug/kg dry	
Bis(2-Ethylhexyl)Phthalate	---	U L	106	ug/kg dry	
Di-N-Octyl Phthalate	---	U L	106	ug/kg dry	
Benzo(B)Fluoranthene	248	L	106	ug/kg dry	
Benzo(K)Fluoranthene	---	U L	106	ug/kg dry	
Benzo(A)Pyrene	---	U L	106	ug/kg dry	
Indeno(1,2,3-Cd)Pyrene	---	U L	106	ug/kg dry	
Dibenzo(A,H)Anthracene	---	U L	106	ug/kg dry	
Benzo(G,H,I)Perylene	---	U L	106	ug/kg dry	
HEPTADECANE	1590	NJ		ug/kg dry	
Hexadecane	2820	NJ		ug/kg dry	
Hexadecane, 2,6,10,14-tetra...	1770	NJ		ug/kg dry	
Octadecane	1480	NJ		ug/kg dry	
Pentadecane	4200	NJ		ug/kg dry	
Pentadecane, 2,6,10,14-tetr...	2460	NJ		ug/kg dry	

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SS-05-A				Sample ID: 1606029-05	
NVOA GCMS					
Tetrachloroethylene	2170	NJ		ug/kg dry	
Tetradecane	1490	NJ		ug/kg dry	
Undecane	1670	NJ		ug/kg dry	
PCB Aroclors GC					
Aroclor 1016	---	U J	33	ug/kg dry	
Aroclor 1221	---	U J	66	ug/kg dry	
Aroclor 1232	---	U J	33	ug/kg dry	
Aroclor 1242	---	U J	33	ug/kg dry	
Aroclor 1248	---	U J	33	ug/kg dry	
Aroclor 1254	---	U J	33	ug/kg dry	
Aroclor 1260	---	U J	33	ug/kg dry	
Aroclor 1262	---	U J	33	ug/kg dry	
Aroclor 1268	---	U J	33	ug/kg dry	
Metals ICP					
Aluminum	5400		8.3	mg/kg dry	
Antimony	2.3		1.7	mg/kg dry	
Arsenic	8.0		0.66	mg/kg dry	
Barium	37		8.3	mg/kg dry	
Beryllium	0.27		0.25	mg/kg dry	
Cadmium	0.47		0.25	mg/kg dry	
Calcium	1300		41	mg/kg dry	
Chromium	9.7		0.41	mg/kg dry	
Cobalt	5.2		1.7	mg/kg dry	
Copper	37		0.83	mg/kg dry	
Iron	16000		4.1	mg/kg dry	
Lead	90		0.66	mg/kg dry	

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SS-05-A				Sample ID: 1606029-05	
Metals ICP					
Magnesium	1700		41	mg/kg dry	
Manganese	290		0.41	mg/kg dry	
Nickel	13		1.7	mg/kg dry	
Potassium	340		41	mg/kg dry	
Selenium	---	U	1.7	mg/kg dry	
Silver	---	U	0.41	mg/kg dry	
Sodium	---	U	83	mg/kg dry	
Thallium	---	U	1.7	mg/kg dry	
Tin	5.3		0.83	mg/kg dry	
Vanadium	13		1.7	mg/kg dry	
Zinc	140		1.7	mg/kg dry	
Field ID: KR-SS-06-A				Sample ID: 1606029-06	
NVOA GCMS					
1,4-Dioxane	---	U	71.0	ug/kg dry	
Benzaldehyde	---	U L	106	ug/kg dry	
Phenol	---	U L	106	ug/kg dry	
Bis(2-Chloroethyl)Ether	---	U L	106	ug/kg dry	
2-Chlorophenol	---	U L	106	ug/kg dry	
2-Methylphenol	---	U L	106	ug/kg dry	
Bis(2-Chloroisopropyl)Ether	---	U L	106	ug/kg dry	
Acetophenone	---	U L	106	ug/kg dry	
4-Methylphenol	---	U L	106	ug/kg dry	
N-Nitroso-Di-N-Propylamine	---	U L	106	ug/kg dry	
Hexachloroethane	---	U L	106	ug/kg dry	
Nitrobenzene	---	U L	106	ug/kg dry	
Isophorone	---	U L	106	ug/kg dry	
2-Nitrophenol	---	U L	106	ug/kg dry	

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SS-06-A				Sample ID: 1606029-06	
NVOA GCMS					
2,4-Dimethylphenol	---	U L	106	ug/kg dry	
Bis(-2-Chloroethoxy)Methane	---	U L	106	ug/kg dry	
2,4-Dichlorophenol	---	U L	106	ug/kg dry	
Naphthalene	113	L	106	ug/kg dry	
4-Chloroaniline	---	U L	106	ug/kg dry	
Hexachlorobutadiene	---	U L	106	ug/kg dry	
Caprolactam	---	U L	106	ug/kg dry	
4-Chloro-3-Methylphenol	---	U L	106	ug/kg dry	
2-Methylnaphthalene	---	U L	106	ug/kg dry	
1,2,4,5-Tetrachlorobenzene	---	U L	106	ug/kg dry	
Hexachlorocyclopentadiene	---	U L	106	ug/kg dry	
2,4,6-Trichlorophenol	---	U L	106	ug/kg dry	
2,4,5-Trichlorophenol	---	U L	106	ug/kg dry	
Biphenyl	---	U L	106	ug/kg dry	
2-Chloronaphthalene	---	U L	106	ug/kg dry	
2-Nitroaniline	---	U L	106	ug/kg dry	
Dimethyl Phthalate	---	U L	106	ug/kg dry	
Acenaphthylene	---	U L	106	ug/kg dry	
2,6-Dinitrotoluene	---	U L	106	ug/kg dry	
3-Nitroaniline	---	U L	106	ug/kg dry	
Acenaphthene	---	U L	106	ug/kg dry	
2,4-Dinitrophenol	---	U J	353	ug/kg dry	
4-Nitrophenol	---	U L	106	ug/kg dry	
Dibenzofuran	---	U L	106	ug/kg dry	
2,4-Dinitrotoluene	---	U L	106	ug/kg dry	
2,3,4,6-Tetrachlorophenol	---	U L	106	ug/kg dry	
Fluorene	---	U L	106	ug/kg dry	
Diethylphthalate	---	U L	106	ug/kg dry	

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SS-06-A				Sample ID: 1606029-06	
NVOA GCMS					
4-Chlorophenyl-Phenylether	---	U L	106	ug/kg dry	
4-Nitroaniline	---	U L	106	ug/kg dry	
4,6-Dinitro-2-Methylphenol	---	U L	106	ug/kg dry	
N-Nitrosodiphenylamine	---	U L	106	ug/kg dry	
4-Bromophenyl-Phenylether	---	U L	106	ug/kg dry	
Hexachlorobenzene	---	U L	106	ug/kg dry	
Atrazine	---	U L	106	ug/kg dry	
Pentachlorophenol	---	U L	106	ug/kg dry	
Phenanthrene	---	U L	106	ug/kg dry	
Anthracene	---	U L	106	ug/kg dry	
Carbazole	---	U L	106	ug/kg dry	
Di-N-Butyl Phthalate	---	U L	106	ug/kg dry	
Fluoranthene	---	U L	106	ug/kg dry	
Pyrene	---	U L	106	ug/kg dry	
Butylbenzylphthalate	---	U L	106	ug/kg dry	
3,3'- Dichlorobenzidine	---	U L	106	ug/kg dry	
Benzo(A)Anthracene	---	U L	106	ug/kg dry	
Chrysene	---	U L	106	ug/kg dry	
Bis(2-Ethylhexyl)Phthalate	---	U L	106	ug/kg dry	
Di-N-Octyl Phthalate	---	U L	106	ug/kg dry	
Benzo(B)Fluoranthene	---	U L	106	ug/kg dry	
Benzo(K)Fluoranthene	---	U L	106	ug/kg dry	
Benzo(A)Pyrene	---	U L	106	ug/kg dry	
Indeno(1,2,3-Cd)Pyrene	---	U L	106	ug/kg dry	
Dibenzo(A,H)Anthracene	---	U L	106	ug/kg dry	
Benzo(G,H,I)Perylene	---	U L	106	ug/kg dry	
Eicosane	454	NJ		ug/kg dry	
HEPTADECANE	443	NJ		ug/kg dry	

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SS-06-A				Sample ID: 1606029-06	
NVOA GCMS					
Hexadecane (01)	583	NJ		ug/kg dry	
Hexadecane, 2,6,10,14-tetra...	604	NJ		ug/kg dry	
Pentadecane	904	NJ		ug/kg dry	
Pentadecane, 2,6,10,14-tetr...	1210	NJ		ug/kg dry	
Pentadecane, 2,6,10-trimethyl-	783	NJ		ug/kg dry	
Tetrachloroethylene	6930	NJ		ug/kg dry	
Tetradecane	487	NJ		ug/kg dry	
PCB Aroclors GC					
Aroclor 1016	---	U J	33	ug/kg dry	
Aroclor 1221	---	U J	66	ug/kg dry	
Aroclor 1232	---	U J	33	ug/kg dry	
Aroclor 1242	---	U J	33	ug/kg dry	
Aroclor 1248	---	U J	33	ug/kg dry	
Aroclor 1254	---	U J	33	ug/kg dry	
Aroclor 1260	---	U J	33	ug/kg dry	
Aroclor 1262	---	U J	33	ug/kg dry	
Aroclor 1268	---	U J	33	ug/kg dry	
Metals ICP					
Aluminum	5500		8.3	mg/kg dry	
Antimony	3.4		1.7	mg/kg dry	
Arsenic	9.7		0.66	mg/kg dry	
Barium	56		8.3	mg/kg dry	
Beryllium	0.31		0.25	mg/kg dry	
Cadmium	0.72		0.25	mg/kg dry	
Calcium	4300		41	mg/kg dry	
Chromium	14		0.41	mg/kg dry	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SS-06-A				Sample ID: 1606029-06	
Metals ICP					
Cobalt	6.4		1.7	mg/kg dry	
Copper	72		0.83	mg/kg dry	
Iron	22000		4.1	mg/kg dry	
Lead	170		0.66	mg/kg dry	
Magnesium	1800		41	mg/kg dry	
Manganese	380		0.41	mg/kg dry	
Nickel	18		1.7	mg/kg dry	
Potassium	430		41	mg/kg dry	
Selenium	---	U	1.7	mg/kg dry	
Silver	---	U	0.41	mg/kg dry	
Sodium	---	U	83	mg/kg dry	
Thallium	---	U	1.7	mg/kg dry	
Tin	8.7		0.83	mg/kg dry	
Vanadium	13		1.7	mg/kg dry	
Zinc	310		1.7	mg/kg dry	
Field ID: KR-SS-07-A				Sample ID: 1606029-07	
NVOA GCMS					
1,4-Dioxane	---	U	72.5	ug/kg dry	
Benzaldehyde	154		108	ug/kg dry	
Phenol	---	U	108	ug/kg dry	
Bis(2-Chloroethyl)Ether	---	U	108	ug/kg dry	
2-Chlorophenol	---	U	108	ug/kg dry	
2-Methylphenol	---	U	108	ug/kg dry	
Bis(2-Chloroisopropyl)Ether	---	U	108	ug/kg dry	
Acetophenone	---	U	108	ug/kg dry	
4-Methylphenol	---	U	108	ug/kg dry	

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SS-07-A				Sample ID: 1606029-07	
NVOA GCMS					
N-Nitroso-Di-N-Propylamine	---	U	108	ug/kg dry	
Hexachloroethane	---	U	108	ug/kg dry	
Nitrobenzene	---	U	108	ug/kg dry	
Isophorone	---	U	108	ug/kg dry	
2-Nitrophenol	---	U	108	ug/kg dry	
2,4-Dimethylphenol	---	U	108	ug/kg dry	
Bis(-2-Chloroethoxy)Methane	---	U	108	ug/kg dry	
2,4-Dichlorophenol	---	U	108	ug/kg dry	
Naphthalene	564		108	ug/kg dry	
4-Chloroaniline	---	U	108	ug/kg dry	
Hexachlorobutadiene	---	U	108	ug/kg dry	
Caprolactam	---	U	108	ug/kg dry	
4-Chloro-3-Methylphenol	---	U	108	ug/kg dry	
2-Methylnaphthalene	548		108	ug/kg dry	
1,2,4,5-Tetrachlorobenzene	---	U	108	ug/kg dry	
Hexachlorocyclopentadiene	---	U	108	ug/kg dry	
2,4,6-Trichlorophenol	---	U	108	ug/kg dry	
2,4,5-Trichlorophenol	---	U	108	ug/kg dry	
Biphenyl	---	U	108	ug/kg dry	
2-Chloronaphthalene	---	U	108	ug/kg dry	
2-Nitroaniline	---	U	108	ug/kg dry	
Dimethyl Phthalate	---	U	108	ug/kg dry	
Acenaphthylene	1140		108	ug/kg dry	
2,6-Dinitrotoluene	---	U	108	ug/kg dry	
3-Nitroaniline	---	U	108	ug/kg dry	
Acenaphthene	---	U	108	ug/kg dry	
2,4-Dinitrophenol	---	U J	361	ug/kg dry	
4-Nitrophenol	---	U	108	ug/kg dry	

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SS-07-A				Sample ID: 1606029-07	
NVOA GCMS					
Dibenzofuran	290		108	ug/kg dry	
2,4-Dinitrotoluene	---	U	108	ug/kg dry	
2,3,4,6-Tetrachlorophenol	---	U	108	ug/kg dry	
Fluorene	---	U	108	ug/kg dry	
Diethylphthalate	---	U	108	ug/kg dry	
4-Chlorophenyl-Phenylether	---	U	108	ug/kg dry	
4-Nitroaniline	---	U	108	ug/kg dry	
4,6-Dinitro-2-Methylphenol	---	U	108	ug/kg dry	
N-Nitrosodiphenylamine	---	U	108	ug/kg dry	
4-Bromophenyl-Phenylether	---	U	108	ug/kg dry	
Hexachlorobenzene	---	U	108	ug/kg dry	
Atrazine	---	U	108	ug/kg dry	
Pentachlorophenol	---	U	108	ug/kg dry	
Phenanthrene	1120		108	ug/kg dry	
Anthracene	795		108	ug/kg dry	
Carbazole	268		108	ug/kg dry	
Di-N-Butyl Phthalate	---	U	108	ug/kg dry	
Fluoranthene	4490		541	ug/kg dry	
Pyrene	3870		541	ug/kg dry	
Butylbenzylphthalate	---	U	108	ug/kg dry	
3,3'- Dichlorobenzidine	---	U	108	ug/kg dry	
Benzo(A)Anthracene	3380		108	ug/kg dry	
Chrysene	3590		108	ug/kg dry	
Bis(2-Ethylhexyl)Phthalate	560		108	ug/kg dry	
Di-N-Octyl Phthalate	---	U	108	ug/kg dry	
Benzo(B)Fluoranthene	6540		541	ug/kg dry	
Benzo(K)Fluoranthene	1470		108	ug/kg dry	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SS-07-A				Sample ID: 1606029-07	
NVOA GCMS					
Benzo(A)Pyrene	2610		108	ug/kg dry	
Indeno(1,2,3-Cd)Pyrene	1350		108	ug/kg dry	
Dibenzo(A,H)Anthracene	374		108	ug/kg dry	
Benzo(G,H,I)Perylene	969		108	ug/kg dry	
11H-Benzo[a]fluoren-11-one	1850	NJ		ug/kg dry	
Benz[a]anthracene, 7-methyl-	1420	NJ		ug/kg dry	
Benzenesulfonamide, N-butyl-	1330	NJ		ug/kg dry	
di-p-Tolylacetylene	1010	NJ		ug/kg dry	
HENTRIACONTANE	1020	NJ		ug/kg dry	
Naphthalene, 1-methyl-	1000	NJ		ug/kg dry	
Naphthalene, 2,3-dimethyl-	974	NJ		ug/kg dry	
Pentadecane, 2,6,10,14-tetr...	1210	NJ		ug/kg dry	
PCB Aroclors GC					
Aroclor 1016	---	U J	34	ug/kg dry	
Aroclor 1221	---	U J	67	ug/kg dry	
Aroclor 1232	---	U J	34	ug/kg dry	
Aroclor 1242	---	U J	34	ug/kg dry	
Aroclor 1248	---	U J	34	ug/kg dry	
Aroclor 1254	---	U J	34	ug/kg dry	
Aroclor 1260	---	U J	34	ug/kg dry	
Aroclor 1262	---	U J	34	ug/kg dry	
Aroclor 1268	---	U J	34	ug/kg dry	
Metals ICP					
Aluminum	5600		8.3	mg/kg dry	
Antimony	4.6		1.7	mg/kg dry	
Arsenic	10		0.66	mg/kg dry	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SS-07-A				Sample ID: 1606029-07	
Metals ICP					
Barium	59		8.3	mg/kg dry	
Beryllium	0.34		0.25	mg/kg dry	
Cadmium	0.64		0.25	mg/kg dry	
Calcium	3700		41	mg/kg dry	
Chromium	15		0.41	mg/kg dry	
Cobalt	6.5		1.7	mg/kg dry	
Copper	100		0.83	mg/kg dry	
Iron	28000		4.1	mg/kg dry	
Lead	170		0.66	mg/kg dry	
Magnesium	1500		41	mg/kg dry	
Manganese	370		0.41	mg/kg dry	
Nickel	18		1.7	mg/kg dry	
Potassium	410		41	mg/kg dry	
Selenium	---	U	1.7	mg/kg dry	
Silver	---	U	0.41	mg/kg dry	
Sodium	---	U	83	mg/kg dry	
Thallium	---	U	1.7	mg/kg dry	
Tin	16		0.83	mg/kg dry	
Vanadium	16		1.7	mg/kg dry	
Zinc	84		1.7	mg/kg dry	
Field ID: KR-SS-08-A				Sample ID: 1606029-08	
NVOA GCMS					
1,4-Dioxane	---	U	74.9	ug/kg dry	
Benzaldehyde	162		112	ug/kg dry	
Phenol	---	U	112	ug/kg dry	
Bis(2-Chloroethyl)Ether	---	U	112	ug/kg dry	

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SS-08-A				Sample ID: 1606029-08	
NVOA GCMS					
2-Chlorophenol	---	U	112	ug/kg dry	
2-Methylphenol	---	U	112	ug/kg dry	
Bis(2-Chloroisopropyl)Ether	---	U	112	ug/kg dry	
Acetophenone	---	U	112	ug/kg dry	
4-Methylphenol	---	U	112	ug/kg dry	
N-Nitroso-Di-N-Propylamine	---	U	112	ug/kg dry	
Hexachloroethane	---	U	112	ug/kg dry	
Nitrobenzene	---	U	112	ug/kg dry	
Isophorone	---	U	112	ug/kg dry	
2-Nitrophenol	---	U	112	ug/kg dry	
2,4-Dimethylphenol	---	U	112	ug/kg dry	
Bis(-2-Chloroethoxy)Methane	---	U	112	ug/kg dry	
2,4-Dichlorophenol	---	U	112	ug/kg dry	
Naphthalene	333		112	ug/kg dry	
4-Chloroaniline	---	U	112	ug/kg dry	
Hexachlorobutadiene	---	U	112	ug/kg dry	
Caprolactam	---	U	112	ug/kg dry	
4-Chloro-3-Methylphenol	---	U	112	ug/kg dry	
2-Methylnaphthalene	352		112	ug/kg dry	
1,2,4,5-Tetrachlorobenzene	---	U	112	ug/kg dry	
Hexachlorocyclopentadiene	---	U L	112	ug/kg dry	
2,4,6-Trichlorophenol	---	U	112	ug/kg dry	
2,4,5-Trichlorophenol	---	U	112	ug/kg dry	
Biphenyl	---	U	112	ug/kg dry	
2-Chloronaphthalene	---	U	112	ug/kg dry	
2-Nitroaniline	---	U	112	ug/kg dry	
Dimethyl Phthalate	---	U	112	ug/kg dry	
Acenaphthylene	466		112	ug/kg dry	

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SS-08-A				Sample ID: 1606029-08	
NVOA GCMS					
2,6-Dinitrotoluene	---	U	112	ug/kg dry	
3-Nitroaniline	---	U	112	ug/kg dry	
Acenaphthene	---	U	112	ug/kg dry	
2,4-Dinitrophenol	---	U J	372	ug/kg dry	
4-Nitrophenol	---	U	112	ug/kg dry	
Dibenzofuran	126		112	ug/kg dry	
2,4-Dinitrotoluene	---	U	112	ug/kg dry	
2,3,4,6-Tetrachlorophenol	---	U	112	ug/kg dry	
Fluorene	---	U	112	ug/kg dry	
Diethylphthalate	---	U	112	ug/kg dry	
4-Chlorophenyl-Phenylether	---	U	112	ug/kg dry	
4-Nitroaniline	---	U	112	ug/kg dry	
4,6-Dinitro-2-Methylphenol	---	U L	112	ug/kg dry	
N-Nitrosodiphenylamine	---	U	112	ug/kg dry	
4-Bromophenyl-Phenylether	---	U	112	ug/kg dry	
Hexachlorobenzene	---	U	112	ug/kg dry	
Atrazine	---	U	112	ug/kg dry	
Pentachlorophenol	---	U	112	ug/kg dry	
Phenanthrene	477		112	ug/kg dry	
Anthracene	310		112	ug/kg dry	
Carbazole	---	U	112	ug/kg dry	
Di-N-Butyl Phthalate	---	U	112	ug/kg dry	
Fluoranthene	1580		112	ug/kg dry	
Pyrene	1410		112	ug/kg dry	
Butylbenzylphthalate	---	U	112	ug/kg dry	
3,3'- Dichlorobenzidine	---	U	112	ug/kg dry	
Benzo(A)Anthracene	1260		112	ug/kg dry	
Chrysene	1250		112	ug/kg dry	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SS-08-A				Sample ID: 1606029-08	
NVOA GCMS					
Bis(2-Ethylhexyl)Phthalate	---	U	112	ug/kg dry	
Di-N-Octyl Phthalate	---	U	112	ug/kg dry	
Benzo(B)Fluoranthene	2050		112	ug/kg dry	
Benzo(K)Fluoranthene	759		112	ug/kg dry	
Benzo(A)Pyrene	1120		112	ug/kg dry	
Indeno(1,2,3-Cd)Pyrene	595		112	ug/kg dry	
Dibenzo(A,H)Anthracene	144		112	ug/kg dry	
Benzo(G,H,I)Perylene	438		112	ug/kg dry	
11H-Benzo[a]fluoren-11-one	704	NJ		ug/kg dry	
Benz[a]anthracene, 7-methyl-	896	NJ		ug/kg dry	
Naphthalene, 2,3-dimethyl-	549	NJ		ug/kg dry	
Naphthalene, 2-methyl-	603	NJ		ug/kg dry	
Pentadecane, 2,6,10,14-tetr...	847	NJ		ug/kg dry	
Phenanthrene, 2,5-dimethyl-	567	NJ		ug/kg dry	
Phenanthrene, 2-methyl-	466	NJ		ug/kg dry	
Triphenylene, 2-methyl-	472	NJ		ug/kg dry	
PCB Aroclors GC					
Aroclor 1016	---	U J	35	ug/kg dry	
Aroclor 1221	---	U J	69	ug/kg dry	
Aroclor 1232	---	U J	35	ug/kg dry	
Aroclor 1242	---	U J	35	ug/kg dry	
Aroclor 1248	---	U J	35	ug/kg dry	
Aroclor 1254	---	U J	35	ug/kg dry	
Aroclor 1260	---	U J	35	ug/kg dry	
Aroclor 1262	---	U J	35	ug/kg dry	
Aroclor 1268	---	U J	35	ug/kg dry	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SS-08-A				Sample ID: 1606029-08	
Metals ICP					
Aluminum	4600		8.3	mg/kg dry	
Antimony	5.1		1.7	mg/kg dry	
Arsenic	13		0.66	mg/kg dry	
Barium	62		8.3	mg/kg dry	
Beryllium	0.33		0.25	mg/kg dry	
Cadmium	0.95		0.25	mg/kg dry	
Calcium	4700		41	mg/kg dry	
Chromium	17		0.41	mg/kg dry	
Cobalt	7.0		1.7	mg/kg dry	
Copper	100		0.83	mg/kg dry	
Iron	49000		21	mg/kg dry	
Lead	180		0.66	mg/kg dry	
Magnesium	1400		41	mg/kg dry	
Manganese	390		0.41	mg/kg dry	
Nickel	21		1.7	mg/kg dry	
Potassium	380		41	mg/kg dry	
Selenium	---	U	1.7	mg/kg dry	
Silver	---	U	0.41	mg/kg dry	
Sodium	---	U	83	mg/kg dry	
Thallium	---	U	1.7	mg/kg dry	
Tin	13		0.83	mg/kg dry	
Vanadium	14		1.7	mg/kg dry	
Zinc	84		1.7	mg/kg dry	
Field ID: KR-SS-10-A				Sample ID: 1606029-09	
NVOA GCMS					
1,4-Dioxane	---	U	68.8	ug/kg dry	

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SS-10-A				Sample ID: 1606029-09	
NVOA GCMS					
Benzaldehyde	---	U	103	ug/kg dry	
Phenol	---	U	103	ug/kg dry	
Bis(2-Chloroethyl)Ether	---	U	103	ug/kg dry	
2-Chlorophenol	---	U	103	ug/kg dry	
2-Methylphenol	---	U	103	ug/kg dry	
Bis(2-Chloroisopropyl)Ether	---	U	103	ug/kg dry	
Acetophenone	---	U	103	ug/kg dry	
4-Methylphenol	---	U	103	ug/kg dry	
N-Nitroso-Di-N-Propylamine	---	U	103	ug/kg dry	
Hexachloroethane	---	U	103	ug/kg dry	
Nitrobenzene	---	U	103	ug/kg dry	
Isophorone	---	U	103	ug/kg dry	
2-Nitrophenol	---	U	103	ug/kg dry	
2,4-Dimethylphenol	---	U	103	ug/kg dry	
Bis(-2-Chloroethoxy)Methane	---	U	103	ug/kg dry	
2,4-Dichlorophenol	---	U	103	ug/kg dry	
Naphthalene	---	U	103	ug/kg dry	
4-Chloroaniline	---	U	103	ug/kg dry	
Hexachlorobutadiene	---	U	103	ug/kg dry	
Caprolactam	---	U	103	ug/kg dry	
4-Chloro-3-Methylphenol	---	U	103	ug/kg dry	
2-Methylnaphthalene	---	U	103	ug/kg dry	
1,2,4,5-Tetrachlorobenzene	---	U	103	ug/kg dry	
Hexachlorocyclopentadiene	---	U L	103	ug/kg dry	
2,4,6-Trichlorophenol	---	U	103	ug/kg dry	
2,4,5-Trichlorophenol	---	U	103	ug/kg dry	
Biphenyl	---	U	103	ug/kg dry	
2-Chloronaphthalene	---	U	103	ug/kg dry	

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SS-10-A				Sample ID: 1606029-09	
NVOA GCMS					
2-Nitroaniline	---	U	103	ug/kg dry	
Dimethyl Phthalate	---	U	103	ug/kg dry	
Acenaphthylene	---	U	103	ug/kg dry	
2,6-Dinitrotoluene	---	U	103	ug/kg dry	
3-Nitroaniline	---	U	103	ug/kg dry	
Acenaphthene	---	U	103	ug/kg dry	
2,4-Dinitrophenol	---	U J	342	ug/kg dry	
4-Nitrophenol	---	U	103	ug/kg dry	
Dibenzofuran	---	U	103	ug/kg dry	
2,4-Dinitrotoluene	---	U	103	ug/kg dry	
2,3,4,6-Tetrachlorophenol	---	U	103	ug/kg dry	
Fluorene	---	U	103	ug/kg dry	
Diethylphthalate	---	U	103	ug/kg dry	
4-Chlorophenyl-Phenylether	---	U	103	ug/kg dry	
4-Nitroaniline	---	U	103	ug/kg dry	
4,6-Dinitro-2-Methylphenol	---	U L	103	ug/kg dry	
N-Nitrosodiphenylamine	---	U	103	ug/kg dry	
4-Bromophenyl-Phenylether	---	U	103	ug/kg dry	
Hexachlorobenzene	---	U	103	ug/kg dry	
Atrazine	---	U	103	ug/kg dry	
Pentachlorophenol	---	U	103	ug/kg dry	
Phenanthrene	---	U	103	ug/kg dry	
Anthracene	---	U	103	ug/kg dry	
Carbazole	---	U	103	ug/kg dry	
Di-N-Butyl Phthalate	---	U	103	ug/kg dry	
Fluoranthene	186		103	ug/kg dry	
Pyrene	146		103	ug/kg dry	
Butylbenzylphthalate	---	U	103	ug/kg dry	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SS-10-A				Sample ID: 1606029-09	
NVOA GCMS					
3,3'- Dichlorobenzidine	---	U	103	ug/kg dry	
Benzo(A)Anthracene	---	U	103	ug/kg dry	
Chrysene	---	U	103	ug/kg dry	
Bis(2-Ethylhexyl)Phthalate	1600	K	103	ug/kg dry	
Di-N-Octyl Phthalate	---	U	103	ug/kg dry	
Benzo(B)Fluoranthene	---	U	103	ug/kg dry	
Benzo(K)Fluoranthene	---	U	103	ug/kg dry	
Benzo(A)Pyrene	---	U	103	ug/kg dry	
Indeno(1,2,3-Cd)Pyrene	---	U	103	ug/kg dry	
Dibenzo(A,H)Anthracene	---	U	103	ug/kg dry	
Benzo(G,H,I)Perylene	---	U	103	ug/kg dry	
1-Hexanol, 2-ethyl-	4160	NJ		ug/kg dry	
PCB Aroclors GC					
Aroclor 1016	---	U J	32	ug/kg dry	
Aroclor 1221	---	U J	64	ug/kg dry	
Aroclor 1232	---	U J	32	ug/kg dry	
Aroclor 1242	---	U J	32	ug/kg dry	
Aroclor 1248	---	U J	32	ug/kg dry	
Aroclor 1254	---	U J	32	ug/kg dry	
Aroclor 1260	---	U J	32	ug/kg dry	
Aroclor 1262	---	U J	32	ug/kg dry	
Aroclor 1268	---	U J	32	ug/kg dry	
Metals ICP					
Aluminum	5700		8.3	mg/kg dry	
Antimony	---	U	1.7	mg/kg dry	
Arsenic	4.6		0.66	mg/kg dry	
Barium	22		8.3	mg/kg dry	
Beryllium	---	U	0.25	mg/kg dry	

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SS-10-A				Sample ID: 1606029-09	
Metals ICP					
Cadmium	---	U	0.25	mg/kg dry	
Calcium	17000		41	mg/kg dry	
Chromium	8.1		0.41	mg/kg dry	
Cobalt	5.1		1.7	mg/kg dry	
Copper	13		0.83	mg/kg dry	
Iron	12000		4.1	mg/kg dry	
Lead	10		0.66	mg/kg dry	
Magnesium	2200		41	mg/kg dry	
Manganese	330		0.41	mg/kg dry	
Nickel	13		1.7	mg/kg dry	
Potassium	360		41	mg/kg dry	
Selenium	---	U	1.7	mg/kg dry	
Silver	---	U	0.41	mg/kg dry	
Sodium	---	U	83	mg/kg dry	
Thallium	---	U	1.7	mg/kg dry	
Tin	---	U	0.83	mg/kg dry	
Vanadium	9.1		1.7	mg/kg dry	
Zinc	37		1.7	mg/kg dry	
Field ID: KR-SS-11-A				Sample ID: 1606029-10	
NVOA GCMS					
1,4-Dioxane	---	U	71.6	ug/kg dry	
Benzaldehyde	---	U	107	ug/kg dry	
Phenol	---	U	107	ug/kg dry	
Bis(2-Chloroethyl)Ether	---	U	107	ug/kg dry	
2-Chlorophenol	---	U	107	ug/kg dry	
2-Methylphenol	---	U	107	ug/kg dry	

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SS-11-A				Sample ID: 1606029-10	
NVOA GCMS					
Bis(2-Chloroisopropyl)Ether	---	U	107	ug/kg dry	
Acetophenone	---	U	107	ug/kg dry	
4-Methylphenol	---	U	107	ug/kg dry	
N-Nitroso-Di-N-Propylamine	---	U	107	ug/kg dry	
Hexachloroethane	---	U	107	ug/kg dry	
Nitrobenzene	---	U	107	ug/kg dry	
Isophorone	---	U	107	ug/kg dry	
2-Nitrophenol	---	U	107	ug/kg dry	
2,4-Dimethylphenol	---	U	107	ug/kg dry	
Bis(-2-Chloroethoxy)Methane	---	U	107	ug/kg dry	
2,4-Dichlorophenol	---	U	107	ug/kg dry	
Naphthalene	491		107	ug/kg dry	
4-Chloroaniline	---	U	107	ug/kg dry	
Hexachlorobutadiene	---	U	107	ug/kg dry	
Caprolactam	---	U	107	ug/kg dry	
4-Chloro-3-Methylphenol	---	U	107	ug/kg dry	
2-Methylnaphthalene	315		107	ug/kg dry	
1,2,4,5-Tetrachlorobenzene	---	U	107	ug/kg dry	
Hexachlorocyclopentadiene	---	U	107	ug/kg dry	
2,4,6-Trichlorophenol	---	U	107	ug/kg dry	
2,4,5-Trichlorophenol	---	U	107	ug/kg dry	
Biphenyl	---	U	107	ug/kg dry	
2-Chloronaphthalene	---	U	107	ug/kg dry	
2-Nitroaniline	---	U	107	ug/kg dry	
Dimethyl Phthalate	---	U	107	ug/kg dry	
Acenaphthylene	---	U	107	ug/kg dry	
2,6-Dinitrotoluene	---	U	107	ug/kg dry	
3-Nitroaniline	---	U	107	ug/kg dry	

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SS-11-A				Sample ID: 1606029-10	
NVOA GCMS					
Acenaphthene	---	U	107	ug/kg dry	
2,4-Dinitrophenol	---	U J	356	ug/kg dry	
4-Nitrophenol	---	U	107	ug/kg dry	
Dibenzofuran	---	U	107	ug/kg dry	
2,4-Dinitrotoluene	---	U	107	ug/kg dry	
2,3,4,6-Tetrachlorophenol	---	U	107	ug/kg dry	
Fluorene	---	U	107	ug/kg dry	
Diethylphthalate	---	U	107	ug/kg dry	
4-Chlorophenyl-Phenylether	---	U	107	ug/kg dry	
4-Nitroaniline	---	U	107	ug/kg dry	
4,6-Dinitro-2-Methylphenol	---	U	107	ug/kg dry	
N-Nitrosodiphenylamine	---	U	107	ug/kg dry	
4-Bromophenyl-Phenylether	---	U	107	ug/kg dry	
Hexachlorobenzene	---	U	107	ug/kg dry	
Atrazine	---	U	107	ug/kg dry	
Pentachlorophenol	---	U	107	ug/kg dry	
Phenanthrene	---	U	107	ug/kg dry	
Anthracene	---	U	107	ug/kg dry	
Carbazole	---	U	107	ug/kg dry	
Di-N-Butyl Phthalate	---	U	107	ug/kg dry	
Fluoranthene	---	U	107	ug/kg dry	
Pyrene	---	U	107	ug/kg dry	
Butylbenzylphthalate	---	U	107	ug/kg dry	
3,3'- Dichlorobenzidine	---	U	107	ug/kg dry	
Benzo(A)Anthracene	---	U	107	ug/kg dry	
Chrysene	---	U	107	ug/kg dry	
Bis(2-Ethylhexyl)Phthalate	656		107	ug/kg dry	
Di-N-Octyl Phthalate	---	U	107	ug/kg dry	

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SS-11-A				Sample ID: 1606029-10	
NVOA GCMS					
Benzo(B)Fluoranthene	---	U	107	ug/kg dry	
Benzo(K)Fluoranthene	---	U	107	ug/kg dry	
Benzo(A)Pyrene	---	U	107	ug/kg dry	
Indeno(1,2,3-Cd)Pyrene	---	U	107	ug/kg dry	
Dibenzo(A,H)Anthracene	---	U	107	ug/kg dry	
Benzo(G,H,I)Perylene	---	U	107	ug/kg dry	
Benzenesulfonamide, N-butyl-	2010	NJ		ug/kg dry	
Dodecane	2910	NJ		ug/kg dry	
Dodecane, 2,6,10-trimethyl-	4130	NJ		ug/kg dry	
Dodecane, 4-methyl-	9800	NJ		ug/kg dry	
Hexadecane (02)	4080	NJ		ug/kg dry	
Octacosane	2120	NJ		ug/kg dry	
Pentadecane	2980	NJ		ug/kg dry	
Pentadecane, 2,6,10,14-tetr...	5890	NJ		ug/kg dry	
Tetradecane	2890	NJ		ug/kg dry	
PCB Aroclors GC					
Aroclor 1016	---	U J	34	ug/kg dry	
Aroclor 1221	---	U J	68	ug/kg dry	
Aroclor 1232	---	U J	34	ug/kg dry	
Aroclor 1242	---	U J	34	ug/kg dry	
Aroclor 1248	---	U J	34	ug/kg dry	
Aroclor 1254	---	U J	34	ug/kg dry	
Aroclor 1260	---	U J	34	ug/kg dry	
Aroclor 1262	---	U J	34	ug/kg dry	
Aroclor 1268	---	U J	34	ug/kg dry	

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SS-11-A				Sample ID: 1606029-10	
Metals ICP					
Aluminum	4900		8.4	mg/kg dry	
Antimony	4.8		1.7	mg/kg dry	
Arsenic	12		0.67	mg/kg dry	
Barium	46		8.4	mg/kg dry	
Beryllium	0.26		0.25	mg/kg dry	
Cadmium	1.3		0.25	mg/kg dry	
Calcium	1900		42	mg/kg dry	
Chromium	14		0.42	mg/kg dry	
Cobalt	6.0		1.7	mg/kg dry	
Copper	97		0.84	mg/kg dry	
Iron	22000		4.2	mg/kg dry	
Lead	140		0.67	mg/kg dry	
Magnesium	1400		42	mg/kg dry	
Manganese	350		0.42	mg/kg dry	
Nickel	14		1.7	mg/kg dry	
Potassium	370		42	mg/kg dry	
Selenium	---	U	1.7	mg/kg dry	
Silver	---	U	0.42	mg/kg dry	
Sodium	110		84	mg/kg dry	
Thallium	---	U	1.7	mg/kg dry	
Tin	11		0.84	mg/kg dry	
Vanadium	12		1.7	mg/kg dry	
Zinc	75		1.7	mg/kg dry	
Field ID: KR-SB-01-A				Sample ID: 1606029-11	
VOA GCMS					
Dichlorodifluoromethane	---	U	4.9	ug/kg dry	

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SB-01-A				Sample ID: 1606029-11	
VOA GCMS					
Chloromethane	---	U	4.9	ug/kg dry	
Vinyl Chloride	---	U	4.9	ug/kg dry	
Bromomethane	---	U J	130	ug/kg dry	
Chloroethane	---	U	4.9	ug/kg dry	
Trichlorofluoromethane	---	U	4.9	ug/kg dry	
1,1-Dichloroethene	---	U	4.9	ug/kg dry	
1,1,2-Trichloro-1,2,2-Trifluoroethane	---	U	4.9	ug/kg dry	
Carbon Disulfide	---	U	4.9	ug/kg dry	
Acetone	---	U J	9.8	ug/kg dry	
Methyl Acetate	5.7	J	4.9	ug/kg dry	
Methylene Chloride	---	U	4.9	ug/kg dry	
trans-1,2-Dichloroethene	---	U	4.9	ug/kg dry	
cis-1,2-Dichloroethene	---	U	4.9	ug/kg dry	
Methyl tert-Butyl Ether	---	U L	4.9	ug/kg dry	
1,1-Dichloroethane	---	U	4.9	ug/kg dry	
2-Butanone	---	U	9.8	ug/kg dry	
Bromochloromethane	---	U	4.9	ug/kg dry	
Chloroform	---	U	4.9	ug/kg dry	
1,2-Dichloroethane	---	U	4.9	ug/kg dry	
1,1,1-Trichloroethane	---	U	4.9	ug/kg dry	
Cyclohexane	---	U	4.9	ug/kg dry	
Carbon Tetrachloride	---	U	4.9	ug/kg dry	
Benzene	---	U	4.9	ug/kg dry	
Trichloroethene	---	U	4.9	ug/kg dry	
Methylcyclohexane	---	U	4.9	ug/kg dry	
1,2-Dichloropropane	---	U J	4.9	ug/kg dry	
Bromodichloromethane	---	U	4.9	ug/kg dry	
cis-1,3-Dichloropropene	---	U	9.8	ug/kg dry	

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SB-01-A				Sample ID: 1606029-11	
VOA GCMS					
trans-1,3-Dichloropropene	---	U	4.9	ug/kg dry	
1,1,2-Trichloroethane	---	U	4.9	ug/kg dry	
Dibromochloromethane	---	U	4.9	ug/kg dry	
Bromoform	---	U	4.9	ug/kg dry	
4-Methyl-2-Pentanone	---	U	9.8	ug/kg dry	
Toluene	---	U	4.9	ug/kg dry	
Tetrachloroethene	6.5		4.9	ug/kg dry	
2-Hexanone	---	U	95	ug/kg dry	
1,2-Dibromoethane	---	U	4.9	ug/kg dry	
Chlorobenzene	---	U	4.9	ug/kg dry	
Ethylbenzene	---	U	4.9	ug/kg dry	
m/p-Xylene	---	U	4.9	ug/kg dry	
o-Xylene	---	U	4.9	ug/kg dry	
Styrene	---	U	4.9	ug/kg dry	
Isopropylbenzene	---	U	4.9	ug/kg dry	
1,1,2,2-Tetrachloroethane	---	U	4.9	ug/kg dry	
1,3-Dichlorobenzene	---	U	4.9	ug/kg dry	
1,4-Dichlorobenzene	---	U	4.9	ug/kg dry	
1,2-Dichlorobenzene	---	U	4.9	ug/kg dry	
1,2-Dibromo-3-Chloropropane	---	U	4.9	ug/kg dry	
1,2,4-Trichlorobenzene	---	U	4.9	ug/kg dry	
1,2,3-Trichlorobenzene	---	U	4.9	ug/kg dry	
Benzene, 1-methyl-2-(1-meth...	250	NJ		ug/kg dry	
Dodecane, 6-methyl-	490	NJ		ug/kg dry	
Tridecane	430	NJ		ug/kg dry	
Undecane (01)	1200	NJ		ug/kg dry	

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SB-01-A				Sample ID: 1606029-11	
NVOA GCMS					
1,4-Dioxane	---	U	69.6	ug/kg dry	
Benzaldehyde	---	U	104	ug/kg dry	
Phenol	---	U	104	ug/kg dry	
Bis(2-Chloroethyl)Ether	---	U	104	ug/kg dry	
2-Chlorophenol	---	U	104	ug/kg dry	
2-Methylphenol	---	U	104	ug/kg dry	
Bis(2-Chloroisopropyl)Ether	---	U	104	ug/kg dry	
Acetophenone	---	U	104	ug/kg dry	
4-Methylphenol	---	U	104	ug/kg dry	
N-Nitroso-Di-N-Propylamine	---	U	104	ug/kg dry	
Hexachloroethane	---	U	104	ug/kg dry	
Nitrobenzene	---	U	104	ug/kg dry	
Isophorone	---	U	104	ug/kg dry	
2-Nitrophenol	---	U	104	ug/kg dry	
2,4-Dimethylphenol	---	U	104	ug/kg dry	
Bis(-2-Chloroethoxy)Methane	---	U	104	ug/kg dry	
2,4-Dichlorophenol	---	U	104	ug/kg dry	
Naphthalene	---	U	104	ug/kg dry	
4-Chloroaniline	---	U	104	ug/kg dry	
Hexachlorobutadiene	---	U	104	ug/kg dry	
Caprolactam	---	U	104	ug/kg dry	
4-Chloro-3-Methylphenol	---	U	104	ug/kg dry	
2-Methylnaphthalene	123		104	ug/kg dry	
1,2,4,5-Tetrachlorobenzene	---	U	104	ug/kg dry	
Hexachlorocyclopentadiene	---	U	104	ug/kg dry	
2,4,6-Trichlorophenol	---	U	104	ug/kg dry	
2,4,5-Trichlorophenol	---	U	104	ug/kg dry	
Biphenyl	---	U	104	ug/kg dry	

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SB-01-A				Sample ID: 1606029-11	
NVOA GCMS					
2-Chloronaphthalene	---	U	104	ug/kg dry	
2-Nitroaniline	---	U	104	ug/kg dry	
Dimethyl Phthalate	238		104	ug/kg dry	
Acenaphthylene	---	U	104	ug/kg dry	
2,6-Dinitrotoluene	---	U	104	ug/kg dry	
3-Nitroaniline	---	U	104	ug/kg dry	
Acenaphthene	---	U	104	ug/kg dry	
2,4-Dinitrophenol	---	U J	347	ug/kg dry	
4-Nitrophenol	---	U	104	ug/kg dry	
Dibenzofuran	---	U	104	ug/kg dry	
2,4-Dinitrotoluene	---	U	104	ug/kg dry	
2,3,4,6-Tetrachlorophenol	---	U	104	ug/kg dry	
Fluorene	---	U	104	ug/kg dry	
Diethylphthalate	---	U	104	ug/kg dry	
4-Chlorophenyl-Phenylether	---	U	104	ug/kg dry	
4-Nitroaniline	---	U	104	ug/kg dry	
4,6-Dinitro-2-Methylphenol	---	U	104	ug/kg dry	
N-Nitrosodiphenylamine	---	U	104	ug/kg dry	
4-Bromophenyl-Phenylether	---	U	104	ug/kg dry	
Hexachlorobenzene	---	U	104	ug/kg dry	
Atrazine	---	U	104	ug/kg dry	
Pentachlorophenol	---	U	104	ug/kg dry	
Phenanthrene	141		104	ug/kg dry	
Anthracene	---	U	104	ug/kg dry	
Carbazole	---	U	104	ug/kg dry	
Di-N-Butyl Phthalate	---	U	104	ug/kg dry	
Fluoranthene	---	U	104	ug/kg dry	
Pyrene	---	U	104	ug/kg dry	

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SB-01-A				Sample ID: 1606029-11	
NVOA GCMS					
Butylbenzylphthalate	---	U	104	ug/kg dry	
3,3'- Dichlorobenzidine	---	U	104	ug/kg dry	
Benzo(A)Anthracene	---	U	104	ug/kg dry	
Chrysene	---	U	104	ug/kg dry	
Bis(2-Ethylhexyl)Phthalate	---	U	104	ug/kg dry	
Di-N-Octyl Phthalate	---	U	104	ug/kg dry	
Benzo(B)Fluoranthene	---	U	104	ug/kg dry	
Benzo(K)Fluoranthene	---	U	104	ug/kg dry	
Benzo(A)Pyrene	---	U	104	ug/kg dry	
Indeno(1,2,3-Cd)Pyrene	---	U	104	ug/kg dry	
Dibenzo(A,H)Anthracene	---	U	104	ug/kg dry	
Benzo(G,H,I)Perylene	---	U	104	ug/kg dry	
HEPTADECANE	5690	NJ		ug/kg dry	
Hexadecane (01)	4840	NJ		ug/kg dry	
Hexadecane, 2,6,10,14-tetra...	1140	NJ		ug/kg dry	
Naphthalene, 1,7-dimethyl-	1250	NJ		ug/kg dry	
Naphthalene, 2,3-dimethyl-	1750	NJ		ug/kg dry	
Nonadecane	1580	NJ		ug/kg dry	
Pentadecane	7800	NJ		ug/kg dry	
Tetradecane	6150	NJ		ug/kg dry	
Tridecane	3210	NJ		ug/kg dry	
PCB Aroclors GC					
Aroclor 1016	---	U J	33	ug/kg dry	
Aroclor 1221	---	U J	66	ug/kg dry	
Aroclor 1232	---	U J	33	ug/kg dry	
Aroclor 1242	---	U J	33	ug/kg dry	
Aroclor 1248	---	U J	33	ug/kg dry	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SB-01-A				Sample ID: 1606029-11	
PCB Aroclors GC					
Aroclor 1254	---	U J	33	ug/kg dry	
Aroclor 1260	---	U J	33	ug/kg dry	
Aroclor 1262	---	U J	33	ug/kg dry	
Aroclor 1268	---	U J	33	ug/kg dry	
Metals ICP					
Aluminum	5800		8.4	mg/kg dry	
Antimony	---	U	1.7	mg/kg dry	
Arsenic	3.1		0.67	mg/kg dry	
Barium	23		8.4	mg/kg dry	
Beryllium	---	U	0.25	mg/kg dry	
Cadmium	---	U	0.25	mg/kg dry	
Calcium	170		42	mg/kg dry	
Chromium	7.3		0.42	mg/kg dry	
Cobalt	5.1		1.7	mg/kg dry	
Copper	10		0.84	mg/kg dry	
Iron	12000		4.2	mg/kg dry	
Lead	6.1		0.67	mg/kg dry	
Magnesium	2100		42	mg/kg dry	
Manganese	360		0.42	mg/kg dry	
Nickel	13		1.7	mg/kg dry	
Potassium	350		42	mg/kg dry	
Selenium	---	U	1.7	mg/kg dry	
Silver	---	U	0.42	mg/kg dry	
Sodium	---	U	84	mg/kg dry	
Thallium	---	U	1.7	mg/kg dry	
Tin	---	U	0.84	mg/kg dry	
Vanadium	8.5		1.7	mg/kg dry	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SB-01-A				Sample ID: 1606029-11	
Metals ICP					
Zinc	35		1.7	mg/kg dry	
Field ID: KR-SB-06-A				Sample ID: 1606029-12	
VOA GCMS					
Dichlorodifluoromethane	---	U	4.9	ug/kg dry	
Chloromethane	---	U	4.9	ug/kg dry	
Vinyl Chloride	---	U	4.9	ug/kg dry	
Bromomethane	---	U J	130	ug/kg dry	
Chloroethane	---	U	4.9	ug/kg dry	
Trichlorofluoromethane	---	U	4.9	ug/kg dry	
1,1-Dichloroethene	---	U	4.9	ug/kg dry	
1,1,2-Trichloro-1,2,2-Trifluoroethane	---	U	4.9	ug/kg dry	
Carbon Disulfide	---	U	4.9	ug/kg dry	
Acetone	---	U J	9.9	ug/kg dry	
Methyl Acetate	---	U J	4.9	ug/kg dry	
Methylene Chloride	---	U	4.9	ug/kg dry	
trans-1,2-Dichloroethene	---	U	4.9	ug/kg dry	
cis-1,2-Dichloroethene	---	U	4.9	ug/kg dry	
Methyl tert-Butyl Ether	---	U L	4.9	ug/kg dry	
1,1-Dichloroethane	---	U	4.9	ug/kg dry	
2-Butanone	---	U	9.9	ug/kg dry	
Bromochloromethane	---	U	4.9	ug/kg dry	
Chloroform	---	U	4.9	ug/kg dry	
1,2-Dichloroethane	---	U	4.9	ug/kg dry	
1,1,1-Trichloroethane	---	U	4.9	ug/kg dry	
Cyclohexane	---	U	4.9	ug/kg dry	
Carbon Tetrachloride	---	U	4.9	ug/kg dry	
Benzene	---	U	4.9	ug/kg dry	
Trichloroethene	---	U	4.9	ug/kg dry	

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SB-06-A				Sample ID: 1606029-12	
VOA GCMS					
Methylcyclohexane	---	U	4.9	ug/kg dry	
1,2-Dichloropropane	---	U J	4.9	ug/kg dry	
Bromodichloromethane	---	U	4.9	ug/kg dry	
cis-1,3-Dichloropropene	---	U	9.9	ug/kg dry	
trans-1,3-Dichloropropene	---	U	4.9	ug/kg dry	
1,1,2-Trichloroethane	---	U	4.9	ug/kg dry	
Dibromochloromethane	---	U	4.9	ug/kg dry	
Bromoform	---	U	4.9	ug/kg dry	
4-Methyl-2-Pentanone	---	U	9.9	ug/kg dry	
Toluene	---	U	4.9	ug/kg dry	
Tetrachloroethene	56		4.9	ug/kg dry	
2-Hexanone	---	U	96	ug/kg dry	
1,2-Dibromoethane	---	U	4.9	ug/kg dry	
Chlorobenzene	---	U	4.9	ug/kg dry	
Ethylbenzene	---	U	4.9	ug/kg dry	
m/p-Xylene	---	U	4.9	ug/kg dry	
o-Xylene	---	U	4.9	ug/kg dry	
Styrene	---	U	4.9	ug/kg dry	
Isopropylbenzene	---	U	4.9	ug/kg dry	
1,1,2,2-Tetrachloroethane	---	U	4.9	ug/kg dry	
1,3-Dichlorobenzene	---	U	4.9	ug/kg dry	
1,4-Dichlorobenzene	---	U	4.9	ug/kg dry	
1,2-Dichlorobenzene	---	U	4.9	ug/kg dry	
1,2-Dibromo-3-Chloropropane	---	U	4.9	ug/kg dry	
1,2,4-Trichlorobenzene	---	U	4.9	ug/kg dry	
1,2,3-Trichlorobenzene	---	U	4.9	ug/kg dry	
Dodecane	19	NJ		ug/kg dry	
Dodecane, 2,6,11-trimethyl-	24	NJ		ug/kg dry	

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SB-06-A				Sample ID: 1606029-12	
VOA GCMS					
Hexadecane	14	NJ		ug/kg dry	
Naphthalene, 1,6-dimethyl- (01)	38	NJ		ug/kg dry	
Naphthalene, 1,6-dimethyl- (02)	30	NJ		ug/kg dry	
Naphthalene, 1,7-dimethyl-	14	NJ		ug/kg dry	
Naphthalene, 1-methyl-	21	NJ		ug/kg dry	
Naphthalene, 2-methyl-	29	NJ		ug/kg dry	
Tetradecane	110	NJ		ug/kg dry	
Tridecane	82	NJ		ug/kg dry	
NVOA GCMS					
1,4-Dioxane	---	U	71.8	ug/kg dry	
Benzaldehyde	---	U	107	ug/kg dry	
Phenol	---	U	107	ug/kg dry	
Bis(2-Chloroethyl)Ether	---	U	107	ug/kg dry	
2-Chlorophenol	---	U	107	ug/kg dry	
2-Methylphenol	---	U	107	ug/kg dry	
Bis(2-Chloroisopropyl)Ether	---	U	107	ug/kg dry	
Acetophenone	---	U	107	ug/kg dry	
4-Methylphenol	---	U	107	ug/kg dry	
N-Nitroso-Di-N-Propylamine	---	U	107	ug/kg dry	
Hexachloroethane	---	U	107	ug/kg dry	
Nitrobenzene	---	U	107	ug/kg dry	
Isophorone	---	U	107	ug/kg dry	
2-Nitrophenol	---	U	107	ug/kg dry	
2,4-Dimethylphenol	---	U	107	ug/kg dry	
Bis(-2-Chloroethoxy)Methane	---	U	107	ug/kg dry	
2,4-Dichlorophenol	---	U	107	ug/kg dry	
Naphthalene	---	U	107	ug/kg dry	

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SB-06-A				Sample ID: 1606029-12	
NVOA GCMS					
4-Chloroaniline	---	U	107	ug/kg dry	
Hexachlorobutadiene	---	U	107	ug/kg dry	
Caprolactam	---	U	107	ug/kg dry	
4-Chloro-3-Methylphenol	---	U	107	ug/kg dry	
2-Methylnaphthalene	---	U	107	ug/kg dry	
1,2,4,5-Tetrachlorobenzene	---	U	107	ug/kg dry	
Hexachlorocyclopentadiene	---	U L	107	ug/kg dry	
2,4,6-Trichlorophenol	---	U	107	ug/kg dry	
2,4,5-Trichlorophenol	---	U	107	ug/kg dry	
Biphenyl	---	U	107	ug/kg dry	
2-Chloronaphthalene	---	U	107	ug/kg dry	
2-Nitroaniline	---	U	107	ug/kg dry	
Dimethyl Phthalate	194		107	ug/kg dry	
Acenaphthylene	---	U	107	ug/kg dry	
2,6-Dinitrotoluene	---	U	107	ug/kg dry	
3-Nitroaniline	---	U	107	ug/kg dry	
Acenaphthene	---	U	107	ug/kg dry	
2,4-Dinitrophenol	---	U J	357	ug/kg dry	
4-Nitrophenol	---	U	107	ug/kg dry	
Dibenzofuran	---	U	107	ug/kg dry	
2,4-Dinitrotoluene	---	U	107	ug/kg dry	
2,3,4,6-Tetrachlorophenol	---	U	107	ug/kg dry	
Fluorene	---	U	107	ug/kg dry	
Diethylphthalate	---	U	107	ug/kg dry	
4-Chlorophenyl-Phenylether	---	U	107	ug/kg dry	
4-Nitroaniline	---	U	107	ug/kg dry	
4,6-Dinitro-2-Methylphenol	---	U L	107	ug/kg dry	
N-Nitrosodiphenylamine	---	U	107	ug/kg dry	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SB-06-A				Sample ID: 1606029-12	
NVOA GCMS					
4-Bromophenyl-Phenylether	---	U	107	ug/kg dry	
Hexachlorobenzene	---	U	107	ug/kg dry	
Atrazine	---	U	107	ug/kg dry	
Pentachlorophenol	---	U	107	ug/kg dry	
Phenanthrene	---	U	107	ug/kg dry	
Anthracene	---	U	107	ug/kg dry	
Carbazole	---	U	107	ug/kg dry	
Di-N-Butyl Phthalate	---	U	107	ug/kg dry	
Fluoranthene	---	U	107	ug/kg dry	
Pyrene	---	U	107	ug/kg dry	
Butylbenzylphthalate	---	U	107	ug/kg dry	
3,3'- Dichlorobenzidine	---	U	107	ug/kg dry	
Benzo(A)Anthracene	---	U	107	ug/kg dry	
Chrysene	---	U	107	ug/kg dry	
Bis(2-Ethylhexyl)Phthalate	---	U	107	ug/kg dry	
Di-N-Octyl Phthalate	---	U	107	ug/kg dry	
Benzo(B)Fluoranthene	---	U	107	ug/kg dry	
Benzo(K)Fluoranthene	---	U	107	ug/kg dry	
Benzo(A)Pyrene	---	U	107	ug/kg dry	
Indeno(1,2,3-Cd)Pyrene	---	U	107	ug/kg dry	
Dibenzo(A,H)Anthracene	---	U	107	ug/kg dry	
Benzo(G,H,I)Perylene	---	U	107	ug/kg dry	
PCB Aroclors GC					
Aroclor 1016	---	U J	34	ug/kg dry	
Aroclor 1221	---	U J	67	ug/kg dry	
Aroclor 1232	---	U J	34	ug/kg dry	
Aroclor 1242	---	U J	34	ug/kg dry	
Aroclor 1248	120	J	34	ug/kg dry	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SB-06-A				Sample ID: 1606029-12	
PCB Aroclors GC					
Aroclor 1254	---	U J	34	ug/kg dry	
Aroclor 1260	---	U J	34	ug/kg dry	
Aroclor 1262	---	U J	34	ug/kg dry	
Aroclor 1268	---	U J	34	ug/kg dry	
Metals ICP					
Aluminum	5600		8.7	mg/kg dry	
Antimony	---	U	1.7	mg/kg dry	
Arsenic	2.7		0.69	mg/kg dry	
Barium	24		8.7	mg/kg dry	
Beryllium	---	U	0.26	mg/kg dry	
Cadmium	---	U	0.26	mg/kg dry	
Calcium	370		43	mg/kg dry	
Chromium	7.4		0.43	mg/kg dry	
Cobalt	5.4		1.7	mg/kg dry	
Copper	9.6		0.87	mg/kg dry	
Iron	12000		4.3	mg/kg dry	
Lead	5.9		0.69	mg/kg dry	
Magnesium	2100		43	mg/kg dry	
Manganese	370		0.43	mg/kg dry	
Nickel	13		1.7	mg/kg dry	
Potassium	400		43	mg/kg dry	
Selenium	---	U	1.7	mg/kg dry	
Silver	---	U	0.43	mg/kg dry	
Sodium	---	U	87	mg/kg dry	
Thallium	---	U	1.7	mg/kg dry	
Tin	---	U	0.87	mg/kg dry	
Vanadium	8.2		1.7	mg/kg dry	

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SB-06-A				Sample ID: 1606029-12	
Metals ICP					
Zinc	34		1.7	mg/kg dry	
Field ID: KR-SB-10-A				Sample ID: 1606029-13	
VOA GCMS					
Dichlorodifluoromethane	---	U	5.1	ug/kg dry	
Chloromethane	---	U	5.1	ug/kg dry	
Vinyl Chloride	---	U	5.1	ug/kg dry	
Bromomethane	---	U J	130	ug/kg dry	
Chloroethane	---	U	5.1	ug/kg dry	
Trichlorofluoromethane	---	U	5.1	ug/kg dry	
1,1-Dichloroethene	---	U	5.1	ug/kg dry	
1,1,2-Trichloro-1,2,2-Trifluoroethane	---	U	5.1	ug/kg dry	
Carbon Disulfide	---	U	5.1	ug/kg dry	
Acetone	13	J	10	ug/kg dry	
Methyl Acetate	---	U J	5.1	ug/kg dry	
Methylene Chloride	---	U	5.1	ug/kg dry	
trans-1,2-Dichloroethene	---	U	5.1	ug/kg dry	
cis-1,2-Dichloroethene	---	U	5.1	ug/kg dry	
Methyl tert-Butyl Ether	---	U L	5.1	ug/kg dry	
1,1-Dichloroethane	---	U	5.1	ug/kg dry	
2-Butanone	---	U	10	ug/kg dry	
Bromochloromethane	---	U	5.1	ug/kg dry	
Chloroform	---	U	5.1	ug/kg dry	
1,2-Dichloroethane	---	U	5.1	ug/kg dry	
1,1,1-Trichloroethane	---	U	5.1	ug/kg dry	
Cyclohexane	---	U	5.1	ug/kg dry	
Carbon Tetrachloride	---	U	5.1	ug/kg dry	
Benzene	---	U	5.1	ug/kg dry	
Trichloroethene	---	U	5.1	ug/kg dry	

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SB-10-A				Sample ID: 1606029-13	
VOA GCMS					
Methylcyclohexane	---	U	5.1	ug/kg dry	
1,2-Dichloropropane	---	U J	5.1	ug/kg dry	
Bromodichloromethane	---	U	5.1	ug/kg dry	
cis-1,3-Dichloropropene	---	U	10	ug/kg dry	
trans-1,3-Dichloropropene	---	U	5.1	ug/kg dry	
1,1,2-Trichloroethane	---	U	5.1	ug/kg dry	
Dibromochloromethane	---	U	5.1	ug/kg dry	
Bromoform	---	U	5.1	ug/kg dry	
4-Methyl-2-Pentanone	---	U	10	ug/kg dry	
Toluene	---	U	5.1	ug/kg dry	
Tetrachloroethene	5.5		5.1	ug/kg dry	
2-Hexanone	---	U	99	ug/kg dry	
1,2-Dibromoethane	---	U	5.1	ug/kg dry	
Chlorobenzene	---	U	5.1	ug/kg dry	
Ethylbenzene	---	U	5.1	ug/kg dry	
m/p-Xylene	---	U	5.1	ug/kg dry	
o-Xylene	---	U	5.1	ug/kg dry	
Styrene	---	U	5.1	ug/kg dry	
Isopropylbenzene	---	U	5.1	ug/kg dry	
1,1,2,2-Tetrachloroethane	---	U	5.1	ug/kg dry	
1,3-Dichlorobenzene	---	U	5.1	ug/kg dry	
1,4-Dichlorobenzene	---	U	5.1	ug/kg dry	
1,2-Dichlorobenzene	---	U	5.1	ug/kg dry	
1,2-Dibromo-3-Chloropropane	---	U	5.1	ug/kg dry	
1,2,4-Trichlorobenzene	---	U	5.1	ug/kg dry	
1,2,3-Trichlorobenzene	---	U	5.1	ug/kg dry	
Tetradecane	20	NJ		ug/kg dry	
Tridecane	22	NJ		ug/kg dry	

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SB-10-A				Sample ID: 1606029-13	
NVOA GCMS					
1,4-Dioxane	---	U	72.1	ug/kg dry	
Benzaldehyde	---	U	108	ug/kg dry	
Phenol	---	U	108	ug/kg dry	
Bis(2-Chloroethyl)Ether	---	U	108	ug/kg dry	
2-Chlorophenol	---	U	108	ug/kg dry	
2-Methylphenol	---	U	108	ug/kg dry	
Bis(2-Chloroisopropyl)Ether	---	U	108	ug/kg dry	
Acetophenone	---	U	108	ug/kg dry	
4-Methylphenol	---	U	108	ug/kg dry	
N-Nitroso-Di-N-Propylamine	---	U	108	ug/kg dry	
Hexachloroethane	---	U	108	ug/kg dry	
Nitrobenzene	---	U	108	ug/kg dry	
Isophorone	---	U	108	ug/kg dry	
2-Nitrophenol	---	U	108	ug/kg dry	
2,4-Dimethylphenol	---	U	108	ug/kg dry	
Bis(-2-Chloroethoxy)Methane	---	U	108	ug/kg dry	
2,4-Dichlorophenol	---	U	108	ug/kg dry	
Naphthalene	---	U	108	ug/kg dry	
4-Chloroaniline	---	U	108	ug/kg dry	
Hexachlorobutadiene	---	U	108	ug/kg dry	
Caprolactam	---	U	108	ug/kg dry	
4-Chloro-3-Methylphenol	---	U	108	ug/kg dry	
2-Methylnaphthalene	---	U	108	ug/kg dry	
1,2,4,5-Tetrachlorobenzene	---	U	108	ug/kg dry	
Hexachlorocyclopentadiene	---	U L	108	ug/kg dry	
2,4,6-Trichlorophenol	---	U	108	ug/kg dry	
2,4,5-Trichlorophenol	---	U	108	ug/kg dry	
Biphenyl	---	U	108	ug/kg dry	

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SB-10-A				Sample ID: 1606029-13	
NVOA GCMS					
2-Chloronaphthalene	---	U	108	ug/kg dry	
2-Nitroaniline	---	U	108	ug/kg dry	
Dimethyl Phthalate	215		108	ug/kg dry	
Acenaphthylene	---	U	108	ug/kg dry	
2,6-Dinitrotoluene	---	U	108	ug/kg dry	
3-Nitroaniline	---	U	108	ug/kg dry	
Acenaphthene	---	U	108	ug/kg dry	
2,4-Dinitrophenol	---	U J	359	ug/kg dry	
4-Nitrophenol	---	U	108	ug/kg dry	
Dibenzofuran	---	U	108	ug/kg dry	
2,4-Dinitrotoluene	---	U	108	ug/kg dry	
2,3,4,6-Tetrachlorophenol	---	U	108	ug/kg dry	
Fluorene	---	U	108	ug/kg dry	
Diethylphthalate	---	U	108	ug/kg dry	
4-Chlorophenyl-Phenylether	---	U	108	ug/kg dry	
4-Nitroaniline	---	U	108	ug/kg dry	
4,6-Dinitro-2-Methylphenol	---	U L	108	ug/kg dry	
N-Nitrosodiphenylamine	---	U	108	ug/kg dry	
4-Bromophenyl-Phenylether	---	U	108	ug/kg dry	
Hexachlorobenzene	---	U	108	ug/kg dry	
Atrazine	---	U	108	ug/kg dry	
Pentachlorophenol	---	U	108	ug/kg dry	
Phenanthrene	---	U	108	ug/kg dry	
Anthracene	---	U	108	ug/kg dry	
Carbazole	---	U	108	ug/kg dry	
Di-N-Butyl Phthalate	---	U	108	ug/kg dry	
Fluoranthene	172		108	ug/kg dry	
Pyrene	168		108	ug/kg dry	

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SB-10-A				Sample ID: 1606029-13	
NVOA GCMS					
Butylbenzylphthalate	---	U	108	ug/kg dry	
3,3'- Dichlorobenzidine	---	U	108	ug/kg dry	
Benzo(A)Anthracene	135		108	ug/kg dry	
Chrysene	220		108	ug/kg dry	
Bis(2-Ethylhexyl)Phthalate	471	K	108	ug/kg dry	
Di-N-Octyl Phthalate	---	U	108	ug/kg dry	
Benzo(B)Fluoranthene	298		108	ug/kg dry	
Benzo(K)Fluoranthene	117		108	ug/kg dry	
Benzo(A)Pyrene	127		108	ug/kg dry	
Indeno(1,2,3-Cd)Pyrene	---	U	108	ug/kg dry	
Dibenzo(A,H)Anthracene	---	U	108	ug/kg dry	
Benzo(G,H,I)Perylene	---	U	108	ug/kg dry	
1-Hexanol, 2-ethyl-	517	NJ		ug/kg dry	
PCB Aroclors GC					
Aroclor 1016	---	U J	33	ug/kg dry	
Aroclor 1221	---	U J	66	ug/kg dry	
Aroclor 1232	---	U J	33	ug/kg dry	
Aroclor 1242	---	U J	33	ug/kg dry	
Aroclor 1248	---	U J	33	ug/kg dry	
Aroclor 1254	---	U J	33	ug/kg dry	
Aroclor 1260	---	U J	33	ug/kg dry	
Aroclor 1262	---	U J	33	ug/kg dry	
Aroclor 1268	---	U J	33	ug/kg dry	

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SB-10-A				Sample ID: 1606029-13	
Metals ICP					
Aluminum	6000		8.0	mg/kg dry	
Antimony	---	U	1.6	mg/kg dry	
Arsenic	3.8		0.64	mg/kg dry	
Barium	28		8.0	mg/kg dry	
Beryllium	0.25		0.24	mg/kg dry	
Cadmium	---	U	0.24	mg/kg dry	
Calcium	15000		40	mg/kg dry	
Chromium	11		0.40	mg/kg dry	
Cobalt	4.9		1.6	mg/kg dry	
Copper	11		0.80	mg/kg dry	
Iron	12000		4.0	mg/kg dry	
Lead	8.4		0.64	mg/kg dry	
Magnesium	2200		40	mg/kg dry	
Manganese	320		0.40	mg/kg dry	
Nickel	13		1.6	mg/kg dry	
Potassium	460		40	mg/kg dry	
Selenium	---	U	1.6	mg/kg dry	
Silver	---	U	0.40	mg/kg dry	
Sodium	---	U	80	mg/kg dry	
Thallium	---	U	1.6	mg/kg dry	
Tin	---	U	0.80	mg/kg dry	
Vanadium	9.5		1.6	mg/kg dry	
Zinc	35		1.6	mg/kg dry	
Field ID: KR-SB-02-A				Sample ID: 1606039-01	
VOA GCMS					
Dichlorodifluoromethane	---	U	4.3	ug/kg dry	

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SB-02-A				Sample ID: 1606039-01	
VOA GCMS					
Chloromethane	---	U	4.3	ug/kg dry	
Vinyl Chloride	---	U	4.3	ug/kg dry	
Bromomethane	---	U J	110	ug/kg dry	
Chloroethane	---	U	4.3	ug/kg dry	
Trichlorofluoromethane	---	U	4.3	ug/kg dry	
1,1-Dichloroethene	---	U	4.3	ug/kg dry	
1,1,2-Trichloro-1,2,2-Trifluoroethane	---	U	4.3	ug/kg dry	
Carbon Disulfide	---	U	4.3	ug/kg dry	
Acetone	12	J	8.6	ug/kg dry	
Methyl Acetate	6.9	J	4.3	ug/kg dry	
Methylene Chloride	---	U	4.3	ug/kg dry	
trans-1,2-Dichloroethene	---	U	4.3	ug/kg dry	
cis-1,2-Dichloroethene	---	U	4.3	ug/kg dry	
Methyl tert-Butyl Ether	---	U L	4.3	ug/kg dry	
1,1-Dichloroethane	---	U	4.3	ug/kg dry	
2-Butanone	---	U	8.6	ug/kg dry	
Bromochloromethane	---	U	4.3	ug/kg dry	
Chloroform	---	U	4.3	ug/kg dry	
1,2-Dichloroethane	---	U	4.3	ug/kg dry	
1,1,1-Trichloroethane	---	U	4.3	ug/kg dry	
Cyclohexane	---	U	4.3	ug/kg dry	
Carbon Tetrachloride	---	U	4.3	ug/kg dry	
Benzene	---	U	4.3	ug/kg dry	
Trichloroethene	---	U	4.3	ug/kg dry	
Methylcyclohexane	---	U	4.3	ug/kg dry	
1,2-Dichloropropane	---	U J	4.3	ug/kg dry	
Bromodichloromethane	---	U	4.3	ug/kg dry	
cis-1,3-Dichloropropene	---	U	8.6	ug/kg dry	

Final Report

Project: Kingston Rail Yard - 1606029

Project Number: 1606029

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SB-02-A				Sample ID: 1606039-01	
VOA GCMS					
trans-1,3-Dichloropropene	---	U	4.3	ug/kg dry	
1,1,2-Trichloroethane	---	U	4.3	ug/kg dry	
Dibromochloromethane	---	U	4.3	ug/kg dry	
Bromoform	---	U	4.3	ug/kg dry	
4-Methyl-2-Pentanone	---	U	8.6	ug/kg dry	
Toluene	---	U	4.3	ug/kg dry	
Tetrachloroethene	43		4.3	ug/kg dry	
2-Hexanone	---	U	84	ug/kg dry	
1,2-Dibromoethane	---	U	4.3	ug/kg dry	
Chlorobenzene	---	U	4.3	ug/kg dry	
Ethylbenzene	---	U	4.3	ug/kg dry	
m/p-Xylene	---	U	4.3	ug/kg dry	
o-Xylene	---	U	4.3	ug/kg dry	
Styrene	---	U	4.3	ug/kg dry	
Isopropylbenzene	---	U	4.3	ug/kg dry	
1,1,2,2-Tetrachloroethane	---	U	4.3	ug/kg dry	
1,3-Dichlorobenzene	---	U	4.3	ug/kg dry	
1,4-Dichlorobenzene	---	U	4.3	ug/kg dry	
1,2-Dichlorobenzene	---	U	4.3	ug/kg dry	
1,2-Dibromo-3-Chloropropane	---	U	4.3	ug/kg dry	
1,2,4-Trichlorobenzene	---	U	4.3	ug/kg dry	
1,2,3-Trichlorobenzene	---	U	4.3	ug/kg dry	
Tridecane	8.7	NJ		ug/kg dry	
NVOA GCMS					
1,4-Dioxane	---	U	71.6	ug/kg dry	
Benzaldehyde	---	U	107	ug/kg dry	
Phenol	---	U	107	ug/kg dry	
Bis(2-Chloroethyl)Ether	---	U	107	ug/kg dry	

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SB-02-A				Sample ID: 1606039-01	
NVOA GCMS					
2-Chlorophenol	---	U	107	ug/kg dry	
2-Methylphenol	---	U	107	ug/kg dry	
Bis(2-Chloroisopropyl)Ether	---	U	107	ug/kg dry	
Acetophenone	---	U	107	ug/kg dry	
4-Methylphenol	---	U	107	ug/kg dry	
N-Nitroso-Di-N-Propylamine	---	U	107	ug/kg dry	
Hexachloroethane	---	U	107	ug/kg dry	
Nitrobenzene	---	U	107	ug/kg dry	
Isophorone	---	U	107	ug/kg dry	
2-Nitrophenol	---	U	107	ug/kg dry	
2,4-Dimethylphenol	---	U	107	ug/kg dry	
Bis(-2-Chloroethoxy)Methane	---	U	107	ug/kg dry	
2,4-Dichlorophenol	---	U	107	ug/kg dry	
Naphthalene	---	U	107	ug/kg dry	
4-Chloroaniline	---	U	107	ug/kg dry	
Hexachlorobutadiene	---	U	107	ug/kg dry	
Caprolactam	---	U	107	ug/kg dry	
4-Chloro-3-Methylphenol	---	U	107	ug/kg dry	
2-Methylnaphthalene	---	U	107	ug/kg dry	
1,2,4,5-Tetrachlorobenzene	---	U	107	ug/kg dry	
Hexachlorocyclopentadiene	---	U	107	ug/kg dry	
2,4,6-Trichlorophenol	---	U	107	ug/kg dry	
2,4,5-Trichlorophenol	---	U	107	ug/kg dry	
Biphenyl	---	U	107	ug/kg dry	
2-Chloronaphthalene	---	U	107	ug/kg dry	
2-Nitroaniline	---	U	107	ug/kg dry	
Dimethyl Phthalate	---	U	107	ug/kg dry	
Acenaphthylene	---	U	107	ug/kg dry	

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SB-02-A				Sample ID: 1606039-01	
NVOA GCMS					
2,6-Dinitrotoluene	---	U	107	ug/kg dry	
3-Nitroaniline	---	U	107	ug/kg dry	
Acenaphthene	---	U	107	ug/kg dry	
2,4-Dinitrophenol	---	U J	356	ug/kg dry	
4-Nitrophenol	---	U	107	ug/kg dry	
Dibenzofuran	---	U	107	ug/kg dry	
2,4-Dinitrotoluene	---	U	107	ug/kg dry	
2,3,4,6-Tetrachlorophenol	---	U	107	ug/kg dry	
Fluorene	---	U	107	ug/kg dry	
Diethylphthalate	---	U	107	ug/kg dry	
4-Chlorophenyl-Phenylether	---	U	107	ug/kg dry	
4-Nitroaniline	---	U	107	ug/kg dry	
4,6-Dinitro-2-Methylphenol	---	U	107	ug/kg dry	
N-Nitrosodiphenylamine	---	U	107	ug/kg dry	
4-Bromophenyl-Phenylether	---	U	107	ug/kg dry	
Hexachlorobenzene	---	U	107	ug/kg dry	
Atrazine	---	U	107	ug/kg dry	
Pentachlorophenol	---	U	107	ug/kg dry	
Phenanthrene	161		107	ug/kg dry	
Anthracene	---	U	107	ug/kg dry	
Carbazole	---	U	107	ug/kg dry	
Di-N-Butyl Phthalate	---	U	107	ug/kg dry	
Fluoranthene	274		107	ug/kg dry	
Pyrene	241		107	ug/kg dry	
Butylbenzylphthalate	---	U	107	ug/kg dry	
3,3'- Dichlorobenzidine	---	U	107	ug/kg dry	
Benzo(A)Anthracene	122		107	ug/kg dry	
Chrysene	140		107	ug/kg dry	

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SB-02-A				Sample ID: 1606039-01	
NVOA GCMS					
Bis(2-Ethylhexyl)Phthalate	---	U	107	ug/kg dry	
Di-N-Octyl Phthalate	---	U	107	ug/kg dry	
Benzo(B)Fluoranthene	169		107	ug/kg dry	
Benzo(K)Fluoranthene	---	U	107	ug/kg dry	
Benzo(A)Pyrene	114		107	ug/kg dry	
Indeno(1,2,3-Cd)Pyrene	---	U	107	ug/kg dry	
Dibenzo(A,H)Anthracene	---	U	107	ug/kg dry	
Benzo(G,H,I)Perylene	---	U	107	ug/kg dry	
Tetrachloroethylene	391	NJ		ug/kg dry	
PCB Aroclors GC					
Aroclor 1016	---	U J	33	ug/kg dry	
Aroclor 1221	---	U J	67	ug/kg dry	
Aroclor 1232	---	U J	33	ug/kg dry	
Aroclor 1242	---	U J	33	ug/kg dry	
Aroclor 1248	---	U J	33	ug/kg dry	
Aroclor 1254	---	U J	33	ug/kg dry	
Aroclor 1260	---	U J	33	ug/kg dry	
Aroclor 1262	---	U J	33	ug/kg dry	
Aroclor 1268	---	U J	33	ug/kg dry	
Metals ICP					
Aluminum	6100		7.9	mg/kg dry	
Antimony	---	U	1.6	mg/kg dry	
Arsenic	3.8		0.63	mg/kg dry	
Barium	30		7.9	mg/kg dry	
Beryllium	0.28		0.24	mg/kg dry	
Cadmium	---	U	0.24	mg/kg dry	
Calcium	480		40	mg/kg dry	

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SB-02-A				Sample ID: 1606039-01	
Metals ICP					
Chromium	7.2		0.40	mg/kg dry	
Cobalt	6.0		1.6	mg/kg dry	
Copper	17		0.79	mg/kg dry	
Iron	12000		4.0	mg/kg dry	
Lead	17		0.63	mg/kg dry	
Magnesium	1800		40	mg/kg dry	
Manganese	390		0.40	mg/kg dry	
Nickel	12		1.6	mg/kg dry	
Potassium	280		40	mg/kg dry	
Selenium	---	U	1.6	mg/kg dry	
Silver	---	U	0.40	mg/kg dry	
Sodium	---	U	79	mg/kg dry	
Thallium	---	U	1.6	mg/kg dry	
Tin	---	U	0.79	mg/kg dry	
Vanadium	9.3		1.6	mg/kg dry	
Zinc	36		1.6	mg/kg dry	
Field ID: KR-SB-03-A				Sample ID: 1606039-02	
VOA GCMS					
Dichlorodifluoromethane	---	U	4.5	ug/kg dry	
Chloromethane	6.3		4.5	ug/kg dry	
Vinyl Chloride	---	U	4.5	ug/kg dry	
Bromomethane	---	U J	120	ug/kg dry	
Chloroethane	---	U	4.5	ug/kg dry	
Trichlorofluoromethane	---	U	4.5	ug/kg dry	
1,1-Dichloroethene	---	U	4.5	ug/kg dry	
1,1,2-Trichloro-1,2,2-Trifluoroethane	---	U	4.5	ug/kg dry	

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SB-03-A				Sample ID: 1606039-02	
VOA GCMS					
Carbon Disulfide	---	U	4.5	ug/kg dry	
Acetone	16	J	9.0	ug/kg dry	
Methyl Acetate	5.4	J	4.5	ug/kg dry	
Methylene Chloride	---	U	4.5	ug/kg dry	
trans-1,2-Dichloroethene	---	U	4.5	ug/kg dry	
cis-1,2-Dichloroethene	---	U	4.5	ug/kg dry	
Methyl tert-Butyl Ether	---	U L	4.5	ug/kg dry	
1,1-Dichloroethane	---	U	4.5	ug/kg dry	
2-Butanone	---	U	9.0	ug/kg dry	
Bromochloromethane	---	U	4.5	ug/kg dry	
Chloroform	---	U	4.5	ug/kg dry	
1,2-Dichloroethane	---	U	4.5	ug/kg dry	
1,1,1-Trichloroethane	---	U	4.5	ug/kg dry	
Cyclohexane	---	U	4.5	ug/kg dry	
Carbon Tetrachloride	---	U	4.5	ug/kg dry	
Benzene	---	U	4.5	ug/kg dry	
Trichloroethene	---	U	4.5	ug/kg dry	
Methylcyclohexane	---	U	4.5	ug/kg dry	
1,2-Dichloropropane	---	U J	4.5	ug/kg dry	
Bromodichloromethane	---	U	4.5	ug/kg dry	
cis-1,3-Dichloropropene	---	U	9.0	ug/kg dry	
trans-1,3-Dichloropropene	---	U	4.5	ug/kg dry	
1,1,2-Trichloroethane	---	U	4.5	ug/kg dry	
Dibromochloromethane	---	U	4.5	ug/kg dry	
Bromoform	---	U	4.5	ug/kg dry	
4-Methyl-2-Pentanone	---	U	9.0	ug/kg dry	
Toluene	---	U	4.5	ug/kg dry	
Tetrachloroethene	260		26	ug/kg dry	

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SB-03-A				Sample ID: 1606039-02	
VOA GCMS					
2-Hexanone	---	U	88	ug/kg dry	
1,2-Dibromoethane	---	U	4.5	ug/kg dry	
Chlorobenzene	---	U	4.5	ug/kg dry	
Ethylbenzene	---	U	4.5	ug/kg dry	
m/p-Xylene	---	U	4.5	ug/kg dry	
o-Xylene	---	U	4.5	ug/kg dry	
Styrene	---	U L	4.5	ug/kg dry	
Isopropylbenzene	---	U	4.5	ug/kg dry	
1,1,2,2-Tetrachloroethane	---	U	4.5	ug/kg dry	
1,3-Dichlorobenzene	---	U	4.5	ug/kg dry	
1,4-Dichlorobenzene	---	U	4.5	ug/kg dry	
1,2-Dichlorobenzene	---	U	4.5	ug/kg dry	
1,2-Dibromo-3-Chloropropane	---	U	4.5	ug/kg dry	
1,2,4-Trichlorobenzene	---	U	4.5	ug/kg dry	
1,2,3-Trichlorobenzene	---	U	4.5	ug/kg dry	
NVOA GCMS					
1,4-Dioxane	---	U	71.5	ug/kg dry	
Benzaldehyde	---	U	107	ug/kg dry	
Phenol	---	U	107	ug/kg dry	
Bis(2-Chloroethyl)Ether	---	U	107	ug/kg dry	
2-Chlorophenol	---	U	107	ug/kg dry	
2-Methylphenol	---	U	107	ug/kg dry	
Bis(2-Chloroisopropyl)Ether	---	U	107	ug/kg dry	
Acetophenone	---	U	107	ug/kg dry	
4-Methylphenol	---	U	107	ug/kg dry	
N-Nitroso-Di-N-Propylamine	---	U	107	ug/kg dry	
Hexachloroethane	---	U	107	ug/kg dry	
Nitrobenzene	---	U	107	ug/kg dry	

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SB-03-A				Sample ID: 1606039-02	
NVOA GCMS					
Isophorone	---	U	107	ug/kg dry	
2-Nitrophenol	---	U	107	ug/kg dry	
2,4-Dimethylphenol	---	U	107	ug/kg dry	
Bis(-2-Chloroethoxy)Methane	---	U	107	ug/kg dry	
2,4-Dichlorophenol	---	U	107	ug/kg dry	
Naphthalene	---	U	107	ug/kg dry	
4-Chloroaniline	---	U	107	ug/kg dry	
Hexachlorobutadiene	---	U	107	ug/kg dry	
Caprolactam	---	U	107	ug/kg dry	
4-Chloro-3-Methylphenol	---	U	107	ug/kg dry	
2-Methylnaphthalene	---	U	107	ug/kg dry	
1,2,4,5-Tetrachlorobenzene	---	U	107	ug/kg dry	
Hexachlorocyclopentadiene	---	U	107	ug/kg dry	
2,4,6-Trichlorophenol	---	U	107	ug/kg dry	
2,4,5-Trichlorophenol	---	U	107	ug/kg dry	
Biphenyl	---	U	107	ug/kg dry	
2-Chloronaphthalene	---	U	107	ug/kg dry	
2-Nitroaniline	---	U	107	ug/kg dry	
Dimethyl Phthalate	---	U	107	ug/kg dry	
Acenaphthylene	---	U	107	ug/kg dry	
2,6-Dinitrotoluene	---	U	107	ug/kg dry	
3-Nitroaniline	---	U	107	ug/kg dry	
Acenaphthene	---	U	107	ug/kg dry	
2,4-Dinitrophenol	---	U J	356	ug/kg dry	
4-Nitrophenol	---	U	107	ug/kg dry	
Dibenzofuran	---	U	107	ug/kg dry	
2,4-Dinitrotoluene	---	U	107	ug/kg dry	
2,3,4,6-Tetrachlorophenol	---	U	107	ug/kg dry	

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SB-03-A				Sample ID: 1606039-02	
NVOA GCMS					
Fluorene	---	U	107	ug/kg dry	
Diethylphthalate	---	U	107	ug/kg dry	
4-Chlorophenyl-Phenylether	---	U	107	ug/kg dry	
4-Nitroaniline	---	U	107	ug/kg dry	
4,6-Dinitro-2-Methylphenol	---	U	107	ug/kg dry	
N-Nitrosodiphenylamine	---	U	107	ug/kg dry	
4-Bromophenyl-Phenylether	---	U	107	ug/kg dry	
Hexachlorobenzene	---	U	107	ug/kg dry	
Atrazine	---	U	107	ug/kg dry	
Pentachlorophenol	---	U	107	ug/kg dry	
Phenanthrene	---	U	107	ug/kg dry	
Anthracene	---	U	107	ug/kg dry	
Carbazole	---	U	107	ug/kg dry	
Di-N-Butyl Phthalate	---	U	107	ug/kg dry	
Fluoranthene	---	U	107	ug/kg dry	
Pyrene	---	U	107	ug/kg dry	
Butylbenzylphthalate	---	U	107	ug/kg dry	
3,3'- Dichlorobenzidine	---	U	107	ug/kg dry	
Benzo(A)Anthracene	---	U	107	ug/kg dry	
Chrysene	---	U	107	ug/kg dry	
Bis(2-Ethylhexyl)Phthalate	---	U	107	ug/kg dry	
Di-N-Octyl Phthalate	---	U	107	ug/kg dry	
Benzo(B)Fluoranthene	---	U	107	ug/kg dry	
Benzo(K)Fluoranthene	---	U	107	ug/kg dry	
Benzo(A)Pyrene	---	U	107	ug/kg dry	
Indeno(1,2,3-Cd)Pyrene	---	U	107	ug/kg dry	
Dibenzo(A,H)Anthracene	---	U	107	ug/kg dry	
Benzo(G,H,I)Perylene	---	U	107	ug/kg dry	

Final Report

Project: Kingston Rail Yard - 1606029

Project Number: 1606029

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SB-03-A				Sample ID: 1606039-02	
PCB Aroclors GC					
Aroclor 1016	---	U J	33	ug/kg dry	
Aroclor 1221	---	U J	66	ug/kg dry	
Aroclor 1232	---	U J	33	ug/kg dry	
Aroclor 1242	---	U J	33	ug/kg dry	
Aroclor 1248	---	U J	33	ug/kg dry	
Aroclor 1254	---	U J	33	ug/kg dry	
Aroclor 1260	270	J	33	ug/kg dry	
Aroclor 1262	---	U J	33	ug/kg dry	
Aroclor 1268	---	U J	33	ug/kg dry	
Metals ICP					
Aluminum	7000		7.9	mg/kg dry	
Antimony	---	U	1.6	mg/kg dry	
Arsenic	3.1		0.64	mg/kg dry	
Barium	20		7.9	mg/kg dry	
Beryllium	0.25		0.24	mg/kg dry	
Cadmium	---	U	0.24	mg/kg dry	
Calcium	320		40	mg/kg dry	
Chromium	7.6		0.40	mg/kg dry	
Cobalt	5.1		1.6	mg/kg dry	
Copper	8.0		0.79	mg/kg dry	
Iron	12000		4.0	mg/kg dry	
Lead	5.9		0.64	mg/kg dry	
Magnesium	1800		40	mg/kg dry	
Manganese	340		0.40	mg/kg dry	
Nickel	13		1.6	mg/kg dry	
Potassium	250		40	mg/kg dry	
Selenium	---	U	1.6	mg/kg dry	

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SB-03-A				Sample ID: 1606039-02	
Metals ICP					
Silver	---	U	0.40	mg/kg dry	
Sodium	---	U	79	mg/kg dry	
Thallium	---	U	1.6	mg/kg dry	
Tin	---	U	0.79	mg/kg dry	
Vanadium	10		1.6	mg/kg dry	
Zinc	33		1.6	mg/kg dry	
Field ID: KR-SB-04-A				Sample ID: 1606039-03	
VOA GCMS					
Dichlorodifluoromethane	---	U	5.3	ug/kg dry	
Chloromethane	---	U	5.3	ug/kg dry	
Vinyl Chloride	---	U	5.3	ug/kg dry	
Bromomethane	---	U J	140	ug/kg dry	
Chloroethane	---	U	5.3	ug/kg dry	
Trichlorofluoromethane	---	U	5.3	ug/kg dry	
1,1-Dichloroethene	---	U	5.3	ug/kg dry	
1,1,2-Trichloro-1,2,2-Trifluoroethane	---	U	5.3	ug/kg dry	
Carbon Disulfide	---	U	5.3	ug/kg dry	
Acetone	---	U J	11	ug/kg dry	
Methyl Acetate	---	U J	5.3	ug/kg dry	
Methylene Chloride	---	U	5.3	ug/kg dry	
trans-1,2-Dichloroethene	---	U	5.3	ug/kg dry	
cis-1,2-Dichloroethene	---	U	5.3	ug/kg dry	
Methyl tert-Butyl Ether	---	U L	5.3	ug/kg dry	
1,1-Dichloroethane	---	U	5.3	ug/kg dry	
2-Butanone	---	U	11	ug/kg dry	
Bromochloromethane	---	U	5.3	ug/kg dry	
Chloroform	---	U	5.3	ug/kg dry	
1,2-Dichloroethane	---	U	5.3	ug/kg dry	

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SB-04-A				Sample ID: 1606039-03	
VOA GCMS					
1,1,1-Trichloroethane	---	U	5.3	ug/kg dry	
Cyclohexane	---	U	5.3	ug/kg dry	
Carbon Tetrachloride	---	U	5.3	ug/kg dry	
Benzene	---	U	5.3	ug/kg dry	
Trichloroethene	---	U	5.3	ug/kg dry	
Methylcyclohexane	---	U	5.3	ug/kg dry	
1,2-Dichloropropane	---	U J	5.3	ug/kg dry	
Bromodichloromethane	---	U	5.3	ug/kg dry	
cis-1,3-Dichloropropene	---	U	11	ug/kg dry	
trans-1,3-Dichloropropene	---	U	5.3	ug/kg dry	
1,1,2-Trichloroethane	---	U	5.3	ug/kg dry	
Dibromochloromethane	---	U	5.3	ug/kg dry	
Bromoform	---	U	5.3	ug/kg dry	
4-Methyl-2-Pentanone	---	U	11	ug/kg dry	
Toluene	---	U	5.3	ug/kg dry	
Tetrachloroethene	17		5.3	ug/kg dry	
2-Hexanone	---	U	100	ug/kg dry	
1,2-Dibromoethane	---	U	5.3	ug/kg dry	
Chlorobenzene	---	U	5.3	ug/kg dry	
Ethylbenzene	---	U	5.3	ug/kg dry	
m/p-Xylene	---	U	5.3	ug/kg dry	
o-Xylene	---	U	5.3	ug/kg dry	
Styrene	---	U	5.3	ug/kg dry	
Isopropylbenzene	---	U	5.3	ug/kg dry	
1,1,2,2-Tetrachloroethane	---	U	5.3	ug/kg dry	
1,3-Dichlorobenzene	---	U	5.3	ug/kg dry	
1,4-Dichlorobenzene	---	U	5.3	ug/kg dry	
1,2-Dichlorobenzene	---	U	5.3	ug/kg dry	

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SB-04-A				Sample ID: 1606039-03	
VOA GCMS					
1,2-Dibromo-3-Chloropropane	---	U	5.3	ug/kg dry	
1,2,4-Trichlorobenzene	---	U	5.3	ug/kg dry	
1,2,3-Trichlorobenzene	---	U	5.3	ug/kg dry	
NVOA GCMS					
1,4-Dioxane	---	U	70.8	ug/kg dry	
Benzaldehyde	---	U	106	ug/kg dry	
Phenol	---	U	106	ug/kg dry	
Bis(2-Chloroethyl)Ether	---	U	106	ug/kg dry	
2-Chlorophenol	---	U	106	ug/kg dry	
2-Methylphenol	---	U	106	ug/kg dry	
Bis(2-Chloroisopropyl)Ether	---	U	106	ug/kg dry	
Acetophenone	---	U	106	ug/kg dry	
4-Methylphenol	---	U	106	ug/kg dry	
N-Nitroso-Di-N-Propylamine	---	U	106	ug/kg dry	
Hexachloroethane	---	U	106	ug/kg dry	
Nitrobenzene	---	U	106	ug/kg dry	
Isophorone	---	U	106	ug/kg dry	
2-Nitrophenol	---	U	106	ug/kg dry	
2,4-Dimethylphenol	---	U	106	ug/kg dry	
Bis(-2-Chloroethoxy)Methane	---	U	106	ug/kg dry	
2,4-Dichlorophenol	---	U	106	ug/kg dry	
Naphthalene	---	U	106	ug/kg dry	
4-Chloroaniline	---	U	106	ug/kg dry	
Hexachlorobutadiene	---	U	106	ug/kg dry	
Caprolactam	---	U	106	ug/kg dry	
4-Chloro-3-Methylphenol	---	U	106	ug/kg dry	
2-Methylnaphthalene	---	U	106	ug/kg dry	
1,2,4,5-Tetrachlorobenzene	---	U	106	ug/kg dry	

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SB-04-A				Sample ID: 1606039-03	
NVOA GCMS					
Hexachlorocyclopentadiene	---	U	106	ug/kg dry	
2,4,6-Trichlorophenol	---	U	106	ug/kg dry	
2,4,5-Trichlorophenol	---	U	106	ug/kg dry	
Biphenyl	---	U	106	ug/kg dry	
2-Chloronaphthalene	---	U	106	ug/kg dry	
2-Nitroaniline	---	U	106	ug/kg dry	
Dimethyl Phthalate	---	U	106	ug/kg dry	
Acenaphthylene	---	U	106	ug/kg dry	
2,6-Dinitrotoluene	---	U	106	ug/kg dry	
3-Nitroaniline	---	U	106	ug/kg dry	
Acenaphthene	---	U	106	ug/kg dry	
2,4-Dinitrophenol	---	U J	352	ug/kg dry	
4-Nitrophenol	---	U	106	ug/kg dry	
Dibenzofuran	---	U	106	ug/kg dry	
2,4-Dinitrotoluene	---	U	106	ug/kg dry	
2,3,4,6-Tetrachlorophenol	---	U	106	ug/kg dry	
Fluorene	---	U	106	ug/kg dry	
Diethylphthalate	---	U	106	ug/kg dry	
4-Chlorophenyl-Phenylether	---	U	106	ug/kg dry	
4-Nitroaniline	---	U	106	ug/kg dry	
4,6-Dinitro-2-Methylphenol	---	U	106	ug/kg dry	
N-Nitrosodiphenylamine	---	U	106	ug/kg dry	
4-Bromophenyl-Phenylether	---	U	106	ug/kg dry	
Hexachlorobenzene	---	U	106	ug/kg dry	
Atrazine	---	U	106	ug/kg dry	
Pentachlorophenol	---	U	106	ug/kg dry	
Phenanthrene	---	U	106	ug/kg dry	
Anthracene	---	U	106	ug/kg dry	

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SB-04-A					Sample ID: 1606039-03
NVOA GCMS					
Carbazole	---	U	106	ug/kg dry	
Di-N-Butyl Phthalate	---	U	106	ug/kg dry	
Fluoranthene	---	U	106	ug/kg dry	
Pyrene	---	U	106	ug/kg dry	
Butylbenzylphthalate	---	U	106	ug/kg dry	
3,3'- Dichlorobenzidine	---	U	106	ug/kg dry	
Benzo(A)Anthracene	---	U	106	ug/kg dry	
Chrysene	---	U	106	ug/kg dry	
Bis(2-Ethylhexyl)Phthalate	---	U	106	ug/kg dry	
Di-N-Octyl Phthalate	---	U	106	ug/kg dry	
Benzo(B)Fluoranthene	---	U	106	ug/kg dry	
Benzo(K)Fluoranthene	---	U	106	ug/kg dry	
Benzo(A)Pyrene	---	U	106	ug/kg dry	
Indeno(1,2,3-Cd)Pyrene	---	U	106	ug/kg dry	
Dibenzo(A,H)Anthracene	---	U	106	ug/kg dry	
Benzo(G,H,I)Perylene	---	U	106	ug/kg dry	
PCB Aroclors GC					
Aroclor 1016	---	U J	33	ug/kg dry	
Aroclor 1221	---	U J	66	ug/kg dry	
Aroclor 1232	---	U J	33	ug/kg dry	
Aroclor 1242	---	U J	33	ug/kg dry	
Aroclor 1248	---	U J	33	ug/kg dry	
Aroclor 1254	---	U J	33	ug/kg dry	
Aroclor 1260	---	U J	33	ug/kg dry	
Aroclor 1262	---	U J	33	ug/kg dry	
Aroclor 1268	---	U J	33	ug/kg dry	

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SB-04-A				Sample ID: 1606039-03	
Metals ICP					
Aluminum	6100		8.6	mg/kg dry	
Antimony	---	U	1.7	mg/kg dry	
Arsenic	3.0		0.69	mg/kg dry	
Barium	11		8.6	mg/kg dry	
Beryllium	---	U	0.26	mg/kg dry	
Cadmium	---	U	0.26	mg/kg dry	
Calcium	230		43	mg/kg dry	
Chromium	7.2		0.43	mg/kg dry	
Cobalt	5.3		1.7	mg/kg dry	
Copper	10		0.86	mg/kg dry	
Iron	11000		4.3	mg/kg dry	
Lead	7.6		0.69	mg/kg dry	
Magnesium	2000		43	mg/kg dry	
Manganese	300		0.43	mg/kg dry	
Nickel	12		1.7	mg/kg dry	
Potassium	290		43	mg/kg dry	
Selenium	---	U	1.7	mg/kg dry	
Silver	---	U	0.43	mg/kg dry	
Sodium	---	U	86	mg/kg dry	
Thallium	---	U	1.7	mg/kg dry	
Tin	---	U	0.86	mg/kg dry	
Vanadium	8.4		1.7	mg/kg dry	
Zinc	30		1.7	mg/kg dry	
Field ID: KR-SB-05-A				Sample ID: 1606039-04	
VOA GCMS					
Dichlorodifluoromethane	---	U	5.9	ug/kg dry	

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SB-05-A				Sample ID: 1606039-04	
VOA GCMS					
Chloromethane	7.0		5.9	ug/kg dry	
Vinyl Chloride	---	U	5.9	ug/kg dry	
Bromomethane	---	U J	150	ug/kg dry	
Chloroethane	---	U	5.9	ug/kg dry	
Trichlorofluoromethane	---	U	5.9	ug/kg dry	
1,1-Dichloroethene	---	U	5.9	ug/kg dry	
1,1,2-Trichloro-1,2,2-Trifluoroethane	---	U	5.9	ug/kg dry	
Carbon Disulfide	---	U	5.9	ug/kg dry	
Acetone	36	J	12	ug/kg dry	
Methyl Acetate	9.7	J	5.9	ug/kg dry	
Methylene Chloride	---	U	5.9	ug/kg dry	
trans-1,2-Dichloroethene	---	U	5.9	ug/kg dry	
cis-1,2-Dichloroethene	---	U	5.9	ug/kg dry	
Methyl tert-Butyl Ether	---	U L	5.9	ug/kg dry	
1,1-Dichloroethane	---	U	5.9	ug/kg dry	
2-Butanone	---	U	12	ug/kg dry	
Bromochloromethane	---	U	5.9	ug/kg dry	
Chloroform	---	U	5.9	ug/kg dry	
1,2-Dichloroethane	---	U	5.9	ug/kg dry	
1,1,1-Trichloroethane	---	U	5.9	ug/kg dry	
Cyclohexane	---	U	5.9	ug/kg dry	
Carbon Tetrachloride	---	U	5.9	ug/kg dry	
Benzene	---	U	5.9	ug/kg dry	
Trichloroethene	---	U	5.9	ug/kg dry	
Methylcyclohexane	---	U	5.9	ug/kg dry	
1,2-Dichloropropane	---	U J	5.9	ug/kg dry	
Bromodichloromethane	---	U	5.9	ug/kg dry	
cis-1,3-Dichloropropene	---	U	12	ug/kg dry	

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SB-05-A				Sample ID: 1606039-04	
VOA GCMS					
trans-1,3-Dichloropropene	---	U	5.9	ug/kg dry	
1,1,2-Trichloroethane	---	U	5.9	ug/kg dry	
Dibromochloromethane	---	U	5.9	ug/kg dry	
Bromoform	---	U	5.9	ug/kg dry	
4-Methyl-2-Pentanone	---	U	12	ug/kg dry	
Toluene	---	U	5.9	ug/kg dry	
Tetrachloroethene	82		5.9	ug/kg dry	
2-Hexanone	---	U	110	ug/kg dry	
1,2-Dibromoethane	---	U	5.9	ug/kg dry	
Chlorobenzene	---	U	5.9	ug/kg dry	
Ethylbenzene	---	U	5.9	ug/kg dry	
m/p-Xylene	---	U	5.9	ug/kg dry	
o-Xylene	---	U	5.9	ug/kg dry	
Styrene	---	U	5.9	ug/kg dry	
Isopropylbenzene	---	U	5.9	ug/kg dry	
1,1,2,2-Tetrachloroethane	---	U	5.9	ug/kg dry	
1,3-Dichlorobenzene	---	U	5.9	ug/kg dry	
1,4-Dichlorobenzene	---	U	5.9	ug/kg dry	
1,2-Dichlorobenzene	---	U	5.9	ug/kg dry	
1,2-Dibromo-3-Chloropropane	---	U	5.9	ug/kg dry	
1,2,4-Trichlorobenzene	---	U	5.9	ug/kg dry	
1,2,3-Trichlorobenzene	---	U	5.9	ug/kg dry	
HEXANAL	14			ug/kg dry	
Propene	14			ug/kg dry	

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SB-05-A				Sample ID: 1606039-04	
NVOA GCMS					
1,4-Dioxane	---	U	69.3	ug/kg dry	
Benzaldehyde	---	U	103	ug/kg dry	
Phenol	---	U	103	ug/kg dry	
Bis(2-Chloroethyl)Ether	---	U	103	ug/kg dry	
2-Chlorophenol	---	U	103	ug/kg dry	
2-Methylphenol	---	U	103	ug/kg dry	
Bis(2-Chloroisopropyl)Ether	---	U	103	ug/kg dry	
Acetophenone	---	U	103	ug/kg dry	
4-Methylphenol	---	U	103	ug/kg dry	
N-Nitroso-Di-N-Propylamine	---	U	103	ug/kg dry	
Hexachloroethane	---	U	103	ug/kg dry	
Nitrobenzene	---	U	103	ug/kg dry	
Isophorone	---	U	103	ug/kg dry	
2-Nitrophenol	---	U	103	ug/kg dry	
2,4-Dimethylphenol	---	U	103	ug/kg dry	
Bis(-2-Chloroethoxy)Methane	---	U	103	ug/kg dry	
2,4-Dichlorophenol	---	U	103	ug/kg dry	
Naphthalene	---	U	103	ug/kg dry	
4-Chloroaniline	---	U	103	ug/kg dry	
Hexachlorobutadiene	---	U	103	ug/kg dry	
Caprolactam	---	U	103	ug/kg dry	
4-Chloro-3-Methylphenol	---	U	103	ug/kg dry	
2-Methylnaphthalene	---	U	103	ug/kg dry	
1,2,4,5-Tetrachlorobenzene	---	U	103	ug/kg dry	
Hexachlorocyclopentadiene	---	U	103	ug/kg dry	
2,4,6-Trichlorophenol	---	U	103	ug/kg dry	
2,4,5-Trichlorophenol	---	U	103	ug/kg dry	
Biphenyl	---	U	103	ug/kg dry	

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SB-05-A				Sample ID: 1606039-04	
NVOA GCMS					
2-Chloronaphthalene	---	U	103	ug/kg dry	
2-Nitroaniline	---	U	103	ug/kg dry	
Dimethyl Phthalate	118		103	ug/kg dry	
Acenaphthylene	---	U	103	ug/kg dry	
2,6-Dinitrotoluene	---	U	103	ug/kg dry	
3-Nitroaniline	---	U	103	ug/kg dry	
Acenaphthene	---	U	103	ug/kg dry	
2,4-Dinitrophenol	---	U J	345	ug/kg dry	
4-Nitrophenol	---	U	103	ug/kg dry	
Dibenzofuran	---	U	103	ug/kg dry	
2,4-Dinitrotoluene	---	U	103	ug/kg dry	
2,3,4,6-Tetrachlorophenol	---	U	103	ug/kg dry	
Fluorene	---	U	103	ug/kg dry	
Diethylphthalate	---	U	103	ug/kg dry	
4-Chlorophenyl-Phenylether	---	U	103	ug/kg dry	
4-Nitroaniline	---	U	103	ug/kg dry	
4,6-Dinitro-2-Methylphenol	---	U	103	ug/kg dry	
N-Nitrosodiphenylamine	---	U	103	ug/kg dry	
4-Bromophenyl-Phenylether	---	U	103	ug/kg dry	
Hexachlorobenzene	---	U	103	ug/kg dry	
Atrazine	---	U	103	ug/kg dry	
Pentachlorophenol	---	U	103	ug/kg dry	
Phenanthrene	---	U	103	ug/kg dry	
Anthracene	---	U	103	ug/kg dry	
Carbazole	---	U	103	ug/kg dry	
Di-N-Butyl Phthalate	---	U	103	ug/kg dry	
Fluoranthene	186		103	ug/kg dry	
Pyrene	144		103	ug/kg dry	

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SB-05-A				Sample ID: 1606039-04	
NVOA GCMS					
Butylbenzylphthalate	---	U	103	ug/kg dry	
3,3'- Dichlorobenzidine	---	U	103	ug/kg dry	
Benzo(A)Anthracene	---	U	103	ug/kg dry	
Chrysene	112		103	ug/kg dry	
Bis(2-Ethylhexyl)Phthalate	---	U	103	ug/kg dry	
Di-N-Octyl Phthalate	---	U	103	ug/kg dry	
Benzo(B)Fluoranthene	158		103	ug/kg dry	
Benzo(K)Fluoranthene	---	U	103	ug/kg dry	
Benzo(A)Pyrene	---	U	103	ug/kg dry	
Indeno(1,2,3-Cd)Pyrene	---	U	103	ug/kg dry	
Dibenzo(A,H)Anthracene	---	U	103	ug/kg dry	
Benzo(G,H,I)Perylene	---	U	103	ug/kg dry	
PCB Aroclors GC					
Aroclor 1016	---	U J	32	ug/kg dry	
Aroclor 1221	---	U J	64	ug/kg dry	
Aroclor 1232	---	U J	32	ug/kg dry	
Aroclor 1242	---	U J	32	ug/kg dry	
Aroclor 1248	---	U J	32	ug/kg dry	
Aroclor 1254	---	U J	32	ug/kg dry	
Aroclor 1260	---	U J	32	ug/kg dry	
Aroclor 1262	---	U J	32	ug/kg dry	
Aroclor 1268	---	U J	32	ug/kg dry	
Metals ICP					
Aluminum	6000		8.5	mg/kg dry	
Antimony	---	U	1.7	mg/kg dry	
Arsenic	3.9		0.68	mg/kg dry	
Barium	17		8.5	mg/kg dry	
Beryllium	---	U	0.25	mg/kg dry	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SB-05-A				Sample ID: 1606039-04	
Metals ICP					
Cadmium	---	U	0.25	mg/kg dry	
Calcium	170		42	mg/kg dry	
Chromium	8.0		0.42	mg/kg dry	
Cobalt	5.1		1.7	mg/kg dry	
Copper	12		0.85	mg/kg dry	
Iron	12000		4.2	mg/kg dry	
Lead	11		0.68	mg/kg dry	
Magnesium	2100		42	mg/kg dry	
Manganese	330		0.42	mg/kg dry	
Nickel	13		1.7	mg/kg dry	
Potassium	340		42	mg/kg dry	
Selenium	---	U	1.7	mg/kg dry	
Silver	---	U	0.42	mg/kg dry	
Sodium	---	U	85	mg/kg dry	
Thallium	---	U	1.7	mg/kg dry	
Tin	---	U	0.85	mg/kg dry	
Vanadium	8.8		1.7	mg/kg dry	
Zinc	44		1.7	mg/kg dry	
Field ID: KR-SB-07-A				Sample ID: 1606039-05	
VOA GCMS					
Dichlorodifluoromethane	---	U	4.7	ug/kg dry	
Chloromethane	---	U	4.7	ug/kg dry	
Vinyl Chloride	---	U	4.7	ug/kg dry	
Bromomethane	---	U J	120	ug/kg dry	
Chloroethane	---	U	4.7	ug/kg dry	
Trichlorofluoromethane	---	U	4.7	ug/kg dry	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SB-07-A				Sample ID: 1606039-05	
VOA GCMS					
1,1-Dichloroethene	---	U	4.7	ug/kg dry	
1,1,2-Trichloro-1,2,2-Trifluoroethane	---	U	4.7	ug/kg dry	
Carbon Disulfide	---	U	4.7	ug/kg dry	
Acetone	---	U J	9.3	ug/kg dry	
Methyl Acetate	---	U J	4.7	ug/kg dry	
Methylene Chloride	---	U	4.7	ug/kg dry	
trans-1,2-Dichloroethene	---	U	4.7	ug/kg dry	
cis-1,2-Dichloroethene	---	U	4.7	ug/kg dry	
Methyl tert-Butyl Ether	---	U L	4.7	ug/kg dry	
1,1-Dichloroethane	---	U	4.7	ug/kg dry	
2-Butanone	---	U	9.3	ug/kg dry	
Bromochloromethane	---	U	4.7	ug/kg dry	
Chloroform	---	U	4.7	ug/kg dry	
1,2-Dichloroethane	---	U	4.7	ug/kg dry	
1,1,1-Trichloroethane	---	U	4.7	ug/kg dry	
Cyclohexane	---	U	4.7	ug/kg dry	
Carbon Tetrachloride	---	U	4.7	ug/kg dry	
Benzene	---	U	4.7	ug/kg dry	
Trichloroethene	---	U	4.7	ug/kg dry	
Methylcyclohexane	---	U	4.7	ug/kg dry	
1,2-Dichloropropane	---	U J	4.7	ug/kg dry	
Bromodichloromethane	---	U	4.7	ug/kg dry	
cis-1,3-Dichloropropene	---	U	9.3	ug/kg dry	
trans-1,3-Dichloropropene	---	U	4.7	ug/kg dry	
1,1,2-Trichloroethane	---	U	4.7	ug/kg dry	
Dibromochloromethane	---	U	4.7	ug/kg dry	
Bromoform	---	U	4.7	ug/kg dry	
4-Methyl-2-Pentanone	---	U	9.3	ug/kg dry	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SB-07-A				Sample ID: 1606039-05	
VOA GCMS					
Toluene	---	U	4.7	ug/kg dry	
Tetrachloroethene	6.4		4.7	ug/kg dry	
2-Hexanone	---	U	90	ug/kg dry	
1,2-Dibromoethane	---	U	4.7	ug/kg dry	
Chlorobenzene	---	U	4.7	ug/kg dry	
Ethylbenzene	---	U	4.7	ug/kg dry	
m/p-Xylene	---	U	4.7	ug/kg dry	
o-Xylene	---	U	4.7	ug/kg dry	
Styrene	---	U	4.7	ug/kg dry	
Isopropylbenzene	---	U	4.7	ug/kg dry	
1,1,2,2-Tetrachloroethane	---	U	4.7	ug/kg dry	
1,3-Dichlorobenzene	---	U	4.7	ug/kg dry	
1,4-Dichlorobenzene	---	U	4.7	ug/kg dry	
1,2-Dichlorobenzene	---	U	4.7	ug/kg dry	
1,2-Dibromo-3-Chloropropane	---	U	4.7	ug/kg dry	
1,2,4-Trichlorobenzene	---	U	4.7	ug/kg dry	
1,2,3-Trichlorobenzene	---	U	4.7	ug/kg dry	
NVOA GCMS					
1,4-Dioxane	---	U	69.6	ug/kg dry	
Benzaldehyde	---	U	104	ug/kg dry	
Phenol	---	U	104	ug/kg dry	
Bis(2-Chloroethyl)Ether	---	U	104	ug/kg dry	
2-Chlorophenol	---	U	104	ug/kg dry	
2-Methylphenol	---	U	104	ug/kg dry	
Bis(2-Chloroisopropyl)Ether	---	U	104	ug/kg dry	
Acetophenone	---	U	104	ug/kg dry	
4-Methylphenol	---	U	104	ug/kg dry	
N-Nitroso-Di-N-Propylamine	---	U	104	ug/kg dry	

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SB-07-A				Sample ID: 1606039-05	
NVOA GCMS					
Hexachloroethane	---	U	104	ug/kg dry	
Nitrobenzene	---	U	104	ug/kg dry	
Isophorone	---	U	104	ug/kg dry	
2-Nitrophenol	---	U	104	ug/kg dry	
2,4-Dimethylphenol	---	U	104	ug/kg dry	
Bis(-2-Chloroethoxy)Methane	---	U	104	ug/kg dry	
2,4-Dichlorophenol	---	U	104	ug/kg dry	
Naphthalene	---	U	104	ug/kg dry	
4-Chloroaniline	---	U	104	ug/kg dry	
Hexachlorobutadiene	---	U	104	ug/kg dry	
Caprolactam	---	U	104	ug/kg dry	
4-Chloro-3-Methylphenol	---	U	104	ug/kg dry	
2-Methylnaphthalene	---	U	104	ug/kg dry	
1,2,4,5-Tetrachlorobenzene	---	U	104	ug/kg dry	
Hexachlorocyclopentadiene	---	U	104	ug/kg dry	
2,4,6-Trichlorophenol	---	U	104	ug/kg dry	
2,4,5-Trichlorophenol	---	U	104	ug/kg dry	
Biphenyl	---	U	104	ug/kg dry	
2-Chloronaphthalene	---	U	104	ug/kg dry	
2-Nitroaniline	---	U	104	ug/kg dry	
Dimethyl Phthalate	128		104	ug/kg dry	
Acenaphthylene	---	U	104	ug/kg dry	
2,6-Dinitrotoluene	---	U	104	ug/kg dry	
3-Nitroaniline	---	U	104	ug/kg dry	
Acenaphthene	---	U	104	ug/kg dry	
2,4-Dinitrophenol	---	U J	346	ug/kg dry	
4-Nitrophenol	---	U	104	ug/kg dry	
Dibenzofuran	---	U	104	ug/kg dry	

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SB-07-A				Sample ID: 1606039-05	
NVOA GCMS					
2,4-Dinitrotoluene	---	U	104	ug/kg dry	
2,3,4,6-Tetrachlorophenol	---	U	104	ug/kg dry	
Fluorene	---	U	104	ug/kg dry	
Diethylphthalate	---	U	104	ug/kg dry	
4-Chlorophenyl-Phenylether	---	U	104	ug/kg dry	
4-Nitroaniline	---	U	104	ug/kg dry	
4,6-Dinitro-2-Methylphenol	---	U	104	ug/kg dry	
N-Nitrosodiphenylamine	---	U	104	ug/kg dry	
4-Bromophenyl-Phenylether	---	U	104	ug/kg dry	
Hexachlorobenzene	---	U	104	ug/kg dry	
Atrazine	---	U	104	ug/kg dry	
Pentachlorophenol	---	U	104	ug/kg dry	
Phenanthrene	---	U	104	ug/kg dry	
Anthracene	---	U	104	ug/kg dry	
Carbazole	---	U	104	ug/kg dry	
Di-N-Butyl Phthalate	---	U	104	ug/kg dry	
Fluoranthene	---	U	104	ug/kg dry	
Pyrene	---	U	104	ug/kg dry	
Butylbenzylphthalate	---	U	104	ug/kg dry	
3,3'- Dichlorobenzidine	---	U	104	ug/kg dry	
Benzo(A)Anthracene	---	U	104	ug/kg dry	
Chrysene	---	U	104	ug/kg dry	
Bis(2-Ethylhexyl)Phthalate	---	U	104	ug/kg dry	
Di-N-Octyl Phthalate	---	U	104	ug/kg dry	
Benzo(B)Fluoranthene	---	U	104	ug/kg dry	
Benzo(K)Fluoranthene	---	U	104	ug/kg dry	
Benzo(A)Pyrene	---	U	104	ug/kg dry	
Indeno(1,2,3-Cd)Pyrene	---	U	104	ug/kg dry	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SB-07-A				Sample ID: 1606039-05	
NVOA GCMS					
Dibenzo(A,H)Anthracene	---	U	104	ug/kg dry	
Benzo(G,H,I)Perylene	---	U	104	ug/kg dry	
PCB Aroclors GC					
Aroclor 1016	---	U J	32	ug/kg dry	
Aroclor 1221	---	U J	64	ug/kg dry	
Aroclor 1232	---	U J	32	ug/kg dry	
Aroclor 1242	---	U J	32	ug/kg dry	
Aroclor 1248	---	U J	32	ug/kg dry	
Aroclor 1254	---	U J	32	ug/kg dry	
Aroclor 1260	---	U J	32	ug/kg dry	
Aroclor 1262	---	U J	32	ug/kg dry	
Aroclor 1268	---	U J	32	ug/kg dry	
Metals ICP					
Aluminum	6500		7.5	mg/kg dry	
Antimony	---	U	1.5	mg/kg dry	
Arsenic	3.4		0.60	mg/kg dry	
Barium	11		7.5	mg/kg dry	
Beryllium	0.22		0.22	mg/kg dry	
Cadmium	---	U	0.22	mg/kg dry	
Calcium	250		37	mg/kg dry	
Chromium	7.6		0.37	mg/kg dry	
Cobalt	5.2		1.5	mg/kg dry	
Copper	9.1		0.75	mg/kg dry	
Iron	12000		3.7	mg/kg dry	
Lead	6.7		0.60	mg/kg dry	
Magnesium	2100		37	mg/kg dry	
Manganese	270		0.37	mg/kg dry	

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SB-07-A				Sample ID: 1606039-05	
Metals ICP					
Nickel	13		1.5	mg/kg dry	
Potassium	280		37	mg/kg dry	
Selenium	---	U	1.5	mg/kg dry	
Silver	---	U	0.37	mg/kg dry	
Sodium	---	U	75	mg/kg dry	
Thallium	---	U	1.5	mg/kg dry	
Tin	---	U	0.75	mg/kg dry	
Vanadium	9.6		1.5	mg/kg dry	
Zinc	29		1.5	mg/kg dry	
Field ID: KR-SB-08-A				Sample ID: 1606039-06	
VOA GCMS					
Dichlorodifluoromethane	---	U	5.1	ug/kg dry	
Chloromethane	---	U	5.1	ug/kg dry	
Vinyl Chloride	---	U	5.1	ug/kg dry	
Bromomethane	---	U J	130	ug/kg dry	
Chloroethane	---	U	5.1	ug/kg dry	
Trichlorofluoromethane	---	U	5.1	ug/kg dry	
1,1-Dichloroethene	---	U	5.1	ug/kg dry	
1,1,2-Trichloro-1,2,2-Trifluoroethane	---	U	5.1	ug/kg dry	
Carbon Disulfide	---	U	5.1	ug/kg dry	
Acetone	11	J	10	ug/kg dry	
Methyl Acetate	---	U J	5.1	ug/kg dry	
Methylene Chloride	---	U	5.1	ug/kg dry	
trans-1,2-Dichloroethene	---	U	5.1	ug/kg dry	
cis-1,2-Dichloroethene	---	U	5.1	ug/kg dry	
Methyl tert-Butyl Ether	---	U L	5.1	ug/kg dry	
1,1-Dichloroethane	---	U	5.1	ug/kg dry	

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SB-08-A				Sample ID: 1606039-06	
VOA GCMS					
2-Butanone	---	U	10	ug/kg dry	
Bromochloromethane	---	U	5.1	ug/kg dry	
Chloroform	---	U	5.1	ug/kg dry	
1,2-Dichloroethane	---	U	5.1	ug/kg dry	
1,1,1-Trichloroethane	---	U	5.1	ug/kg dry	
Cyclohexane	---	U	5.1	ug/kg dry	
Carbon Tetrachloride	---	U	5.1	ug/kg dry	
Benzene	---	U	5.1	ug/kg dry	
Trichloroethene	---	U	5.1	ug/kg dry	
Methylcyclohexane	---	U	5.1	ug/kg dry	
1,2-Dichloropropane	---	U J	5.1	ug/kg dry	
Bromodichloromethane	---	U	5.1	ug/kg dry	
cis-1,3-Dichloropropene	---	U	10	ug/kg dry	
trans-1,3-Dichloropropene	---	U	5.1	ug/kg dry	
1,1,2-Trichloroethane	---	U	5.1	ug/kg dry	
Dibromochloromethane	---	U	5.1	ug/kg dry	
Bromoform	---	U	5.1	ug/kg dry	
4-Methyl-2-Pentanone	---	U	10	ug/kg dry	
Toluene	---	U	5.1	ug/kg dry	
Tetrachloroethene	9.7		5.1	ug/kg dry	
2-Hexanone	---	U	98	ug/kg dry	
1,2-Dibromoethane	---	U	5.1	ug/kg dry	
Chlorobenzene	---	U	5.1	ug/kg dry	
Ethylbenzene	---	U	5.1	ug/kg dry	
m/p-Xylene	---	U	5.1	ug/kg dry	
o-Xylene	---	U	5.1	ug/kg dry	
Styrene	---	U	5.1	ug/kg dry	
Isopropylbenzene	---	U	5.1	ug/kg dry	

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SB-08-A				Sample ID: 1606039-06	
VOA GCMS					
1,1,2,2-Tetrachloroethane	---	U	5.1	ug/kg dry	
1,3-Dichlorobenzene	---	U	5.1	ug/kg dry	
1,4-Dichlorobenzene	---	U	5.1	ug/kg dry	
1,2-Dichlorobenzene	---	U	5.1	ug/kg dry	
1,2-Dibromo-3-Chloropropane	---	U	5.1	ug/kg dry	
1,2,4-Trichlorobenzene	---	U	5.1	ug/kg dry	
1,2,3-Trichlorobenzene	---	U	5.1	ug/kg dry	
NVOA GCMS					
1,4-Dioxane	---	U	69.8	ug/kg dry	
Benzaldehyde	---	U	104	ug/kg dry	
Phenol	---	U	104	ug/kg dry	
Bis(2-Chloroethyl)Ether	---	U	104	ug/kg dry	
2-Chlorophenol	---	U	104	ug/kg dry	
2-Methylphenol	---	U	104	ug/kg dry	
Bis(2-Chloroisopropyl)Ether	---	U	104	ug/kg dry	
Acetophenone	---	U	104	ug/kg dry	
4-Methylphenol	---	U	104	ug/kg dry	
N-Nitroso-Di-N-Propylamine	---	U	104	ug/kg dry	
Hexachloroethane	---	U	104	ug/kg dry	
Nitrobenzene	---	U	104	ug/kg dry	
Isophorone	---	U	104	ug/kg dry	
2-Nitrophenol	---	U	104	ug/kg dry	
2,4-Dimethylphenol	---	U	104	ug/kg dry	
Bis(-2-Chloroethoxy)Methane	---	U	104	ug/kg dry	
2,4-Dichlorophenol	---	U	104	ug/kg dry	
Naphthalene	---	U	104	ug/kg dry	
4-Chloroaniline	---	U	104	ug/kg dry	
Hexachlorobutadiene	---	U	104	ug/kg dry	

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SB-08-A				Sample ID: 1606039-06	
NVOA GCMS					
Caprolactam	---	U	104	ug/kg dry	
4-Chloro-3-Methylphenol	---	U	104	ug/kg dry	
2-Methylnaphthalene	---	U	104	ug/kg dry	
1,2,4,5-Tetrachlorobenzene	---	U	104	ug/kg dry	
Hexachlorocyclopentadiene	---	U	104	ug/kg dry	
2,4,6-Trichlorophenol	---	U	104	ug/kg dry	
2,4,5-Trichlorophenol	---	U	104	ug/kg dry	
Biphenyl	---	U	104	ug/kg dry	
2-Chloronaphthalene	---	U	104	ug/kg dry	
2-Nitroaniline	---	U	104	ug/kg dry	
Dimethyl Phthalate	176		104	ug/kg dry	
Acenaphthylene	---	U	104	ug/kg dry	
2,6-Dinitrotoluene	---	U	104	ug/kg dry	
3-Nitroaniline	---	U	104	ug/kg dry	
Acenaphthene	---	U	104	ug/kg dry	
2,4-Dinitrophenol	---	U J	347	ug/kg dry	
4-Nitrophenol	---	U	104	ug/kg dry	
Dibenzofuran	---	U	104	ug/kg dry	
2,4-Dinitrotoluene	---	U	104	ug/kg dry	
2,3,4,6-Tetrachlorophenol	---	U	104	ug/kg dry	
Fluorene	---	U	104	ug/kg dry	
Diethylphthalate	---	U	104	ug/kg dry	
4-Chlorophenyl-Phenylether	---	U	104	ug/kg dry	
4-Nitroaniline	---	U	104	ug/kg dry	
4,6-Dinitro-2-Methylphenol	---	U	104	ug/kg dry	
N-Nitrosodiphenylamine	---	U	104	ug/kg dry	
4-Bromophenyl-Phenylether	---	U	104	ug/kg dry	
Hexachlorobenzene	---	U	104	ug/kg dry	

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SB-08-A				Sample ID: 1606039-06	
NVOA GCMS					
Atrazine	---	U	104	ug/kg dry	
Pentachlorophenol	---	U	104	ug/kg dry	
Phenanthrene	123		104	ug/kg dry	
Anthracene	---	U	104	ug/kg dry	
Carbazole	---	U	104	ug/kg dry	
Di-N-Butyl Phthalate	---	U	104	ug/kg dry	
Fluoranthene	185		104	ug/kg dry	
Pyrene	162		104	ug/kg dry	
Butylbenzylphthalate	---	U	104	ug/kg dry	
3,3'- Dichlorobenzidine	---	U	104	ug/kg dry	
Benzo(A)Anthracene	---	U	104	ug/kg dry	
Chrysene	110		104	ug/kg dry	
Bis(2-Ethylhexyl)Phthalate	---	U	104	ug/kg dry	
Di-N-Octyl Phthalate	---	U	104	ug/kg dry	
Benzo(B)Fluoranthene	126		104	ug/kg dry	
Benzo(K)Fluoranthene	---	U	104	ug/kg dry	
Benzo(A)Pyrene	---	U	104	ug/kg dry	
Indeno(1,2,3-Cd)Pyrene	---	U	104	ug/kg dry	
Dibenzo(A,H)Anthracene	---	U	104	ug/kg dry	
Benzo(G,H,I)Perylene	---	U	104	ug/kg dry	
PCB Aroclors GC					
Aroclor 1016	---	U J	32	ug/kg dry	
Aroclor 1221	---	U J	65	ug/kg dry	
Aroclor 1232	---	U J	32	ug/kg dry	
Aroclor 1242	---	U J	32	ug/kg dry	
Aroclor 1248	---	U J	32	ug/kg dry	
Aroclor 1254	---	U J	32	ug/kg dry	
Aroclor 1260	---	U J	32	ug/kg dry	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SB-08-A				Sample ID: 1606039-06	
PCB Aroclors GC					
Aroclor 1262	---	U J	32	ug/kg dry	
Aroclor 1268	---	U J	32	ug/kg dry	
Metals ICP					
Aluminum	6400		8.2	mg/kg dry	
Antimony	---	U	1.6	mg/kg dry	
Arsenic	3.2		0.66	mg/kg dry	
Barium	25		8.2	mg/kg dry	
Beryllium	0.25		0.25	mg/kg dry	
Cadmium	---	U	0.25	mg/kg dry	
Calcium	290		41	mg/kg dry	
Chromium	8.5		0.41	mg/kg dry	
Cobalt	6.0		1.6	mg/kg dry	
Copper	16		0.82	mg/kg dry	
Iron	16000		4.1	mg/kg dry	
Lead	15		0.66	mg/kg dry	
Magnesium	2000		41	mg/kg dry	
Manganese	460		0.41	mg/kg dry	
Nickel	15		1.6	mg/kg dry	
Potassium	290		41	mg/kg dry	
Selenium	---	U	1.6	mg/kg dry	
Silver	---	U	0.41	mg/kg dry	
Sodium	---	U	82	mg/kg dry	
Thallium	---	U	1.6	mg/kg dry	
Tin	1.8		0.82	mg/kg dry	
Vanadium	9.1		1.6	mg/kg dry	
Zinc	32		1.6	mg/kg dry	

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: SB-900-A				Sample ID: 1606039-07	
VOA GCMS					
Dichlorodifluoromethane	---	U	4.7	ug/kg dry	
Chloromethane	---	U	4.7	ug/kg dry	
Vinyl Chloride	---	U	4.7	ug/kg dry	
Bromomethane	---	U J	120	ug/kg dry	
Chloroethane	---	U	4.7	ug/kg dry	
Trichlorofluoromethane	---	U	4.7	ug/kg dry	
1,1-Dichloroethene	---	U	4.7	ug/kg dry	
1,1,2-Trichloro-1,2,2-Trifluoroethane	---	U	4.7	ug/kg dry	
Carbon Disulfide	---	U	4.7	ug/kg dry	
Acetone	11	J	9.3	ug/kg dry	
Methyl Acetate	---	U J	4.7	ug/kg dry	
Methylene Chloride	---	U	4.7	ug/kg dry	
trans-1,2-Dichloroethene	---	U	4.7	ug/kg dry	
cis-1,2-Dichloroethene	---	U	4.7	ug/kg dry	
Methyl tert-Butyl Ether	---	U L	4.7	ug/kg dry	
1,1-Dichloroethane	---	U	4.7	ug/kg dry	
2-Butanone	---	U	9.3	ug/kg dry	
Bromochloromethane	---	U	4.7	ug/kg dry	
Chloroform	---	U	4.7	ug/kg dry	
1,2-Dichloroethane	---	U	4.7	ug/kg dry	
1,1,1-Trichloroethane	---	U	4.7	ug/kg dry	
Cyclohexane	---	U	4.7	ug/kg dry	
Carbon Tetrachloride	---	U	4.7	ug/kg dry	
Benzene	---	U	4.7	ug/kg dry	
Trichloroethene	---	U	4.7	ug/kg dry	
Methylcyclohexane	---	U	4.7	ug/kg dry	
1,2-Dichloropropane	---	U J	4.7	ug/kg dry	
Bromodichloromethane	---	U	4.7	ug/kg dry	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: SB-900-A				Sample ID: 1606039-07	
VOA GCMS					
cis-1,3-Dichloropropene	---	U	9.3	ug/kg dry	
trans-1,3-Dichloropropene	---	U	4.7	ug/kg dry	
1,1,2-Trichloroethane	---	U	4.7	ug/kg dry	
Dibromochloromethane	---	U	4.7	ug/kg dry	
Bromoform	---	U	4.7	ug/kg dry	
4-Methyl-2-Pentanone	---	U	9.3	ug/kg dry	
Toluene	---	U	4.7	ug/kg dry	
Tetrachloroethene	---	U	4.7	ug/kg dry	
2-Hexanone	---	U	90	ug/kg dry	
1,2-Dibromoethane	---	U	4.7	ug/kg dry	
Chlorobenzene	---	U	4.7	ug/kg dry	
Ethylbenzene	---	U	4.7	ug/kg dry	
m/p-Xylene	---	U	4.7	ug/kg dry	
o-Xylene	---	U	4.7	ug/kg dry	
Styrene	---	U	4.7	ug/kg dry	
Isopropylbenzene	---	U	4.7	ug/kg dry	
1,1,2,2-Tetrachloroethane	---	U	4.7	ug/kg dry	
1,3-Dichlorobenzene	---	U	4.7	ug/kg dry	
1,4-Dichlorobenzene	---	U	4.7	ug/kg dry	
1,2-Dichlorobenzene	---	U	4.7	ug/kg dry	
1,2-Dibromo-3-Chloropropane	---	U	4.7	ug/kg dry	
1,2,4-Trichlorobenzene	---	U	4.7	ug/kg dry	
1,2,3-Trichlorobenzene	---	U	4.7	ug/kg dry	
NVOA GCMS					
1,4-Dioxane	---	U	69.2	ug/kg dry	
Benzaldehyde	---	U	103	ug/kg dry	
Phenol	---	U	103	ug/kg dry	
Bis(2-Chloroethyl)Ether	---	U	103	ug/kg dry	

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: SB-900-A				Sample ID: 1606039-07	
NVOA GCMS					
2-Chlorophenol	---	U	103	ug/kg dry	
2-Methylphenol	---	U	103	ug/kg dry	
Bis(2-Chloroisopropyl)Ether	---	U	103	ug/kg dry	
Acetophenone	---	U	103	ug/kg dry	
4-Methylphenol	---	U	103	ug/kg dry	
N-Nitroso-Di-N-Propylamine	---	U	103	ug/kg dry	
Hexachloroethane	---	U	103	ug/kg dry	
Nitrobenzene	---	U	103	ug/kg dry	
Isophorone	---	U	103	ug/kg dry	
2-Nitrophenol	---	U	103	ug/kg dry	
2,4-Dimethylphenol	---	U	103	ug/kg dry	
Bis(-2-Chloroethoxy)Methane	---	U	103	ug/kg dry	
2,4-Dichlorophenol	---	U	103	ug/kg dry	
Naphthalene	---	U	103	ug/kg dry	
4-Chloroaniline	---	U	103	ug/kg dry	
Hexachlorobutadiene	---	U	103	ug/kg dry	
Caprolactam	---	U	103	ug/kg dry	
4-Chloro-3-Methylphenol	---	U	103	ug/kg dry	
2-Methylnaphthalene	---	U	103	ug/kg dry	
1,2,4,5-Tetrachlorobenzene	---	U	103	ug/kg dry	
Hexachlorocyclopentadiene	---	U	103	ug/kg dry	
2,4,6-Trichlorophenol	---	U	103	ug/kg dry	
2,4,5-Trichlorophenol	---	U	103	ug/kg dry	
Biphenyl	---	U	103	ug/kg dry	
2-Chloronaphthalene	---	U	103	ug/kg dry	
2-Nitroaniline	---	U	103	ug/kg dry	
Dimethyl Phthalate	192		103	ug/kg dry	
Acenaphthylene	---	U	103	ug/kg dry	

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: SB-900-A					Sample ID: 1606039-07
NVOA GCMS					
2,6-Dinitrotoluene	---	U	103	ug/kg dry	
3-Nitroaniline	---	U	103	ug/kg dry	
Acenaphthene	---	U	103	ug/kg dry	
2,4-Dinitrophenol	---	U J	344	ug/kg dry	
4-Nitrophenol	---	U	103	ug/kg dry	
Dibenzofuran	---	U	103	ug/kg dry	
2,4-Dinitrotoluene	---	U	103	ug/kg dry	
2,3,4,6-Tetrachlorophenol	---	U	103	ug/kg dry	
Fluorene	---	U	103	ug/kg dry	
Diethylphthalate	---	U	103	ug/kg dry	
4-Chlorophenyl-Phenylether	---	U	103	ug/kg dry	
4-Nitroaniline	---	U	103	ug/kg dry	
4,6-Dinitro-2-Methylphenol	---	U	103	ug/kg dry	
N-Nitrosodiphenylamine	---	U	103	ug/kg dry	
4-Bromophenyl-Phenylether	---	U	103	ug/kg dry	
Hexachlorobenzene	---	U	103	ug/kg dry	
Atrazine	---	U	103	ug/kg dry	
Pentachlorophenol	---	U	103	ug/kg dry	
Phenanthrene	---	U	103	ug/kg dry	
Anthracene	---	U	103	ug/kg dry	
Carbazole	---	U	103	ug/kg dry	
Di-N-Butyl Phthalate	---	U	103	ug/kg dry	
Fluoranthene	---	U	103	ug/kg dry	
Pyrene	---	U	103	ug/kg dry	
Butylbenzylphthalate	---	U	103	ug/kg dry	
3,3'- Dichlorobenzidine	---	U	103	ug/kg dry	
Benzo(A)Anthracene	---	U	103	ug/kg dry	
Chrysene	---	U	103	ug/kg dry	

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: SB-900-A				Sample ID: 1606039-07	
NVOA GCMS					
Bis(2-Ethylhexyl)Phthalate	---	U	103	ug/kg dry	
Di-N-Octyl Phthalate	---	U	103	ug/kg dry	
Benzo(B)Fluoranthene	---	U	103	ug/kg dry	
Benzo(K)Fluoranthene	---	U	103	ug/kg dry	
Benzo(A)Pyrene	---	U	103	ug/kg dry	
Indeno(1,2,3-Cd)Pyrene	---	U	103	ug/kg dry	
Dibenzo(A,H)Anthracene	---	U	103	ug/kg dry	
Benzo(G,H,I)Perylene	---	U	103	ug/kg dry	
PCB Aroclors GC					
Aroclor 1016	---	U J	32	ug/kg dry	
Aroclor 1221	---	U J	64	ug/kg dry	
Aroclor 1232	---	U J	32	ug/kg dry	
Aroclor 1242	---	U J	32	ug/kg dry	
Aroclor 1248	---	U J	32	ug/kg dry	
Aroclor 1254	---	U J	32	ug/kg dry	
Aroclor 1260	---	U J	32	ug/kg dry	
Aroclor 1262	---	U J	32	ug/kg dry	
Aroclor 1268	---	U J	32	ug/kg dry	
Metals ICP					
Aluminum	6500		8.4	mg/kg dry	
Antimony	---	U	1.7	mg/kg dry	
Arsenic	3.7		0.67	mg/kg dry	
Barium	12		8.4	mg/kg dry	
Beryllium	---	U	0.25	mg/kg dry	
Cadmium	---	U	0.25	mg/kg dry	
Calcium	230		42	mg/kg dry	
Chromium	7.9		0.42	mg/kg dry	
Cobalt	5.3		1.7	mg/kg dry	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: SB-900-A				Sample ID: 1606039-07	
Metals ICP					
Copper	10		0.84	mg/kg dry	
Iron	12000		4.2	mg/kg dry	
Lead	6.2		0.67	mg/kg dry	
Magnesium	2100		42	mg/kg dry	
Manganese	320		0.42	mg/kg dry	
Nickel	13		1.7	mg/kg dry	
Potassium	300		42	mg/kg dry	
Selenium	---	U	1.7	mg/kg dry	
Silver	---	U	0.42	mg/kg dry	
Sodium	---	U	84	mg/kg dry	
Thallium	---	U	1.7	mg/kg dry	
Tin	---	U	0.84	mg/kg dry	
Vanadium	9.5		1.7	mg/kg dry	
Zinc	31		1.7	mg/kg dry	
Field ID: KR-SB-09-A				Sample ID: 1606039-08	
VOA GCMS					
Dichlorodifluoromethane	---	U	4.4	ug/kg dry	
Chloromethane	---	U	4.4	ug/kg dry	
Vinyl Chloride	---	U	4.4	ug/kg dry	
Bromomethane	---	U J	110	ug/kg dry	
Chloroethane	---	U	4.4	ug/kg dry	
Trichlorofluoromethane	---	U	4.4	ug/kg dry	
1,1-Dichloroethene	---	U	4.4	ug/kg dry	
1,1,2-Trichloro-1,2,2-Trifluoroethane	---	U	4.4	ug/kg dry	
Carbon Disulfide	---	U	4.4	ug/kg dry	
Acetone	18	J	8.9	ug/kg dry	
Methyl Acetate	---	U J	4.4	ug/kg dry	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SB-09-A				Sample ID: 1606039-08	
VOA GCMS					
Methylene Chloride	---	U	4.4	ug/kg dry	
trans-1,2-Dichloroethene	---	U	4.4	ug/kg dry	
cis-1,2-Dichloroethene	---	U	4.4	ug/kg dry	
Methyl tert-Butyl Ether	---	U L	4.4	ug/kg dry	
1,1-Dichloroethane	---	U	4.4	ug/kg dry	
2-Butanone	---	U	8.9	ug/kg dry	
Bromochloromethane	---	U	4.4	ug/kg dry	
Chloroform	---	U	4.4	ug/kg dry	
1,2-Dichloroethane	---	U	4.4	ug/kg dry	
1,1,1-Trichloroethane	---	U	4.4	ug/kg dry	
Cyclohexane	---	U	4.4	ug/kg dry	
Carbon Tetrachloride	---	U	4.4	ug/kg dry	
Benzene	---	U	4.4	ug/kg dry	
Trichloroethene	---	U	4.4	ug/kg dry	
Methylcyclohexane	---	U	4.4	ug/kg dry	
1,2-Dichloropropane	---	U J	4.4	ug/kg dry	
Bromodichloromethane	---	U	4.4	ug/kg dry	
cis-1,3-Dichloropropene	---	U	8.9	ug/kg dry	
trans-1,3-Dichloropropene	---	U	4.4	ug/kg dry	
1,1,2-Trichloroethane	---	U	4.4	ug/kg dry	
Dibromochloromethane	---	U	4.4	ug/kg dry	
Bromoform	---	U	4.4	ug/kg dry	
4-Methyl-2-Pentanone	---	U	8.9	ug/kg dry	
Toluene	---	U	4.4	ug/kg dry	
Tetrachloroethene	11		4.4	ug/kg dry	
2-Hexanone	---	U	86	ug/kg dry	
1,2-Dibromoethane	---	U	4.4	ug/kg dry	
Chlorobenzene	---	U	4.4	ug/kg dry	

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SB-09-A				Sample ID: 1606039-08	
VOA GCMS					
Ethylbenzene	---	U	4.4	ug/kg dry	
m/p-Xylene	---	U	4.4	ug/kg dry	
o-Xylene	---	U	4.4	ug/kg dry	
Styrene	---	U	4.4	ug/kg dry	
Isopropylbenzene	---	U	4.4	ug/kg dry	
1,1,2,2-Tetrachloroethane	---	U	4.4	ug/kg dry	
1,3-Dichlorobenzene	---	U	4.4	ug/kg dry	
1,4-Dichlorobenzene	---	U	4.4	ug/kg dry	
1,2-Dichlorobenzene	---	U	4.4	ug/kg dry	
1,2-Dibromo-3-Chloropropane	---	U	4.4	ug/kg dry	
1,2,4-Trichlorobenzene	---	U	4.4	ug/kg dry	
1,2,3-Trichlorobenzene	---	U	4.4	ug/kg dry	
NVOA GCMS					
1,4-Dioxane	---	U	71.3	ug/kg dry	
Benzaldehyde	---	U	106	ug/kg dry	
Phenol	---	U	106	ug/kg dry	
Bis(2-Chloroethyl)Ether	---	U	106	ug/kg dry	
2-Chlorophenol	---	U	106	ug/kg dry	
2-Methylphenol	---	U	106	ug/kg dry	
Bis(2-Chloroisopropyl)Ether	---	U	106	ug/kg dry	
Acetophenone	---	U	106	ug/kg dry	
4-Methylphenol	---	U	106	ug/kg dry	
N-Nitroso-Di-N-Propylamine	---	U	106	ug/kg dry	
Hexachloroethane	---	U	106	ug/kg dry	
Nitrobenzene	---	U	106	ug/kg dry	
Isophorone	---	U	106	ug/kg dry	
2-Nitrophenol	---	U	106	ug/kg dry	
2,4-Dimethylphenol	---	U	106	ug/kg dry	

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SB-09-A				Sample ID: 1606039-08	
NVOA GCMS					
Bis(-2-Chloroethoxy)Methane	---	U	106	ug/kg dry	
2,4-Dichlorophenol	---	U	106	ug/kg dry	
Naphthalene	---	U	106	ug/kg dry	
4-Chloroaniline	---	U	106	ug/kg dry	
Hexachlorobutadiene	---	U	106	ug/kg dry	
Caprolactam	---	U	106	ug/kg dry	
4-Chloro-3-Methylphenol	---	U	106	ug/kg dry	
2-Methylnaphthalene	---	U	106	ug/kg dry	
1,2,4,5-Tetrachlorobenzene	---	U	106	ug/kg dry	
Hexachlorocyclopentadiene	---	U	106	ug/kg dry	
2,4,6-Trichlorophenol	---	U	106	ug/kg dry	
2,4,5-Trichlorophenol	---	U	106	ug/kg dry	
Biphenyl	---	U	106	ug/kg dry	
2-Chloronaphthalene	---	U	106	ug/kg dry	
2-Nitroaniline	---	U	106	ug/kg dry	
Dimethyl Phthalate	194		106	ug/kg dry	
Acenaphthylene	---	U	106	ug/kg dry	
2,6-Dinitrotoluene	---	U	106	ug/kg dry	
3-Nitroaniline	---	U	106	ug/kg dry	
Acenaphthene	---	U	106	ug/kg dry	
2,4-Dinitrophenol	---	U J	887	ug/kg dry	
4-Nitrophenol	---	U	106	ug/kg dry	
Dibenzofuran	---	U	106	ug/kg dry	
2,4-Dinitrotoluene	---	U	106	ug/kg dry	
2,3,4,6-Tetrachlorophenol	---	U	106	ug/kg dry	
Fluorene	---	U	106	ug/kg dry	
Diethylphthalate	---	U	106	ug/kg dry	
4-Chlorophenyl-Phenylether	---	U	106	ug/kg dry	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SB-09-A				Sample ID: 1606039-08	
NVOA GCMS					
4-Nitroaniline	---	U	106	ug/kg dry	
4,6-Dinitro-2-Methylphenol	---	U	106	ug/kg dry	
N-Nitrosodiphenylamine	---	U	106	ug/kg dry	
4-Bromophenyl-Phenylether	---	U	106	ug/kg dry	
Hexachlorobenzene	---	U	106	ug/kg dry	
Atrazine	---	U	106	ug/kg dry	
Pentachlorophenol	---	U	106	ug/kg dry	
Phenanthrene	---	U	106	ug/kg dry	
Anthracene	---	U	106	ug/kg dry	
Carbazole	---	U	106	ug/kg dry	
Di-N-Butyl Phthalate	---	U	106	ug/kg dry	
Fluoranthene	---	U	106	ug/kg dry	
Pyrene	---	U	106	ug/kg dry	
Butylbenzylphthalate	---	U	106	ug/kg dry	
3,3'- Dichlorobenzidine	---	U	106	ug/kg dry	
Benzo(A)Anthracene	---	U	106	ug/kg dry	
Chrysene	---	U	106	ug/kg dry	
Bis(2-Ethylhexyl)Phthalate	---	U	106	ug/kg dry	
Di-N-Octyl Phthalate	---	U	106	ug/kg dry	
Benzo(B)Fluoranthene	---	U	106	ug/kg dry	
Benzo(K)Fluoranthene	---	U	106	ug/kg dry	
Benzo(A)Pyrene	---	U	106	ug/kg dry	
Indeno(1,2,3-Cd)Pyrene	---	U	106	ug/kg dry	
Dibenzo(A,H)Anthracene	---	U	106	ug/kg dry	
Benzo(G,H,I)Perylene	---	U	106	ug/kg dry	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SB-09-A				Sample ID: 1606039-08	
PCB Aroclors GC					
Aroclor 1016	---	U J	33	ug/kg dry	
Aroclor 1221	---	U J	66	ug/kg dry	
Aroclor 1232	---	U J	33	ug/kg dry	
Aroclor 1242	---	U J	33	ug/kg dry	
Aroclor 1248	---	U J	33	ug/kg dry	
Aroclor 1254	---	U J	33	ug/kg dry	
Aroclor 1260	---	U J	33	ug/kg dry	
Aroclor 1262	---	U J	33	ug/kg dry	
Aroclor 1268	---	U J	33	ug/kg dry	
Metals ICP					
Aluminum	7200		8.8	mg/kg dry	
Antimony	---	U	1.8	mg/kg dry	
Arsenic	2.9		0.70	mg/kg dry	
Barium	43		8.8	mg/kg dry	
Beryllium	---	U	0.26	mg/kg dry	
Cadmium	---	U	0.26	mg/kg dry	
Calcium	590		44	mg/kg dry	
Chromium	7.5		0.44	mg/kg dry	
Cobalt	4.5		1.8	mg/kg dry	
Copper	7.8		0.88	mg/kg dry	
Iron	11000		4.4	mg/kg dry	
Lead	6.7		0.70	mg/kg dry	
Magnesium	1500		44	mg/kg dry	
Manganese	420		0.44	mg/kg dry	
Nickel	10		1.8	mg/kg dry	
Potassium	340		44	mg/kg dry	
Selenium	---	U	1.8	mg/kg dry	

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SB-09-A				Sample ID: 1606039-08	
Metals ICP					
Silver	---	U	0.44	mg/kg dry	
Sodium	---	U	88	mg/kg dry	
Thallium	---	U	1.8	mg/kg dry	
Tin	---	U	0.88	mg/kg dry	
Vanadium	10		1.8	mg/kg dry	
Zinc	28		1.8	mg/kg dry	
Field ID: KR-SB-11-A				Sample ID: 1606039-09	
VOA GCMS					
Dichlorodifluoromethane	---	U	4.7	ug/kg dry	
Chloromethane	---	U	4.7	ug/kg dry	
Vinyl Chloride	---	U	4.7	ug/kg dry	
Bromomethane	---	U J	120	ug/kg dry	
Chloroethane	---	U	4.7	ug/kg dry	
Trichlorofluoromethane	---	U	4.7	ug/kg dry	
1,1-Dichloroethene	---	U	4.7	ug/kg dry	
1,1,2-Trichloro-1,2,2-Trifluoroethane	---	U	4.7	ug/kg dry	
Carbon Disulfide	---	U	4.7	ug/kg dry	
Acetone	22	J	9.3	ug/kg dry	
Methyl Acetate	---	U J	4.7	ug/kg dry	
Methylene Chloride	---	U	4.7	ug/kg dry	
trans-1,2-Dichloroethene	---	U	4.7	ug/kg dry	
cis-1,2-Dichloroethene	---	U	4.7	ug/kg dry	
Methyl tert-Butyl Ether	---	U L	4.7	ug/kg dry	
1,1-Dichloroethane	---	U	4.7	ug/kg dry	
2-Butanone	---	U	9.3	ug/kg dry	
Bromochloromethane	---	U	4.7	ug/kg dry	
Chloroform	---	U	4.7	ug/kg dry	
1,2-Dichloroethane	---	U	4.7	ug/kg dry	

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SB-11-A				Sample ID: 1606039-09	
VOA GCMS					
1,1,1-Trichloroethane	---	U	4.7	ug/kg dry	
Cyclohexane	---	U	4.7	ug/kg dry	
Carbon Tetrachloride	---	U	4.7	ug/kg dry	
Benzene	---	U	4.7	ug/kg dry	
Trichloroethene	---	U	4.7	ug/kg dry	
Methylcyclohexane	---	U	4.7	ug/kg dry	
1,2-Dichloropropane	---	U J	4.7	ug/kg dry	
Bromodichloromethane	---	U	4.7	ug/kg dry	
cis-1,3-Dichloropropene	---	U	9.3	ug/kg dry	
trans-1,3-Dichloropropene	---	U	4.7	ug/kg dry	
1,1,2-Trichloroethane	---	U	4.7	ug/kg dry	
Dibromochloromethane	---	U	4.7	ug/kg dry	
Bromoform	---	U	4.7	ug/kg dry	
4-Methyl-2-Pentanone	---	U	9.3	ug/kg dry	
Toluene	---	U	4.7	ug/kg dry	
Tetrachloroethene	1600		49	ug/kg dry	
2-Hexanone	---	U	91	ug/kg dry	
1,2-Dibromoethane	---	U	4.7	ug/kg dry	
Chlorobenzene	---	U	4.7	ug/kg dry	
Ethylbenzene	---	U	4.7	ug/kg dry	
m/p-Xylene	---	U	4.7	ug/kg dry	
o-Xylene	---	U	4.7	ug/kg dry	
Styrene	---	U	4.7	ug/kg dry	
Isopropylbenzene	---	U	4.7	ug/kg dry	
1,1,2,2-Tetrachloroethane	---	U	4.7	ug/kg dry	
1,3-Dichlorobenzene	---	U	4.7	ug/kg dry	
1,4-Dichlorobenzene	---	U	4.7	ug/kg dry	
1,2-Dichlorobenzene	---	U	4.7	ug/kg dry	

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SB-11-A				Sample ID: 1606039-09	
VOA GCMS					
1,2-Dibromo-3-Chloropropane	---	U	4.7	ug/kg dry	
1,2,4-Trichlorobenzene	---	U	4.7	ug/kg dry	
1,2,3-Trichlorobenzene	---	U	4.7	ug/kg dry	
NVOA GCMS					
1,4-Dioxane	---	U	72.5	ug/kg dry	
Benzaldehyde	---	U	108	ug/kg dry	
Phenol	---	U	108	ug/kg dry	
Bis(2-Chloroethyl)Ether	---	U	108	ug/kg dry	
2-Chlorophenol	---	U	108	ug/kg dry	
2-Methylphenol	---	U	108	ug/kg dry	
Bis(2-Chloroisopropyl)Ether	---	U	108	ug/kg dry	
Acetophenone	---	U	108	ug/kg dry	
4-Methylphenol	---	U	108	ug/kg dry	
N-Nitroso-Di-N-Propylamine	---	U	108	ug/kg dry	
Hexachloroethane	---	U	108	ug/kg dry	
Nitrobenzene	---	U	108	ug/kg dry	
Isophorone	---	U	108	ug/kg dry	
2-Nitrophenol	---	U	108	ug/kg dry	
2,4-Dimethylphenol	---	U	108	ug/kg dry	
Bis(-2-Chloroethoxy)Methane	---	U	108	ug/kg dry	
2,4-Dichlorophenol	---	U	108	ug/kg dry	
Naphthalene	406		108	ug/kg dry	
4-Chloroaniline	---	U	108	ug/kg dry	
Hexachlorobutadiene	---	U	108	ug/kg dry	
Caprolactam	---	U	108	ug/kg dry	
4-Chloro-3-Methylphenol	---	U	108	ug/kg dry	
2-Methylnaphthalene	414		108	ug/kg dry	
1,2,4,5-Tetrachlorobenzene	---	U	108	ug/kg dry	

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SB-11-A				Sample ID: 1606039-09	
NVOA GCMS					
Hexachlorocyclopentadiene	---	U	108	ug/kg dry	
2,4,6-Trichlorophenol	---	U	108	ug/kg dry	
2,4,5-Trichlorophenol	---	U	108	ug/kg dry	
Biphenyl	---	U	108	ug/kg dry	
2-Chloronaphthalene	---	U	108	ug/kg dry	
2-Nitroaniline	---	U	108	ug/kg dry	
Dimethyl Phthalate	215		108	ug/kg dry	
Acenaphthylene	400		108	ug/kg dry	
2,6-Dinitrotoluene	---	U	108	ug/kg dry	
3-Nitroaniline	---	U	108	ug/kg dry	
Acenaphthene	---	U	108	ug/kg dry	
2,4-Dinitrophenol	---	U J	901	ug/kg dry	
4-Nitrophenol	---	U	108	ug/kg dry	
Dibenzofuran	203		108	ug/kg dry	
2,4-Dinitrotoluene	---	U	108	ug/kg dry	
2,3,4,6-Tetrachlorophenol	---	U	108	ug/kg dry	
Fluorene	---	U	108	ug/kg dry	
Diethylphthalate	---	U	108	ug/kg dry	
4-Chlorophenyl-Phenylether	---	U	108	ug/kg dry	
4-Nitroaniline	---	U	108	ug/kg dry	
4,6-Dinitro-2-Methylphenol	---	U	108	ug/kg dry	
N-Nitrosodiphenylamine	---	U	108	ug/kg dry	
4-Bromophenyl-Phenylether	---	U	108	ug/kg dry	
Hexachlorobenzene	---	U	108	ug/kg dry	
Atrazine	---	U	108	ug/kg dry	
Pentachlorophenol	---	U	108	ug/kg dry	
Phenanthrene	699		108	ug/kg dry	
Anthracene	272		108	ug/kg dry	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SB-11-A				Sample ID: 1606039-09	
NVOA GCMS					
Carbazole	---	U	108	ug/kg dry	
Di-N-Butyl Phthalate	---	U	108	ug/kg dry	
Fluoranthene	2520		108	ug/kg dry	
Pyrene	2070		108	ug/kg dry	
Butylbenzylphthalate	---	U	108	ug/kg dry	
3,3'- Dichlorobenzidine	---	U	108	ug/kg dry	
Benzo(A)Anthracene	1920		108	ug/kg dry	
Chrysene	1950		108	ug/kg dry	
Bis(2-Ethylhexyl)Phthalate	---	U	108	ug/kg dry	
Di-N-Octyl Phthalate	---	U	108	ug/kg dry	
Benzo(B)Fluoranthene	2720		108	ug/kg dry	
Benzo(K)Fluoranthene	947		108	ug/kg dry	
Benzo(A)Pyrene	1510		108	ug/kg dry	
Indeno(1,2,3-Cd)Pyrene	1090		108	ug/kg dry	
Dibenzo(A,H)Anthracene	297		108	ug/kg dry	
Benzo(G,H,I)Perylene	793		108	ug/kg dry	
11H-Benzo[a]fluoren-11-one	950	NJ		ug/kg dry	
11H-Benzo[b]fluorene	1260	NJ		ug/kg dry	
Benz[a]anthracene, 7-methyl-	922	NJ		ug/kg dry	
Heptadecane, 2,6-dimethyl-	1960	NJ		ug/kg dry	
Hexadecane, 2,6,10,14-tetra...	1170	NJ		ug/kg dry	
Hexanoic acid, 2-ethyl-	4160	NJ		ug/kg dry	
Phenanthrene, 2,5-dimethyl-	743	NJ		ug/kg dry	
Phenanthrene, 2-methyl-	762	NJ		ug/kg dry	
Tetrachloroethylene	4930	NJ		ug/kg dry	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SB-11-A				Sample ID: 1606039-09	
PCB Aroclors GC					
Aroclor 1016	---	U J	34	ug/kg dry	
Aroclor 1221	---	U J	67	ug/kg dry	
Aroclor 1232	---	U J	34	ug/kg dry	
Aroclor 1242	---	U J	34	ug/kg dry	
Aroclor 1248	---	U J	34	ug/kg dry	
Aroclor 1254	---	U J	34	ug/kg dry	
Aroclor 1260	---	U J	34	ug/kg dry	
Aroclor 1262	---	U J	34	ug/kg dry	
Aroclor 1268	---	U J	34	ug/kg dry	
Metals ICP					
Aluminum	5400		8.8	mg/kg dry	
Antimony	4.1		1.8	mg/kg dry	
Arsenic	8.0		0.71	mg/kg dry	
Barium	44		8.8	mg/kg dry	
Beryllium	0.28		0.26	mg/kg dry	
Cadmium	---	U	0.26	mg/kg dry	
Calcium	1300		44	mg/kg dry	
Chromium	9.6		0.44	mg/kg dry	
Cobalt	6.4		1.8	mg/kg dry	
Copper	64		0.88	mg/kg dry	
Iron	19000		4.4	mg/kg dry	
Lead	79		0.71	mg/kg dry	
Magnesium	1600		44	mg/kg dry	
Manganese	370		0.44	mg/kg dry	
Nickel	16		1.8	mg/kg dry	
Potassium	320		44	mg/kg dry	
Selenium	---	U	1.8	mg/kg dry	

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SB-11-A				Sample ID: 1606039-09	
Metals ICP					
Silver	---	U	0.44	mg/kg dry	
Sodium	---	U	88	mg/kg dry	
Thallium	---	U	1.8	mg/kg dry	
Tin	8.8		0.88	mg/kg dry	
Vanadium	10		1.8	mg/kg dry	
Zinc	38		1.8	mg/kg dry	
Field ID: KR-SS-09-A				Sample ID: 1606039-10	
NVOA GCMS					
1,4-Dioxane	---	U	70.1	ug/kg dry	
Benzaldehyde	---	U	105	ug/kg dry	
Phenol	---	U	105	ug/kg dry	
Bis(2-Chloroethyl)Ether	---	U	105	ug/kg dry	
2-Chlorophenol	---	U	105	ug/kg dry	
2-Methylphenol	---	U	105	ug/kg dry	
Bis(2-Chloroisopropyl)Ether	---	U	105	ug/kg dry	
Acetophenone	---	U	105	ug/kg dry	
4-Methylphenol	---	U	105	ug/kg dry	
N-Nitroso-Di-N-Propylamine	---	U	105	ug/kg dry	
Hexachloroethane	---	U	105	ug/kg dry	
Nitrobenzene	---	U	105	ug/kg dry	
Isophorone	---	U	105	ug/kg dry	
2-Nitrophenol	---	U	105	ug/kg dry	
2,4-Dimethylphenol	---	U	105	ug/kg dry	
Bis(-2-Chloroethoxy)Methane	---	U	105	ug/kg dry	
2,4-Dichlorophenol	---	U	105	ug/kg dry	
Naphthalene	---	U	105	ug/kg dry	
4-Chloroaniline	---	U	105	ug/kg dry	
Hexachlorobutadiene	---	U	105	ug/kg dry	

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SS-09-A				Sample ID: 1606039-10	
NVOA GCMS					
Caprolactam	---	U	105	ug/kg dry	
4-Chloro-3-Methylphenol	---	U	105	ug/kg dry	
2-Methylnaphthalene	---	U	105	ug/kg dry	
1,2,4,5-Tetrachlorobenzene	---	U	105	ug/kg dry	
Hexachlorocyclopentadiene	---	U	105	ug/kg dry	
2,4,6-Trichlorophenol	---	U	105	ug/kg dry	
2,4,5-Trichlorophenol	---	U	105	ug/kg dry	
Biphenyl	---	U	105	ug/kg dry	
2-Chloronaphthalene	---	U	105	ug/kg dry	
2-Nitroaniline	---	U	105	ug/kg dry	
Dimethyl Phthalate	116		105	ug/kg dry	
Acenaphthylene	108		105	ug/kg dry	
2,6-Dinitrotoluene	---	U	105	ug/kg dry	
3-Nitroaniline	---	U	105	ug/kg dry	
Acenaphthene	108		105	ug/kg dry	
2,4-Dinitrophenol	---	U J	872	ug/kg dry	
4-Nitrophenol	---	U	105	ug/kg dry	
Dibenzofuran	---	U	105	ug/kg dry	
2,4-Dinitrotoluene	---	U	105	ug/kg dry	
2,3,4,6-Tetrachlorophenol	---	U	105	ug/kg dry	
Fluorene	192		105	ug/kg dry	
Diethylphthalate	---	U	105	ug/kg dry	
4-Chlorophenyl-Phenylether	---	U	105	ug/kg dry	
4-Nitroaniline	---	U	105	ug/kg dry	
4,6-Dinitro-2-Methylphenol	---	U	105	ug/kg dry	
N-Nitrosodiphenylamine	---	U	105	ug/kg dry	
4-Bromophenyl-Phenylether	---	U	105	ug/kg dry	
Hexachlorobenzene	---	U	105	ug/kg dry	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SS-09-A				Sample ID: 1606039-10	
NVOA GCMS					
Atrazine	---	U	105	ug/kg dry	
Pentachlorophenol	---	U	105	ug/kg dry	
Phenanthrene	2960		105	ug/kg dry	
Anthracene	1980		105	ug/kg dry	
Carbazole	344		105	ug/kg dry	
Di-N-Butyl Phthalate	---	U	105	ug/kg dry	
Fluoranthene	8210		523	ug/kg dry	
Pyrene	6050		523	ug/kg dry	
Butylbenzylphthalate	---	U	105	ug/kg dry	
3,3'- Dichlorobenzidine	---	U	105	ug/kg dry	
Benzo(A)Anthracene	2950		105	ug/kg dry	
Chrysene	3750		523	ug/kg dry	
Bis(2-Ethylhexyl)Phthalate	---	U	105	ug/kg dry	
Di-N-Octyl Phthalate	---	U	105	ug/kg dry	
Benzo(B)Fluoranthene	3600		523	ug/kg dry	
Benzo(K)Fluoranthene	1220		105	ug/kg dry	
Benzo(A)Pyrene	1580		105	ug/kg dry	
Indeno(1,2,3-Cd)Pyrene	876		105	ug/kg dry	
Dibenzo(A,H)Anthracene	216		105	ug/kg dry	
Benzo(G,H,I)Perylene	627		105	ug/kg dry	
11H-Benzo[a]fluoren-11-one (01)	1420	NJ		ug/kg dry	
11H-Benzo[b]fluorene	1500	NJ		ug/kg dry	
4H-Cyclopenta[def]phenanthrene	1340	NJ		ug/kg dry	
Benzo[b]naphtho[2,3-d]thiop...	888	NJ		ug/kg dry	
Phenanthrene, 2-methyl-	895	NJ		ug/kg dry	
Pyrene, 1-methyl-	1060	NJ		ug/kg dry	

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SS-09-A				Sample ID: 1606039-10	
PCB Aroclors GC					
Aroclor 1016	---	U J	32	ug/kg dry	
Aroclor 1221	---	U J	65	ug/kg dry	
Aroclor 1232	---	U J	32	ug/kg dry	
Aroclor 1242	---	U J	32	ug/kg dry	
Aroclor 1248	---	U J	32	ug/kg dry	
Aroclor 1254	---	U J	32	ug/kg dry	
Aroclor 1260	---	U J	32	ug/kg dry	
Aroclor 1262	---	U J	32	ug/kg dry	
Aroclor 1268	---	U J	32	ug/kg dry	
Metals ICP					
Aluminum	5700		8.6	mg/kg dry	
Antimony	3.7		1.7	mg/kg dry	
Arsenic	7.2		0.69	mg/kg dry	
Barium	46		8.6	mg/kg dry	
Beryllium	0.28		0.26	mg/kg dry	
Cadmium	0.36		0.26	mg/kg dry	
Calcium	11000		43	mg/kg dry	
Chromium	9.4		0.43	mg/kg dry	
Cobalt	6.6		1.7	mg/kg dry	
Copper	77		0.86	mg/kg dry	
Iron	20000		4.3	mg/kg dry	
Lead	170		0.69	mg/kg dry	
Magnesium	2000		43	mg/kg dry	
Manganese	410		0.43	mg/kg dry	
Nickel	15		1.7	mg/kg dry	
Potassium	390		43	mg/kg dry	
Selenium	---	U	1.7	mg/kg dry	

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-SS-09-A				Sample ID: 1606039-10	
Metals ICP					
Silver	---	U	0.43	mg/kg dry	
Sodium	---	U	86	mg/kg dry	
Thallium	---	U	1.7	mg/kg dry	
Tin	10		0.86	mg/kg dry	
Vanadium	11		1.7	mg/kg dry	
Zinc	58		1.7	mg/kg dry	
Field ID: SB-900-B				Sample ID: 1606039-11	
VOA GCMS					
Dichlorodifluoromethane	---	U	6.0	ug/kg dry	
Chloromethane	6.3		6.0	ug/kg dry	
Vinyl Chloride	---	U	6.0	ug/kg dry	
Bromomethane	---	U J	150	ug/kg dry	
Chloroethane	---	U	6.0	ug/kg dry	
Trichlorofluoromethane	---	U	6.0	ug/kg dry	
1,1-Dichloroethene	---	U	6.0	ug/kg dry	
1,1,2-Trichloro-1,2,2-Trifluoroethane	---	U	6.0	ug/kg dry	
Carbon Disulfide	---	U	6.0	ug/kg dry	
Acetone	33	J	12	ug/kg dry	
Methyl Acetate	6.1	J	6.0	ug/kg dry	
Methylene Chloride	---	U	6.0	ug/kg dry	
trans-1,2-Dichloroethene	---	U	6.0	ug/kg dry	
cis-1,2-Dichloroethene	---	U	6.0	ug/kg dry	
Methyl tert-Butyl Ether	---	U L	6.0	ug/kg dry	
1,1-Dichloroethane	---	U	6.0	ug/kg dry	
2-Butanone	---	U	12	ug/kg dry	
Bromochloromethane	---	U	6.0	ug/kg dry	
Chloroform	---	U	6.0	ug/kg dry	

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: SB-900-B				Sample ID: 1606039-11	
VOA GCMS					
1,2-Dichloroethane	---	U	6.0	ug/kg dry	
1,1,1-Trichloroethane	---	U	6.0	ug/kg dry	
Cyclohexane	---	U	6.0	ug/kg dry	
Carbon Tetrachloride	---	U	6.0	ug/kg dry	
Benzene	---	U	6.0	ug/kg dry	
Trichloroethene	11		6.0	ug/kg dry	
Methylcyclohexane	---	U	6.0	ug/kg dry	
1,2-Dichloropropane	---	U J	6.0	ug/kg dry	
Bromodichloromethane	---	U	6.0	ug/kg dry	
cis-1,3-Dichloropropene	---	U	12	ug/kg dry	
trans-1,3-Dichloropropene	---	U	6.0	ug/kg dry	
1,1,2-Trichloroethane	---	U	6.0	ug/kg dry	
Dibromochloromethane	---	U	6.0	ug/kg dry	
Bromoform	---	U	6.0	ug/kg dry	
4-Methyl-2-Pentanone	---	U J	12	ug/kg dry	
Toluene	---	U J	6.0	ug/kg dry	
Tetrachloroethene	830	K	33	ug/kg dry	
2-Hexanone	---	U J	120	ug/kg dry	
1,2-Dibromoethane	---	U J	6.0	ug/kg dry	
Chlorobenzene	---	U J	6.0	ug/kg dry	
Ethylbenzene	---	U J	6.0	ug/kg dry	
m/p-Xylene	---	U J	6.0	ug/kg dry	
o-Xylene	---	U J	6.0	ug/kg dry	
Styrene	---	U J	6.0	ug/kg dry	
Isopropylbenzene	---	U J	6.0	ug/kg dry	
1,1,2,2-Tetrachloroethane	---	U J	6.0	ug/kg dry	
1,3-Dichlorobenzene	---	U J	6.0	ug/kg dry	
1,4-Dichlorobenzene	---	U J	6.0	ug/kg dry	

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: SB-900-B				Sample ID: 1606039-11	
VOA GCMS					
1,2-Dichlorobenzene	---	U J	6.0	ug/kg dry	
1,2-Dibromo-3-Chloropropane	---	U J	6.0	ug/kg dry	
1,2,4-Trichlorobenzene	---	U J	6.0	ug/kg dry	
1,2,3-Trichlorobenzene	---	U J	6.0	ug/kg dry	
NVOA GCMS					
1,4-Dioxane	---	U	72.5	ug/kg dry	
Benzaldehyde	---	U	108	ug/kg dry	
Phenol	---	U	108	ug/kg dry	
Bis(2-Chloroethyl)Ether	---	U	108	ug/kg dry	
2-Chlorophenol	---	U	108	ug/kg dry	
2-Methylphenol	---	U	108	ug/kg dry	
Bis(2-Chloroisopropyl)Ether	---	U	108	ug/kg dry	
Acetophenone	---	U	108	ug/kg dry	
4-Methylphenol	---	U	108	ug/kg dry	
N-Nitroso-Di-N-Propylamine	---	U	108	ug/kg dry	
Hexachloroethane	---	U	108	ug/kg dry	
Nitrobenzene	---	U	108	ug/kg dry	
Isophorone	---	U	108	ug/kg dry	
2-Nitrophenol	---	U	108	ug/kg dry	
2,4-Dimethylphenol	---	U	108	ug/kg dry	
Bis(-2-Chloroethoxy)Methane	---	U	108	ug/kg dry	
2,4-Dichlorophenol	---	U	108	ug/kg dry	
Naphthalene	300		108	ug/kg dry	
4-Chloroaniline	---	U	108	ug/kg dry	
Hexachlorobutadiene	---	U	108	ug/kg dry	
Caprolactam	---	U	108	ug/kg dry	
4-Chloro-3-Methylphenol	---	U	108	ug/kg dry	
2-Methylnaphthalene	280		108	ug/kg dry	

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: SB-900-B				Sample ID: 1606039-11	
NVOA GCMS					
1,2,4,5-Tetrachlorobenzene	---	U	108	ug/kg dry	
Hexachlorocyclopentadiene	---	U	108	ug/kg dry	
2,4,6-Trichlorophenol	---	U	108	ug/kg dry	
2,4,5-Trichlorophenol	---	U	108	ug/kg dry	
Biphenyl	---	U	108	ug/kg dry	
2-Chloronaphthalene	---	U	108	ug/kg dry	
2-Nitroaniline	---	U	108	ug/kg dry	
Dimethyl Phthalate	142		108	ug/kg dry	
Acenaphthylene	395		108	ug/kg dry	
2,6-Dinitrotoluene	---	U	108	ug/kg dry	
3-Nitroaniline	---	U	108	ug/kg dry	
Acenaphthene	---	U	108	ug/kg dry	
2,4-Dinitrophenol	---	U J	902	ug/kg dry	
4-Nitrophenol	---	U	108	ug/kg dry	
Dibenzofuran	175		108	ug/kg dry	
2,4-Dinitrotoluene	---	U	108	ug/kg dry	
2,3,4,6-Tetrachlorophenol	---	U	108	ug/kg dry	
Fluorene	---	U	108	ug/kg dry	
Diethylphthalate	---	U	108	ug/kg dry	
4-Chlorophenyl-Phenylether	---	U	108	ug/kg dry	
4-Nitroaniline	---	U	108	ug/kg dry	
4,6-Dinitro-2-Methylphenol	---	U	108	ug/kg dry	
N-Nitrosodiphenylamine	---	U	108	ug/kg dry	
4-Bromophenyl-Phenylether	---	U	108	ug/kg dry	
Hexachlorobenzene	---	U	108	ug/kg dry	
Atrazine	---	U	108	ug/kg dry	
Pentachlorophenol	---	U	108	ug/kg dry	
Phenanthrene	793		108	ug/kg dry	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: SB-900-B				Sample ID: 1606039-11	
NVOA GCMS					
Anthracene	311		108	ug/kg dry	
Carbazole	---	U	108	ug/kg dry	
Di-N-Butyl Phthalate	---	U	108	ug/kg dry	
Fluoranthene	2780		108	ug/kg dry	
Pyrene	2290		108	ug/kg dry	
Butylbenzylphthalate	---	U	108	ug/kg dry	
3,3'- Dichlorobenzidine	---	U	108	ug/kg dry	
Benzo(A)Anthracene	2040		108	ug/kg dry	
Chrysene	1900		108	ug/kg dry	
Bis(2-Ethylhexyl)Phthalate	---	U	108	ug/kg dry	
Di-N-Octyl Phthalate	---	U	108	ug/kg dry	
Benzo(B)Fluoranthene	2910		108	ug/kg dry	
Benzo(K)Fluoranthene	866		108	ug/kg dry	
Benzo(A)Pyrene	1500		108	ug/kg dry	
Indeno(1,2,3-Cd)Pyrene	1010		108	ug/kg dry	
Dibenzo(A,H)Anthracene	277		108	ug/kg dry	
Benzo(G,H,I)Perylene	686		108	ug/kg dry	
11H-Benzo[a]fluoren-11-one	1020	NJ		ug/kg dry	
11H-Benzo[b]fluorene	1230	NJ		ug/kg dry	
Heptadecane, 2,6-dimethyl-	2370	NJ		ug/kg dry	
Heptadecane, 4-methyl-	710	NJ		ug/kg dry	
Hexadecane, 2,6,10,14-tetra...	1820	NJ		ug/kg dry	
Hexanoic acid, 2-ethyl-	2850	NJ		ug/kg dry	
Phenanthrene, 2-methyl-	706	NJ		ug/kg dry	
Tetrachloroethylene	1760	NJ		ug/kg dry	
Triphenylene, 2-methyl-	1010	NJ		ug/kg dry	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: SB-900-B				Sample ID: 1606039-11	
PCB Aroclors GC					
Aroclor 1016	---	U J	34	ug/kg dry	
Aroclor 1221	---	U J	67	ug/kg dry	
Aroclor 1232	---	U J	34	ug/kg dry	
Aroclor 1242	---	U J	34	ug/kg dry	
Aroclor 1248	---	U J	34	ug/kg dry	
Aroclor 1254	---	U J	34	ug/kg dry	
Aroclor 1260	---	U J	34	ug/kg dry	
Aroclor 1262	---	U J	34	ug/kg dry	
Aroclor 1268	---	U J	34	ug/kg dry	
Metals ICP					
Aluminum	5500		8.0	mg/kg dry	
Antimony	3.8		1.6	mg/kg dry	
Arsenic	6.2		0.64	mg/kg dry	
Barium	50		8.0	mg/kg dry	
Beryllium	0.29		0.24	mg/kg dry	
Cadmium	---	U	0.24	mg/kg dry	
Calcium	1100		40	mg/kg dry	
Chromium	9.6		0.40	mg/kg dry	
Cobalt	6.6		1.6	mg/kg dry	
Copper	63		0.80	mg/kg dry	
Iron	19000		4.0	mg/kg dry	
Lead	76		0.64	mg/kg dry	
Magnesium	1500		40	mg/kg dry	
Manganese	420		0.40	mg/kg dry	
Nickel	17		1.6	mg/kg dry	
Potassium	320		40	mg/kg dry	
Selenium	---	U	1.6	mg/kg dry	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: SB-900-B				Sample ID: 1606039-11	
Metals ICP					
Silver	---	U	0.40	mg/kg dry	
Sodium	---	U	80	mg/kg dry	
Thallium	---	U	1.6	mg/kg dry	
Tin	8.3		0.80	mg/kg dry	
Vanadium	10		1.6	mg/kg dry	
Zinc	38		1.6	mg/kg dry	
Field ID: FB-SB-A				Sample ID: 1606039-12	
VOA-TRACE GCMS					
Dichlorodifluoromethane	---	U	0.50	ug/L	
Chloromethane	---	U	0.50	ug/L	
Vinyl Chloride	---	U	0.50	ug/L	
Bromomethane	---	U	0.50	ug/L	
Chloroethane	---	U	0.50	ug/L	
Trichlorofluoromethane	---	U	0.50	ug/L	
1,1-Dichloroethene	---	U	0.50	ug/L	
1,1,2-Trichloro-1,2,2-Trifluoroethane	---	U	0.50	ug/L	
Carbon Disulfide	---	U	0.50	ug/L	
Acetone	43		5.0	ug/L	
Methyl Acetate	---	U	0.50	ug/L	
Methylene Chloride	---	U	0.50	ug/L	
trans-1,2-Dichloroethene	---	U	0.50	ug/L	
Methyl tert-Butyl Ether	---	U	0.50	ug/L	
1,1-Dichloroethane	---	U	0.50	ug/L	
cis-1,2-Dichloroethene	---	U	0.50	ug/L	
2-Butanone	---	U	5.0	ug/L	
Bromochloromethane	---	U	0.50	ug/L	
Chloroform	---	U	0.50	ug/L	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: FB-SB-A				Sample ID: 1606039-12	
VOA-TRACE GCMS					
1,1,1-Trichloroethane	---	U	0.50	ug/L	
Cyclohexane	---	U	0.50	ug/L	
Carbon Tetrachloride	---	U	0.50	ug/L	
Benzene	---	U	0.50	ug/L	
1,2-Dichloroethane	---	U	0.50	ug/L	
Trichloroethene	---	U	0.50	ug/L	
1,2-Dichloropropane	---	U	0.50	ug/L	
Bromodichloromethane	---	U	0.50	ug/L	
cis-1,3-Dichloropropene	---	U	0.50	ug/L	
4-Methyl-2-Pentanone	---	U	5.0	ug/L	
Toluene	---	U	0.50	ug/L	
trans-1,3-Dichloropropene	---	U	0.50	ug/L	
1,1,2-Trichloroethane	---	U	0.50	ug/L	
Tetrachloroethene	---	U	0.50	ug/L	
Methylcyclohexane	---	U	0.50	ug/L	
Dibromochloromethane	---	U	0.50	ug/L	
1,2-Dibromoethane	---	U	0.50	ug/L	
2-Hexanone	---	U	5.0	ug/L	
Chlorobenzene	---	U	0.50	ug/L	
Ethylbenzene	---	U	0.50	ug/L	
m/p-Xylene	---	U J	0.50	ug/L	
o-Xylene	---	U	0.50	ug/L	
Styrene	---	U	0.50	ug/L	
Bromoform	---	U	0.50	ug/L	
Isopropylbenzene	---	U	0.50	ug/L	
1,1,2,2-Tetrachloroethane	---	U	0.50	ug/L	
1,3-Dichlorobenzene	---	U	0.50	ug/L	
1,4-Dichlorobenzene	---	U	0.50	ug/L	

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: FB-SB-A				Sample ID: 1606039-12	
VOA-TRACE GCMS					
1,2-Dichlorobenzene	---	U	0.50	ug/L	
1,2-Dibromo-3-Chloropropane	---	U	0.50	ug/L	
1,2,4-Trichlorobenzene	---	U	0.50	ug/L	
1,2,3-Trichlorobenzene	---	U	0.50	ug/L	
NVOA GCMS					
1,4-Dioxane	---	U	2.1	ug/L	
Benzaldehyde	---	U	5.3	ug/L	
Phenol	---	U	5.3	ug/L	
Bis(2-Chloroethyl)Ether	---	U	5.3	ug/L	
2-Chlorophenol	---	U	5.3	ug/L	
2-Methylphenol	---	U	5.3	ug/L	
Bis(2-Chloroisopropyl)Ether	---	U	5.3	ug/L	
Acetophenone	---	U	5.3	ug/L	
4-Methylphenol	---	U	5.3	ug/L	
N-Nitroso-Di-N-Propylamine	---	U	5.3	ug/L	
Hexachloroethane	---	U	5.3	ug/L	
Nitrobenzene	---	U	5.3	ug/L	
Isophorone	---	U	5.3	ug/L	
2-Nitrophenol	---	U	5.3	ug/L	
2,4-Dimethylphenol	---	U	5.3	ug/L	
Bis(-2-Chloroethoxy)Methane	---	U	5.3	ug/L	
2,4-Dichlorophenol	---	U	5.3	ug/L	
Naphthalene	---	U	5.3	ug/L	
4-Chloroaniline	---	U	5.3	ug/L	
Hexachlorobutadiene	---	U	5.3	ug/L	
Caprolactam	---	U	5.3	ug/L	
4-Chloro-3-Methylphenol	---	U	5.3	ug/L	
2-Methylnaphthalene	---	U	5.3	ug/L	

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: FB-SB-A				Sample ID: 1606039-12	
NVOA GCMS					
1,2,4,5-Tetrachlorobenzene	---	U	5.3	ug/L	
Hexachlorocyclopentadiene	---	U	5.3	ug/L	
2,4,6-Trichlorophenol	---	U	5.3	ug/L	
2,4,5-Trichlorophenol	---	U	5.3	ug/L	
Biphenyl	---	U	5.3	ug/L	
2-Chloronaphthalene	---	U	5.3	ug/L	
2-Nitroaniline	---	U	5.3	ug/L	
Dimethyl Phthalate	---	U	5.3	ug/L	
Acenaphthylene	---	U	5.3	ug/L	
2,6-Dinitrotoluene	---	U	5.3	ug/L	
3-Nitroaniline	---	U	5.3	ug/L	
Acenaphthene	---	U	5.3	ug/L	
2,4-Dinitrophenol	---	U	27	ug/L	
4-Nitrophenol	---	U	5.3	ug/L	
Dibenzofuran	---	U	5.3	ug/L	
2,4-Dinitrotoluene	---	U	5.3	ug/L	
2,3,4,6-Tetrachlorophenol	---	U	5.3	ug/L	
Fluorene	---	U	5.3	ug/L	
Diethylphthalate	---	U	5.3	ug/L	
4-Chlorophenyl-Phenylether	---	U	5.3	ug/L	
4-Nitroaniline	---	U	5.3	ug/L	
4,6-Dinitro-2-Methylphenol	---	U	5.3	ug/L	
N-Nitrosodiphenylamine	---	U	5.3	ug/L	
4-Bromophenyl-Phenylether	---	U	5.3	ug/L	
Hexachlorobenzene	---	U	5.3	ug/L	
Atrazine	---	U	5.3	ug/L	
Pentachlorophenol	---	U	5.3	ug/L	
Phenanthrene	---	U	5.3	ug/L	

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: FB-SB-A				Sample ID: 1606039-12	
NVOA GCMS					
Anthracene	---	U	5.3	ug/L	
Carbazole	---	U	5.3	ug/L	
Di-N-Butyl Phthalate	---	U	5.3	ug/L	
Fluoranthene	---	U	5.3	ug/L	
Pyrene	---	U	5.3	ug/L	
Butylbenzylphthalate	---	U	5.3	ug/L	
3,3'- Dichlorobenzidine	---	U	5.3	ug/L	
Benzo(A)Anthracene	---	U	5.3	ug/L	
Chrysene	---	U	5.3	ug/L	
Bis(2-Ethylhexyl)Phthalate	---	U	5.3	ug/L	
Di-N-Octyl Phthalate	---	U	5.3	ug/L	
Benzo(B)Fluoranthene	---	U	5.3	ug/L	
Benzo(K)Fluoranthene	---	U	5.3	ug/L	
Benzo(A)Pyrene	---	U	5.3	ug/L	
Indeno(1,2,3-Cd)Pyrene	---	U	5.3	ug/L	
Dibenzo(A,H)Anthracene	---	U	5.3	ug/L	
Benzo(G,H,I)Perylene	---	U	5.3	ug/L	
Phenol, 2-methoxy-	13	NJ		ug/L	
PCB Aroclors GC					
Aroclor 1016	---	U J	0.062	ug/L	
Aroclor 1221	---	U J	0.12	ug/L	
Aroclor 1232	---	U J	0.062	ug/L	
Aroclor 1242	---	U J	0.062	ug/L	
Aroclor 1248	---	U J	0.062	ug/L	
Aroclor 1254	---	U J	0.062	ug/L	
Aroclor 1260	---	U J	0.062	ug/L	
Aroclor 1262	---	U J	0.062	ug/L	
Aroclor 1268	---	U J	0.062	ug/L	

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: FB-SB-A					Sample ID: 1606039-12
Metals ICP					
Aluminum	---	U	100	ug/L	
Antimony	---	U	20	ug/L	
Arsenic	---	U	8.0	ug/L	
Barium	---	U	100	ug/L	
Beryllium	---	U	3.0	ug/L	
Cadmium	---	U	3.0	ug/L	
Calcium	---	U	500	ug/L	
Chromium	---	U	5.0	ug/L	
Cobalt	---	U	20	ug/L	
Copper	---	U	10	ug/L	
Iron	---	U	50	ug/L	
Lead	---	U	8.0	ug/L	
Magnesium	---	U	500	ug/L	
Manganese	---	U	5.0	ug/L	
Nickel	---	U	20	ug/L	
Potassium	---	U	500	ug/L	
Selenium	---	U	20	ug/L	
Silver	---	U	5.0	ug/L	
Sodium	---	U	1000	ug/L	
Thallium	---	U	20	ug/L	
Vanadium	---	U	20	ug/L	
Zinc	---	U	20	ug/L	
Field ID: FB-GW-B					Sample ID: 1606044-01
VOA-TRACE GCMS					
Dichlorodifluoromethane	---	U	0.50	ug/L	
Chloromethane	---	U	0.50	ug/L	
Vinyl Chloride	---	U	0.50	ug/L	
Bromomethane	---	U	0.50	ug/L	

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: FB-GW-B				Sample ID: 1606044-01	
VOA-TRACE GCMS					
Chloroethane	---	U	0.50	ug/L	
Trichlorofluoromethane	---	U	0.50	ug/L	
1,1-Dichloroethene	---	U	0.50	ug/L	
1,1,2-Trichloro-1,2,2-Trifluoroethane	---	U	0.50	ug/L	
Carbon Disulfide	---	U	0.50	ug/L	
Acetone	36		5.0	ug/L	
Methyl Acetate	---	U	0.50	ug/L	
Methylene Chloride	---	U	0.50	ug/L	
trans-1,2-Dichloroethene	---	U	0.50	ug/L	
Methyl tert-Butyl Ether	---	U	0.50	ug/L	
1,1-Dichloroethane	---	U	0.50	ug/L	
cis-1,2-Dichloroethene	---	U	0.50	ug/L	
2-Butanone	---	U	5.0	ug/L	
Bromochloromethane	---	U	0.50	ug/L	
Chloroform	---	U	0.50	ug/L	
1,1,1-Trichloroethane	---	U	0.50	ug/L	
Cyclohexane	---	U	0.50	ug/L	
Carbon Tetrachloride	---	U	0.50	ug/L	
Benzene	---	U	0.50	ug/L	
1,2-Dichloroethane	---	U	0.50	ug/L	
Trichloroethene	---	U	0.50	ug/L	
1,2-Dichloropropane	---	U	0.50	ug/L	
Bromodichloromethane	---	U	0.50	ug/L	
cis-1,3-Dichloropropene	---	U	0.50	ug/L	
4-Methyl-2-Pentanone	---	U	5.0	ug/L	
Toluene	---	U	0.50	ug/L	
trans-1,3-Dichloropropene	---	U	0.50	ug/L	
1,1,2-Trichloroethane	---	U	0.50	ug/L	

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: FB-GW-B				Sample ID: 1606044-01	
VOA-TRACE GCMS					
Tetrachloroethene	---	U	0.50	ug/L	
Methylcyclohexane	---	U	0.50	ug/L	
Dibromochloromethane	---	U	0.50	ug/L	
1,2-Dibromoethane	---	U	0.50	ug/L	
2-Hexanone	---	U	5.0	ug/L	
Chlorobenzene	---	U	0.50	ug/L	
Ethylbenzene	---	U	0.50	ug/L	
m/p-Xylene	---	U	0.50	ug/L	
o-Xylene	---	U	0.50	ug/L	
Styrene	---	U	0.50	ug/L	
Bromoform	---	U	0.50	ug/L	
Isopropylbenzene	---	U	0.50	ug/L	
1,1,2,2-Tetrachloroethane	---	U	0.50	ug/L	
1,3-Dichlorobenzene	---	U	0.50	ug/L	
1,4-Dichlorobenzene	---	U	0.50	ug/L	
1,2-Dichlorobenzene	---	U	0.50	ug/L	
1,2-Dibromo-3-Chloropropane	---	U	0.50	ug/L	
1,2,4-Trichlorobenzene	---	U	0.50	ug/L	
1,2,3-Trichlorobenzene	---	U	0.50	ug/L	
NVOA GCMS					
1,4-Dioxane	---	U	2.2	ug/L	
Benzaldehyde	---	U	5.4	ug/L	
Phenol	---	U	5.4	ug/L	
Bis(2-Chloroethyl)Ether	---	U	5.4	ug/L	
2-Chlorophenol	---	U	5.4	ug/L	
2-Methylphenol	---	U	5.4	ug/L	
Bis(2-Chloroisopropyl)Ether	---	U	5.4	ug/L	
Acetophenone	---	U	5.4	ug/L	

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: FB-GW-B				Sample ID: 1606044-01	
NVOA GCMS					
4-Methylphenol	---	U	5.4	ug/L	
N-Nitroso-Di-N-Propylamine	---	U	5.4	ug/L	
Hexachloroethane	---	U	5.4	ug/L	
Nitrobenzene	---	U	5.4	ug/L	
Isophorone	---	U	5.4	ug/L	
2-Nitrophenol	---	U	5.4	ug/L	
2,4-Dimethylphenol	---	U	5.4	ug/L	
Bis(-2-Chloroethoxy)Methane	---	U	5.4	ug/L	
2,4-Dichlorophenol	---	U	5.4	ug/L	
Naphthalene	---	U	5.4	ug/L	
4-Chloroaniline	---	U	5.4	ug/L	
Hexachlorobutadiene	---	U	5.4	ug/L	
Caprolactam	---	U	5.4	ug/L	
4-Chloro-3-Methylphenol	---	U	5.4	ug/L	
2-Methylnaphthalene	---	U	5.4	ug/L	
1,2,4,5-Tetrachlorobenzene	---	U	5.4	ug/L	
Hexachlorocyclopentadiene	---	U	5.4	ug/L	
2,4,6-Trichlorophenol	---	U	5.4	ug/L	
2,4,5-Trichlorophenol	---	U	5.4	ug/L	
Biphenyl	---	U	5.4	ug/L	
2-Chloronaphthalene	---	U	5.4	ug/L	
2-Nitroaniline	---	U	5.4	ug/L	
Dimethyl Phthalate	---	U	5.4	ug/L	
Acenaphthylene	---	U	5.4	ug/L	
2,6-Dinitrotoluene	---	U	5.4	ug/L	
3-Nitroaniline	---	U	5.4	ug/L	
Acenaphthene	---	U	5.4	ug/L	
2,4-Dinitrophenol	---	U	27	ug/L	

Final Report

Project: Kingston Rail Yard - 1606029

Project Number: 1606029

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: FB-GW-B				Sample ID: 1606044-01	
NVOA GCMS					
4-Nitrophenol	---	U	5.4	ug/L	
Dibenzofuran	---	U	5.4	ug/L	
2,4-Dinitrotoluene	---	U	5.4	ug/L	
2,3,4,6-Tetrachlorophenol	---	U	5.4	ug/L	
Fluorene	---	U	5.4	ug/L	
Diethylphthalate	---	U	5.4	ug/L	
4-Chlorophenyl-Phenylether	---	U	5.4	ug/L	
4-Nitroaniline	---	U	5.4	ug/L	
4,6-Dinitro-2-Methylphenol	---	U	5.4	ug/L	
N-Nitrosodiphenylamine	---	U	5.4	ug/L	
4-Bromophenyl-Phenylether	---	U	5.4	ug/L	
Hexachlorobenzene	---	U	5.4	ug/L	
Atrazine	---	U	5.4	ug/L	
Pentachlorophenol	---	U	5.4	ug/L	
Phenanthrene	---	U	5.4	ug/L	
Anthracene	---	U	5.4	ug/L	
Carbazole	---	U	5.4	ug/L	
Di-N-Butyl Phthalate	---	U	5.4	ug/L	
Fluoranthene	---	U	5.4	ug/L	
Pyrene	---	U	5.4	ug/L	
Butylbenzylphthalate	---	U	5.4	ug/L	
3,3'- Dichlorobenzidine	---	U	5.4	ug/L	
Benzo(A)Anthracene	---	U	5.4	ug/L	
Chrysene	---	U	5.4	ug/L	
Bis(2-Ethylhexyl)Phthalate	---	U	5.4	ug/L	
Di-N-Octyl Phthalate	---	U	5.4	ug/L	
Benzo(B)Fluoranthene	---	U	5.4	ug/L	
Benzo(K)Fluoranthene	---	U	5.4	ug/L	

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: FB-GW-B				Sample ID: 1606044-01	
NVOA GCMS					
Benzo(A)Pyrene	---	U	5.4	ug/L	
Indeno(1,2,3-Cd)Pyrene	---	U	5.4	ug/L	
Dibenzo(A,H)Anthracene	---	U	5.4	ug/L	
Benzo(G,H,I)Perylene	---	U	5.4	ug/L	
Phenol, 2-methoxy-	14	NJ		ug/L	
PCB Aroclors GC					
Aroclor 1016	---	U J	0.062	ug/L	
Aroclor 1221	---	U J	0.12	ug/L	
Aroclor 1232	---	U J	0.062	ug/L	
Aroclor 1242	---	U J	0.062	ug/L	
Aroclor 1248	---	U J	0.062	ug/L	
Aroclor 1254	---	U J	0.062	ug/L	
Aroclor 1260	---	U J	0.062	ug/L	
Aroclor 1262	---	U J	0.062	ug/L	
Aroclor 1268	---	U J	0.062	ug/L	
Metals ICP					
Aluminum	---	U	100	ug/L	
Antimony	---	U	20	ug/L	
Arsenic	---	U	8.0	ug/L	
Barium	---	U	100	ug/L	
Beryllium	---	U	3.0	ug/L	
Cadmium	---	U	3.0	ug/L	
Calcium	---	U	500	ug/L	
Chromium	---	U	5.0	ug/L	
Cobalt	---	U	20	ug/L	
Copper	---	U	10	ug/L	
Iron	---	U	50	ug/L	
Lead	---	U	8.0	ug/L	

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: FB-GW-B				Sample ID: 1606044-01	
Metals ICP					
Magnesium	---	U	500	ug/L	
Manganese	---	U	5.0	ug/L	
Nickel	---	U	20	ug/L	
Potassium	---	U	500	ug/L	
Selenium	---	U	20	ug/L	
Silver	---	U	5.0	ug/L	
Sodium	---	U	1000	ug/L	
Thallium	---	U	20	ug/L	
Vanadium	---	U	20	ug/L	
Zinc	---	U	20	ug/L	
Field ID: GW-900-1				Sample ID: 1606044-02	
VOA-TRACE GCMS					
Dichlorodifluoromethane	---	U	0.50	ug/L	
Chloromethane	---	U	0.50	ug/L	
Vinyl Chloride	---	U	0.50	ug/L	
Bromomethane	---	U	0.50	ug/L	
Chloroethane	---	U	0.50	ug/L	
Trichlorofluoromethane	---	U	0.50	ug/L	
1,1-Dichloroethene	---	U	0.50	ug/L	
1,1,2-Trichloro-1,2,2-Trifluoroethane	---	U	0.50	ug/L	
Carbon Disulfide	---	U	0.50	ug/L	
Acetone	---	U	5.0	ug/L	
Methyl Acetate	---	U	0.50	ug/L	
Methylene Chloride	---	U	0.50	ug/L	
trans-1,2-Dichloroethene	---	U	0.50	ug/L	
Methyl tert-Butyl Ether	---	U	0.50	ug/L	
1,1-Dichloroethane	---	U	0.50	ug/L	
cis-1,2-Dichloroethene	---	U	0.50	ug/L	

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: GW-900-1				Sample ID: 1606044-02	
VOA-TRACE GCMS					
2-Butanone	---	U	5.0	ug/L	
Bromochloromethane	---	U	0.50	ug/L	
Chloroform	---	U	0.50	ug/L	
1,1,1-Trichloroethane	---	U	0.50	ug/L	
Cyclohexane	---	U	0.50	ug/L	
Carbon Tetrachloride	---	U	0.50	ug/L	
Benzene	---	U	0.50	ug/L	
1,2-Dichloroethane	---	U	0.50	ug/L	
Trichloroethene	24		0.50	ug/L	
1,2-Dichloropropane	---	U	0.50	ug/L	
Bromodichloromethane	---	U	0.50	ug/L	
cis-1,3-Dichloropropene	---	U	0.50	ug/L	
4-Methyl-2-Pentanone	---	U	5.0	ug/L	
Toluene	---	U	0.50	ug/L	
trans-1,3-Dichloropropene	---	U	0.50	ug/L	
1,1,2-Trichloroethane	---	U	0.50	ug/L	
Tetrachloroethene	170		10	ug/L	
Methylcyclohexane	---	U	0.50	ug/L	
Dibromochloromethane	---	U	0.50	ug/L	
1,2-Dibromoethane	---	U	0.50	ug/L	
2-Hexanone	---	U	5.0	ug/L	
Chlorobenzene	---	U	0.50	ug/L	
Ethylbenzene	---	U	0.50	ug/L	
m/p-Xylene	---	U	0.50	ug/L	
o-Xylene	---	U	0.50	ug/L	
Styrene	---	U	0.50	ug/L	
Bromoform	---	U	0.50	ug/L	
Isopropylbenzene	---	U	0.50	ug/L	

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: GW-900-1				Sample ID: 1606044-02	
VOA-TRACE GCMS					
1,1,2,2-Tetrachloroethane	---	U	0.50	ug/L	
1,3-Dichlorobenzene	---	U	0.50	ug/L	
1,4-Dichlorobenzene	---	U	0.50	ug/L	
1,2-Dichlorobenzene	---	U	0.50	ug/L	
1,2-Dibromo-3-Chloropropane	---	U	0.50	ug/L	
1,2,4-Trichlorobenzene	---	U	0.50	ug/L	
1,2,3-Trichlorobenzene	---	U	0.50	ug/L	
NVOA GCMS					
1,4-Dioxane	---	U	2.1	ug/L	
Benzaldehyde	---	U	5.3	ug/L	
Phenol	---	U	5.3	ug/L	
Bis(2-Chloroethyl)Ether	---	U	5.3	ug/L	
2-Chlorophenol	---	U	5.3	ug/L	
2-Methylphenol	---	U	5.3	ug/L	
Bis(2-Chloroisopropyl)Ether	---	U	5.3	ug/L	
Acetophenone	---	U	5.3	ug/L	
4-Methylphenol	---	U	5.3	ug/L	
N-Nitroso-Di-N-Propylamine	---	U	5.3	ug/L	
Hexachloroethane	---	U	5.3	ug/L	
Nitrobenzene	---	U	5.3	ug/L	
Isophorone	---	U	5.3	ug/L	
2-Nitrophenol	---	U	5.3	ug/L	
2,4-Dimethylphenol	---	U	5.3	ug/L	
Bis(-2-Chloroethoxy)Methane	---	U	5.3	ug/L	
2,4-Dichlorophenol	---	U	5.3	ug/L	
Naphthalene	---	U	5.3	ug/L	
4-Chloroaniline	---	U	5.3	ug/L	
Hexachlorobutadiene	---	U	5.3	ug/L	

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: GW-900-1				Sample ID: 1606044-02	
NVOA GCMS					
Caprolactam	---	U	5.3	ug/L	
4-Chloro-3-Methylphenol	---	U	5.3	ug/L	
2-Methylnaphthalene	---	U	5.3	ug/L	
1,2,4,5-Tetrachlorobenzene	---	U	5.3	ug/L	
Hexachlorocyclopentadiene	---	U	5.3	ug/L	
2,4,6-Trichlorophenol	---	U	5.3	ug/L	
2,4,5-Trichlorophenol	---	U	5.3	ug/L	
Biphenyl	---	U	5.3	ug/L	
2-Chloronaphthalene	---	U	5.3	ug/L	
2-Nitroaniline	---	U	5.3	ug/L	
Dimethyl Phthalate	---	U	5.3	ug/L	
Acenaphthylene	---	U	5.3	ug/L	
2,6-Dinitrotoluene	---	U	5.3	ug/L	
3-Nitroaniline	---	U	5.3	ug/L	
Acenaphthene	---	U	5.3	ug/L	
2,4-Dinitrophenol	---	U	27	ug/L	
4-Nitrophenol	---	U	5.3	ug/L	
Dibenzofuran	---	U	5.3	ug/L	
2,4-Dinitrotoluene	---	U	5.3	ug/L	
2,3,4,6-Tetrachlorophenol	---	U	5.3	ug/L	
Fluorene	---	U	5.3	ug/L	
Diethylphthalate	---	U	5.3	ug/L	
4-Chlorophenyl-Phenylether	---	U	5.3	ug/L	
4-Nitroaniline	---	U	5.3	ug/L	
4,6-Dinitro-2-Methylphenol	---	U	5.3	ug/L	
N-Nitrosodiphenylamine	---	U	5.3	ug/L	
4-Bromophenyl-Phenylether	---	U	5.3	ug/L	
Hexachlorobenzene	---	U	5.3	ug/L	

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Project: Kingston Rail Yard - 1606029

Project Number: 1606029

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: GW-900-1				Sample ID: 1606044-02	
NVOA GCMS					
Atrazine	---	U	5.3	ug/L	
Pentachlorophenol	---	U	5.3	ug/L	
Phenanthrene	---	U	5.3	ug/L	
Anthracene	---	U	5.3	ug/L	
Carbazole	---	U	5.3	ug/L	
Di-N-Butyl Phthalate	---	U	5.3	ug/L	
Fluoranthene	---	U	5.3	ug/L	
Pyrene	---	U	5.3	ug/L	
Butylbenzylphthalate	---	U	5.3	ug/L	
3,3'- Dichlorobenzidine	---	U	5.3	ug/L	
Benzo(A)Anthracene	---	U	5.3	ug/L	
Chrysene	---	U	5.3	ug/L	
Bis(2-Ethylhexyl)Phthalate	---	U	5.3	ug/L	
Di-N-Octyl Phthalate	---	U	5.3	ug/L	
Benzo(B)Fluoranthene	---	U	5.3	ug/L	
Benzo(K)Fluoranthene	---	U	5.3	ug/L	
Benzo(A)Pyrene	---	U	5.3	ug/L	
Indeno(1,2,3-Cd)Pyrene	---	U	5.3	ug/L	
Dibenzo(A,H)Anthracene	---	U	5.3	ug/L	
Benzo(G,H,I)Perylene	---	U	5.3	ug/L	
Tetrachloroethylene	34	NJ		ug/L	
PCB Aroclors GC					
Aroclor 1016	---	U J	0.062	ug/L	
Aroclor 1221	---	U J	0.12	ug/L	
Aroclor 1232	---	U J	0.062	ug/L	
Aroclor 1242	---	U J	0.062	ug/L	
Aroclor 1248	---	U J	0.062	ug/L	
Aroclor 1254	---	U J	0.062	ug/L	

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: GW-900-1				Sample ID: 1606044-02	
PCB Aroclors GC					
Aroclor 1260	---	U J	0.062	ug/L	
Aroclor 1262	---	U J	0.062	ug/L	
Aroclor 1268	---	U J	0.062	ug/L	
Metals ICP					
Aluminum	---	U	100	ug/L	
Antimony	---	U	20	ug/L	
Arsenic	---	U	8.0	ug/L	
Barium	---	U	100	ug/L	
Beryllium	---	U	3.0	ug/L	
Cadmium	---	U	3.0	ug/L	
Calcium	38000		500	ug/L	
Chromium	---	U	5.0	ug/L	
Cobalt	---	U	20	ug/L	
Copper	---	U	10	ug/L	
Iron	---	U	50	ug/L	
Lead	---	U	8.0	ug/L	
Magnesium	4600		500	ug/L	
Manganese	27		5.0	ug/L	
Nickel	---	U	20	ug/L	
Potassium	3100		500	ug/L	
Selenium	---	U	20	ug/L	
Silver	---	U	5.0	ug/L	
Sodium	84000		1000	ug/L	
Thallium	---	U	20	ug/L	
Vanadium	---	U	20	ug/L	
Zinc	---	U	20	ug/L	
Field ID: KR-GW-01-1				Sample ID: 1606044-03	

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-GW-01-1				Sample ID: 1606044-03	
VOA-TRACE GCMS					
Dichlorodifluoromethane	---	U	0.50	ug/L	
Chloromethane	---	U	0.50	ug/L	
Vinyl Chloride	---	U	0.50	ug/L	
Bromomethane	---	U	0.50	ug/L	
Chloroethane	---	U	0.50	ug/L	
Trichlorofluoromethane	---	U	0.50	ug/L	
1,1-Dichloroethene	---	U	0.50	ug/L	
1,1,2-Trichloro-1,2,2-Trifluoroethane	---	U	0.50	ug/L	
Carbon Disulfide	---	U	0.50	ug/L	
Acetone	---	U	5.0	ug/L	
Methyl Acetate	---	U	0.50	ug/L	
Methylene Chloride	---	U	0.50	ug/L	
trans-1,2-Dichloroethene	---	U	0.50	ug/L	
Methyl tert-Butyl Ether	---	U	0.50	ug/L	
1,1-Dichloroethane	---	U	0.50	ug/L	
cis-1,2-Dichloroethene	---	U	0.50	ug/L	
2-Butanone	---	U	5.0	ug/L	
Bromochloromethane	---	U	0.50	ug/L	
Chloroform	---	U	0.50	ug/L	
1,1,1-Trichloroethane	---	U	0.50	ug/L	
Cyclohexane	---	U	0.50	ug/L	
Carbon Tetrachloride	---	U	0.50	ug/L	
Benzene	---	U	0.50	ug/L	
1,2-Dichloroethane	---	U	0.50	ug/L	
Trichloroethene	14		0.50	ug/L	
1,2-Dichloropropane	---	U	0.50	ug/L	
Bromodichloromethane	---	U	0.50	ug/L	
cis-1,3-Dichloropropene	---	U	0.50	ug/L	

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-GW-01-1				Sample ID: 1606044-03	
VOA-TRACE GCMS					
4-Methyl-2-Pentanone	---	U	5.0	ug/L	
Toluene	---	U	0.50	ug/L	
trans-1,3-Dichloropropene	---	U	0.50	ug/L	
1,1,2-Trichloroethane	---	U	0.50	ug/L	
Tetrachloroethene	4.2		0.50	ug/L	
Methylcyclohexane	---	U	0.50	ug/L	
Dibromochloromethane	---	U	0.50	ug/L	
1,2-Dibromoethane	---	U	0.50	ug/L	
2-Hexanone	---	U	5.0	ug/L	
Chlorobenzene	---	U	0.50	ug/L	
Ethylbenzene	---	U	0.50	ug/L	
m/p-Xylene	---	U	0.50	ug/L	
o-Xylene	---	U	0.50	ug/L	
Styrene	---	U	0.50	ug/L	
Bromoform	---	U	0.50	ug/L	
Isopropylbenzene	---	U	0.50	ug/L	
1,1,2,2-Tetrachloroethane	---	U	0.50	ug/L	
1,3-Dichlorobenzene	---	U	0.50	ug/L	
1,4-Dichlorobenzene	---	U	0.50	ug/L	
1,2-Dichlorobenzene	---	U	0.50	ug/L	
1,2-Dibromo-3-Chloropropane	---	U	0.50	ug/L	
1,2,4-Trichlorobenzene	---	U	0.50	ug/L	
1,2,3-Trichlorobenzene	---	U	0.50	ug/L	
NVOA GCMS					
1,4-Dioxane	---	U	2.1	ug/L	
Benzaldehyde	---	U	5.3	ug/L	
Phenol	---	U	5.3	ug/L	
Bis(2-Chloroethyl)Ether	---	U	5.3	ug/L	

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-GW-01-1				Sample ID: 1606044-03	
NVOA GCMS					
2-Chlorophenol	---	U	5.3	ug/L	
2-Methylphenol	---	U	5.3	ug/L	
Bis(2-Chloroisopropyl)Ether	---	U	5.3	ug/L	
Acetophenone	---	U	5.3	ug/L	
4-Methylphenol	---	U L	5.3	ug/L	
N-Nitroso-Di-N-Propylamine	---	U	5.3	ug/L	
Hexachloroethane	---	U	5.3	ug/L	
Nitrobenzene	---	U	5.3	ug/L	
Isophorone	---	U	5.3	ug/L	
2-Nitrophenol	---	U	5.3	ug/L	
2,4-Dimethylphenol	---	U	5.3	ug/L	
Bis(-2-Chloroethoxy)Methane	---	U	5.3	ug/L	
2,4-Dichlorophenol	---	U	5.3	ug/L	
Naphthalene	---	U	5.3	ug/L	
4-Chloroaniline	---	U L	5.3	ug/L	
Hexachlorobutadiene	---	U	5.3	ug/L	
Caprolactam	---	U	5.3	ug/L	
4-Chloro-3-Methylphenol	---	U	5.3	ug/L	
2-Methylnaphthalene	---	U	5.3	ug/L	
1,2,4,5-Tetrachlorobenzene	---	U	5.3	ug/L	
Hexachlorocyclopentadiene	---	U	5.3	ug/L	
2,4,6-Trichlorophenol	---	U	5.3	ug/L	
2,4,5-Trichlorophenol	---	U	5.3	ug/L	
Biphenyl	---	U	5.3	ug/L	
2-Chloronaphthalene	---	U	5.3	ug/L	
2-Nitroaniline	---	U	5.3	ug/L	
Dimethyl Phthalate	---	U	5.3	ug/L	
Acenaphthylene	---	U	5.3	ug/L	

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Project: Kingston Rail Yard - 1606029

Project Number: 1606029

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-GW-01-1				Sample ID: 1606044-03	
NVOA GCMS					
2,6-Dinitrotoluene	---	U	5.3	ug/L	
3-Nitroaniline	---	U	5.3	ug/L	
Acenaphthene	---	U	5.3	ug/L	
2,4-Dinitrophenol	---	U	27	ug/L	
4-Nitrophenol	---	U	5.3	ug/L	
Dibenzofuran	---	U	5.3	ug/L	
2,4-Dinitrotoluene	---	U	5.3	ug/L	
2,3,4,6-Tetrachlorophenol	---	U L	5.3	ug/L	
Fluorene	---	U	5.3	ug/L	
Diethylphthalate	---	U	5.3	ug/L	
4-Chlorophenyl-Phenylether	---	U	5.3	ug/L	
4-Nitroaniline	---	U L	5.3	ug/L	
4,6-Dinitro-2-Methylphenol	---	U	5.3	ug/L	
N-Nitrosodiphenylamine	---	U L	5.3	ug/L	
4-Bromophenyl-Phenylether	---	U	5.3	ug/L	
Hexachlorobenzene	---	U	5.3	ug/L	
Atrazine	---	U	5.3	ug/L	
Pentachlorophenol	---	U	5.3	ug/L	
Phenanthrene	---	U	5.3	ug/L	
Anthracene	---	U	5.3	ug/L	
Carbazole	---	U L	5.3	ug/L	
Di-N-Butyl Phthalate	---	U	5.3	ug/L	
Fluoranthene	---	U	5.3	ug/L	
Pyrene	---	U	5.3	ug/L	
Butylbenzylphthalate	---	U	5.3	ug/L	
3,3'- Dichlorobenzidine	---	U	5.3	ug/L	
Benzo(A)Anthracene	---	U	5.3	ug/L	
Chrysene	---	U	5.3	ug/L	

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-GW-01-1				Sample ID: 1606044-03	
NVOA GCMS					
Bis(2-Ethylhexyl)Phthalate	---	U	5.3	ug/L	
Di-N-Octyl Phthalate	---	U	5.3	ug/L	
Benzo(B)Fluoranthene	---	U	5.3	ug/L	
Benzo(K)Fluoranthene	---	U	5.3	ug/L	
Benzo(A)Pyrene	---	U	5.3	ug/L	
Indeno(1,2,3-Cd)Pyrene	---	U	5.3	ug/L	
Dibenzo(A,H)Anthracene	---	U	5.3	ug/L	
Benzo(G,H,I)Perylene	---	U	5.3	ug/L	
PCB Aroclors GC					
Aroclor 1016	---	U J	0.062	ug/L	
Aroclor 1221	---	U J	0.12	ug/L	
Aroclor 1232	---	U J	0.062	ug/L	
Aroclor 1242	---	U J	0.062	ug/L	
Aroclor 1248	---	U J	0.062	ug/L	
Aroclor 1254	---	U J	0.062	ug/L	
Aroclor 1260	---	U J	0.062	ug/L	
Aroclor 1262	---	U J	0.062	ug/L	
Aroclor 1268	---	U J	0.062	ug/L	
Metals ICP					
Aluminum	---	U	100	ug/L	
Antimony	---	U	20	ug/L	
Arsenic	---	U	8.0	ug/L	
Barium	---	U	100	ug/L	
Beryllium	---	U	3.0	ug/L	
Cadmium	---	U	3.0	ug/L	
Calcium	43000		500	ug/L	
Chromium	---	U	5.0	ug/L	
Cobalt	---	U	20	ug/L	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-GW-01-1				Sample ID: 1606044-03	
Metals ICP					
Copper	---	U	10	ug/L	
Iron	---	U	50	ug/L	
Lead	---	U	8.0	ug/L	
Magnesium	2700		500	ug/L	
Manganese	120		5.0	ug/L	
Nickel	---	U	20	ug/L	
Potassium	3700		500	ug/L	
Selenium	---	U	20	ug/L	
Silver	---	U	5.0	ug/L	
Sodium	88000		1000	ug/L	
Thallium	---	U	20	ug/L	
Vanadium	---	U	20	ug/L	
Zinc	---	U	20	ug/L	
Field ID: KR-GW-02-1				Sample ID: 1606044-04	
VOA-TRACE GCMS					
Dichlorodifluoromethane	---	U	0.50	ug/L	
Chloromethane	---	U	0.50	ug/L	
Vinyl Chloride	---	U	0.50	ug/L	
Bromomethane	---	U	0.50	ug/L	
Chloroethane	---	U	0.50	ug/L	
Trichlorofluoromethane	---	U	0.50	ug/L	
1,1-Dichloroethene	---	U	0.50	ug/L	
1,1,2-Trichloro-1,2,2-Trifluoroethane	---	U	0.50	ug/L	
Carbon Disulfide	---	U	0.50	ug/L	
Acetone	---	U	5.0	ug/L	
Methyl Acetate	---	U	0.50	ug/L	
Methylene Chloride	---	U	0.50	ug/L	

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-GW-02-1				Sample ID: 1606044-04	
VOA-TRACE GCMS					
trans-1,2-Dichloroethene	---	U	0.50	ug/L	
Methyl tert-Butyl Ether	---	U	0.50	ug/L	
1,1-Dichloroethane	---	U	0.50	ug/L	
cis-1,2-Dichloroethene	---	U	0.50	ug/L	
2-Butanone	---	U	5.0	ug/L	
Bromochloromethane	---	U	0.50	ug/L	
Chloroform	---	U	0.50	ug/L	
1,1,1-Trichloroethane	---	U	0.50	ug/L	
Cyclohexane	---	U	0.50	ug/L	
Carbon Tetrachloride	---	U	0.50	ug/L	
Benzene	---	U	0.50	ug/L	
1,2-Dichloroethane	---	U	0.50	ug/L	
Trichloroethene	24		0.50	ug/L	
1,2-Dichloropropane	---	U	0.50	ug/L	
Bromodichloromethane	---	U	0.50	ug/L	
cis-1,3-Dichloropropene	---	U	0.50	ug/L	
4-Methyl-2-Pentanone	---	U	5.0	ug/L	
Toluene	---	U	0.50	ug/L	
trans-1,3-Dichloropropene	---	U	0.50	ug/L	
1,1,2-Trichloroethane	---	U	0.50	ug/L	
Tetrachloroethene	180		10	ug/L	
Methylcyclohexane	---	U	0.50	ug/L	
Dibromochloromethane	---	U	0.50	ug/L	
1,2-Dibromoethane	---	U	0.50	ug/L	
2-Hexanone	---	U	5.0	ug/L	
Chlorobenzene	---	U	0.50	ug/L	
Ethylbenzene	---	U	0.50	ug/L	
m/p-Xylene	---	U	0.50	ug/L	

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-GW-02-1				Sample ID: 1606044-04	
VOA-TRACE GCMS					
o-Xylene	---	U	0.50	ug/L	
Styrene	---	U	0.50	ug/L	
Bromoform	---	U	0.50	ug/L	
Isopropylbenzene	---	U	0.50	ug/L	
1,1,2,2-Tetrachloroethane	---	U	0.50	ug/L	
1,3-Dichlorobenzene	---	U	0.50	ug/L	
1,4-Dichlorobenzene	---	U	0.50	ug/L	
1,2-Dichlorobenzene	---	U	0.50	ug/L	
1,2-Dibromo-3-Chloropropane	---	U	0.50	ug/L	
1,2,4-Trichlorobenzene	---	U	0.50	ug/L	
1,2,3-Trichlorobenzene	---	U	0.50	ug/L	
NVOA GCMS					
1,4-Dioxane	---	U	2.0	ug/L	
Benzaldehyde	---	U	5.0	ug/L	
Phenol	---	U	5.0	ug/L	
Bis(2-Chloroethyl)Ether	---	U	5.0	ug/L	
2-Chlorophenol	---	U	5.0	ug/L	
2-Methylphenol	---	U	5.0	ug/L	
Bis(2-Chloroisopropyl)Ether	---	U	5.0	ug/L	
Acetophenone	---	U	5.0	ug/L	
4-Methylphenol	---	U	5.0	ug/L	
N-Nitroso-Di-N-Propylamine	---	U	5.0	ug/L	
Hexachloroethane	---	U	5.0	ug/L	
Nitrobenzene	---	U	5.0	ug/L	
Isophorone	---	U	5.0	ug/L	
2-Nitrophenol	---	U	5.0	ug/L	
2,4-Dimethylphenol	---	U	5.0	ug/L	
Bis(-2-Chloroethoxy)Methane	---	U	5.0	ug/L	

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-GW-02-1				Sample ID: 1606044-04	
NVOA GCMS					
2,4-Dichlorophenol	---	U	5.0	ug/L	
Naphthalene	---	U	5.0	ug/L	
4-Chloroaniline	---	U	5.0	ug/L	
Hexachlorobutadiene	---	U	5.0	ug/L	
Caprolactam	---	U	5.0	ug/L	
4-Chloro-3-Methylphenol	---	U	5.0	ug/L	
2-Methylnaphthalene	---	U	5.0	ug/L	
1,2,4,5-Tetrachlorobenzene	---	U	5.0	ug/L	
Hexachlorocyclopentadiene	---	U	5.0	ug/L	
2,4,6-Trichlorophenol	---	U	5.0	ug/L	
2,4,5-Trichlorophenol	---	U	5.0	ug/L	
Biphenyl	---	U	5.0	ug/L	
2-Chloronaphthalene	---	U	5.0	ug/L	
2-Nitroaniline	---	U	5.0	ug/L	
Dimethyl Phthalate	---	U	5.0	ug/L	
Acenaphthylene	---	U	5.0	ug/L	
2,6-Dinitrotoluene	---	U	5.0	ug/L	
3-Nitroaniline	---	U	5.0	ug/L	
Acenaphthene	---	U	5.0	ug/L	
2,4-Dinitrophenol	---	U	25	ug/L	
4-Nitrophenol	---	U	5.0	ug/L	
Dibenzofuran	---	U	5.0	ug/L	
2,4-Dinitrotoluene	---	U	5.0	ug/L	
2,3,4,6-Tetrachlorophenol	---	U	5.0	ug/L	
Fluorene	---	U	5.0	ug/L	
Diethylphthalate	---	U	5.0	ug/L	
4-Chlorophenyl-Phenylether	---	U	5.0	ug/L	
4-Nitroaniline	---	U	5.0	ug/L	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-GW-02-1				Sample ID: 1606044-04	
NVOA GCMS					
4,6-Dinitro-2-Methylphenol	---	U	5.0	ug/L	
N-Nitrosodiphenylamine	---	U	5.0	ug/L	
4-Bromophenyl-Phenylether	---	U	5.0	ug/L	
Hexachlorobenzene	---	U	5.0	ug/L	
Atrazine	---	U	5.0	ug/L	
Pentachlorophenol	---	U	5.0	ug/L	
Phenanthrene	---	U	5.0	ug/L	
Anthracene	---	U	5.0	ug/L	
Carbazole	---	U	5.0	ug/L	
Di-N-Butyl Phthalate	---	U	5.0	ug/L	
Fluoranthene	---	U	5.0	ug/L	
Pyrene	---	U	5.0	ug/L	
Butylbenzylphthalate	---	U	5.0	ug/L	
3,3'- Dichlorobenzidine	---	U	5.0	ug/L	
Benzo(A)Anthracene	---	U	5.0	ug/L	
Chrysene	---	U	5.0	ug/L	
Bis(2-Ethylhexyl)Phthalate	---	U	5.0	ug/L	
Di-N-Octyl Phthalate	---	U	5.0	ug/L	
Benzo(B)Fluoranthene	---	U	5.0	ug/L	
Benzo(K)Fluoranthene	---	U	5.0	ug/L	
Benzo(A)Pyrene	---	U	5.0	ug/L	
Indeno(1,2,3-Cd)Pyrene	---	U	5.0	ug/L	
Dibenzo(A,H)Anthracene	---	U	5.0	ug/L	
Benzo(G,H,I)Perylene	---	U	5.0	ug/L	
Tetrachloroethylene	38	NJ		ug/L	
PCB Aroclors GC					
Aroclor 1016	---	U J	0.062	ug/L	
Aroclor 1221	---	U J	0.12	ug/L	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-GW-02-1				Sample ID: 1606044-04	
PCB Aroclors GC					
Aroclor 1232	---	U J	0.062	ug/L	
Aroclor 1242	---	U J	0.062	ug/L	
Aroclor 1248	---	U J	0.062	ug/L	
Aroclor 1254	---	U J	0.062	ug/L	
Aroclor 1260	---	U J	0.062	ug/L	
Aroclor 1262	---	U J	0.062	ug/L	
Aroclor 1268	---	U J	0.062	ug/L	
Metals ICP					
Aluminum	---	U	100	ug/L	
Antimony	---	U	20	ug/L	
Arsenic	---	U	8.0	ug/L	
Barium	---	U	100	ug/L	
Beryllium	---	U	3.0	ug/L	
Cadmium	---	U	3.0	ug/L	
Calcium	39000		500	ug/L	
Chromium	---	U	5.0	ug/L	
Cobalt	---	U	20	ug/L	
Copper	---	U	10	ug/L	
Iron	---	U	50	ug/L	
Lead	---	U	8.0	ug/L	
Magnesium	4700		500	ug/L	
Manganese	28		5.0	ug/L	
Nickel	---	U	20	ug/L	
Potassium	3200		500	ug/L	
Selenium	---	U	20	ug/L	
Silver	---	U	5.0	ug/L	
Sodium	84000		1000	ug/L	
Thallium	---	U	20	ug/L	

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-GW-02-1				Sample ID: 1606044-04	
Metals ICP					
Vanadium	---	U	20	ug/L	
Zinc	---	U	20	ug/L	
Field ID: KR-GW-03-1				Sample ID: 1606044-05	
VOA-TRACE GCMS					
Dichlorodifluoromethane	---	U	0.50	ug/L	
Chloromethane	---	U	0.50	ug/L	
Vinyl Chloride	---	U	0.50	ug/L	
Bromomethane	---	U	0.50	ug/L	
Chloroethane	---	U	0.50	ug/L	
Trichlorofluoromethane	---	U	0.50	ug/L	
1,1-Dichloroethene	---	U	0.50	ug/L	
1,1,2-Trichloro-1,2,2-Trifluoroethane	---	U	0.50	ug/L	
Carbon Disulfide	---	U	0.50	ug/L	
Acetone	---	U	5.0	ug/L	
Methyl Acetate	---	U	0.50	ug/L	
Methylene Chloride	---	U	0.50	ug/L	
trans-1,2-Dichloroethene	---	U	0.50	ug/L	
Methyl tert-Butyl Ether	---	U	0.50	ug/L	
1,1-Dichloroethane	---	U	0.50	ug/L	
cis-1,2-Dichloroethene	---	U	0.50	ug/L	
2-Butanone	---	U	5.0	ug/L	
Bromochloromethane	---	U	0.50	ug/L	
Chloroform	---	U	0.50	ug/L	
1,1,1-Trichloroethane	---	U	0.50	ug/L	
Cyclohexane	---	U	0.50	ug/L	
Carbon Tetrachloride	---	U	0.50	ug/L	
Benzene	---	U	0.50	ug/L	
1,2-Dichloroethane	---	U	0.50	ug/L	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-GW-03-1				Sample ID: 1606044-05	
VOA-TRACE GCMS					
Trichloroethene	23		0.50	ug/L	
1,2-Dichloropropane	---	U	0.50	ug/L	
Bromodichloromethane	---	U	0.50	ug/L	
cis-1,3-Dichloropropene	---	U	0.50	ug/L	
4-Methyl-2-Pentanone	---	U	5.0	ug/L	
Toluene	---	U	0.50	ug/L	
trans-1,3-Dichloropropene	---	U	0.50	ug/L	
1,1,2-Trichloroethane	---	U	0.50	ug/L	
Tetrachloroethene	120		10	ug/L	
Methylcyclohexane	---	U	0.50	ug/L	
Dibromochloromethane	---	U	0.50	ug/L	
1,2-Dibromoethane	---	U	0.50	ug/L	
2-Hexanone	---	U	5.0	ug/L	
Chlorobenzene	---	U	0.50	ug/L	
Ethylbenzene	---	U	0.50	ug/L	
m/p-Xylene	---	U	0.50	ug/L	
o-Xylene	---	U	0.50	ug/L	
Styrene	---	U	0.50	ug/L	
Bromoform	---	U	0.50	ug/L	
Isopropylbenzene	---	U	0.50	ug/L	
1,1,2,2-Tetrachloroethane	---	U	0.50	ug/L	
1,3-Dichlorobenzene	---	U	0.50	ug/L	
1,4-Dichlorobenzene	---	U	0.50	ug/L	
1,2-Dichlorobenzene	---	U	0.50	ug/L	
1,2-Dibromo-3-Chloropropane	---	U	0.50	ug/L	
1,2,4-Trichlorobenzene	---	U	0.50	ug/L	
1,2,3-Trichlorobenzene	---	U	0.50	ug/L	
NVOA GCMS					

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-GW-03-1					Sample ID: 1606044-05
NVOA GCMS					
1,4-Dioxane	---	U	2.1	ug/L	
Benzaldehyde	---	U	5.3	ug/L	
Phenol	---	U L	5.3	ug/L	
Bis(2-Chloroethyl)Ether	---	U	5.3	ug/L	
2-Chlorophenol	---	U L	5.3	ug/L	
2-Methylphenol	---	U L	5.3	ug/L	
Bis(2-Chloroisopropyl)Ether	---	U	5.3	ug/L	
Acetophenone	---	U	5.3	ug/L	
4-Methylphenol	---	U L	5.3	ug/L	
N-Nitroso-Di-N-Propylamine	---	U	5.3	ug/L	
Hexachloroethane	---	U	5.3	ug/L	
Nitrobenzene	---	U	5.3	ug/L	
Isophorone	---	U	5.3	ug/L	
2-Nitrophenol	---	U L	5.3	ug/L	
2,4-Dimethylphenol	---	U L	5.3	ug/L	
Bis(-2-Chloroethoxy)Methane	---	U	5.3	ug/L	
2,4-Dichlorophenol	---	U L	5.3	ug/L	
Naphthalene	---	U	5.3	ug/L	
4-Chloroaniline	---	U	5.3	ug/L	
Hexachlorobutadiene	---	U	5.3	ug/L	
Caprolactam	---	U	5.3	ug/L	
4-Chloro-3-Methylphenol	---	U L	5.3	ug/L	
2-Methylnaphthalene	---	U	5.3	ug/L	
1,2,4,5-Tetrachlorobenzene	---	U	5.3	ug/L	
Hexachlorocyclopentadiene	---	U	5.3	ug/L	
2,4,6-Trichlorophenol	---	U	5.3	ug/L	
2,4,5-Trichlorophenol	---	U	5.3	ug/L	
Biphenyl	---	U	5.3	ug/L	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-GW-03-1				Sample ID: 1606044-05	
NVOA GCMS					
2-Chloronaphthalene	---	U	5.3	ug/L	
2-Nitroaniline	---	U	5.3	ug/L	
Dimethyl Phthalate	---	U	5.3	ug/L	
Acenaphthylene	---	U	5.3	ug/L	
2,6-Dinitrotoluene	---	U	5.3	ug/L	
3-Nitroaniline	---	U	5.3	ug/L	
Acenaphthene	---	U	5.3	ug/L	
2,4-Dinitrophenol	---	U	27	ug/L	
4-Nitrophenol	---	U	5.3	ug/L	
Dibenzofuran	---	U	5.3	ug/L	
2,4-Dinitrotoluene	---	U	5.3	ug/L	
2,3,4,6-Tetrachlorophenol	---	U	5.3	ug/L	
Fluorene	---	U	5.3	ug/L	
Diethylphthalate	---	U	5.3	ug/L	
4-Chlorophenyl-Phenylether	---	U	5.3	ug/L	
4-Nitroaniline	---	U	5.3	ug/L	
4,6-Dinitro-2-Methylphenol	---	U	5.3	ug/L	
N-Nitrosodiphenylamine	---	U	5.3	ug/L	
4-Bromophenyl-Phenylether	---	U	5.3	ug/L	
Hexachlorobenzene	---	U	5.3	ug/L	
Atrazine	---	U	5.3	ug/L	
Pentachlorophenol	---	U	5.3	ug/L	
Phenanthrene	---	U	5.3	ug/L	
Anthracene	---	U	5.3	ug/L	
Carbazole	---	U	5.3	ug/L	
Di-N-Butyl Phthalate	---	U	5.3	ug/L	
Fluoranthene	---	U	5.3	ug/L	
Pyrene	---	U	5.3	ug/L	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-GW-03-1				Sample ID: 1606044-05	
NVOA GCMS					
Butylbenzylphthalate	---	U	5.3	ug/L	
3,3'- Dichlorobenzidine	---	U	5.3	ug/L	
Benzo(A)Anthracene	---	U	5.3	ug/L	
Chrysene	---	U	5.3	ug/L	
Bis(2-Ethylhexyl)Phthalate	---	U	5.3	ug/L	
Di-N-Octyl Phthalate	---	U	5.3	ug/L	
Benzo(B)Fluoranthene	---	U	5.3	ug/L	
Benzo(K)Fluoranthene	---	U	5.3	ug/L	
Benzo(A)Pyrene	---	U	5.3	ug/L	
Indeno(1,2,3-Cd)Pyrene	---	U	5.3	ug/L	
Dibenzo(A,H)Anthracene	---	U	5.3	ug/L	
Benzo(G,H,I)Perylene	---	U	5.3	ug/L	
Tetrachloroethylene	14	NJ		ug/L	
PCB Aroclors GC					
Aroclor 1016	---	U J	0.062	ug/L	
Aroclor 1221	---	U J	0.12	ug/L	
Aroclor 1232	---	U J	0.062	ug/L	
Aroclor 1242	---	U J	0.062	ug/L	
Aroclor 1248	---	U J	0.062	ug/L	
Aroclor 1254	---	U J	0.062	ug/L	
Aroclor 1260	---	U J	0.062	ug/L	
Aroclor 1262	---	U J	0.062	ug/L	
Aroclor 1268	---	U J	0.062	ug/L	

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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: KR-GW-03-1				Sample ID: 1606044-05	
Metals ICP					
Aluminum	---	U	100	ug/L	
Antimony	---	U	20	ug/L	
Arsenic	---	U	8.0	ug/L	
Barium	---	U	100	ug/L	
Beryllium	---	U	3.0	ug/L	
Cadmium	---	U	3.0	ug/L	
Calcium	39000		500	ug/L	
Chromium	---	U	5.0	ug/L	
Cobalt	---	U	20	ug/L	
Copper	---	U	10	ug/L	
Iron	---	U	50	ug/L	
Lead	---	U	8.0	ug/L	
Magnesium	3700		500	ug/L	
Manganese	60		5.0	ug/L	
Nickel	---	U	20	ug/L	
Potassium	3000		500	ug/L	
Selenium	---	U	20	ug/L	
Silver	---	U	5.0	ug/L	
Sodium	58000		1000	ug/L	
Thallium	---	U	20	ug/L	
Vanadium	---	U	20	ug/L	
Zinc	---	U	20	ug/L	
Field ID: TB-01				Sample ID: 1606044-06	
VOA-TRACE GCMS					
Dichlorodifluoromethane	---	U	0.50	ug/L	
Chloromethane	---	U	0.50	ug/L	
Vinyl Chloride	---	U	0.50	ug/L	

NOTE: The results recorded in this report relate only to the samples as received on the date and at the time noted

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: TB-01				Sample ID: 1606044-06	
VOA-TRACE GCMS					
Bromomethane	---	U	0.50	ug/L	
Chloroethane	---	U	0.50	ug/L	
Trichlorofluoromethane	---	U	0.50	ug/L	
1,1-Dichloroethene	---	U	0.50	ug/L	
1,1,2-Trichloro-1,2,2-Trifluoroethane	---	U	0.50	ug/L	
Carbon Disulfide	---	U	0.50	ug/L	
Acetone	36		5.0	ug/L	
Methyl Acetate	---	U	0.50	ug/L	
Methylene Chloride	---	U	0.50	ug/L	
trans-1,2-Dichloroethene	---	U	0.50	ug/L	
Methyl tert-Butyl Ether	---	U	0.50	ug/L	
1,1-Dichloroethane	---	U	0.50	ug/L	
cis-1,2-Dichloroethene	---	U	0.50	ug/L	
2-Butanone	---	U	5.0	ug/L	
Bromochloromethane	---	U	0.50	ug/L	
Chloroform	---	U	0.50	ug/L	
1,1,1-Trichloroethane	---	U	0.50	ug/L	
Cyclohexane	---	U	0.50	ug/L	
Carbon Tetrachloride	---	U	0.50	ug/L	
Benzene	---	U	0.50	ug/L	
1,2-Dichloroethane	---	U	0.50	ug/L	
Trichloroethene	---	U	0.50	ug/L	
1,2-Dichloropropane	---	U	0.50	ug/L	
Bromodichloromethane	---	U	0.50	ug/L	
cis-1,3-Dichloropropene	---	U	0.50	ug/L	
4-Methyl-2-Pentanone	---	U	5.0	ug/L	
Toluene	---	U	0.50	ug/L	
trans-1,3-Dichloropropene	---	U	0.50	ug/L	

Final Report

Project: Kingston Rail Yard - 1606029

Project Number: 1606029

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
Field ID: TB-01				Sample ID: 1606044-06	
VOA-TRACE GCMS					
1,1,2-Trichloroethane	---	U	0.50	ug/L	
Tetrachloroethene	---	U	0.50	ug/L	
Methylcyclohexane	---	U	0.50	ug/L	
Dibromochloromethane	---	U	0.50	ug/L	
1,2-Dibromoethane	---	U	0.50	ug/L	
2-Hexanone	---	U	5.0	ug/L	
Chlorobenzene	---	U	0.50	ug/L	
Ethylbenzene	---	U	0.50	ug/L	
m/p-Xylene	---	U	0.50	ug/L	
o-Xylene	---	U	0.50	ug/L	
Styrene	---	U	0.50	ug/L	
Bromoform	---	U	0.50	ug/L	
Isopropylbenzene	---	U	0.50	ug/L	
1,1,2,2-Tetrachloroethane	---	U	0.50	ug/L	
1,3-Dichlorobenzene	---	U	0.50	ug/L	
1,4-Dichlorobenzene	---	U	0.50	ug/L	
1,2-Dichlorobenzene	---	U	0.50	ug/L	
1,2-Dibromo-3-Chloropropane	---	U	0.50	ug/L	
1,2,4-Trichlorobenzene	---	U	0.50	ug/L	
1,2,3-Trichlorobenzene	---	U	0.50	ug/L	

APPENDIX C

EDR and Historical Records Search

Midtown Kingston Yard
Cornell Street
Kingston, NY 12401

Inquiry Number: 4482878.1
December 03, 2015

Certified Sanborn® Map Report

6 Armstrong Road, 4th Floor
Shelton, Connecticut 06484
Toll Free: 800.352.0050
www.edrnet.com

Certified Sanborn® Map Report

12/03/15

Site Name:
Midtown Kingston Yard
Cornell Street
Kingston, NY 12401

Client Name:
Ulster County
17 Pearl St
Kingston, NY 12402

EDR Inquiry # 4482878.1

Contact: Amanda Lavalle

The Sanborn Library has been searched by EDR and maps covering the target property location as provided by Ulster County were identified for the years listed below. The Sanborn Library is the largest, most complete collection of fire insurance maps. The collection includes maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow, and others. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by the Sanborn Library LLC, the copyright holder for the collection. Results can be authenticated by visiting www.edrnet.com/sanborn.

The Sanborn Library is continually enhanced with newly identified map archives. This report accesses all maps in the collection as of the day this report was generated.

Certified Sanborn Results:

Site Name: Midtown Kingston Yard
Address: Cornell Street
City, State, Zip: Kingston, NY 12401
Cross Street:
P.O. # NA
Project: Midtown Kingston Railyard
Certification # CCA0-4A86-8147

Maps Provided:

1987
1984
1972
1957
1950
1899

Sanborn® Library search results
Certification # CCA0-4A86-8147

The Sanborn Library includes more than 1.2 million fire insurance maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow and others which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

- ☑ Library of Congress
- ☑ University Publications of America
- ☑ EDR Private Collection

The Sanborn Library LLC Since 1866™

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Sanborn Sheet Thumbnails

This Certified Sanborn Map Report is based upon the following Sanborn Fire Insurance map sheets.

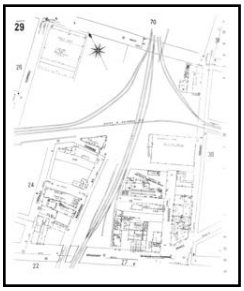
1987 Source Sheets



Volume 1, Sheet 24



Volume 1, Sheet 26

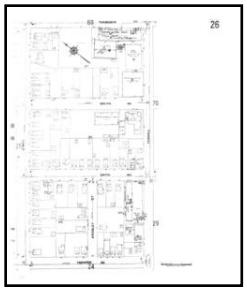


Volume 1, Sheet 29

1984 Source Sheets



Volume 1, Sheet 24



Volume 1, Sheet 26

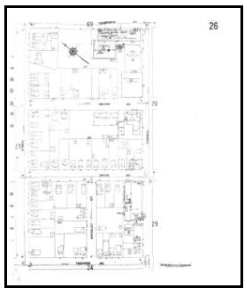


Volume 1, Sheet 29

1972 Source Sheets



Volume 1, Sheet 24



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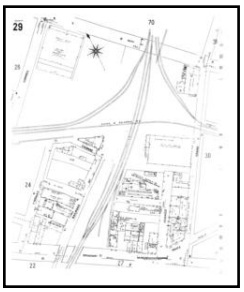
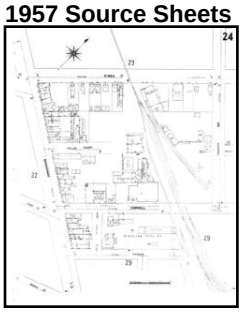


Volume 1, Sheet 29

1957 Source Sheets



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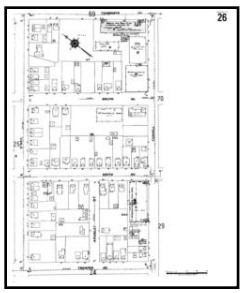

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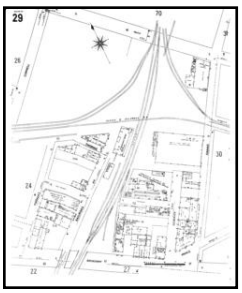
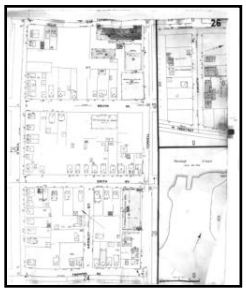


Volume 1, Sheet 29

1950 Source Sheets



Volume 1, Sheet 24



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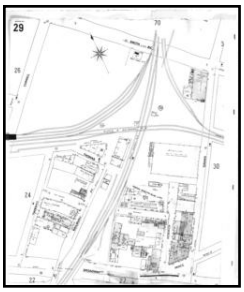

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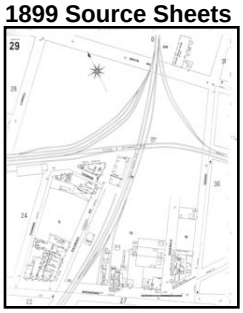
1899 Source Sheets



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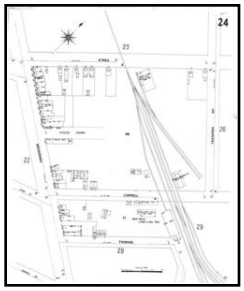
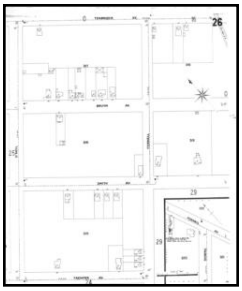


Volume 1, Sheet 24



Volume 1, Sheet 26

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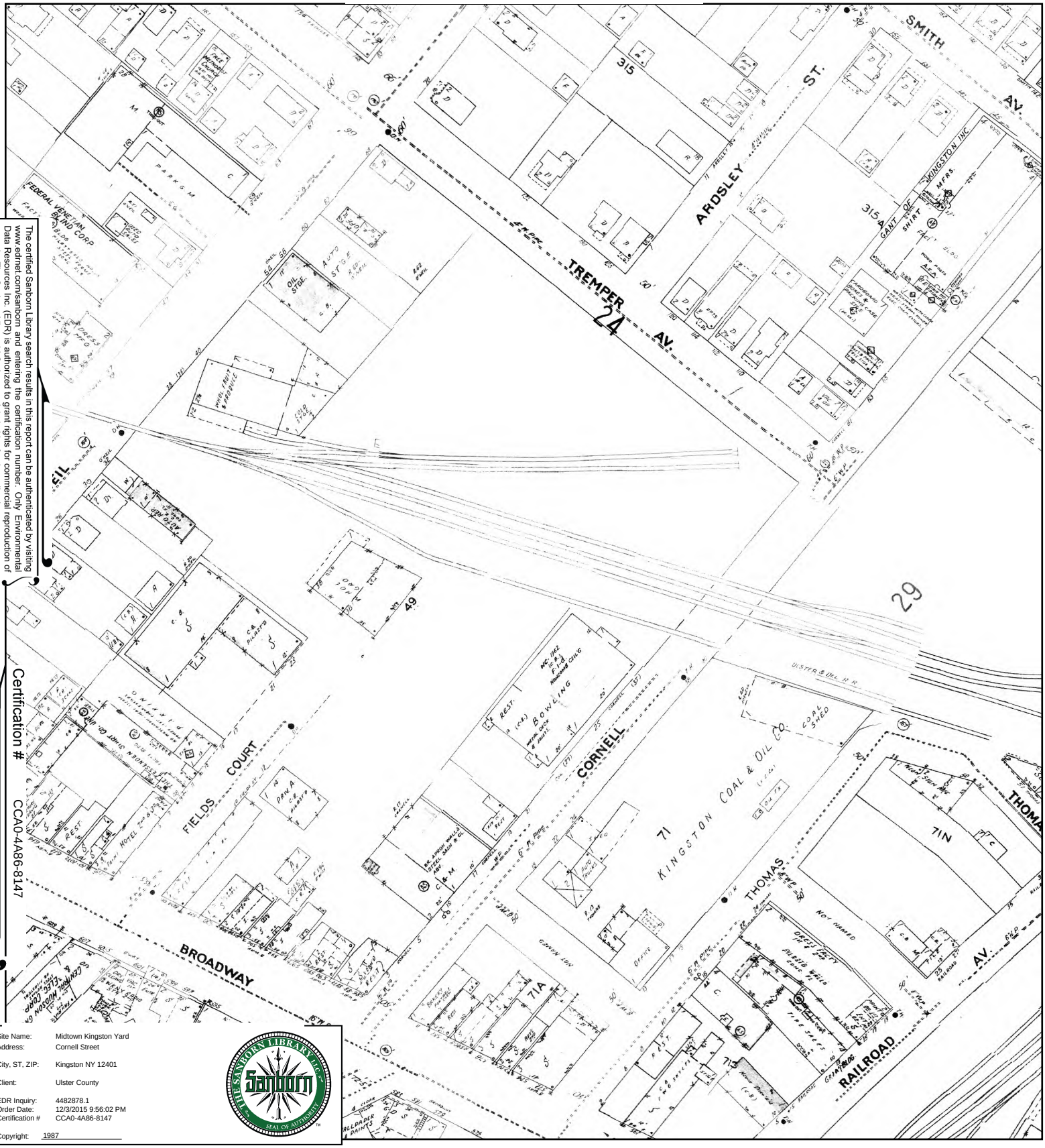

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Certification # CCA0-4A86-8147

Site Name:	Midtown Kingston Yard
Address:	Cornell Street
City, ST, ZIP:	Kingston NY 12401
Client:	Ulster County
EDR Inquiry:	4482878.1
Order Date:	12/3/2015 9:56:02 PM
Certification #	CCA0-4A86-8147
Copyright:	1987

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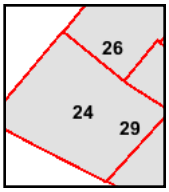

Volume 1, Sheet 24
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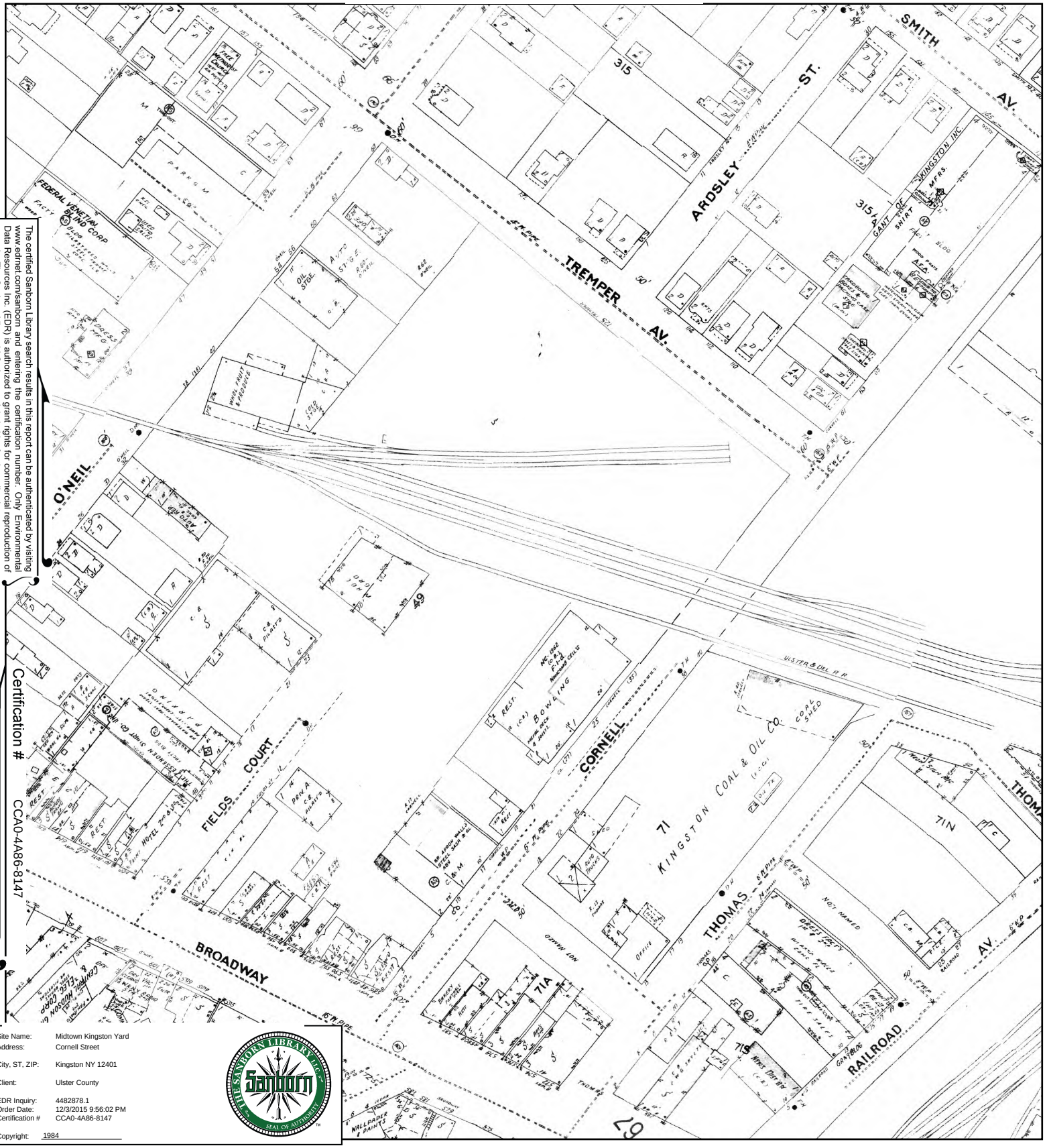
0 Feet 150 300 600

N

1984 Certified Sanborn Map



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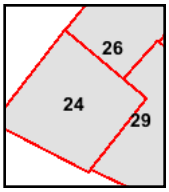

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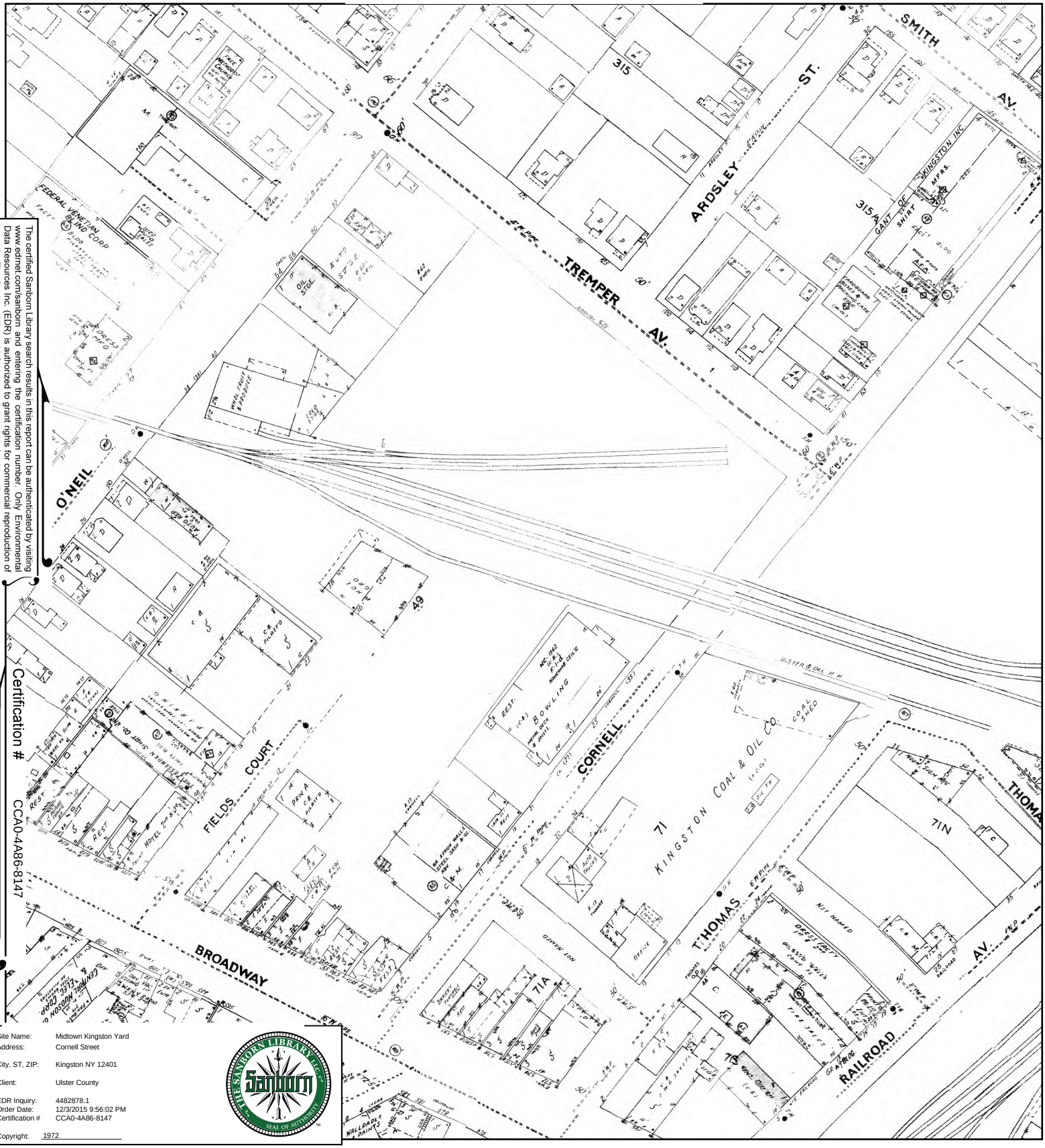
Volume 1, Sheet 29

0 Feet 150 300 600

N

1972 Certified Sanborn Map



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Site Name:	Midtown Kingston Yard
Address:	Cornell Street
City, ST, ZIP:	Kingston NY 12401
Client:	Ulster County
EDR Inquiry:	4482878.1
Order Date:	12/3/2015 9:56:02 PM
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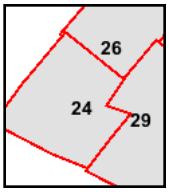

Volume 1, Sheet 24
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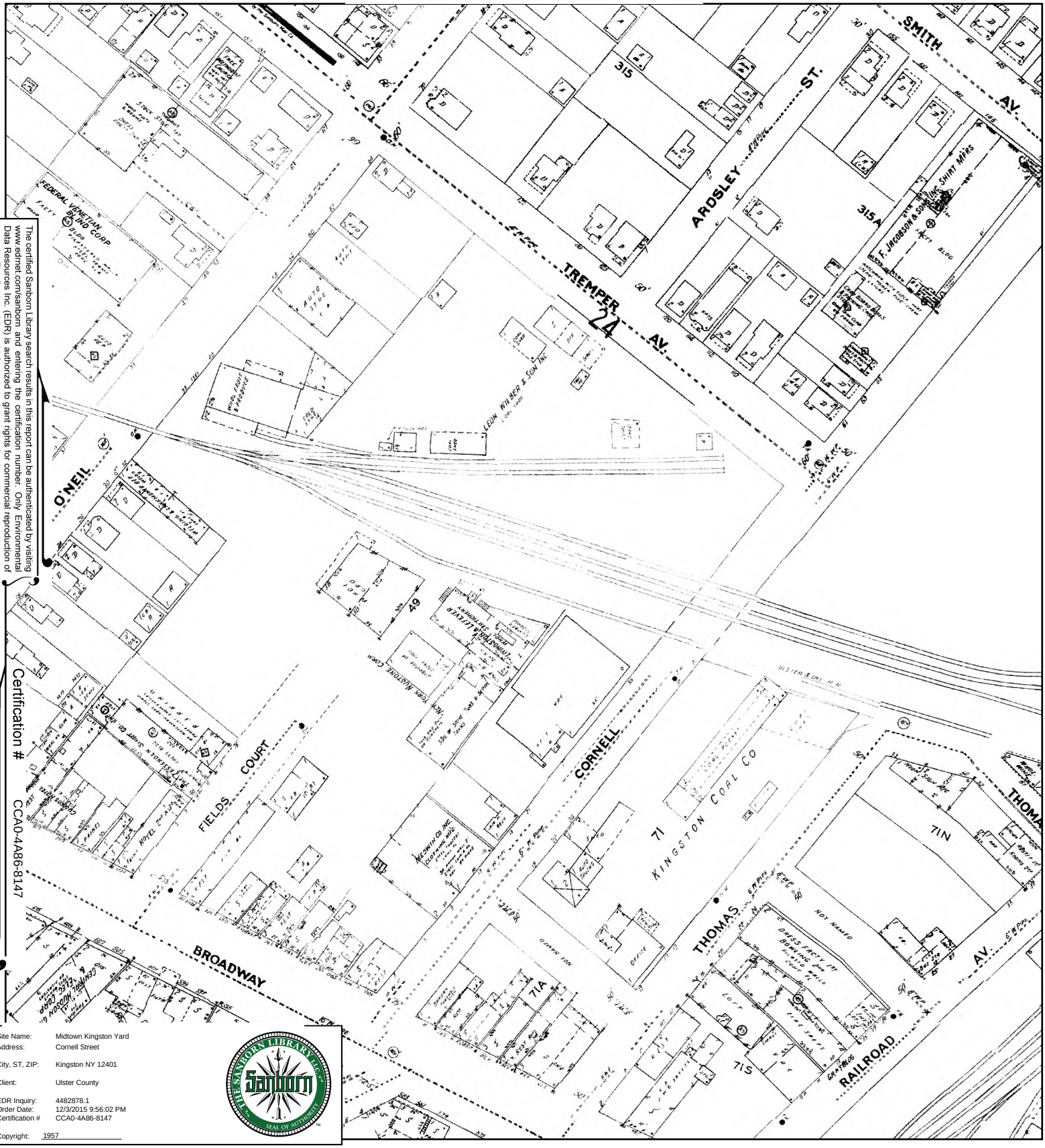
Volume 1, Sheet 29

0 Feet 150 300 600

N

1957 Certified Sanborn Map



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Site Name:	Midtown Kingston Yard
Address:	Cornell Street
City, ST, ZIP:	Kingston NY 12401
Client:	Ulster County
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Certification #	CCA0-4A86-8147
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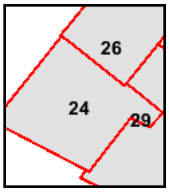

Volume 1, Sheet 24
Volume 1, Sheet 26
Volume 1, Sheet 29

0 Feet 150 300 600

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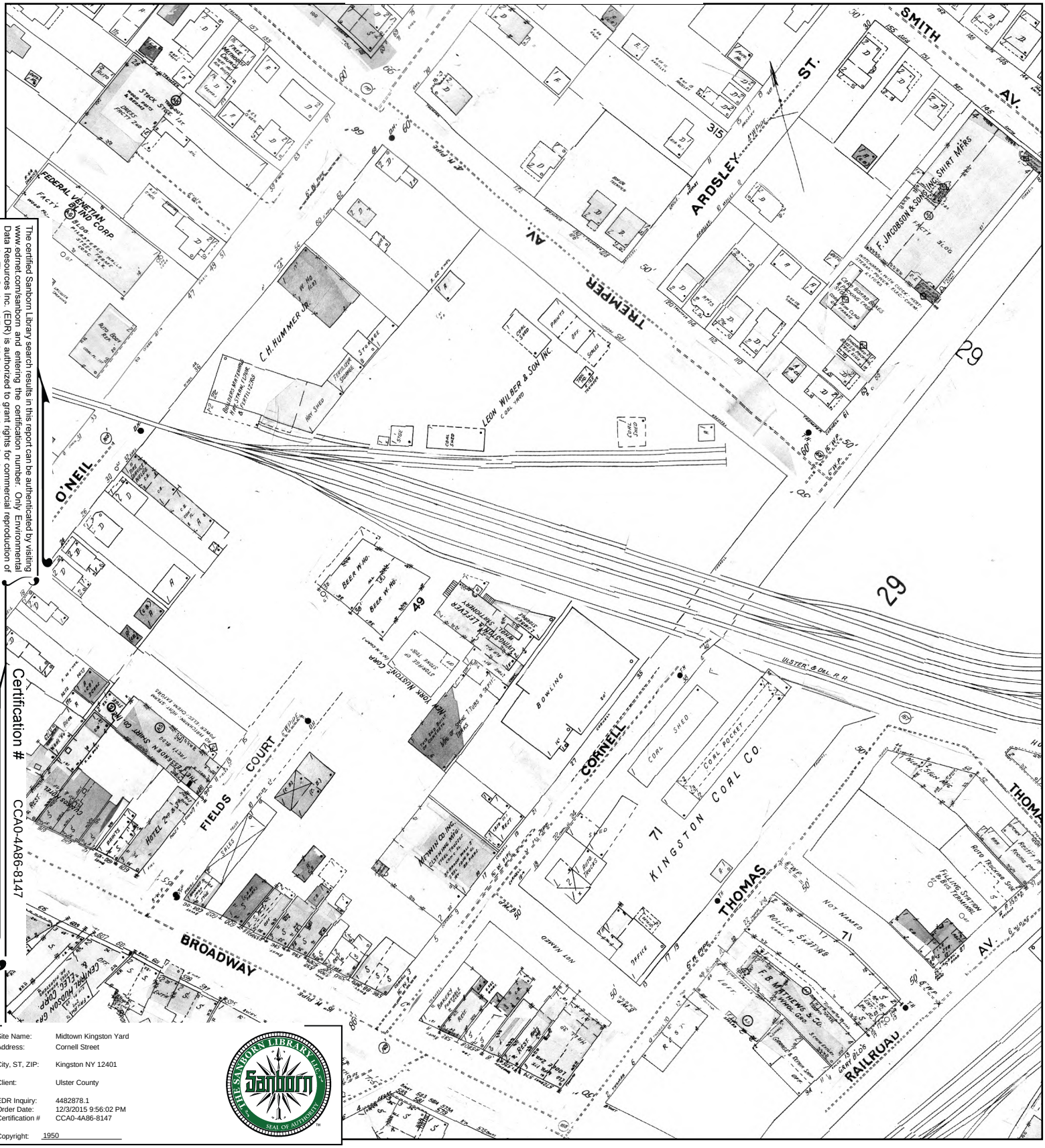
1950 Certified Sanborn Map



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Site Name: Midtown Kingston Yard
Address: Cornell Street
City, ST, ZIP: Kingston NY 12401
Client: Ulster County
EDR Inquiry: 4482878.1
Order Date: 12/3/2015 9:56:02 PM
Certification # CCA0-4A86-8147
Copyright: 1950

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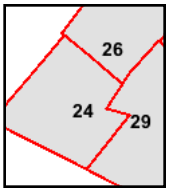
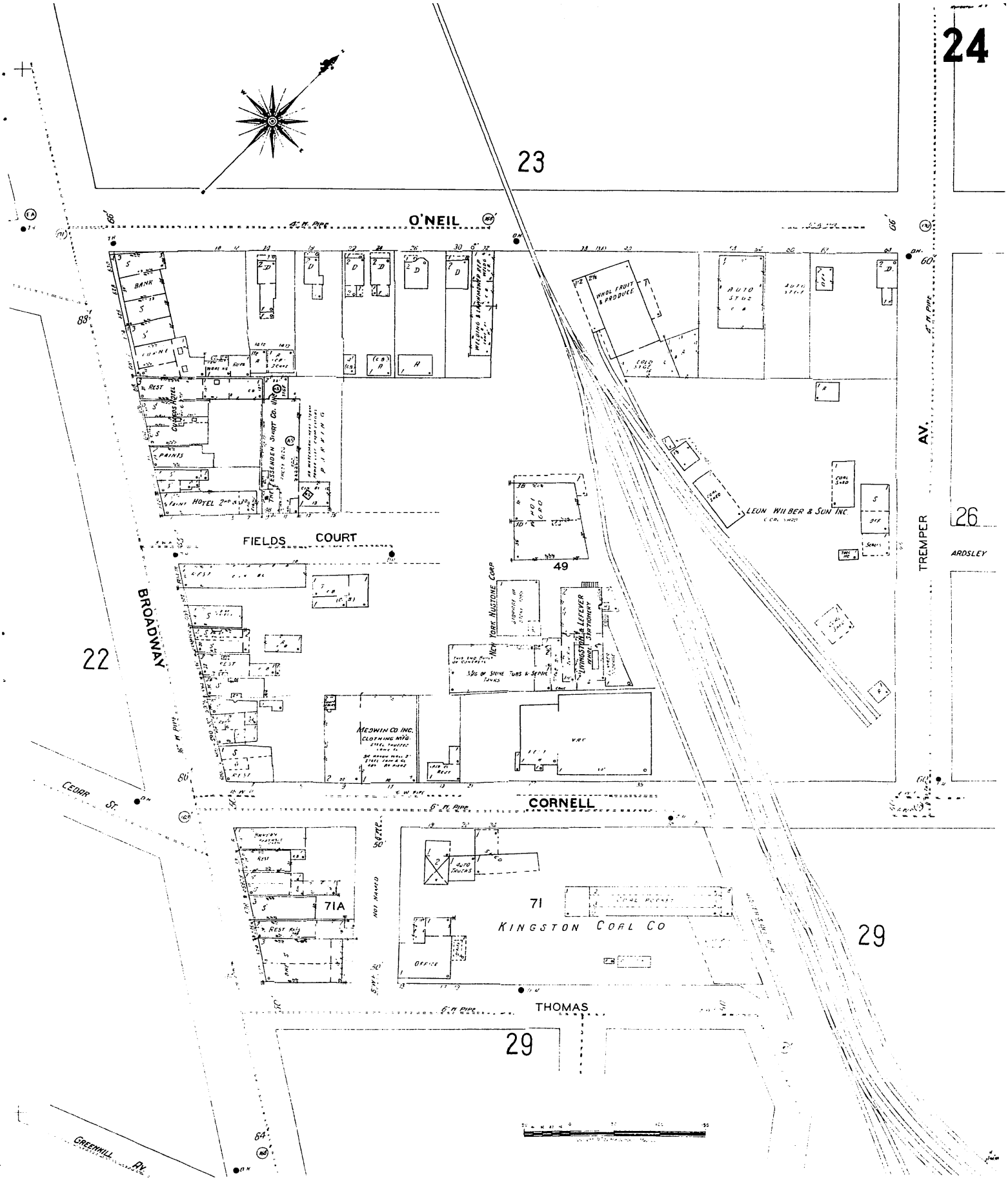
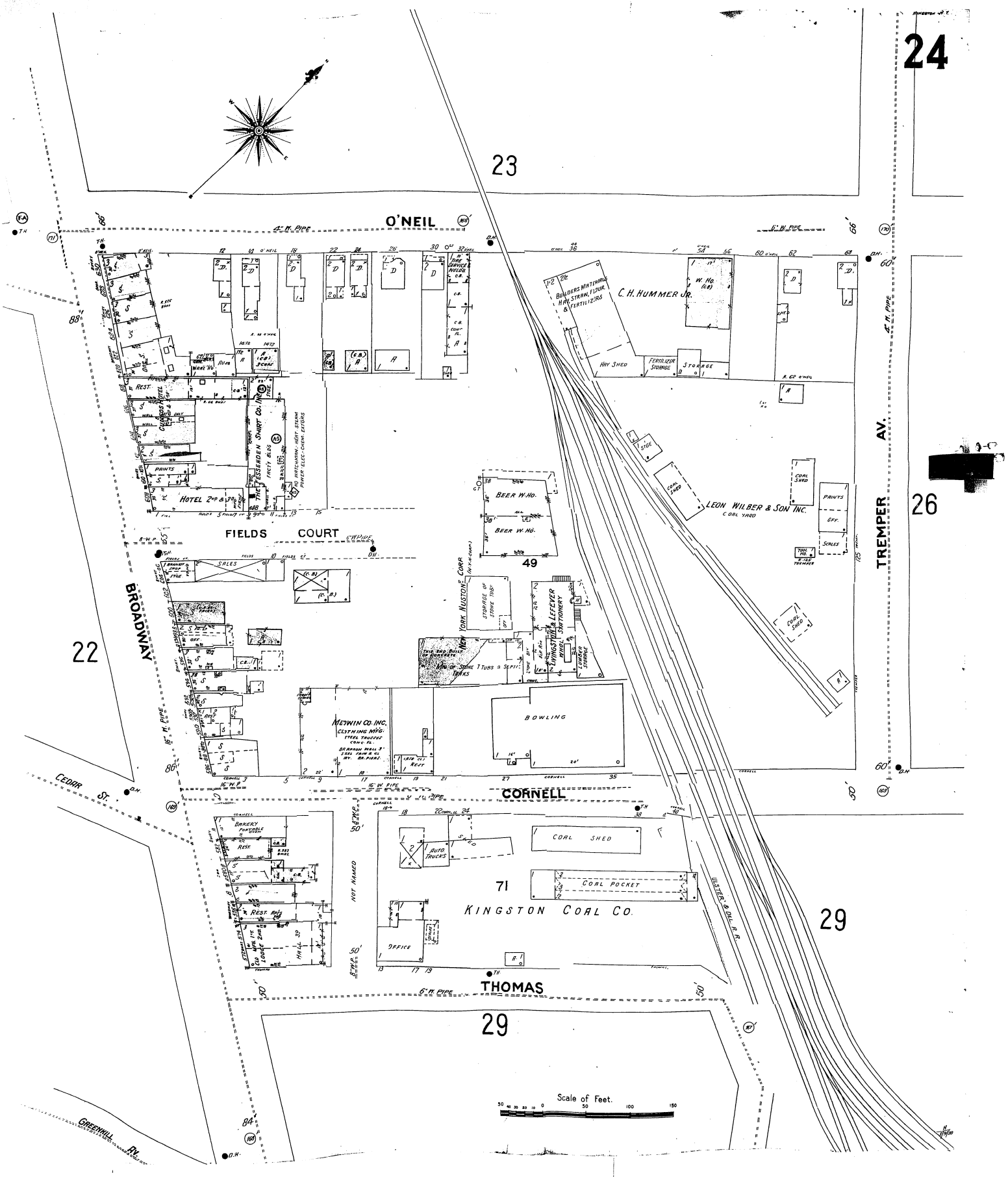


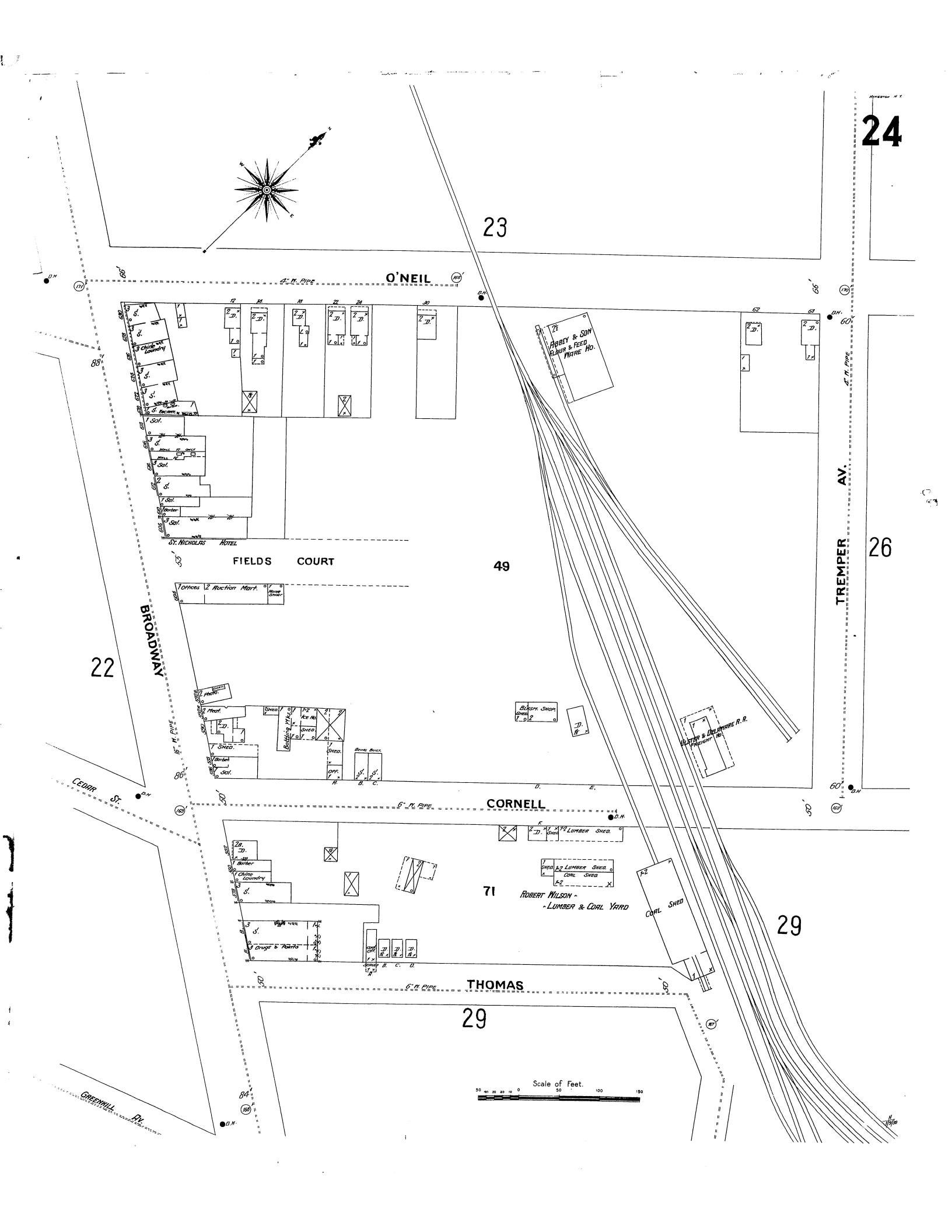
Volume 1, Sheet 24
Volume 1, Sheet 26
Volume 1, Sheet 29

0 Feet 150 300 600

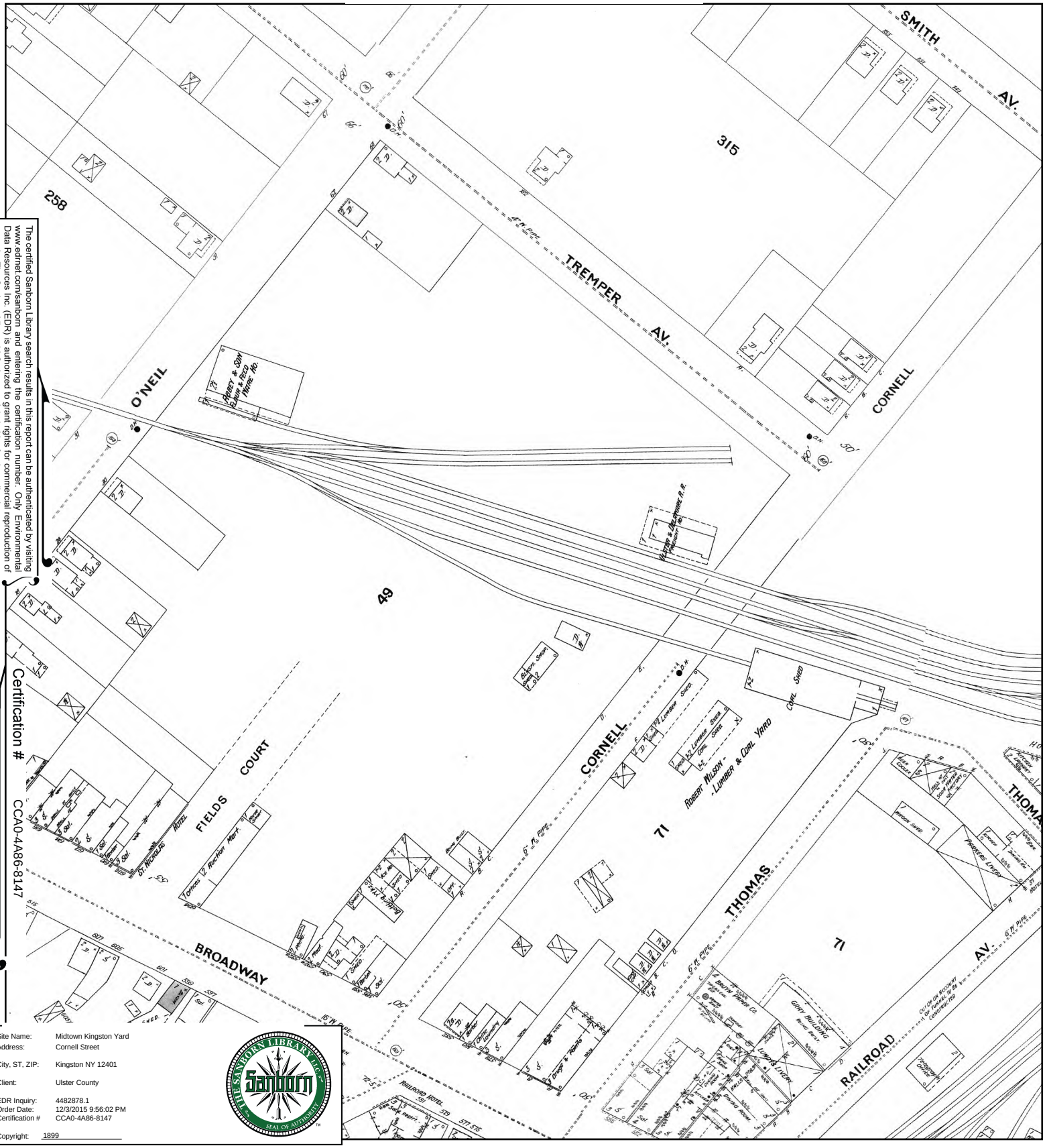
N


24
23
O'NEIL
4" N. PIPE
BANK
PAINTS
GUARDS HOTEL
SAINT HOTEL 2ND & 3RD
THE ESSEX DEN SHIRT CO. INC.
WHOL FRUIT & PRODUCE
AUTO STGE
LEON WILBER & SON INC
TREMPER AV.
26
ARDSLEY
FIELDS COURT
49
BROADWAY
22
NEW YORK NUSTONE CORP
LIVINGSTON & LEFEVER PRINT STATIONERY
MEDWIN CO INC. CLOTHING MFG.
CEDAR ST.
CORNELL
6" N. PIPE
71A
71
KINGSTON COAL CO
AUTO TRUCKS
OFFICE
29
THOMAS
GREENHILL AV.


24
23
O'NEIL
4" W. Pipe
6" W. Pipe
TREMPER AV.
26
22
BROADWAY
FIELDS COURT
16' W. P.
49
BEER W. HO.
BEER W. HO.
C. H. HUMMER JR.
BUILDERS MATERIALS HAY, STRAW, FLOUR & FERTILIZERS
HAY SHED
FERTILIZER STORAGE
STORAGE
LEON WILBER & SON INC.
COAL YARD
COAL SHED
PAINTS
OFF.
SCALES
HOTEL 2nd & 3rd
REST.
THE ESSEX SHIRT CO. INC.
YORK HUSTON CORP.
STORAGE OF STONE TILES
LIVINGSTON LEFEVER MEMORIAL SANITARIUM
NEW CONCRETE TANKS
STONE TUBS & SEPTIC
MEDWIN CO. INC.
CLOTHING MFG.
BOWLING
CEDAR ST.
CORNELL
BAKERY
REST.
NOT NAMED
71
KINGSTON COAL CO.
AUTO TRUCKS
COAL SHED
COAL POCKET
OFFICE
ULSTER & DEL. R.R.
29
THOMAS
6" W. PIPE
GREENHILL AV.
Scale of Feet.
50 40 30 20 10 0 50 100 150


24
23
O'NEIL
4" N. PIPE
66'
D.H.
ABBEY & SON FLOUR & FEED WARE HO.
TREMPER AV.
4" N. PIPE
26
88½'
Chine Laundry
ST. NICHOLAS HOTEL
FIELDS COURT
49
Offices
Auction Mart.
Horse Shed
BROADWAY
22
18" N. PIPE
86½'
Boarding House
Ice Ho.
Shed
Off.
Being Built
Blksm. Shop
ULSTER & DELAWARE R.R. FREIGHT HO.
CEDAR ST.
D.H.
6" N. PIPE
CORNELL
50'
LUMBER SHED.
COAL SHED
71
ROBERT WILSON - LUMBER & COAL YARD
Drugs & Paints
29
6" N. PIPE
THOMAS
29
Scale of Feet.
50 40 30 20 10 0 50 100 150
GREENHILL AV.
84'
D.H.

1899 Certified Sanborn Map



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Certification # CCA0-4A86-8147

Site Name:	Midtown Kingston Yard
Address:	Cornell Street
City, ST, ZIP:	Kingston NY 12401
Client:	Ulster County
EDR Inquiry:	4482878.1
Order Date:	12/3/2015 9:56:02 PM
Certification #	CCA0-4A86-8147
Copyright:	1899

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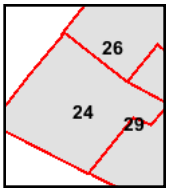
Outlined areas indicate map sheets within the collection.





Volume 1, Sheet 29
Volume 1, Sheet 24
Volume 1, Sheet 26

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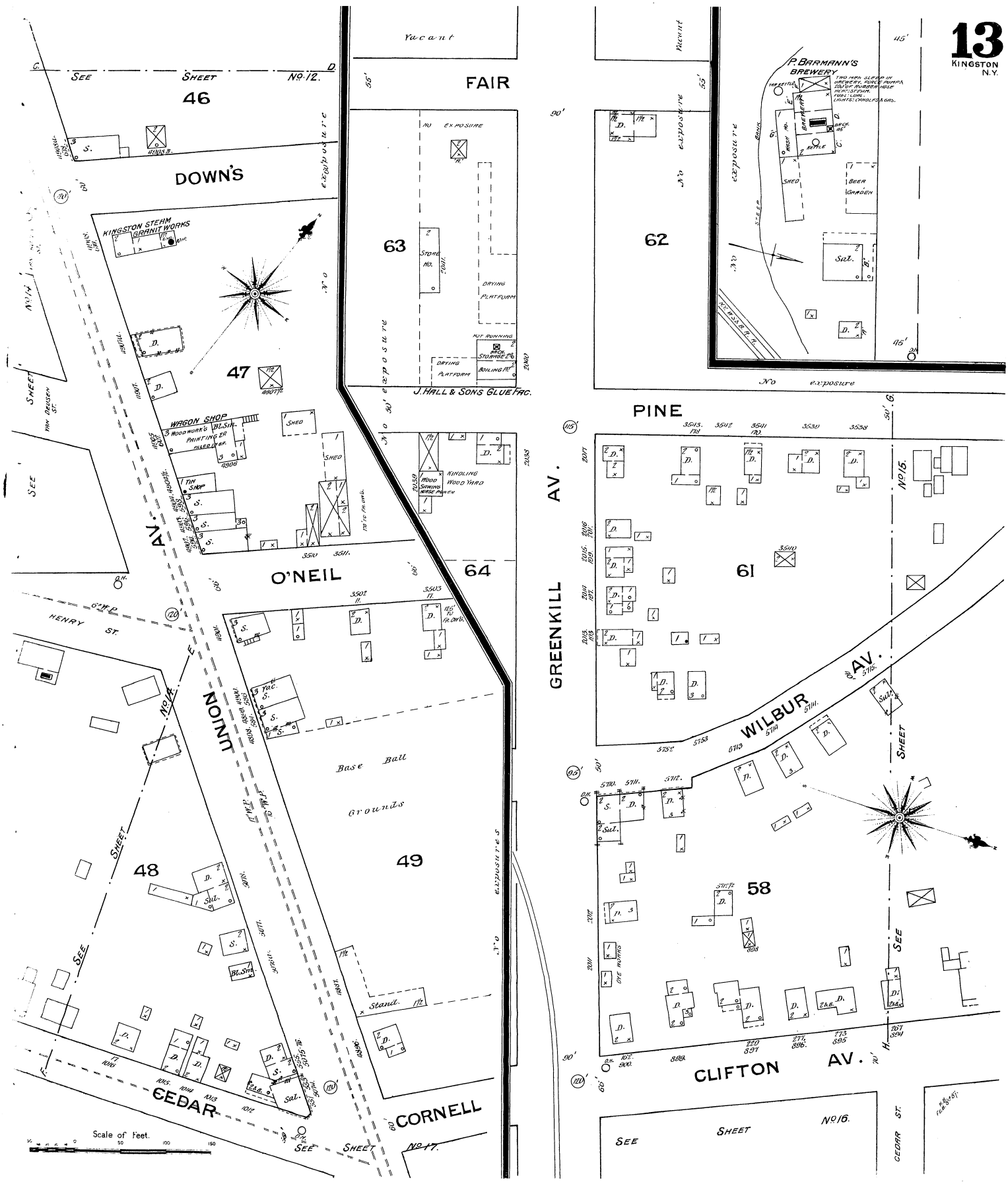
13
KINGSTON
N.Y.
FAIR
Vacant
DOWN'S
46
47
63
62
64
61
58
49
48
O'NEIL
PINE
GREENKILL AV.
WILBUR
CLIFTON AV.
CEDAR
CORNELL
UNION
HENRY ST.
KINGSTON STEAM GRANIT WORKS
WAGON SHOP
TIN SHOP
KINDLING WOOD YARD
J. HALL & SONS GLUE FAC.
P. BARMANN'S BREWERY
BEER GARDEN
SHED
STORE HO.
DRYING PLATFORM
BOILING R.
BASE BALL GROUNDS
Scale of Feet.
SEE SHEET No. 12.
SEE SHEET No. 17.
SEE SHEET No. 16.
SEE SHEET No. 15.

25 Field Court

25 Field Court

Kingston, NY 12401

Inquiry Number: 5159775.1

January 17, 2018

The EDR Aerial Photo Decade Package

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Aerial Photo Decade Package

01/17/18

Site Name:

25 Field Court
25 Field Court
Kingston, NY 12401
EDR Inquiry # 5159775.1

Client Name:

Dvirka & Bartilucci Cons. Eng.
330 Crossways Park Drive
Woodbury, NY 11797
Contact: Lindsay Peppe

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Search Results:

Year	*Scale*	*Details*	*Source*
2011	1"=500'	Flight Year: 2011	USDA/NAIP
2009	1"=500'	Flight Year: 2009	USDA/NAIP
2006	1"=500'	Flight Year: 2006	USDA/NAIP
1995	1"=500'	Acquisition Date: March 27, 1995	USGS/DOQQ
1986	1"=500'	Flight Date: March 31, 1986	USGS
1984	1"=500'	Flight Date: March 26, 1984	USGS
1978	1"=1000'	Flight Date: April 23, 1978	USGS
1963	1"=500'	Flight Date: April 16, 1963	USGS
1958	1"=750'	Flight Date: August 05, 1958	USGS

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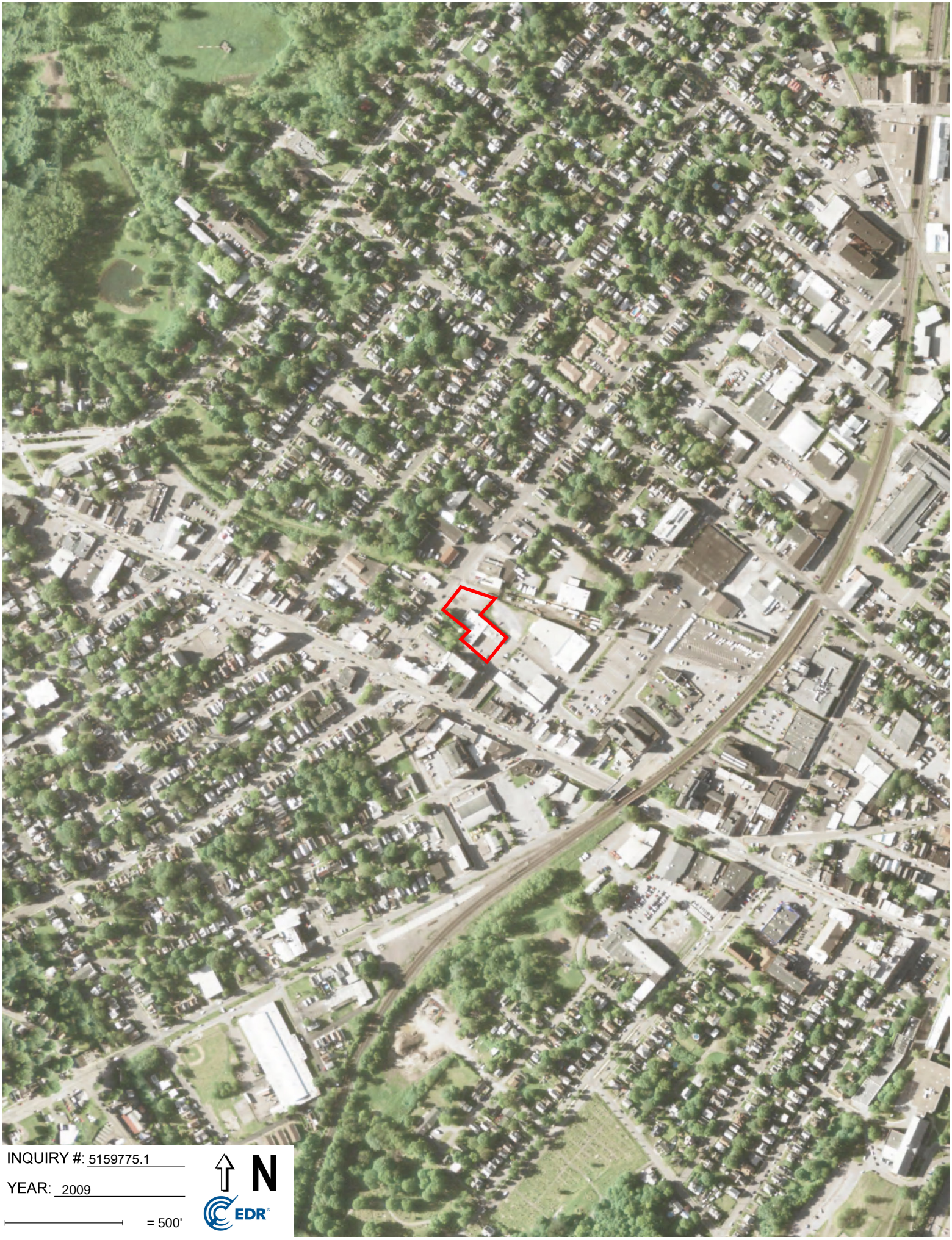
INQUIRY #: 5159775.1

YEAR: 2011

= 500'

N

EDR


INQUIRY #: 5159775.1
YEAR: 2009
= 500'
N
EDR



INQUIRY #: 5159775.1

YEAR: 2006

= 500'

N

EDR



INQUIRY #: 5159775.1

YEAR: 1995

= 500'

N

EDR

Subject boundary not shown because it exceeds image extent or image is not georeferenced.


INQUIRY #: 5159775.1
YEAR: 1986
= 500'
N
EDR


INQUIRY #: 5159775.1
YEAR: 1984
= 500'
N
EDR



INQUIRY #: 5159775.1

YEAR: 1978

= 1000'

N

EDR

Subject boundary not shown because it exceeds image extent or image is not georeferenced.



INQUIRY #: 5159775.1

YEAR: 1963

= 500'

N

EDR


INQUIRY #: 5159775.1
YEAR: 1958
= 750'
N
EDR
Subject boundary not shown because it exceeds image extent or image is not georeferenced.

Field Court
25 Field Court
Kingston, NY 12401

Inquiry Number: 5077646.2s
October 16, 2017

The EDR Radius Map™ Report

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

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GEOCHECK ADDENDUM

GeoCheck - Not Requested

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-13) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

25 FIELD COURT
KINGSTON, NY 12401

COORDINATES

Latitude (North):	41.9303360 - 41° 55' 49.20''
Longitude (West):	74.0038220 - 74° 0' 13.75''
Universal Tranverse Mercator:	Zone 18
UTM X (Meters):	582593.8
UTM Y (Meters):	4642308.0
Elevation:	182 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	5940395 KINGSTON WEST, NY
Version Date:	2013
East Map:	5939749 KINGSTON EAST, NY
Version Date:	2013

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	20150607
Source:	USDA

MAPPED SITES SUMMARY

Target Property Address:
25 FIELD COURT
KINGSTON, NY 12401

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
A1	NEAR O'NEIL ST CENTE	25 FIELD COURT	NY Spills		TP
A2	THE WONDERLY COMPANY	25 CORNELL STREET	NY UST	Higher	65, 0.012, ENE
B3	CITY OF KINGSTON FIE	10 FIELD COURT	NY LTANKS	Higher	158, 0.030, SSW
B4	VOLPIANI HAWTHORNE	11 FIELD CT	RCRA NonGen / NLR, FINDS, ECHO, NY MANIFEST	Lower	172, 0.033, WSW
5	REAR OF RESIDENCE	18 O'NEIL ST	NY Spills	Lower	303, 0.057, West
C6	SAFECO ALARMS	612 BROADWAY	NY LTANKS	Lower	310, 0.059, SW
7	BOICE BROTHERS DAIRY	36 O NEIL ST	FINDS	Higher	310, 0.059, North
C8	CHEEKAM MART, INC.	625 BROADWAY & HENRY	NY UST	Lower	388, 0.073, SW
D9	SCHABOTS AUTO BODY	29 O'NEIL ST	FINDS, ECHO	Lower	396, 0.075, NW
D10	SCHABOTS AUTO BODY	29 O'NEIL ST	US AIRS	Lower	396, 0.075, NW
D11	SCHABOT AUTO BODY	29 ONEIL ST	RCRA-CESQG, NY MANIFEST, NJ MANIFEST	Lower	396, 0.075, NW
12	ECKERT WALTER	3 CEDAR ST	EDR Hist Auto	Higher	436, 0.083, South
13	AMERICAN CLEANERS &	624 BROADWAY	EDR Hist Cleaner	Lower	448, 0.085, WSW
14	ULSTER PERFORMING AR	601 BROADWAY	NY Spills	Lower	487, 0.092, SSW
E15	TONY MINERVINI AUTO	117 TREMPER AVE	RCRA NonGen / NLR, NY MANIFEST	Higher	490, 0.093, NE
E16	TONY MINERVINI AUTO	117 TREMPER AVE	RCRA NonGen / NLR, FINDS, ECHO, NY MANIFEST	Higher	490, 0.093, NE
F17	SIDEWALK	580 BROADWAY	NY Spills	Higher	511, 0.097, SSE
F18	ELLSWORTH JOHN H AUT	575 BROADWAY	EDR Hist Auto	Higher	558, 0.106, SSE
F19	STEFANOWITZ GARAGE	571-577 BROADWAY	NY Spills	Higher	569, 0.108, SSE
F20	GUARANTEE AUTO RADIA	571-575 BROADWAY	EDR Hist Auto	Higher	569, 0.108, SSE
G21	THOMPSON HARVEY L	625 BROADWAY	EDR Hist Auto	Lower	573, 0.109, WSW
G22	AMERICAN CLEANERS &	625 BROADWAY	EDR Hist Cleaner	Lower	573, 0.109, WSW
G23	BOB PERRYS SERVICE S	625 BROADWAY	NY LTANKS, NY Spills	Lower	573, 0.109, WSW
G24	AMERADA HESS CORP	625 BROADWAY	RCRA NonGen / NLR, ICIS, FINDS, ECHO, NY MANIFEST	Lower	573, 0.109, WSW
25	SPILL NUMBER 9801863	635 BROADWAY	NY Spills	Lower	640, 0.121, WSW
H26	BEAVER INDUSTRIES	26 DOWN STREET	NY Spills	Lower	648, 0.123, WNW
H27	STAVO INDUSTRIES INC	26 DOWN ST	RCRA NonGen / NLR, ICIS, FINDS, ECHO, NY MANIFEST	Lower	648, 0.123, WNW
28	UNIROYAL TIRES	15 RAILROAD AVE.	NY Spills	Higher	669, 0.127, SE
29	FAMILY OF WOODSTOCK,	40 THOMAS STREET	NY UST	Higher	681, 0.129, ESE
I30	KINGSTON AUTO SUPPLY	561 BROADWAY	NY Spills	Higher	682, 0.129, SSE
I31	DE NARDO DOMINICK	29 GREENKILL AVE	EDR Hist Auto	Higher	707, 0.134, SSE
32	CSX RAILYARD	BROADWAY AND RAILROA	NY Spills	Higher	732, 0.139, SE
33	MAN HOLE 19527	23RD STREET AND 21ST	NY Spills	Higher	753, 0.143, ESE
J34	U.S POST OFFICE	90 CORNELL STREET	NY UST	Higher	753, 0.143, ENE
35	ST MARTINS	40 CEDAR VALLEY RD	NY LTANKS	Lower	760, 0.144, SSW
J36	GANT SHIRT MAKERS	77 CORNELL STREET	NY DRYCLEANERS	Higher	788, 0.149, ENE
J37	Q D P ELECTRONICS AS	77 CORNELL ST 2ND FL	NY LTANKS, RCRA NonGen / NLR, NY MANIFEST	Higher	788, 0.149, ENE
J38	FX SYSTEMS CORP	77 CORNELL ST	RCRA NonGen / NLR, FINDS, ECHO, NY MANIFEST	Higher	788, 0.149, ENE
J39	THE SHIRT FACTORY	77 CORNELL STREET	NY UST	Higher	788, 0.149, ENE

MAPPED SITES SUMMARY

Target Property Address:
25 FIELD COURT
KINGSTON, NY 12401

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
J40	NOT FADE AWAY TIE DY	77 CORNELL ST - 1ST	RCRA NonGen / NLR, FINDS, ECHO, NY MANIFEST	Higher	788, 0.149, ENE
K41	PERRYS MOBIL SERVICE	649 BROADWAY	EDR Hist Auto	Lower	788, 0.149, West
K42	PERRY AUTOMOTIVE	649 BROADWAY	NY Spills	Lower	788, 0.149, West
K43	BOB PERRYS SERVICE S	649 BROADWAY	NY UST	Lower	788, 0.149, West
K44	MOBIL S/S	649 BROADWAY	NY LTANKS	Lower	788, 0.149, West
45	KERN BRIAN	41 GREENKILL AVE	EDR Hist Cleaner	Lower	851, 0.161, South
46	OBRIEN RESIDENCE	55 CEDAR ST	NY Spills	Lower	860, 0.163, SW
L47	B&M AUTOMOTIVE	57 RAILROAD AVE	EDR Hist Auto	Higher	878, 0.166, East
L48	VAULT SERVICE BOX TM	85TH STREET AND 91ST	NY Spills	Higher	899, 0.170, East
49	RUZZO RENTAL	52 CEDAR ST	NY Spills	Lower	909, 0.172, SSW
L50	SPILL NUMBER 9906580	150-56 58TH AV	NY LTANKS	Higher	913, 0.173, East
M51	MILLER RES	21 VANDUSEN ST	NY LTANKS	Lower	915, 0.173, West
M52	RESIDENCE	25 VANDEUSSEN STREET	NY Spills	Lower	949, 0.180, WSW
53	ROB STEGER	193 SMITH AVE.	NY Spills	Lower	995, 0.188, North
54	CANFIELD PLUMBING SU	534 BROADWAY	NY UST	Higher	998, 0.189, SE
N55	SUNOCO FOOD MART	675 BROADWAY	NY UST, NY Spills	Lower	1036, 0.196, West
N56	BROADWAY CITGO	675 BROADWAY	ICIS, FINDS, ECHO	Lower	1036, 0.196, West
O57	CANFIELD MACHINE & T	17 DEDERICK ST	RCRA NonGen / NLR, FINDS, ECHO, NY MANIFEST	Higher	1042, 0.197, ESE
O58	MICRO ELECTRONIC DEV	17 DEDERICK AVE	FINDS	Higher	1042, 0.197, ESE
N59	CASSA JOHN R	675 BROADWAY	EDR Hist Auto	Lower	1063, 0.201, West
N60	SUNOCO ON BROADWAY	675 BROADWAY (BY 58	NY Spills	Lower	1063, 0.201, West
61	RESIDENCE	188 TREMPER AVE	NY LTANKS	Lower	1072, 0.203, NNW
N62	APPOLLONIA ARTHUR	BROADWAY & FRANKLIN	EDR Hist Auto	Lower	1128, 0.214, West
N63	2ND ON LEFT OFF BROA	FRANKLIN ST	NY Spills	Lower	1164, 0.220, West
O64	N&S KINGSTON	25 DEDERICK ST	NY UST	Higher	1164, 0.220, ESE
O65	PARKING LOT	25 DEDERICK ST	NY Spills	Higher	1164, 0.220, ESE
O66	A & H AUTOMOTIVE INC	13 DEDERICK ST	EDR Hist Auto	Higher	1167, 0.221, ESE
P67		14 ELMENDORF ST	ERNS	Lower	1179, 0.223, WNW
P68	RESIDENTIAL HOME	14 ELMDORF ST	NY Spills	Lower	1179, 0.223, WNW
69	L C AUTOMOTIVE	198 TREMPER AVE	EDR Hist Auto	Lower	1191, 0.226, NNW
Q70	KOTZIAS RESIDENCE	65 ELMENDORE ST.	NY Spills	Lower	1212, 0.230, NW
R71	KINGSTON YMCA	507 BROADWAY	NY LTANKS	Higher	1216, 0.230, SE
R72	YMCA OF KINGSTON AND	507 BROADWAY	NY UST	Higher	1216, 0.230, SE
R73	YMCA OF KINGSTON AND	507 BROADWAY	NY AST	Higher	1216, 0.230, SE
S74	VERIZON	85 BRUYN AVE	NY Spills	Higher	1228, 0.233, NE
S75	VERIZON NEW YORK, IN	85 BRUYN AVE	NY UST	Higher	1228, 0.233, NE
S76		85 BRUYN AVE	ERNS	Higher	1228, 0.233, NE
S77	VERIZON NEW YORK, IN	85 BRUYN AVE	NY AST	Higher	1228, 0.233, NE
78	NY TELE.	BRUYN AVE.	NY LTANKS	Lower	1232, 0.233, NNE

MAPPED SITES SUMMARY

Target Property Address:
25 FIELD COURT
KINGSTON, NY 12401

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
79	RESI: JOHNSON	63 HENRY ST	NY Spills	Higher	1234, 0.234, WSW
80	66 HENRY ST CORP	66 HENRY ST	EDR Hist Auto	Higher	1236, 0.234, WSW
T81	NATIONAL MUFFLER CTR	685 BROADWAY	EDR Hist Auto	Lower	1239, 0.235, West
82	ROYAL CARTING TRUCK	CEDAR AND STERLING	NY Spills	Lower	1257, 0.238, SW
83	RICHARDS-LOROMA INC	20 FRANKLIN ST	EDR Hist Auto	Higher	1271, 0.241, West
Q84	LATTIN RESIDENCE	53 ELMANDORF STREET	NY Spills	Lower	1276, 0.242, NW
U85	FOWLER & KEITH SUPPL	104 SMITH AVE.	NY Spills	Higher	1295, 0.245, ENE
U86	FOWLER & KEITH SUPPL	104 SMITH AVENUE	NY UST	Higher	1295, 0.245, ENE
T87	CARPINO	693 BROADWAY	NY Spills	Lower	1299, 0.246, West
88	23 GRAND ST	23 GRAND ST	NY Spills	Higher	1301, 0.246, ESE
89	NY TEL	80 BRYUN STREET	NY LTANKS	Higher	1346, 0.255, NE
90	NATIONAL MICRONETICS	71 SMITH AVE	CORRACTS, NY LTANKS, NY UST, NY AST, NY Spills,...	Higher	1352, 0.256, East
V91	AMATO JAMES L	697 BROADWAY	EDR Hist Auto	Lower	1363, 0.258, West
V92	HALPIN TIM	695 BROADWAY	EDR Hist Auto	Lower	1375, 0.260, West
93	CANFIELD SUPPLY	SUSAN & SUMMER STS.	NY LTANKS	Lower	1406, 0.266, SSE
94	MARTIN JERRY PONTIAC	708 BROADWAY	EDR Hist Auto	Lower	1426, 0.270, WNW
95	RESIDENCE	132 ONEIL ST	NY LTANKS	Higher	1446, 0.274, NNE
96	JVL AUTO	80 SMITH AVE	EDR Hist Auto	Higher	1457, 0.276, East
97	VERIZON NEW YORK INC	60 BRUYN AVENUE	NY LTANKS, NY TANKS	Higher	1458, 0.276, NE
W98	VAN BUREN DONALD	105 CEDAR ST	EDR Hist Auto	Higher	1481, 0.280, SW
X99	SPILL NUMBER 9516090	139 CORNELL ST	NY LTANKS, NY Spills	Higher	1513, 0.287, NE
X100	V&N AUTOMOTIVE	105 CORNELL ST	EDR Hist Auto	Higher	1516, 0.287, NE
W101	LUDANA AND LUDANA	109 CEDAR ST	NY LTANKS	Higher	1521, 0.288, SW
102	SPILL NUMBER 0107589	155 BRUYN AV	NY LTANKS	Lower	1533, 0.290, North
Y103	E & R AUTOMOTIVE INC	82 PRINCE ST	EDR Hist Auto	Higher	1536, 0.291, ESE
Y104	SPILL NUMBER 0007750	82 PRINCE ST	NY LTANKS, NY Spills	Higher	1536, 0.291, ESE
105	KINGSTON AUTO SHOWCA	184 ALBANY AVE	EDR Hist Auto	Lower	1542, 0.292, NW
106	ADIR GARAGE	495 BROADWAY	NY LTANKS, NY Spills	Higher	1591, 0.301, SE
Z107	FABBIE BROS	130 CORNELL ST	EDR Hist Auto	Higher	1604, 0.304, NE
Z108	J & H SERVICE CENTER	138 CORNELL ST	EDR Hist Auto	Higher	1607, 0.304, NE
109	RIOLS RESIDENCE	54 FRANKLIN STREET	NY LTANKS	Higher	1647, 0.312, West
110	ARATEX CORP.	13 SOUTH PROSPECT ST	NY LTANKS	Lower	1717, 0.325, SSW
111	PRIVATE HOME	104 HENRY STREET	NY LTANKS	Higher	1738, 0.329, WSW
AA112	DE LUCA CLEANERS & D	68 PRINCE ST	EDR Hist Cleaner	Higher	1742, 0.330, ESE
AA113	DELUCA CLEANERS	68 PRINCE ST	RCRA-SQG, NY DRYCLEANERS, RI MANIFEST, NY MANIFEST	Higher	1742, 0.330, ESE
114	HUCK INTL INC	85 GRAND ST	NY LTANKS, NY VCP, NY Spills, RCRA NonGen / NLR,...	Higher	1763, 0.334, ENE
115	BOSTON CLEANERS & DY	732 BROADWAY	EDR Hist Cleaner	Lower	1775, 0.336, WNW
116	C. KINGSTON	464 HASBROCK AVE	NY LTANKS	Higher	1801, 0.341, ESE
117	BUZZANCO ANTHONY	47 SUMMER ST	EDR Hist Auto	Lower	1816, 0.344, South

MAPPED SITES SUMMARY

Target Property Address:
25 FIELD COURT
KINGSTON, NY 12401

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
118	ITHACA DYEWORKS	116 HENRY ST	EDR Hist Cleaner	Higher	1883, 0.357, WSW
AB119	SMITHS SERVICE STATI	465 BROADWAY	EDR Hist Auto	Higher	1902, 0.360, SE
AB120	465 BROADWAY	465 BROADWAY	NY LTANKS	Higher	1902, 0.360, SE
121	CHASE STANLEY E	232 ALBANY AVE EXT	EDR Hist Auto	Higher	1911, 0.362, NNW
122	CHAFFE FRANK C JR	9 S STERLING ST	EDR Hist Auto	Higher	1919, 0.363, South
AC123	KINGSTON POINT SLF	25 EAST O'REILLY ST	NY SWF/LF	Higher	1944, 0.368, ESE
AC124	KINGSTON FD	19 EAST O'REILY ST.	NY LTANKS	Higher	1944, 0.368, ESE
125	FRISS RESIDENCE	58 HOFFMAN ST	NY LTANKS	Higher	2025, 0.384, SSE
AD126	BROWN RESIDENCE	96 CLINTON AVE.	NY LTANKS	Higher	2134, 0.404, WSW
127	185 O'NEAL STREET	185 O'NEAL STREET	NY LTANKS	Higher	2158, 0.409, NNE
AD128	APT. COMPLEX	96 CLINTON AND FRANK	NY LTANKS	Higher	2195, 0.416, WSW
129	MELLEY RESIDENCE	1 CLINTON AVE.	NY LTANKS	Lower	2203, 0.417, SW
AE130	MEAGHER	WYNKOP PLACE	NY LTANKS	Higher	2239, 0.424, ESE
AE131	MEAGHER SCHOOL	BUYNKOOP PLACE	NY LTANKS	Higher	2239, 0.424, ESE
132	ZACCHEO RESIDENCE	25 CLINTON AVE.	NY LTANKS	Lower	2240, 0.424, SW
133	VAN ALSTYNE RESIDENC	182 ELMENDORF STREET	NY LTANKS	Lower	2256, 0.427, North
134	HESS	ALBANY AVE	NY LTANKS, NY Spills	Higher	2287, 0.433, North
AE135	RESIDENCE	4 SMITH AVE	NY LTANKS, NY Spills	Higher	2294, 0.434, ESE
136	UNITED METHODIST CHU	122 CLINTON AVE	NY LTANKS	Higher	2297, 0.435, West
137	DEBIASE RES.: 1K UST	147 HENRY ST	NY LTANKS, NY Spills	Lower	2339, 0.443, WSW
138	KINGSTON HIGH SCHOOL	403 BROADWAY	NY LTANKS, NY Spills	Higher	2537, 0.480, SE
139	ROUNDOUT CRK/HUDSON	396 BROADWAY	RCRA-SQG, US BROWNFIELDS, US AIRS, FINDS, ECHO, NY...	Higher	2573, 0.487, ESE

EXECUTIVE SUMMARY

TARGET PROPERTY SEARCH RESULTS

The target property was identified in the following records. For more information on this property see page 8 of the attached EDR Radius Map report:

Site	Database(s)	EPA ID
NEAR O'NEIL ST CENTE 25 FIELD COURT KINGSTON, NY	NY Spills Spill Number/Closed Date: 0905668 / 2014-05-23 spillno: 0905668 Site ID: 417945	N/A

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL ---------- National Priority List
Proposed NPL ---------- Proposed National Priority List Sites
NPL LIENS ---------- Federal Superfund Liens

Federal Delisted NPL site list

Delisted NPL ---------- National Priority List Deletions

Federal CERCLIS list

FEDERAL FACILITY ---------- Federal Facility Site Information listing
SEMS ---------- Superfund Enterprise Management System

Federal CERCLIS NFRAP site list

SEMS-ARCHIVE ---------- Superfund Enterprise Management System Archive

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF ---------- RCRA - Treatment, Storage and Disposal

Federal RCRA generators list

RCRA-LQG ---------- RCRA - Large Quantity Generators

Federal institutional controls / engineering controls registries

LUCIS ---------- Land Use Control Information System

US ENG CONTROLS Engineering Controls Sites List
US INST CONTROL Sites with Institutional Controls

State- and tribal - equivalent CERCLIS

NY SHWS Inactive Hazardous Waste Disposal Sites in New York State
NY VAPOR REOPENED Vapor Intrusion Legacy Site List

State and tribal leaking storage tank lists

INDIAN LUST Leaking Underground Storage Tanks on Indian Land
NY HIST LTANKS Listing of Leaking Storage Tanks

State and tribal registered storage tank lists

FEMA UST Underground Storage Tank Listing
NY CBS UST Chemical Bulk Storage Database
NY MOSF UST Major Oil Storage Facilities Database
NY CBS Chemical Bulk Storage Site Listing
NY MOSF Major Oil Storage Facility Site Listing
NY CBS AST Chemical Bulk Storage Database
NY MOSF AST Major Oil Storage Facilities Database
INDIAN UST Underground Storage Tanks on Indian Land

State and tribal institutional control / engineering control registries

NY RES DECL Restrictive Declarations Listing
NY ENG CONTROLS Registry of Engineering Controls
NY INST CONTROL Registry of Institutional Controls

State and tribal voluntary cleanup sites

INDIAN VCP Voluntary Cleanup Priority Listing

State and tribal Brownfields sites

NY BROWNFIELDS Brownfields Site List
NY ERP Environmental Restoration Program Listing

ADDITIONAL ENVIRONMENTAL RECORDS

Local Lists of Landfill / Solid Waste Disposal Sites

NY SWTIRE Registered Waste Tire Storage & Facility List
NY SWRCY Registered Recycling Facility List
INDIAN ODI Report on the Status of Open Dumps on Indian Lands
DEBRIS REGION 9 Torres Martinez Reservation Illegal Dump Site Locations
ODI Open Dump Inventory
IHS OPEN DUMPS Open Dumps on Indian Land

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL Delisted National Clandestine Laboratory Register
NY DEL SHWS Delisted Registry Sites

US CDL ..... National Clandestine Laboratory Register

Local Lists of Registered Storage Tanks

NY HIST UST ..... Historical Petroleum Bulk Storage Database
NY HIST AST ..... Historical Petroleum Bulk Storage Database

Local Land Records

NY LIENS ..... Spill Liens Information
LIENS 2 ..... CERCLA Lien Information

Records of Emergency Release Reports

HMIRS ..... Hazardous Materials Information Reporting System
NY Hist Spills ..... SPILLS Database
NY SPILLS 90 ..... SPILLS 90 data from FirstSearch
NY SPILLS 80 ..... SPILLS 80 data from FirstSearch

Other Ascertainable Records

FUDS ..... Formerly Used Defense Sites
DOD ..... Department of Defense Sites
SCRD DRYCLEANERS ..... State Coalition for Remediation of Drycleaners Listing
US FIN ASSUR ..... Financial Assurance Information
EPA WATCH LIST ..... EPA WATCH LIST
2020 COR ACTION ..... 2020 Corrective Action Program List
TSCA ..... Toxic Substances Control Act
TRIS ..... Toxic Chemical Release Inventory System
SSTS ..... Section 7 Tracking Systems
ROD ..... Records Of Decision
RMP ..... Risk Management Plans
RAATS ..... RCRA Administrative Action Tracking System
PRP ..... Potentially Responsible Parties
PADS ..... PCB Activity Database System
FTTS ..... FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
MLTS ..... Material Licensing Tracking System
COAL ASH DOE ..... Steam-Electric Plant Operation Data
COAL ASH EPA ..... Coal Combustion Residues Surface Impoundments List
PCB TRANSFORMER ..... PCB Transformer Registration Database
RADINFO ..... Radiation Information Database
HIST FTTS ..... FIFRA/TSCA Tracking System Administrative Case Listing
DOT OPS ..... Incident and Accident Data
CONSENT ..... Superfund (CERCLA) Consent Decrees
INDIAN RESERV ..... Indian Reservations
FUSRAP ..... Formerly Utilized Sites Remedial Action Program
UMTRA ..... Uranium Mill Tailings Sites
LEAD SMELTERS ..... Lead Smelter Sites
US MINES ..... Mines Master Index File
ABANDONED MINES ..... Abandoned Mines
UXO ..... Unexploded Ordnance Sites
DOCKET HWC ..... Hazardous Waste Compliance Docket Listing
FUELS PROGRAM ..... EPA Fuels Program Registered Listing
NY AIRS ..... Air Emissions Data

EXECUTIVE SUMMARY

NY COAL ASH Coal Ash Disposal Site Listing
NY E DESIGNATION E DESIGNATION SITE LISTING
NY Financial Assurance Financial Assurance Information Listing
NY HSWDS Hazardous Substance Waste Disposal Site Inventory
NY SPDES State Pollutant Discharge Elimination System
NY UIC Underground Injection Control Wells

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP EDR Proprietary Manufactured Gas Plants

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

NY RGA HWS Recovered Government Archive State Hazardous Waste Facilities List
NY RGA LF Recovered Government Archive Solid Waste Facilities List

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.
Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

STANDARD ENVIRONMENTAL RECORDS

Federal RCRA CORRACTS facilities list

CORRACTS: CORRACTS is a list of handlers with RCRA Corrective Action Activity. This report shows which nationally-defined corrective action core events have occurred for every handler that has had corrective action activity.

A review of the CORRACTS list, as provided by EDR, and dated 09/13/2017 has revealed that there is 1 CORRACTS site within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
NATIONAL MICRONETICS	***71 SMITH AVE***	***E 1/4 - 1/2 (0.256 mi.)***	***90***	***152***

EXECUTIVE SUMMARY

Federal RCRA generators list

RCRA-CESQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

A review of the RCRA-CESQG list, as provided by EDR, and dated 09/13/2017 has revealed that there is 1 RCRA-CESQG site within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
SCHABOT AUTO BODY	***29 ONEIL ST***	***NW 0 - 1/8 (0.075 mi.)***	***D11***	***25***

Federal ERNS list

ERNS: The Emergency Response Notification System records and stores information on reported releases of oil and hazardous substances. The source of this database is the U.S. EPA.

A review of the ERNS list, as provided by EDR, and dated 09/18/2017 has revealed that there are 2 ERNS sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
Not reported	85 BRUYN AVE	NE 1/8 - 1/4 (0.233 mi.)	S76	138

Lower Elevation	Address	Direction / Distance	Map ID	Page
Not reported	14 ELMENDORF ST	WNW 1/8 - 1/4 (0.223 mi.)	P67	125

State and tribal landfill and/or solid waste disposal site lists

NY SWF/LF: The Solid Waste Facilities/Landfill Sites records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. The data come from the list.

A review of the NY SWF/LF list, as provided by EDR, and dated 06/30/2017 has revealed that there is 1 NY SWF/LF site within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
KINGSTON POINT SLF	25 EAST O'REILLY ST	ESE 1/4 - 1/2 (0.368 mi.)	AC123	211

State and tribal leaking storage tank lists

NY LTANKS: Leaking Storage Tank Incident Reports. These records contain an inventory of reported leaking storage tank incidents reported from 4/1/86 through the most recent update. They can be either leaking underground storage tanks or leaking aboveground storage tanks. The causes of the incidents are tank test failures, tank failures or tank overfills

A review of the NY LTANKS list, as provided by EDR, and dated 05/16/2017 has revealed that there are

EXECUTIVE SUMMARY

42 NY LTANKS sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CITY OF KINGSTON FIE Spill Number/Closed Date: 0504408 / 2006-05-09 Site ID: 349215 Program Number: 0504408	10 FIELD COURT	SSW 0 - 1/8 (0.030 mi.)	B3	11
Q D P ELECTRONICS AS Spill Number/Closed Date: 1000041 / 2010-10-14 Site ID: 426960 Program Number: 1000041	***77 CORNELL ST 2ND FL***	***ENE 1/8 - 1/4 (0.149 mi.)***	***J37***	***71***
SPILL NUMBER 9906580 Spill Number/Closed Date: 9906580 / 2000-01-25 Site ID: 279893 Program Number: 9906580	150-56 58TH AV	E 1/8 - 1/4 (0.173 mi.)	L50	96
KINGSTON YMCA Spill Number/Closed Date: 8707032 / 1989-01-05 Site ID: 101334 Program Number: 8707032	507 BROADWAY	SE 1/8 - 1/4 (0.230 mi.)	R71	128
NY TEL Spill Number/Closed Date: 9206418 / 1992-10-28 Site ID: 202676 Program Number: 9206418	80 BRYUN STREET	NE 1/4 - 1/2 (0.255 mi.)	89	151
NATIONAL MICRONETICS Spill Number/Closed Date: 9405792 / 1994-07-29 Site ID: 127122 Program Number: 9405792	***71 SMITH AVE***	***E 1/4 - 1/2 (0.256 mi.)***	***90***	***152***
RESIDENCE Spill Number/Closed Date: 9507664 / 1996-01-18 Site ID: 227166 Program Number: 9507664	132 ONEIL ST	NNE 1/4 - 1/2 (0.274 mi.)	95	169
VERIZON NEW YORK INC Spill Number/Closed Date: 8607185 / 1987-03-16 Site ID: 66735 Program Number: 8607185	***60 BRUYN AVENUE***	***NE 1/4 - 1/2 (0.276 mi.)***	***97***	***170***
SPILL NUMBER 9516090 Spill Number/Closed Date: 8704643 / 1987-09-18 Site ID: 285842 Program Number: 8704643	***139 CORNELL ST***	***NE 1/4 - 1/2 (0.287 mi.)***	***X99***	***172***
LUDANA AND LUDANA Spill Number/Closed Date: 0312741 / 2004-02-17 Spill Number/Closed Date: 9609988 / 1996-11-12 Site ID: 218957 Site ID: 269263 Program Number: 0312741 Program Number: 9609988	109 CEDAR ST	SW 1/4 - 1/2 (0.288 mi.)	W101	175
SPILL NUMBER 0007750 Spill Number/Closed Date: 0007750 / 2000-10-02 Site ID: 171549 Program Number: 0007750	***82 PRINCE ST***	***ESE 1/4 - 1/2 (0.291 mi.)***	***Y104***	***178***
ADIR GARAGE	***495 BROADWAY***	***SE 1/4 - 1/2 (0.301 mi.)***	***106***	***181***

Spill Number/Closed Date: 9307465 / 1994-11-29
Spill Number/Closed Date: 9903340 / 2000-05-02
Site ID: 247848
Site ID: 247850
Program Number: 9307465
Program Number: 9903340

RIOLS RESIDENCE	54 FRANKLIN STREET	W 1/4 - 1/2 (0.312 mi.)	109	185
Spill Number/Closed Date: 9106103 / 1991-09-10 Site ID: 97933 Program Number: 9106103				
PRIVATE HOME	104 HENRY STREET	WSW 1/4 - 1/2 (0.329 mi.)	111	187
Spill Number/Closed Date: 0501123 / 2005-04-27 Site ID: 344271 Program Number: 0501123				
HUCK INTL INC	***85 GRAND ST***	***ENE 1/4 - 1/2 (0.334 mi.)***	***114***	***194***
Spill Number/Closed Date: 8702421 / 1987-07-13 Spill Number/Closed Date: 8702581 / 1987-07-13 Site ID: 262073 Site ID: 262074 Program Number: 8702421 Program Number: 8702581				
C. KINGSTON	464 HASBROCK AVE	ESE 1/4 - 1/2 (0.341 mi.)	116	207
Spill Number/Closed Date: 8706155 / 1990-01-30 Site ID: 299769 Program Number: 8706155				
465 BROADWAY	465 BROADWAY	SE 1/4 - 1/2 (0.360 mi.)	AB120	209
Spill Number/Closed Date: 9905768 / 2000-05-02 Site ID: 199387 Program Number: 9905768				
KINGSTON FD	19 EAST O'REILY ST.	ESE 1/4 - 1/2 (0.368 mi.)	AC124	211
Spill Number/Closed Date: 8808070 / 1989-01-24 Site ID: 203480 Program Number: 8808070				
FRISS RESIDENCE	58 HOFFMAN ST	SSE 1/4 - 1/2 (0.384 mi.)	125	212
Spill Number/Closed Date: 0500557 / 2005-07-12 Site ID: 343565 Program Number: 0500557				
BROWN RESIDENCE	96 CLINTON AVE.	WSW 1/4 - 1/2 (0.404 mi.)	AD126	214
Spill Number/Closed Date: 9400707 / 1994-12-12 Site ID: 248357 Program Number: 9400707				
185 O'NEAL STREET	185 O'NEAL STREET	NNE 1/4 - 1/2 (0.409 mi.)	127	215
Spill Number/Closed Date: 9104282 / 1991-07-22 Site ID: 253591 Program Number: 9104282				
APT. COMPLEX	96 CLINTON AND FRANK	WSW 1/4 - 1/2 (0.416 mi.)	AD128	216
Spill Number/Closed Date: 9204506 / 1992-08-12 Site ID: 72082 Program Number: 9204506				
MEAGHER	WYNKOP PLACE	ESE 1/4 - 1/2 (0.424 mi.)	AE130	218
Spill Number/Closed Date: 8702023 / 1987-09-24				

Site ID: 83854
Program Number: 8702023

MEAGHER SCHOOL — BUYNKOOP PLACE — ESE 1/4 - 1/2 (0.424 mi.) — AE131 — 219
Spill Number/Closed Date: 9704427 / 1998-02-26
Site ID: 190205
Program Number: 9704427

HESS — ***ALBANY AVE*** — ***N 1/4 - 1/2 (0.433 mi.)*** — ***134*** — ***223***
Spill Number/Closed Date: 8606498 / 1987-01-16
Spill Number/Closed Date: 8708254 / 1988-01-04
Spill Number/Closed Date: 9509055 / 1995-11-01
Site ID: 308078
Site ID: 308079
Site ID: 308080
Program Number: 8606498
Program Number: 8708254
Program Number: 9509055

RESIDENCE — ***4 SMITH AVE*** — ***ESE 1/4 - 1/2 (0.434 mi.)*** — ***AE135*** — ***227***
Spill Number/Closed Date: 0513482 / 2006-02-22
Site ID: 359963
Program Number: 0513482

UNITED METHODIST CHU — 122 CLINTON AVE — W 1/4 - 1/2 (0.435 mi.) — 136 — 229
Spill Number/Closed Date: 0608271 / 2007-02-06
Site ID: 372204
Program Number: 0608271

KINGSTON HIGH SCHOOL — ***403 BROADWAY*** — ***SE 1/4 - 1/2 (0.480 mi.)*** — ***138*** — ***232***
Spill Number/Closed Date: 0704067 / 2010-12-31
Site ID: 384149
Program Number: 0704067

Lower Elevation	Address	Direction / Distance	Map ID	Page

SAFECO ALARMS — 612 BROADWAY — SW 0 - 1/8 (0.059 mi.) — C6 — 16
Spill Number/Closed Date: 9414762 / 1995-02-15
Site ID: 167295
Program Number: 9414762

BOB PERRYS SERVICE S — ***625 BROADWAY*** — ***WSW 0 - 1/8 (0.109 mi.)*** — ***G23*** — ***42***
Spill Number/Closed Date: 9002591 / 1990-10-10
Site ID: 194781
Program Number: 9002591

ST MARTINS — 40 CEDAR VALLEY RD — SSW 1/8 - 1/4 (0.144 mi.) — 35 — 69
Spill Number/Closed Date: 8703565 / 1987-09-25
Site ID: 152807
Program Number: 8703565

MOBIL S/S — 649 BROADWAY — W 1/8 - 1/4 (0.149 mi.) — K44 — 91
Spill Number/Closed Date: 9209571 / 1995-02-13
Site ID: 180380
Program Number: 9209571

MILLER RES — 21 VANDUSEN ST — W 1/8 - 1/4 (0.173 mi.) — M51 — 97
Spill Number/Closed Date: 9710391 / 1998-02-09
Spill Number/Closed Date: 9710402 / 1998-02-26
Site ID: 168087
Site ID: 168088

Program Number: 9710391
Program Number: 9710402

RESIDENCE Spill Number/Closed Date: 0308016 / 2003-11-18 Site ID: 329180 Program Number: 0308016	188 TREMPER AVE	NNW 1/8 - 1/4 (0.203 mi.)	61	117
NY TELE. Spill Number/Closed Date: 9413239 / 1997-03-19 Site ID: 245714 Program Number: 9413239	BRUYN AVE.	NNE 1/8 - 1/4 (0.233 mi.)	78	139
CANFIELD SUPPLY Spill Number/Closed Date: 8907069 / 1989-11-01 Site ID: 292837 Program Number: 8907069	SUSAN & SUMMER STS.	SSE 1/4 - 1/2 (0.266 mi.)	93	167
SPILL NUMBER 0107589 Spill Number/Closed Date: 0107589 / 2001-10-25 Site ID: 115361 Program Number: 0107589	155 BRUYN AV	N 1/4 - 1/2 (0.290 mi.)	102	177
ARATEX CORP. Spill Number/Closed Date: 9006439 / 1990-09-13 Site ID: 120706 Program Number: 9006439	13 SOUTH PROSPECT ST	SSW 1/4 - 1/2 (0.325 mi.)	110	186
MELLEY RESIDENCE Spill Number/Closed Date: 9410869 / 1994-11-17 Site ID: 291957 Program Number: 9410869	1 CLINTON AVE.	SW 1/4 - 1/2 (0.417 mi.)	129	217
ZACCHEO RESIDENCE Spill Number/Closed Date: 9103931 / 1992-07-29 Site ID: 284912 Program Number: 9103931	25 CLINTON AVE.	SW 1/4 - 1/2 (0.424 mi.)	132	221
VAN ALSTYNE RESIDENC Spill Number/Closed Date: 9311337 / 1994-01-10 Site ID: 214349 Program Number: 9311337	182 ELMENDORF STREET	N 1/4 - 1/2 (0.427 mi.)	133	222
DEBIASE RES.: 1K UST Spill Number/Closed Date: 9315236 / 1995-01-10 Site ID: 252455 Program Number: 9315236	***147 HENRY ST***	***WSW 1/4 - 1/2 (0.443 mi.)***	***137***	***230***

State and tribal registered storage tank lists

NY UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the Department of Environmental Conservation's Petroleum Bulk Storage (PBS) Database

A review of the NY UST list, as provided by EDR, has revealed that there are 12 NY UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
THE WONDERLY COMPANY Database: UST, Date of Government Version: 09/21/2017	25 CORNELL STREET	ENE 0 - 1/8 (0.012 mi.)	A2	9

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
FAMILY OF WOODSTOCK, Database: UST, Date of Government Version: 09/21/2017	40 THOMAS STREET	ESE 1/8 - 1/4 (0.129 mi.)	29	61
U.S POST OFFICE Database: UST, Date of Government Version: 09/21/2017	90 CORNELL STREET	ENE 1/8 - 1/4 (0.143 mi.)	J34	67
THE SHIRT FACTORY Database: UST, Date of Government Version: 09/21/2017	77 CORNELL STREET	ENE 1/8 - 1/4 (0.149 mi.)	J39	79
CANFIELD PLUMBING SU Database: UST, Date of Government Version: 09/21/2017	534 BROADWAY	SE 1/8 - 1/4 (0.189 mi.)	54	101
N&S KINGSTON Database: UST, Date of Government Version: 09/21/2017	25 DEDERICK ST	ESE 1/8 - 1/4 (0.220 mi.)	O64	120
YMCA OF KINGSTON AND Database: UST, Date of Government Version: 09/21/2017	507 BROADWAY	SE 1/8 - 1/4 (0.230 mi.)	R72	129
VERIZON NEW YORK, IN Database: UST, Date of Government Version: 09/21/2017	85 BRUYN AVE	NE 1/8 - 1/4 (0.233 mi.)	S75	137
FOWLER & KEITH SUPPL Database: UST, Date of Government Version: 09/21/2017	104 SMITH AVENUE	ENE 1/8 - 1/4 (0.245 mi.)	U86	145

Lower Elevation	Address	Direction / Distance	Map ID	Page
CHEEKAM MART, INC. Database: UST, Date of Government Version: 09/21/2017	625 BROADWAY & HENRY	SW 0 - 1/8 (0.073 mi.)	C8	18
BOB PERRYS SERVICE S Database: UST, Date of Government Version: 09/21/2017	649 BROADWAY	W 1/8 - 1/4 (0.149 mi.)	K43	87
SUNOCO FOOD MART Database: UST, Date of Government Version: 09/21/2017	***675 BROADWAY***	***W 1/8 - 1/4 (0.196 mi.)***	***N55***	***104***

NY AST: The Aboveground Storage Tank database contains registered ASTs. The data come from the Department of Environmental Conservation's Petroleum Bulk Storage (PBS) Database.

A review of the NY AST list, as provided by EDR, has revealed that there are 2 NY AST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
YMCA OF KINGSTON AND Database: AST, Date of Government Version: 09/21/2017 Facility Id: 3-025518	507 BROADWAY	SE 1/8 - 1/4 (0.230 mi.)	R73	131
VERIZON NEW YORK, IN Database: AST, Date of Government Version: 09/21/2017 Facility Id: 3-184330	85 BRUYN AVE	NE 1/8 - 1/4 (0.233 mi.)	S77	138

State and tribal voluntary cleanup sites

NY VCP: Voluntary Cleanup Agreements. The voluntary remedial program uses private monies to get contaminated sites remediated to levels allowing for the sites' productive use. The program covers virtually any kind of site and contamination.

A review of the NY VCP list, as provided by EDR, has revealed that there is 1 NY VCP site within

approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
HUCK INTL INC	***85 GRAND ST***	***ENE 1/4 - 1/2 (0.334 mi.)***	***114***	***194***
Database: VCP, Date of Government Version: 05/16/2017 Site Code: 56863				

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: The EPA's listing of Brownfields properties from the Cleanups in My Community program, which provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

A review of the US BROWNFIELDS list, as provided by EDR, and dated 06/19/2017 has revealed that there is 1 US BROWNFIELDS site within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
ROUNDOUT CRK/HUDSON	***396 BROADWAY***	***ESE 1/4 - 1/2 (0.487 mi.)***	***139***	***236***

Records of Emergency Release Reports

NY Spills: Data collected on spills reported to NYSDEC. is required by one or more of the following: Article 12 of the Navigation Law, 6 NYCRR Section 613.8 (from PBS regs), or 6 NYCRR Section 595.2 (from CBS regs). It includes spills active as of April 1, 1986, as well as spills occurring since this date.

A review of the NY Spills list, as provided by EDR, and dated 05/16/2017 has revealed that there are 30 NY Spills sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SIDEWALK Spill Number/Closed Date: 9112284 / 1992-03-04 spillno: 9112284 Site ID: 295316	580 BROADWAY	SSE 0 - 1/8 (0.097 mi.)	F17	38
STEFANOWITZ GARAGE Spill Number/Closed Date: 9614340 / 2010-03-24 spillno: 9614340 Site ID: 138758	571-577 BROADWAY	SSE 0 - 1/8 (0.108 mi.)	F19	40
UNIROYAL TIRES Spill Number/Closed Date: 9710418 / 1998-02-26 Spill Number/Closed Date: 9402901 / 1994-06-03 spillno: 9402901 spillno: 9710418 Site ID: 326167 Site ID: 129362	15 RAILROAD AVE.	SE 1/8 - 1/4 (0.127 mi.)	28	59
KINGSTON AUTO SUPPLY	561 BROADWAY	SSE 1/8 - 1/4 (0.129 mi.)	I30	63

Spill Number/Closed Date: 9111095 / 1992-01-27
spillno: 9111095
Site ID: 113007

CSX RAILYARD	BROADWAY AND RAILROA	SE 1/8 - 1/4 (0.139 mi.)	32	64
Spill Number/Closed Date: 1309818 / 2014-01-09 spillno: 1309818 Site ID: 490636				
MAN HOLE 19527	23RD STREET AND 21ST	ESE 1/8 - 1/4 (0.143 mi.)	33	65
Spill Number/Closed Date: 1405663 / 2014-11-25 spillno: 1405663 Site ID: 499098				
VAULT SERVICE BOX TM	85TH STREET AND 91ST	E 1/8 - 1/4 (0.170 mi.)	L48	93
Spill Number/Closed Date: 1008849 / 2011-01-25 spillno: 1008849 Site ID: 442369				
PARKING LOT	25 DEDERICK ST	ESE 1/8 - 1/4 (0.220 mi.)	O65	124
Spill Number/Closed Date: 9515547 / 1996-03-04 spillno: 9515547 Site ID: 303693				
VERIZON	85 BRUYN AVE	NE 1/8 - 1/4 (0.233 mi.)	S74	133
Spill Number/Closed Date: 0403151 / 2004-06-24 Spill Number/Closed Date: 9709884 / 1997-11-25 Spill Number/Closed Date: 9002070 / 1990-05-23 spillno: 9002070 spillno: 0403151 spillno: 9709884 Site ID: 74857 Site ID: 310619 Site ID: 310620				
RESI: JOHNSON	63 HENRY ST	WSW 1/8 - 1/4 (0.234 mi.)	79	140
Spill Number/Closed Date: 9914308 / 2000-03-20 spillno: 9914308 Site ID: 276476				
FOWLER & KEITH SUPPL	104 SMITH AVE.	ENE 1/8 - 1/4 (0.245 mi.)	U85	144
Spill Number/Closed Date: 8901458 / 1989-05-18 spillno: 8901458 Site ID: 258855				
23 GRAND ST	23 GRAND ST	ESE 1/8 - 1/4 (0.246 mi.)	88	149
Spill Number/Closed Date: 1506368 / 2015-12-01 spillno: 1506368 Site ID: 513784				

Lower Elevation	Address	Direction / Distance	Map ID	Page
REAR OF RESIDENCE	18 O'NEIL ST	W 0 - 1/8 (0.057 mi.)	5	15
Spill Number/Closed Date: 9702813 / 1997-06-27 spillno: 9702813 Site ID: 92418				
ULSTER PERFORMING AR	601 BROADWAY	SSW 0 - 1/8 (0.092 mi.)	14	30
Spill Number/Closed Date: 9412758 / 1995-01-10 spillno: 9412758 Site ID: 141934				
BOB PERRYS SERVICE S	***625 BROADWAY***	***WSW 0 - 1/8 (0.109 mi.)***	***G23***	***42***

Spill Number/Closed Date: 1012903 / 2017-02-17
Spill Number/Closed Date: 0890748 / 2009-01-30
Spill Number/Closed Date: 9609505 / 2011-03-28
Spill Number/Closed Date: 9400488 / 1995-01-10
spillno: 0890748
spillno: 9400488
spillno: 9609505
spillno: 1012903
Site ID: 402404
Site ID: 194782
Site ID: 194783
Site ID: 447202

SPILL NUMBER 9801863	635 BROADWAY	WSW 0 - 1/8 (0.121 mi.)	25	51
Spill Number/Closed Date: 9801863 / 1998-07-14 spillno: 9801863 Site ID: 182035				
BEAVER INDUSTRIES	26 DOWN STREET	WNW 0 - 1/8 (0.123 mi.)	H26	52
Spill Number/Closed Date: 8901299 / 1989-08-09 spillno: 8901299 Site ID: 194644				
PERRY AUTOMOTIVE	649 BROADWAY	W 1/8 - 1/4 (0.149 mi.)	K42	86
Spill Number/Closed Date: 1508314 / 2015-11-10 spillno: 1508314 Site ID: 515895				
OBRIEN RESIDENCE	55 CEDAR ST	SW 1/8 - 1/4 (0.163 mi.)	46	92
Spill Number/Closed Date: 0507845 / 2006-02-24 spillno: 0507845 Site ID: 353333				
RUZZO RENTAL	52 CEDAR ST	SSW 1/8 - 1/4 (0.172 mi.)	49	95
Spill Number/Closed Date: 1406127 / 2014-09-08 spillno: 1406127 Site ID: 499584				
RESIDENCE	25 VANDEUSSEN STREET	WSW 1/8 - 1/4 (0.180 mi.)	M52	99
Spill Number/Closed Date: 9500923 / 1995-05-25 spillno: 9500923 Site ID: 71015				
ROB STEGER	193 SMITH AVE.	N 1/8 - 1/4 (0.188 mi.)	53	100
Spill Number/Closed Date: 8903908 / 1989-07-28 spillno: 8903908 Site ID: 291725				
SUNOCO FOOD MART	***675 BROADWAY***	***W 1/8 - 1/4 (0.196 mi.)***	***N55***	***104***
Spill Number/Closed Date: 0612221 / 2007-02-20 Spill Number/Closed Date: 9903086 / Not Reported spillno: 0612221 spillno: 9903086 Site ID: 377027 Site ID: 122940				
SUNOCO ON BROADWAY	675 BROADWAY (BY 58	W 1/8 - 1/4 (0.201 mi.)	N60	116
Spill Number/Closed Date: 1609330 / 2017-01-11 spillno: 1609330 Site ID: 538111				
2ND ON LEFT OFF BROA	FRANKLIN ST	W 1/8 - 1/4 (0.220 mi.)	N63	119

Spill Number/Closed Date: 9602065 / 1996-05-13
spillno: 9602065
Site ID: 113610

RESIDENTIAL HOME	14 ELMDORF ST	WNW 1/8 - 1/4 (0.223 mi.)	P68	126
Spill Number/Closed Date: 0713475 / 2008-03-21 spillno: 0713475 Site ID: 395233				
KOTZIAS RESIDENCE	65 ELMENDORE ST.	NW 1/8 - 1/4 (0.230 mi.)	Q70	127
Spill Number/Closed Date: 9310669 / 1993-12-02 spillno: 9310669 Site ID: 254028				
ROYAL CARTING TRUCK	CEDAR AND STERLING	SW 1/8 - 1/4 (0.238 mi.)	82	142
Spill Number/Closed Date: 0701203 / 2007-08-22 spillno: 0701203 Site ID: 380673				
LATTIN RESIDENCE	53 ELMANDORF STREET	NW 1/8 - 1/4 (0.242 mi.)	Q84	143
Spill Number/Closed Date: 9111374 / 1992-04-20 spillno: 9111374 Site ID: 240446				
CARPINO	693 BROADWAY	W 1/8 - 1/4 (0.246 mi.)	T87	148
Spill Number/Closed Date: 0312972 / 2004-03-30 spillno: 0312972 Site ID: 127354				

Other Ascertainable Records

RCRA NonGen / NLR: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

A review of the RCRA NonGen / NLR list, as provided by EDR, and dated 09/13/2017 has revealed that there are 9 RCRA NonGen / NLR sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
TONY MINERVINI AUTO	***117 TREMPER AVE***	***NE 0 - 1/8 (0.093 mi.)***	***E15***	***31***
TONY MINERVINI AUTO	***117 TREMPER AVE***	***NE 0 - 1/8 (0.093 mi.)***	***E16***	***35***
Q D P ELECTRONICS AS	***77 CORNELL ST 2ND FL***	***ENE 1/8 - 1/4 (0.149 mi.)***	***J37***	***71***
FX SYSTEMS CORP	***77 CORNELL ST***	***ENE 1/8 - 1/4 (0.149 mi.)***	***J38***	***75***
NOT FADE AWAY TIE DY	***77 CORNELL ST - 1ST***	***ENE 1/8 - 1/4 (0.149 mi.)***	***J40***	***81***
CANFIELD MACHINE & T	***17 DEDERICK ST***	***ESE 1/8 - 1/4 (0.197 mi.)***	***O57***	***111***

Lower Elevation	Address	Direction / Distance	Map ID	Page
VOLPIANI HAWTHORNE	***11 FIELD CT***	***WSW 0 - 1/8 (0.033 mi.)***	***B4***	***12***
AMERADA HESS CORP	***625 BROADWAY***	***WSW 0 - 1/8 (0.109 mi.)***	***G24***	***47***
STAVO INDUSTRIES INC	***26 DOWN ST***	***WNW 0 - 1/8 (0.123 mi.)***	***H27***	***54***

EXECUTIVE SUMMARY

ICIS: The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

A review of the ICIS list, as provided by EDR, and dated 11/18/2016 has revealed that there are 3 ICIS sites within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
AMERADA HESS CORP	***625 BROADWAY***	***WSW 0 - 1/8 (0.109 mi.)***	***G24***	***47***
STAVO INDUSTRIES INC	***26 DOWN ST***	***WNW 0 - 1/8 (0.123 mi.)***	***H27***	***54***
BROADWAY CITGO	***675 BROADWAY***	***W 1/8 - 1/4 (0.196 mi.)***	***N56***	***109***

US AIRS: The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

A review of the US AIRS list, as provided by EDR, has revealed that there is 1 US AIRS site within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
SCHABOTS AUTO BODY	29 O'NEIL ST	NW 0 - 1/8 (0.075 mi.)	D10	24

Database: US AIRS MINOR, Date of Government Version: 10/12/2016

FINDS: The Facility Index System contains both facility information and "pointers" to other sources of information that contain more detail. These include: RCRIS; Permit Compliance System (PCS); Aerometric Information Retrieval System (AIRS); FATES (FIFRA [Federal Insecticide Fungicide Rodenticide Act] and TSCA Enforcement System, FTTS [FIFRA/TSCA Tracking System]; CERCLIS; DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes); Federal Underground Injection Control (FURS); Federal Reporting Data System (FRDS); Surface Impoundments (SIA); TSCA Chemicals in Commerce Information System (CICS); PADS; RCRA-J (medical waste transporters/disposers); TRIS; and TSCA. The source of this database is the U.S. EPA/NTIS.

A review of the FINDS list, as provided by EDR, and dated 07/23/2017 has revealed that there are 11 FINDS sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
BOICE BROTHERS DAIRY	36 O NEIL ST	N 0 - 1/8 (0.059 mi.)	7	18
TONY MINERVINI AUTO	***117 TREMPER AVE***	***NE 0 - 1/8 (0.093 mi.)***	***E16***	***35***
FX SYSTEMS CORP	***77 CORNELL ST***	***ENE 1/8 - 1/4 (0.149 mi.)***	***J38***	***75***
NOT FADE AWAY TIE DY	***77 CORNELL ST - 1ST***	***ENE 1/8 - 1/4 (0.149 mi.)***	***J40***	***81***
CANFIELD MACHINE & T	***17 DEDERICK ST***	***ESE 1/8 - 1/4 (0.197 mi.)***	***O57***	***111***
MICRO ELECTRONIC DEV	17 DEDERICK AVE	ESE 1/8 - 1/4 (0.197 mi.)	O58	115

Lower Elevation	Address	Direction / Distance	Map ID	Page
VOLPIANI HAWTHORNE	***11 FIELD CT***	***WSW 0 - 1/8 (0.033 mi.)***	***B4***	***12***
SCHABOTS AUTO BODY	***29 O'NEIL ST***	***NW 0 - 1/8 (0.075 mi.)***	***D9***	***23***
AMERADA HESS CORP	***625 BROADWAY***	***WSW 0 - 1/8 (0.109 mi.)***	***G24***	***47***
STAVO INDUSTRIES INC	***26 DOWN ST***	***WNW 0 - 1/8 (0.123 mi.)***	***H27***	***54***
BROADWAY CITGO	***675 BROADWAY***	***W 1/8 - 1/4 (0.196 mi.)***	***N56***	***109***

EXECUTIVE SUMMARY

ECHO: ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

A review of the ECHO list, as provided by EDR, and dated 03/19/2017 has revealed that there are 9 ECHO sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
TONY MINERVINI AUTO	***117 TREMPER AVE***	***NE 0 - 1/8 (0.093 mi.)***	***E16***	***35***
FX SYSTEMS CORP	***77 CORNELL ST***	***ENE 1/8 - 1/4 (0.149 mi.)***	***J38***	***75***
NOT FADE AWAY TIE DY	***77 CORNELL ST - 1ST***	***ENE 1/8 - 1/4 (0.149 mi.)***	***J40***	***81***
CANFIELD MACHINE & T	***17 DEDERICK ST***	***ESE 1/8 - 1/4 (0.197 mi.)***	***O57***	***111***

Lower Elevation	Address	Direction / Distance	Map ID	Page
VOLPIANI HAWTHORNE	***11 FIELD CT***	***WSW 0 - 1/8 (0.033 mi.)***	***B4***	***12***
SCHABOTS AUTO BODY	***29 O'NEIL ST***	***NW 0 - 1/8 (0.075 mi.)***	***D9***	***23***
AMERADA HESS CORP	***625 BROADWAY***	***WSW 0 - 1/8 (0.109 mi.)***	***G24***	***47***
STAVO INDUSTRIES INC	***26 DOWN ST***	***WNW 0 - 1/8 (0.123 mi.)***	***H27***	***54***
BROADWAY CITGO	***675 BROADWAY***	***W 1/8 - 1/4 (0.196 mi.)***	***N56***	***109***

NY DRYCLEANERS: A listing of all registered drycleaning facilities.

A review of the NY DRYCLEANERS list, as provided by EDR, and dated 10/27/2016 has revealed that there are 2 NY DRYCLEANERS sites within approximately 0.375 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
GANT SHIRT MAKERS Facility Id: 3-5108-00012	77 CORNELL STREET	ENE 1/8 - 1/4 (0.149 mi.)	J36	71
DELUCA CLEANERS Facility Id: 3-5130-00074	***68 PRINCE ST***	***ESE 1/4 - 1/2 (0.330 mi.)***	***AA113***	***189***

NY MANIFEST: Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

A review of the NY MANIFEST list, as provided by EDR, and dated 07/31/2017 has revealed that there are 10 NY MANIFEST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
TONY MINERVINI AUTO EPA ID: NYD982540981	***117 TREMPER AVE***	***NE 0 - 1/8 (0.093 mi.)***	***E15***	***31***
TONY MINERVINI AUTO EPA ID: NYD986964013	***117 TREMPER AVE***	***NE 0 - 1/8 (0.093 mi.)***	***E16***	***35***
Q D P ELECTRONICS AS EPA ID: NYR000036913	***77 CORNELL ST 2ND FL***	***ENE 1/8 - 1/4 (0.149 mi.)***	***J37***	***71***
FX SYSTEMS CORP EPA ID: NYD063788541	***77 CORNELL ST***	***ENE 1/8 - 1/4 (0.149 mi.)***	***J38***	***75***
NOT FADE AWAY TIE DY EPA ID: NYD987020898	***77 CORNELL ST - 1ST***	***ENE 1/8 - 1/4 (0.149 mi.)***	***J40***	***81***
CANFIELD MACHINE & T	***17 DEDERICK ST***	***ESE 1/8 - 1/4 (0.197 mi.)***	***O57***	***111***

EPA ID: NYD980533517

Lower Elevation	Address	Direction / Distance	Map ID	Page
VOLPIANI HAWTHORNE EPA ID: NYR000028969	***11 FIELD CT***	***WSW 0 - 1/8 (0.033 mi.)***	***B4***	***12***
SCHABOT AUTO BODY EPA Id: NYR000020255	***29 ONEIL ST***	***NW 0 - 1/8 (0.075 mi.)***	***D11***	***25***
AMERADA HESS CORP EPA ID: NYD986905255	***625 BROADWAY***	***WSW 0 - 1/8 (0.109 mi.)***	***G24***	***47***
STAVO INDUSTRIES INC EPA ID: NYD982738403	***26 DOWN ST***	***WNW 0 - 1/8 (0.123 mi.)***	***H27***	***54***

NJ MANIFEST: Hazardous waste manifest information.

A review of the NJ MANIFEST list, as provided by EDR, and dated 12/31/2016 has revealed that there is 1 NJ MANIFEST site within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
SCHABOT AUTO BODY EPA Id: NYR000020255	***29 ONEIL ST***	***NW 0 - 1/8 (0.075 mi.)***	***D11***	***25***

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR Hist Auto: EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

A review of the EDR Hist Auto list, as provided by EDR, has revealed that there are 28 EDR Hist Auto sites within approximately 0.375 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
ECKERT WALTER	3 CEDAR ST	S 0 - 1/8 (0.083 mi.)	12	30
ELLSWORTH JOHN H AUT	575 BROADWAY	SSE 0 - 1/8 (0.106 mi.)	F18	39
GUARANTEE AUTO RADIA	571-575 BROADWAY	SSE 0 - 1/8 (0.108 mi.)	F20	41
DE NARDO DOMINICK	29 GREENKILL AVE	SSE 1/8 - 1/4 (0.134 mi.)	I31	64
B&M AUTOMOTIVE	57 RAILROAD AVE	E 1/8 - 1/4 (0.166 mi.)	L47	93
A & H AUTOMOTIVE INC	13 DEDERICK ST	ESE 1/8 - 1/4 (0.221 mi.)	O66	125
66 HENRY ST CORP	66 HENRY ST	WSW 1/8 - 1/4 (0.234 mi.)	80	141
RICHARDS-LOROMA INC	20 FRANKLIN ST	W 1/8 - 1/4 (0.241 mi.)	83	143
JVL AUTO	80 SMITH AVE	E 1/4 - 1/2 (0.276 mi.)	96	170
VAN BUREN DONALD	105 CEDAR ST	SW 1/4 - 1/2 (0.280 mi.)	W98	172

EXECUTIVE SUMMARY

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
V&N AUTOMOTIVE	105 CORNELL ST	NE 1/4 - 1/2 (0.287 mi.)	X100	174
E & R AUTOMOTIVE INC	82 PRINCE ST	ESE 1/4 - 1/2 (0.291 mi.)	Y103	178
FABBIE BROS	130 CORNELL ST	NE 1/4 - 1/2 (0.304 mi.)	Z107	184
J & H SERVICE CENTER	138 CORNELL ST	NE 1/4 - 1/2 (0.304 mi.)	Z108	184
SMITHS SERVICE STATI	465 BROADWAY	SE 1/4 - 1/2 (0.360 mi.)	AB119	209
CHASE STANLEY E	232 ALBANY AVE EXT	NNW 1/4 - 1/2 (0.362 mi.)	121	210
CHAFFE FRANK C JR	9 S STERLING ST	S 1/4 - 1/2 (0.363 mi.)	122	210

Lower Elevation	Address	Direction / Distance	Map ID	Page
THOMPSON HARVEY L	625 BROADWAY	WSW 0 - 1/8 (0.109 mi.)	G21	41
PERRYS MOBIL SERVICE	649 BROADWAY	W 1/8 - 1/4 (0.149 mi.)	K41	85
CASSA JOHN R	675 BROADWAY	W 1/8 - 1/4 (0.201 mi.)	N59	115
APPOLLONIA ARTHUR	BROADWAY & FRANKLIN	W 1/8 - 1/4 (0.214 mi.)	N62	118
L C AUTOMOTIVE	198 TREMPER AVE	NNW 1/8 - 1/4 (0.226 mi.)	69	127
NATIONAL MUFFLER CTR	685 BROADWAY	W 1/8 - 1/4 (0.235 mi.)	T81	141
AMATO JAMES L	697 BROADWAY	W 1/4 - 1/2 (0.258 mi.)	V91	167
HALPIN TIM	695 BROADWAY	W 1/4 - 1/2 (0.260 mi.)	V92	167
MARTIN JERRY PONTIAC	708 BROADWAY	WNW 1/4 - 1/2 (0.270 mi.)	94	169
KINGSTON AUTO SHOWCA	184 ALBANY AVE	NW 1/4 - 1/2 (0.292 mi.)	105	180
BUZZANCO ANTHONY	47 SUMMER ST	S 1/4 - 1/2 (0.344 mi.)	117	208

EDR Hist Cleaner: EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

A review of the EDR Hist Cleaner list, as provided by EDR, has revealed that there are 6 EDR Hist Cleaner sites within approximately 0.375 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
DE LUCA CLEANERS & D	68 PRINCE ST	ESE 1/4 - 1/2 (0.330 mi.)	AA112	188
ITHACA DYEWORKS	116 HENRY ST	WSW 1/4 - 1/2 (0.357 mi.)	118	208

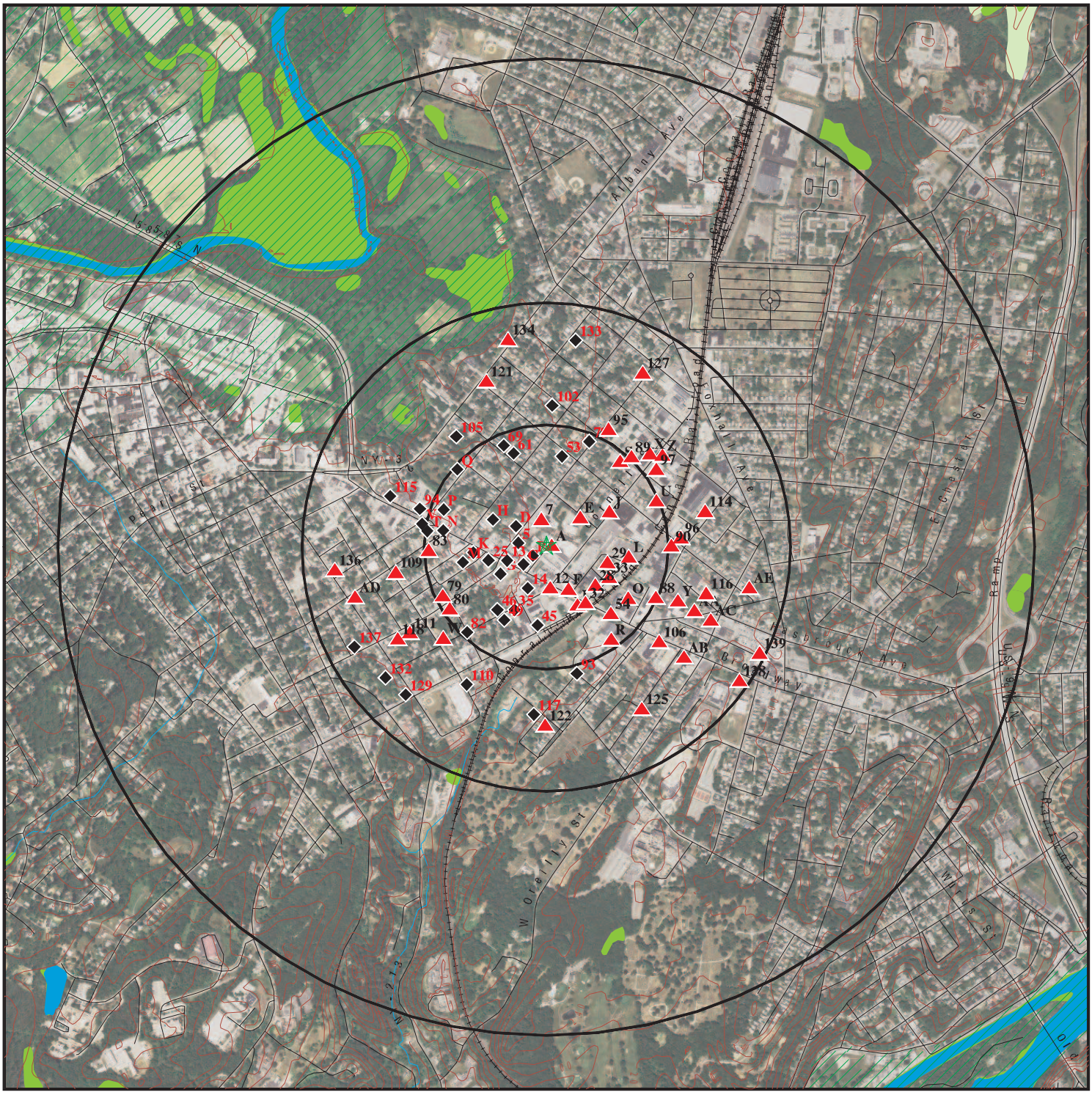
Lower Elevation	Address	Direction / Distance	Map ID	Page
AMERICAN CLEANERS &	624 BROADWAY	WSW 0 - 1/8 (0.085 mi.)	13	30
AMERICAN CLEANERS &	625 BROADWAY	WSW 0 - 1/8 (0.109 mi.)	G22	42
KERN BRIAN	41 GREENKILL AVE	S 1/8 - 1/4 (0.161 mi.)	45	92
BOSTON CLEANERS & DY	732 BROADWAY	WNW 1/4 - 1/2 (0.336 mi.)	115	207

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 3 records.

Site Name	Database(s)
ECONO-WASH AND DRY CLEANING CENTER	NY SHWS
CH - NORTH ST. KINGSTON MGP	NY SHWS
CENTRAL HUDSON G & E /KINGSTON GAS	SEMS-ARCHIVE

OVERVIEW MAP - 5077646.2S



0 1/4 1/2 1 Miles

- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- 100-year flood zone
- 500-year flood zone
- National Wetland Inventory
- State Wetlands
- Upgradient Area

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME:	Field Court	CLIENT:	Ulster County
ADDRESS:	25 Field Court Kingston NY 12401	CONTACT:	Amanda Lavalle
		INQUIRY #:	5077646.2s
LAT/LONG:	41.930336 / 74.003822	DATE:	October 16, 2017 2:54 pm

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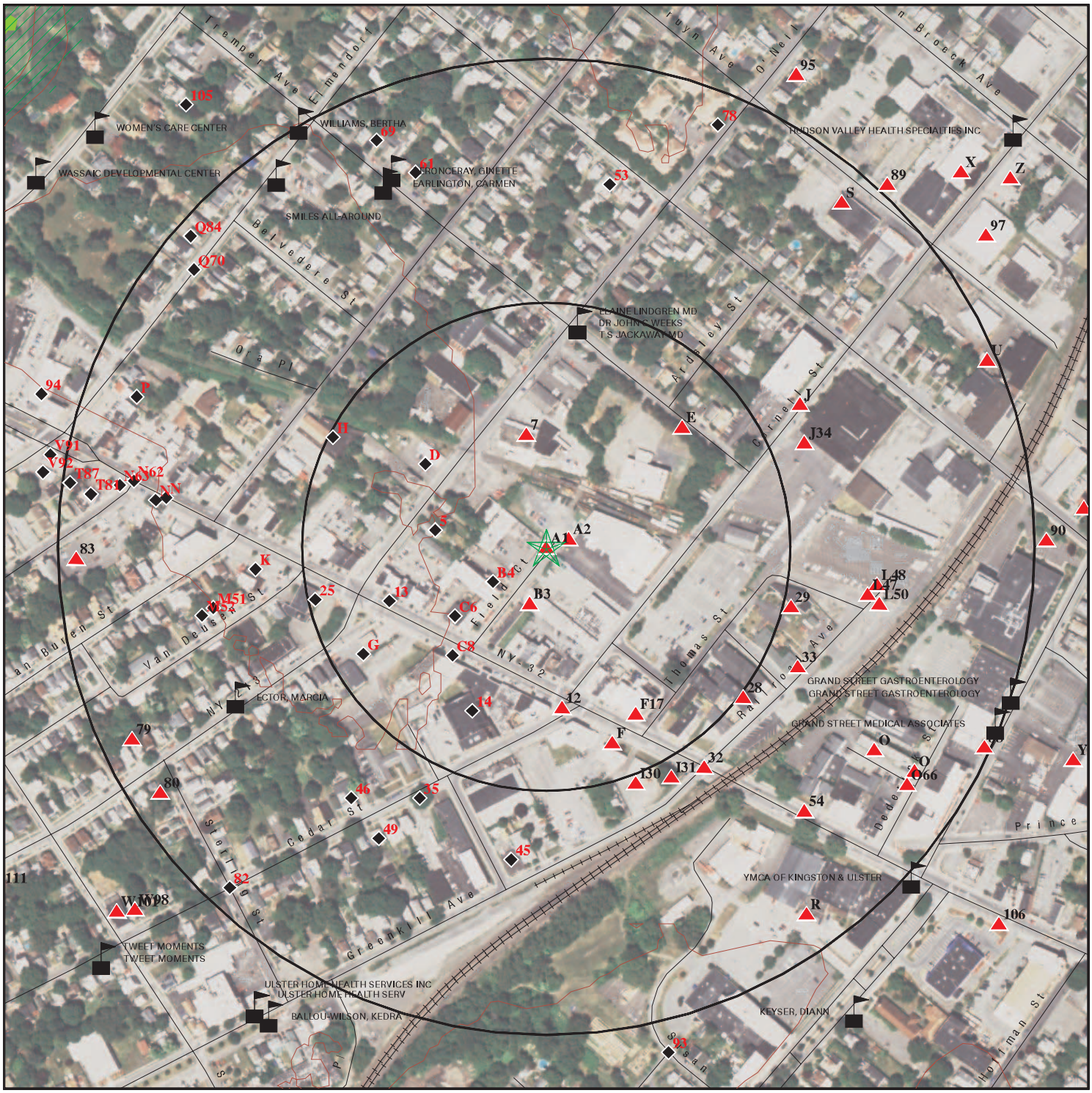
DETAIL MAP - 5077646.2S



- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- Sensitive Receptors
- National Priority List Sites
- Dept. Defense Sites

- Indian Reservations BIA
- 100-year flood zone
- 500-year flood zone
- National Wetland Inventory
- State Wetlands

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Field Court	CLIENT: Ulster County
ADDRESS: 25 Field Court Kingston NY 12401	CONTACT: Amanda Lavalle
LAT/LONG: 41.930336 / 74.003822	INQUIRY #: 5077646.2s DATE: October 16, 2017 2:57 pm

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MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
Federal NPL site list								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	0.250		0	0	NR	NR	NR	0
Federal Delisted NPL site list								
Delisted NPL	1.000		0	0	0	0	NR	0
Federal CERCLIS list								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		0	0	0	NR	NR	0
Federal CERCLIS NFRAP site list								
SEMS-ARCHIVE	0.500		0	0	0	NR	NR	0
Federal RCRA CORRACTS facilities list								
CORRACTS	1.000		0	0	1	0	NR	1
Federal RCRA non-CORRACTS TSD facilities list								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
Federal RCRA generators list								
RCRA-LQG	0.250		0	0	NR	NR	NR	0
RCRA-SQG	0.250		0	0	NR	NR	NR	0
RCRA-CESQG	0.250		1	0	NR	NR	NR	1
Federal institutional controls / engineering controls registries								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROL	0.500		0	0	0	NR	NR	0
Federal ERNS list								
ERNS	0.250		0	2	NR	NR	NR	2
State- and tribal - equivalent CERCLIS								
NY SHWS	1.000		0	0	0	0	NR	0
NY VAPOR REOPENED	1.000		0	0	0	0	NR	0
State and tribal landfill and/or solid waste disposal site lists								
NY SWF/LF	0.500		0	0	1	NR	NR	1
State and tribal leaking storage tank lists								
INDIAN LUST	0.500		0	0	0	NR	NR	0
NY LTANKS	0.500		3	8	31	NR	NR	42
NY HIST LTANKS	0.500		0	0	0	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
State and tribal registered storage tank lists								
FEMA UST	0.250		0	0	NR	NR	NR	0
NY UST	0.250		2	10	NR	NR	NR	12
NY CBS UST	0.375		0	0	0	NR	NR	0
NY MOSF UST	0.500		0	0	0	NR	NR	0
NY CBS	0.250		0	0	NR	NR	NR	0
NY MOSF	0.500		0	0	0	NR	NR	0
NY AST	0.250		0	2	NR	NR	NR	2
NY CBS AST	0.375		0	0	0	NR	NR	0
NY MOSF AST	0.500		0	0	0	NR	NR	0
INDIAN UST	0.250		0	0	NR	NR	NR	0
NY TANKS	0.250		0	0	NR	NR	NR	0
State and tribal institutional control / engineering control registries								
NY RES DECL	0.250		0	0	NR	NR	NR	0
NY ENG CONTROLS	0.250		0	0	NR	NR	NR	0
NY INST CONTROL	0.500		0	0	0	NR	NR	0
State and tribal voluntary cleanup sites								
NY VCP	0.500		0	0	1	NR	NR	1
INDIAN VCP	0.500		0	0	0	NR	NR	0
State and tribal Brownfields sites								
NY BROWNFIELDS	0.500		0	0	0	NR	NR	0
NY ERP	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	1	NR	NR	1
Local Lists of Landfill / Solid Waste Disposal Sites								
NY SWTIRE	0.500		0	0	0	NR	NR	0
NY SWRCY	0.500		0	0	0	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
IHS OPEN DUMPS	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US HIST CDL	0.250		0	0	NR	NR	NR	0
NY DEL SHWS	1.000		0	0	0	0	NR	0
US CDL	0.250		0	0	NR	NR	NR	0
Local Lists of Registered Storage Tanks								
NY HIST UST	0.250		0	0	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
NY HIST AST	0.250		0	0	NR	NR	NR	0
Local Land Records								
NY LIENS	0.250		0	0	NR	NR	NR	0
LIENS 2	0.250		0	0	NR	NR	NR	0
Records of Emergency Release Reports								
HMIRS	0.250		0	0	NR	NR	NR	0
NY Spills	0.250	1	7	23	NR	NR	NR	31
NY Hist Spills	0.250		0	0	NR	NR	NR	0
NY SPILLS 90	0.250		0	0	NR	NR	NR	0
NY SPILLS 80	0.250		0	0	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.250		5	4	NR	NR	NR	9
FUDS	1.000		0	0	0	0	NR	0
DOD	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
US FIN ASSUR	0.250		0	0	NR	NR	NR	0
EPA WATCH LIST	0.250		0	0	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	0.250		0	0	NR	NR	NR	0
TRIS	0.250		0	0	NR	NR	NR	0
SSTS	0.250		0	0	NR	NR	NR	0
ROD	1.000		0	0	0	0	NR	0
RMP	0.250		0	0	NR	NR	NR	0
RAATS	0.250		0	0	NR	NR	NR	0
PRP	0.250		0	0	NR	NR	NR	0
PADS	0.250		0	0	NR	NR	NR	0
ICIS	0.250		2	1	NR	NR	NR	3
FTTS	0.250		0	0	NR	NR	NR	0
MLTS	0.250		0	0	NR	NR	NR	0
COAL ASH DOE	0.250		0	0	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	0.250		0	0	NR	NR	NR	0
RADINFO	0.250		0	0	NR	NR	NR	0
HIST FTTS	0.250		0	0	NR	NR	NR	0
DOT OPS	0.250		0	0	NR	NR	NR	0
CONSENT	1.000		0	0	0	0	NR	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
FUSRAP	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	0.250		0	0	NR	NR	NR	0
US AIRS	0.250		1	0	NR	NR	NR	1
US MINES	0.250		0	0	NR	NR	NR	0
ABANDONED MINES	0.250		0	0	NR	NR	NR	0
FINDS	0.250		6	5	NR	NR	NR	11
UXO	1.000		0	0	0	0	NR	0
DOCKET HWC	0.250		0	0	NR	NR	NR	0
ECHO	0.250		5	4	NR	NR	NR	9
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
NY AIRS	0.250		0	0	NR	NR	NR	0
NY COAL ASH	0.500		0	0	0	NR	NR	0
NY DRYCLEANERS	0.375		0	1	1	NR	NR	2
NY E DESIGNATION	0.250		0	0	NR	NR	NR	0
NY Financial Assurance	0.250		0	0	NR	NR	NR	0
NY HSWDS	0.500		0	0	0	NR	NR	0
NY MANIFEST	0.250		6	4	NR	NR	NR	10
RI MANIFEST	0.250		0	0	NR	NR	NR	0
NJ MANIFEST	0.250		1	0	NR	NR	NR	1
NY SPDES	0.250		0	0	NR	NR	NR	0
NY UIC	0.250		0	0	NR	NR	NR	0
EDR HIGH RISK HISTORICAL RECORDS								
EDR Exclusive Records								
EDR MGP	1.000		0	0	0	0	NR	0
EDR Hist Auto	0.375		4	10	14	NR	NR	28
EDR Hist Cleaner	0.375		2	1	3	NR	NR	6
EDR RECOVERED GOVERNMENT ARCHIVES								
Exclusive Recovered Govt. Archives								
NY RGA HWS	0.250		0	0	NR	NR	NR	0
NY RGA LF	0.250		0	0	NR	NR	NR	0
- Totals --		1	45	75	53	0	0	174

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

A1
Target Property
NEAR O'NEIL ST CENTER OF KINGSTON
25 FIELD COURT
KINGSTON, NY

NY Spills **S109828708**
N/A

Site 1 of 2 in cluster A

Actual: 182 ft.

SPILLS:

Facility ID:	0905668
Facility Type:	ER
DER Facility ID:	367077
Site ID:	417945
DEC Region:	3
Spill Date:	2009-08-14
Spill Number/Closed Date:	0905668 / 2014-05-23
Spill Cause:	Unknown
Spill Class:	Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	5608
Investigator:	ELMOORE
Referred To:	REMEDIATION
Reported to Dept:	2009-08-14
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2009-08-14
Spill Record Last Update:	2016-05-26
Spiller Name:	Not reported
Spiller Company:	UNK
Spiller Address:	Not reported
Spiller City,St,Zip:	NY
Spiller Company:	999
Contact Name:	SAME AS ABOVE
Contact Phone:	Not reported
DEC Memo:	"8/14/09: I spoke with Dan at Chazen. Phase II investigation of a former drapery manufacturing facility for a potential buyer. Current owner is a Mrs Spada who reportedly recently inherited the now vacant property. Buyer is a medical group looking to use the location for doctor's offices. Contamination levels in soil vapor results from beneath the building are relatively high according to Dan. He states he has spoken with Janet Brown of R3 Remediation about the project earlier in the week. He will be following up with her on further investigation. jod 8/26/09: Spills Program is requiring No Further Action as far as petroleum contamination. Janet Brown of R3 Remediation is following up with RP and Albany. Once a BCP number is obtained, spill number will be closed and cross referenced to BCP. jod 5/23/14 As per discussion with Ed moore and John O'Mara NFA JO'M"
Remarks:	"PCE and TCE in air and ground water/ soil. Lab results today."

Material:

Site ID:	417945
Operable Unit ID:	1174149
Operable Unit:	01
Material ID:	2166428

NEAR O'NEIL ST CENTER OF KINGSTON (Continued) **S109828708**

Material Code:	9999
Material Name:	other - pce and TCE in ground water
Case No.:	Not reported
Material FA:	Other
Quantity:	Not reported
Units:	Not reported
Recovered:	Not reported
Resource Affected:	Not reported
Oxygenate:	Not reported

Tank Test:

A2 **THE WONDERLY COMPANY** **NY UST** **U003697817**
ENE **25 CORNELL STREET** **N/A**
< 1/8 **KINGSTON, NY 12401**
0.012 mi.
65 ft. **Site 2 of 2 in cluster A**

Relative:
Higher

Actual:
183 ft.

UST:

Id/Status:	3-601352 / Unregulated/Closed
Program Type:	PBS
Region:	STATE
DEC Region:	3
Expiration Date:	N/A
UTM X:	582668.29408
UTM Y:	4642460.85020
Site Type:	Manufacturing (Other than Chemical)/Processing

Affiliation Records:

Site Id:	34461
Affiliation Type:	Facility Owner
Company Name:	THE WONDERLY COMPANY
Contact Type:	Not reported
Contact Name:	Not reported
Address1:	25 CORNELL STREET PO BOX 1458
Address2:	Not reported
City:	KINGSTON
State:	NY
Zip Code:	12401
Country Code:	001
Phone:	(914) 331-0148
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	2004-03-04

Site Id:	34461
Affiliation Type:	Mail Contact
Company Name:	THE WONDERLY COMPANY
Contact Type:	Not reported
Contact Name:	DREW WONDERLY
Address1:	25 CORNELL STREET
Address2:	PO BOX 1458
City:	KINGSTON
State:	NY
Zip Code:	12401
Country Code:	001

THE WONDERLY COMPANY (Continued) **U003697817**

Phone:	(914) 331-0148
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	2004-03-04

Site Id:	34461
Affiliation Type:	Facility Operator
Company Name:	THE WONDERLY COMPANY
Contact Type:	Not reported
Contact Name:	DREW WONDERLY
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(914) 331-0148
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	2004-03-04

Site Id:	34461
Affiliation Type:	Emergency Contact
Company Name:	THE WONDERLY COMPANY
Contact Type:	Not reported
Contact Name:	DREW WONDERLY
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(914) 331-0148
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	2004-03-04

Tank Info:

Tank Number:	1
Tank ID:	81811
Tank Status:	Closed - Removed
Material Name:	Closed - Removed
Capacity Gallons:	3000
Install Date:	Not reported
Date Tank Closed:	07/01/1999
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)

Tightness Test Method:	NN
Date Test:	Not reported

THE WONDERLY COMPANY (Continued) **U003697817**

Next Test Date: Not reported
Pipe Model: Not reported
Modified By: TRANSLAT
Last Modified: 04/14/2017

Equipment Records:

G00 - Tank Secondary Containment - None
A00 - Tank Internal Protection - None
H00 - Tank Leak Detection - None
I00 - Overfill - None
D00 - Pipe Type - No Piping
B00 - Tank External Protection - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None

B3 **CITY OF KINGSTON FIELD COURT** **NY LTANKS** **S106972522**
SSW **10 FIELD COURT** **N/A**
< 1/8 **KINGSTON, NY**
0.030 mi.
158 ft. **Site 1 of 2 in cluster B**

Relative:
Higher

Actual:
182 ft.

LTANKS:

Site ID:	349215
Spill Number/Closed Date:	0504408 / 2006-05-09
Spill Date:	2005-07-13
Spill Cause:	Tank Failure
Spill Source:	Private Dwelling
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	True
SWIS:	5630
Investigator:	DVWEHRFR
Referred To:	Not reported
Reported to Dept:	2005-07-13
CID:	444
Water Affected:	Not reported
Spill Notifier:	Responsible Party
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	2005-07-13
Spill Record Last Update:	2006-05-24
Spiller Name:	STEVE KALKA
Spiller Company:	NA
Spiller Address:	10 FIELD COURT
Spiller City,St,Zip:	KINGSTON, NY
Spiller County:	001
Spiller Contact:	STEVE KALKA
Spiller Phone:	(845) 434-3509
Spiller Extention:	Not reported
DEC Region:	3
DER Facility ID:	295665
DEC Memo:	"550 #2 FO Ust removed 7/13/05. composite samples taken of sides and bottom (2). Results indicate compliance with TAGM's."
Remarks:	"CORROSION IN TANK; 1 CUBIC YARD ON PLASTIC:"

CITY OF KINGSTON FIELD COURT (Continued) **S106972522**

Material:

Site ID:	349215
Operable Unit ID:	1106843
Operable Unit:	01
Material ID:	2096162
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	Not reported
Units:	Gallons
Recovered:	.00
Resource Affected:	Not reported
Oxygenate:	Not reported

Tank Test:

B4 **VOLPIANI HAWTHORNE** **RCRA NonGen / NLR** **1004760004**
WSW **11 FIELD CT** **FINDS** **NYR000028969**
< 1/8 **KINGSTON, NY 12401** **ECHO**
0.033 mi. **NY MANIFEST**
172 ft. **Site 2 of 2 in cluster B**

Relative:
Lower

Actual:
181 ft.

RCRA NonGen / NLR:

Date form received by agency:	01/01/2007
Facility name:	VOLPIANI HAWTHORNE
Facility address:	11 FIELD CT KINGSTON, NY 12401
EPA ID:	NYR000028969
Mailing address:	RTE 28 KINGSTON, NY 12401
Contact:	DANIEL SILBERBERG
Contact address:	RTE 28 KINGSTON, NY 12401
Contact country:	US
Contact telephone:	914-339-6146
Contact email:	Not reported
EPA Region:	02
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	HAWTHORNE VOLPIANI
Owner/operator address:	896 RTE 28 KINGSTON, NY 12401
Owner/operator country:	US
Owner/operator telephone:	212-555-1212
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

VOLPIANI HAWTHORNE (Continued) **1004760004**

Owner/operator name: HAWTHORNE VOLPIANI
Owner/operator address: 896 RTE 28
KINGSTON, NY 12401
Owner/operator country: US
Owner/operator telephone: 212-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Site name: VOLPIANI HAWTHORNE
Classification: Not a generator, verified

Date form received by agency: 02/28/1998
Site name: VULPLANT HAWTHORNE
Classification: Large Quantity Generator

Date form received by agency: 09/09/1996
Site name: VOLPIANI HAWTHORNE
Classification: Conditionally Exempt Small Quantity Generator

. Waste code: NONE
. Waste name: None

Violation Status: No violations found

FINDS:

Registry ID: 110004528235

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA

VOLPIANI HAWTHORNE (Continued) **1004760004**

program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1004760004
Registry ID:	110004528235
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110004528235

NY MANIFEST:

Country:	USA
EPA ID:	NYR000028969
Facility Status:	Not reported
Location Address 1:	11 FIELD CT
Code:	BP
Location Address 2:	Not reported
Total Tanks:	Not reported
Location City:	KINGSTON
Location State:	NY
Location Zip:	12401
Location Zip 4:	Not reported

NY MANIFEST:

EPAID:	NYR000028969
Mailing Name:	VOLPIANI HAWTHORNE
Mailing Contact:	DANIEL SILBERBERG
Mailing Address 1:	896 RTE 28
Mailing Address 2:	Not reported
Mailing City:	KINGSTON
Mailing State:	NY
Mailing Zip:	12401
Mailing Zip 4:	Not reported
Mailing Country:	USA
Mailing Phone:	9143396146

NY MANIFEST:

Document ID:	NJA2590554
Manifest Status:	K
seq:	Not reported
Year:	1997
Trans1 State ID:	17446
Trans2 State ID:	88642
Generator Ship Date:	08/01/1997
Trans1 Recv Date:	08/04/1997
Trans2 Recv Date:	08/05/1997
TSD Site Recv Date:	08/06/1997
Part A Recv Date:	/ /
Part B Recv Date:	09/10/1997
Generator EPA ID:	NYR000028969
Trans1 EPA ID:	NYD980761191
Trans2 EPA ID:	NYD980761191
TSDF ID 1:	NJD002200046
TSDF ID 2:	Not reported

VOLPIANI HAWTHORNE (Continued) **1004760004**

Manifest Tracking Number:	Not reported
Import Indicator:	Not reported
Export Indicator:	Not reported
Discr Quantity Indicator:	Not reported
Discr Type Indicator:	Not reported
Discr Residue Indicator:	Not reported
Discr Partial Reject Indicator:	Not reported
Discr Full Reject Indicator:	Not reported
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	Not reported
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	01270
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	008
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	00035
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100

Click this hyperlink while viewing on your computer to access additional NY_MANIFEST: detail in the EDR Site Report.

5
West
< 1/8
0.057 mi.
303 ft.

REAR OF RESIDENCE
18 O'NEIL ST
KINGSTON, NY

NY Spills **S102664253**
N/A

Relative:
Lower

Actual:
180 ft.

SPILLS:

Facility ID:	9702813
Facility Type:	ER
DER Facility ID:	82993
Site ID:	92418
DEC Region:	3
Spill Date:	1997-06-04
Spill Number/Closed Date:	9702813 / 1997-06-27
Spill Cause:	Abandoned Drums
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	5630

REAR OF RESIDENCE (Continued) **S102664253**

Investigator:	dxtraver
Referred To:	Not reported
Reported to Dept:	1997-06-05
CID:	999
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	DEC
Cleanup Ceased:	Not reported
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	1997-06-05
Spill Record Last Update:	1998-03-20
Spiller Name:	Not reported
Spiller Company:	WAREHOUSE/FURNITURE FINIS
Spiller Address:	FIELD COURT/OFF BROADWAY
Spiller City,St,Zip:	KINGSTON, NY
Spiller Company:	001
Contact Name:	Not reported
Contact Phone:	Not reported
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was TRAVER 06/27/97 DEC INITIALLY HIRED IDC TO STABILIZE CONTAINERS. BECI AND BILL MORE ALSO ON SITE. RP CONTACTED AND TOOK OVER CLEANUP AND PAYMENT TO CONTRACTOR. NFA; "
Remarks:	"DRUMS LEAKING ON PROPERTY ADJACENT TO RESIDENCE. DRUMS HAVE ODOR OF PAINT THINNER."

Material:

Site ID:	92418
Operable Unit ID:	1045534
Operable Unit:	01
Material ID:	335744
Material Code:	0064A
Material Name:	unknown material
Case No.:	Not reported
Material FA:	Other
Quantity:	30.00
Units:	Gallons
Recovered:	.00
Resource Affected:	Not reported
Oxygenate:	Not reported

Tank Test:

C6 **SAFECO ALARMS** **NY LTANKS** **S102674398**
SW **612 BROADWAY** **N/A**
< 1/8 **KINGSTON, NY**
0.059 mi.
310 ft. **Site 1 of 2 in cluster C**

Relative:
Lower

Actual:
180 ft.

LTANKS:

Site ID:	167295
Spill Number/Closed Date:	9414762 / 1995-02-15
Spill Date:	1995-02-09
Spill Cause:	Tank Overfill

SAFECO ALARMS (Continued) **S102674398**

Spill Source:	Commercial/Industrial
Spill Class:	Known release with minimal potential for fire or hazard. No DEC Response. No corrective action required.
Cleanup Ceased:	1995-02-15
Cleanup Meets Standard:	False
SWIS:	5630
Investigator:	RICCI
Referred To:	Not reported
Reported to Dept:	1995-02-09
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Responsible Party
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	Not reported
Spill Record Last Update:	2003-12-02
Spiller Name:	Not reported
Spiller Company:	KOSCO
Spiller Address:	Not reported
Spiller City,St,Zip:	NY
Spiller County:	999
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	3
DER Facility ID:	140957
DEC Memo:	""
Remarks:	"BASEMENT TANK CUSTOMER FOUND SPILL AFTER DELIVERY CLEAN UP CREW SENT AND CLEANED UP"

Material:

Site ID:	167295
Operable Unit ID:	1012265
Operable Unit:	01
Material ID:	373487
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	Not reported
Recovered:	.00
Resource Affected:	Not reported
Oxygenate:	Not reported

Tank Test:

7
North
< 1/8
0.059 mi.
310 ft.

BOICE BROTHERS DAIRY — **FINDS** **1011849592**
36 O NEIL ST — **N/A**
KINGSTON, NY 12401

Relative:
Higher

Actual:
182 ft.

FINDS:

Registry ID: 110037088068

Environmental Interest/Information System

ICIS (Integrated Compliance Information System) is the Integrated Compliance Information System and provides a database that, when complete, will contain integrated Enforcement and Compliance information across most of EPA's programs. The vision for ICIS is to replace EPA's independent databases that contain Enforcement data with a single repository for that information. Currently, ICIS contains all Federal Administrative and Judicial enforcement actions. This information is maintained in ICIS by EPA in the Regional offices and it Headquarters. A future release of ICIS will replace the Permit Compliance System (PCS) which supports the NPDES and will integrate that information with Federal actions already in the system. ICIS also has the capability to track other activities occurring in the Region that support Compliance and Enforcement programs. These include; Incident Tracking, Compliance Assistance, and Compliance Monitoring.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

C8
SW
< 1/8
0.073 mi.
388 ft.

CHEEKAM MART, INC. — **NY UST** **U001843230**
625 BROADWAY & HENRY ST. — **N/A**
KINGSTON, NY 12401

Site 2 of 2 in cluster C

Relative:
Lower

Actual:
180 ft.

UST:

Id/Status:	3-174068 / Active
Program Type:	PBS
Region:	STATE
DEC Region:	3
Expiration Date:	12/03/2017
UTM X:	583890.39386
UTM Y:	4641729.72454
Site Type:	Retail Gasoline Sales

Affiliation Records:

Site Id:	32558
Affiliation Type:	Facility Owner
Company Name:	CHEEKAM KING, LLC
Contact Type:	PRESIDENT
Contact Name:	KAMRAN KHAN
Address1:	5 OLEV LANE
Address2:	Not reported
City:	NEW PALTZ
State:	NY
Zip Code:	12561
Country Code:	999
Phone:	(845) 797-2200
EMail:	CHEEKAM@YAHOO.COM

CHEEKAM MART, INC. (Continued) **U001843230**

Fax Number:	Not reported
Modified By:	BHYUKOWE
Date Last Modified:	2014-09-11
Site Id:	32558
Affiliation Type:	Mail Contact
Company Name:	CHEEKAM KING, LLC
Contact Type:	PRESIDENT
Contact Name:	KAMRAN KHAN
Address1:	5 OLEV LANE
Address2:	Not reported
City:	NEW PALTZ
State:	NY
Zip Code:	12561
Country Code:	999
Phone:	(845) 797-2200
EMail:	CHEEKAM@YAHOO.COM
Fax Number:	Not reported
Modified By:	BHYUKOWE
Date Last Modified:	2014-09-11
Site Id:	32558
Affiliation Type:	Emergency Contact
Company Name:	CHEEKAM KING, LLC
Contact Type:	Not reported
Contact Name:	KAMRAN KHAN
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(845) 797-2200
EMail:	Not reported
Fax Number:	Not reported
Modified By:	jpcummin
Date Last Modified:	2008-08-07
Site Id:	32558
Affiliation Type:	Facility Operator
Company Name:	CHEEKAM MART, INC.
Contact Type:	Not reported
Contact Name:	CHEEFOOI WONG
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(845) 338-2895
EMail:	Not reported
Fax Number:	Not reported
Modified By:	AYLAGATI
Date Last Modified:	2016-11-03

Tank Info:

CHEEKAM MART, INC. (Continued) **U001843230**

Tank Number: 1
Tank ID: 71816
Tank Status: Closed Prior to Micro Conversion, 03/91
Material Name: Closed Prior to Micro Conversion, 03/91
Capacity Gallons: 10000
Install Date: 12/01/1969
Date Tank Closed: Not reported
Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 0008
Common Name of Substance: Diesel

Tightness Test Method: 01
Date Test: 01/01/1988
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: TRANSLAT
Last Modified: 04/14/2017

Equipment Records:

G00 - Tank Secondary Containment - None
J02 - Dispenser - Suction Dispenser
H00 - Tank Leak Detection - None
F00 - Pipe External Protection - None
B00 - Tank External Protection - None
C00 - Pipe Location - No Piping
D02 - Pipe Type - Galvanized Steel
A00 - Tank Internal Protection - None
I04 - Overfill - Product Level Gauge (A/G)

Tank Number: 1R1
Tank ID: 71819
Tank Status: In Service
Material Name: In Service
Capacity Gallons: 10000
Install Date: 06/01/1990
Date Tank Closed: Not reported
Registered: True
Tank Location: Underground
Tank Type: Equivalent technology
Material Code: 2712
Common Name of Substance: Gasoline/Ethanol

Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: C
Modified By: BHYUKOWE
Last Modified: 04/14/2017

Equipment Records:

G04 - Tank Secondary Containment - Double-Walled (Underground)
L07 - Piping Leak Detection - Pressurized Piping Leak Detector
F04 - Pipe External Protection - Fiberglass
C03 - Pipe Location - Aboveground/Underground Combination
K01 - Spill Prevention - Catch Basin

CHEEKAM MART, INC. (Continued) **U001843230**

D06 - Pipe Type - Fiberglass Reinforced Plastic (FRP)
B04 - Tank External Protection - Fiberglass
J01 - Dispenser - Pressurized Dispenser
E04 - Piping Secondary Containment - Double walled UG
H02 - Tank Leak Detection - Interstitial - Manual Monitoring
L99 - Piping Leak Detection - Other
I01 - Overfill - Float Vent Valve
A03 - Tank Internal Protection - Fiberglass Liner (FRP)

Tank Number:	1R2
Tank ID:	71820
Tank Status:	In Service
Material Name:	In Service
Capacity Gallons:	10000
Install Date:	06/01/1990
Date Tank Closed:	Not reported
Registered:	True
Tank Location:	Underground
Tank Type:	Equivalent technology
Material Code:	0008
Common Name of Substance:	Diesel
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Pipe Model:	C
Modified By:	BHYUKOWE
Last Modified:	04/14/2017

Equipment Records:

G04 - Tank Secondary Containment - Double-Walled (Underground)
L07 - Piping Leak Detection - Pressurized Piping Leak Detector
K01 - Spill Prevention - Catch Basin
B04 - Tank External Protection - Fiberglass
D06 - Pipe Type - Fiberglass Reinforced Plastic (FRP)
C03 - Pipe Location - Aboveground/Underground Combination
F04 - Pipe External Protection - Fiberglass
H02 - Tank Leak Detection - Interstitial - Manual Monitoring
J01 - Dispenser - Pressurized Dispenser
E04 - Piping Secondary Containment - Double walled UG
I01 - Overfill - Float Vent Valve
L99 - Piping Leak Detection - Other
A03 - Tank Internal Protection - Fiberglass Liner (FRP)

Tank Number:	1R3
Tank ID:	71821
Tank Status:	In Service
Material Name:	In Service
Capacity Gallons:	10000
Install Date:	06/01/1990
Date Tank Closed:	Not reported
Registered:	True
Tank Location:	Underground
Tank Type:	Equivalent technology
Material Code:	2712
Common Name of Substance:	Gasoline/Ethanol

CHEEKAM MART, INC. (Continued) **U001843230**

Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: C
Modified By: BHYUKOWE
Last Modified: 04/14/2017

Equipment Records:

G04 - Tank Secondary Containment - Double-Walled (Underground)
L07 - Piping Leak Detection - Pressurized Piping Leak Detector
K01 - Spill Prevention - Catch Basin
D06 - Pipe Type - Fiberglass Reinforced Plastic (FRP)
B04 - Tank External Protection - Fiberglass
F04 - Pipe External Protection - Fiberglass
C03 - Pipe Location - Aboveground/Underground Combination
J01 - Dispenser - Pressurized Dispenser
E04 - Piping Secondary Containment - Double walled UG
H02 - Tank Leak Detection - Interstitial - Manual Monitoring
L99 - Piping Leak Detection - Other
I01 - Overfill - Float Vent Valve
A03 - Tank Internal Protection - Fiberglass Liner (FRP)

Tank Number: 2
Tank ID: 71817
Tank Status: Closed Prior to Micro Conversion, 03/91
Material Name: Closed Prior to Micro Conversion, 03/91
Capacity Gallons: 10000
Install Date: 12/01/1969
Date Tank Closed: Not reported
Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 0009
Common Name of Substance: Gasoline

Tightness Test Method: 01
Date Test: 01/01/1988
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: TRANSLAT
Last Modified: 04/14/2017

Equipment Records:

H00 - Tank Leak Detection - None
G00 - Tank Secondary Containment - None
J02 - Dispenser - Suction Dispenser
F00 - Pipe External Protection - None
B00 - Tank External Protection - None
C00 - Pipe Location - No Piping
D02 - Pipe Type - Galvanized Steel
A00 - Tank Internal Protection - None
I04 - Overfill - Product Level Gauge (A/G)

Tank Number: 3
Tank ID: 71818
Tank Status: Closed Prior to Micro Conversion, 03/91

CHEEKAM MART, INC. (Continued) **U001843230**

Material Name:	Closed Prior to Micro Conversion, 03/91
Capacity Gallons:	10000
Install Date:	12/01/1969
Date Tank Closed:	Not reported
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0009
Common Name of Substance:	Gasoline
Tightness Test Method:	01
Date Test:	01/01/1988
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	TRANSLAT
Last Modified:	04/14/2017

Equipment Records:

H00 - Tank Leak Detection - None
J02 - Dispenser - Suction Dispenser
G00 - Tank Secondary Containment - None
B00 - Tank External Protection - None
C00 - Pipe Location - No Piping
D02 - Pipe Type - Galvanized Steel
F00 - Pipe External Protection - None
A00 - Tank Internal Protection - None
I04 - Overfill - Product Level Gauge (A/G)

D9 **SCHABOTS AUTO BODY** **FINDS 1016124530**
NW **29 O'NEIL ST** **ECHO N/A**
< 1/8 **KINGSTON, NY 12401**
0.075 mi.
396 ft. **Site 1 of 3 in cluster D**

Relative:
Lower

Actual:
179 ft.

FINDS:

Registry ID: 110038438429

Environmental Interest/Information System

AFS (Aerometric Information Retrieval System (AIRS) Facility Subsystem) replaces the former Compliance Data System (CDS), the National Emission Data System (NEDS), and the Storage and Retrieval of Aerometric Data (SAROAD). AIRS is the national repository for information concerning airborne pollution in the United States. AFS is used to track emissions and compliance data from industrial plants. AFS data are utilized by states to prepare State Implementation Plans to comply with regulatory programs and by EPA as an input for the estimation of total national emissions. AFS is undergoing a major redesign to support facility operating permits required under Title V of the Clean Air Act.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

SCHABOTS AUTO BODY (Continued) **1016124530**

FIS (New York - Facility Information System) is New York's Department of Environmental Conservation (DEC) information system for tracking environmental facility information found across the State.

AIR MINOR

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1016124530
Registry ID: 110038438429
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110038438429

D10 **SCHABOTS AUTO BODY** **US AIRS** **1012087368**
NW **29 O'NEIL ST** **N/A**
< 1/8 **KINGSTON, NY 00000**
0.075 mi.
396 ft. **Site 2 of 3 in cluster D**

Relative:
Lower

Actual:
179 ft.

US AIRS MINOR:
Envid: 1012087368
Region Code: 02
Programmatic ID: AIR NY0000003513000047
Facility Registry ID: 110038438429
D and B Number: Not reported
Primary SIC Code: 7532
NAICS Code: 999999
Default Air Classification Code: MIN
Facility Type of Ownership Code: POF
Air CMS Category Code: Not reported
HPV Status: Not reported

US AIRS MINOR:
Region Code: 02
Programmatic ID: AIR NY0000003513000047
Facility Registry ID: 110038438429
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2009-02-20 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 02
Programmatic ID: AIR NY0000003513000047
Facility Registry ID: 110038438429
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2009-05-01 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

D11 **SCHABOT AUTO BODY** **RCRA-CESQG** **1004759763**
NW **29 ONEIL ST** **NY MANIFEST** **NYR000020255**
< 1/8 **KINGSTON, NY 12401** **NJ MANIFEST**
0.075 mi.
396 ft. **Site 3 of 3 in cluster D**

Relative:
Lower

Actual:
179 ft.

RCRA-CESQG:

Date form received by agency:	01/01/2007
Facility name:	SCHABOT AUTO BODY
Facility address:	29 ONEIL ST KINGSTON, NY 12401
EPA ID:	NYR000020255
Mailing address:	ONEIL ST KINGSTON, NY 12401
Contact:	CHRIS REIF
Contact address:	ONEIL ST KINGSTON, NY 12401
Contact country:	US
Contact telephone:	914-338-5453
Contact email:	Not reported
EPA Region:	02
Land type:	Private
Classification:	Conditionally Exempt Small Quantity Generator
Description:	Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Owner/Operator Summary:

Owner/operator name:	CHRISTIAN S REIF
Owner/operator address:	PO BOX 55 CONNELLY, NY 12417
Owner/operator country:	US
Owner/operator telephone:	914-339-5378
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	CHRISTIAN S REIF
Owner/operator address:	PO BOX 55 CONNELLY, NY 12417
Owner/operator country:	US
Owner/operator telephone:	914-339-5378
Owner/operator email:	Not reported
Owner/operator fax:	Not reported

SCHABOT AUTO BODY (Continued) **1004759763**

Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Site name: SCHABOT AUTO BODY
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 02/28/1996
Site name: SCHABOT AUTO BODY
Classification: Conditionally Exempt Small Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: F001
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLORETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F002
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

SCHABOT AUTO BODY (Continued) **1004759763**

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F005
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Violation Status: No violations found

Evaluation Action Summary:
Evaluation date: 09/07/2011
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

NY MANIFEST:
Country: USA
EPA ID: NYR000020255
Facility Status: Not reported
Location Address 1: 29 ONEIL ST
Code: BP
Location Address 2: Not reported
Total Tanks: Not reported
Location City: KINGSTON
Location State: NY
Location Zip: 12401
Location Zip 4: Not reported

NY MANIFEST:
EPAID: NYR000020255
Mailing Name: SCHABOT AUTO BODY
Mailing Contact: CHRIS REIF
Mailing Address 1: 29 ONEIL ST
Mailing Address 2: Not reported
Mailing City: KINGSTON
Mailing State: NY
Mailing Zip: 12401
Mailing Zip 4: Not reported
Mailing Country: USA
Mailing Phone: 9143385453

NY MANIFEST:

SCHABOT AUTO BODY (Continued) **1004759763**

Document ID:	Not reported
Manifest Status:	Not reported
seq:	Not reported
Year:	2009
Trans1 State ID:	NJD080631369
Trans2 State ID:	Not reported
Generator Ship Date:	04/24/2009
Trans1 Recv Date:	04/24/2009
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	04/24/2009
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000020255
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID 1:	NJD980536593
TSDF ID 2:	Not reported
Manifest Tracking Number:	000209578VES
Import Indicator:	N
Export Indicator:	N
Discr Quantity Indicator:	N
Discr Type Indicator:	N
Discr Residue Indicator:	N
Discr Partial Reject Indicator:	N
Discr Full Reject Indicator:	N
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	H141
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	800.0
Units:	P - Pounds
Number of Containers:	2.0
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Waste Code:	F003
Waste Code 1_2:	D001
Waste Code 1_3:	Not reported
Waste Code 1_4:	F006
Waste Code 1_5:	D035
Waste Code 1_6:	Not reported

Click this hyperlink while viewing on your computer to access
9 additional NY_MANIFEST: record(s) in the EDR Site Report.

NJ MANIFEST:

EPA Id:	NYR000020255
Mail Address:	ONEIL ST
Mail City/State/Zip:	KINGSTON, NY 12401
Facility Phone:	Not reported

SCHABOT AUTO BODY (Continued) **1004759763**

Emergency Phone:	Not reported
Contact:	CHRIS REIF
Comments:	Not reported
SIC Code:	Not reported
County:	NY111
Municipal:	Not reported
Previous EPA Id:	Not reported
Gen Flag:	Not reported
Trans Flag:	Not reported
TSDF Flag:	Not reported
Name Change:	Not reported
Date Change:	Not reported

Manifest:

Manifest Number:	000209578VES
EPA ID:	NYR000020255
Date Shipped:	04/24/2009
TSDF EPA ID:	NJD980536593
Transporter EPA ID:	NJD080631369
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 9 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	04/24/2009
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	04/24/2009
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	Not reported
Was Load Rejected:	KINGSTON, NY 12401
Reason Load Was Rejected:	Not reported

Waste:

Manifest Year:	Not reported
Waste Code:	F003

SCHABOT AUTO BODY (Continued) **1004759763**

Hand Code: H141
Quantity: 800 P

12
South
< 1/8
0.083 mi.
436 ft.

ECKERT WALTER **EDR Hist Auto** **1020316505**
3 CEDAR ST **N/A**
KINGSTON, NY 12401

Relative:
Higher

Actual:
182 ft.

EDR Hist Auto

Year:	Name:	Type:
1985	ECKERT WALTER	Gasoline Service Stations
1986	ECKERT WALTER	Gasoline Service Stations
1987	ECKERT WALTER	Gasoline Service Stations
1988	ECKERT WALTER	Gasoline Service Stations
1989	ECKERT WALTER	Gasoline Service Stations, NEC
1990	ECKERT WALTER	Gasoline Service Stations, NEC
1991	ECKERT WALTER	Gasoline Service Stations, NEC
1992	ECKERT WALTER	Gasoline Service Stations, NEC
1993	ECKERT WALTER	Gasoline Service Stations, NEC

13
WSW
< 1/8
0.085 mi.
448 ft.

AMERICAN CLEANERS & DYERS CO **EDR Hist Cleaner** **1019927393**
624 BROADWAY **N/A**
KINGSTON, NY 12401

Relative:
Lower

Actual:
180 ft.

EDR Hist Cleaner

Year:	Name:	Type:
1969	AMERICAN CLEANERS & DYERS CO	Drycleaning Plants, Except Rugs
1970	AMERICAN CLEANERS & DYERS CO	Drycleaning Plants, Except Rugs

---

14
SSW
< 1/8
0.092 mi.
487 ft.

ULSTER PERFORMING ARTS **NY Spills** **S102110134**
601 BROADWAY **N/A**
KINGSTON, NY

Relative:
Lower

Actual:
180 ft.

SPILLS:

Facility ID:	9412758
Facility Type:	ER
DER Facility ID:	121168
Site ID:	141934
DEC Region:	3
Spill Date:	1994-12-23
Spill Number/Closed Date:	9412758 / 1995-01-10
Spill Cause:	Equipment Failure
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	5630

ULSTER PERFORMING ARTS (Continued) **S102110134**

Investigator:	RICCI
Referred To:	Not reported
Reported to Dept:	1994-12-23
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Tank Truck
Spill Notifier:	Responsible Party
Cleanup Ceased:	1995-01-10
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	Not reported
Spill Record Last Update:	2003-12-02
Spiller Name:	Not reported
Spiller Company:	KOSCO
Spiller Address:	Not reported
Spiller City,St,Zip:	NY
Spiller Company:	999
Contact Name:	Not reported
Contact Phone:	Not reported
DEC Memo:	""
Remarks:	"LES THAN ONE GAL WAS SPILLED DUE TO A PROBLEM WITH FILL CAP CLEANED UP WITH SPEEDI-DRI"

Material:

Site ID:	141934
Operable Unit ID:	1010344
Operable Unit:	01
Material ID:	375051
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	1.00
Units:	Gallons
Recovered:	.00
Resource Affected:	Not reported
Oxygenate:	Not reported

Tank Test:

E15 **TONY MINERVINI AUTO BODY** **RCRA NonGen / NLR** **1000440247**
NE **117 TREMPER AVE** **NY MANIFEST** **NYD982540981**
< 1/8 **KINGSTON, NY 12401**
0.093 mi.
490 ft. **Site 1 of 2 in cluster E**

Relative:
Higher

Actual:
183 ft.

RCRA NonGen / NLR:

Date form received by agency:	01/01/2007
Facility name:	TONY MINERVINI AUTO BODY
Facility address:	117 TREMPER AVE KINGSTON, NY 12401
EPA ID:	NYD982540981
Mailing address:	WILBER AVE KINGSTON, NY 12401

TONY MINERVINI AUTO BODY (Continued) **1000440247**

Contact:	Not reported
Contact address:	WILBER AVE KINGSTON, NY 12401
Contact country:	US
Contact telephone:	Not reported
Contact email:	Not reported
EPA Region:	02
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	ANTHONY MINERVINI JR
Owner/operator address:	NOT REQUIRED NOT REQUIRED, WY 99999
Owner/operator country:	US
Owner/operator telephone:	212-555-1212
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	ANTHONY MINERVINI JR
Owner/operator address:	NOT REQUIRED NOT REQUIRED, WY 99999
Owner/operator country:	US
Owner/operator telephone:	212-555-1212
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Historical Generators:

Date form received by agency: 01/01/2006

TONY MINERVINI AUTO BODY (Continued) **1000440247**

Site name: TONY MINERVINI AUTO BODY
Classification: Not a generator, verified

Date form received by agency: 04/27/1995
Site name: TONY MINERVINI AUTO BODY
Classification: Not a generator, verified

. Waste code: NONE
. Waste name: None

Date form received by agency: 08/29/1988
Site name: TONY MINERVINI AUTO BODY
Classification: Small Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F005
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Violation Status: No violations found

NY MANIFEST:
Country: USA
EPA ID: NYD982540981
Facility Status: Not reported
Location Address 1: 517 WILBER AVENUE
Code: BP
Location Address 2: Not reported
Total Tanks: Not reported
Location City: KINGSTON
Location State: NY
Location Zip: 12401
Location Zip 4: Not reported

NY MANIFEST:
EPAID: NYD982540981
Mailing Name: TONY MINERVINI AUTO BODY
Mailing Contact: TONY MINERVINI AUTO BODY
Mailing Address 1: 517 WILBER AVENUE

TONY MINERVINI AUTO BODY (Continued) **1000440247**

Mailing Address 2:	Not reported
Mailing City:	KINGSTON
Mailing State:	NY
Mailing Zip:	12401
Mailing Zip 4:	Not reported
Mailing Country:	USA
Mailing Phone:	9143381687

NY MANIFEST:

Document ID:	NJA0965425
Manifest Status:	C
seq:	Not reported
Year:	1991
Trans1 State ID:	NJDEPS103
Trans2 State ID:	Not reported
Generator Ship Date:	02/05/1991
Trans1 Recv Date:	02/05/1991
Trans2 Recv Date:	/ /
TSD Site Recv Date:	02/06/1991
Part A Recv Date:	02/21/1991
Part B Recv Date:	02/21/1991
Generator EPA ID:	NYD982540981
Trans1 EPA ID:	NJD980787147
Trans2 EPA ID:	Not reported
TSDF ID 1:	NJD002454544
TSDF ID 2:	Not reported
Manifest Tracking Number:	Not reported
Import Indicator:	Not reported
Export Indicator:	Not reported
Discr Quantity Indicator:	Not reported
Discr Type Indicator:	Not reported
Discr Residue Indicator:	Not reported
Discr Partial Reject Indicator:	Not reported
Discr Full Reject Indicator:	Not reported
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	Not reported
Waste Code:	F003 - UNKNOWN
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	00050
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100

Click this hyperlink while viewing on your computer to access
5 additional NY_MANIFEST: record(s) in the EDR Site Report.

E16 **TONY MINERVINI AUTO BODY** **RCRA NonGen / NLR** **1004757923**
NE **117 TREMPER AVE** **FINDS** **NYD986964013**
< 1/8 **KINGSTON, NY 12401** **ECHO**
0.093 mi. **NY MANIFEST**
490 ft. **Site 2 of 2 in cluster E**

Relative:
Higher

Actual:
183 ft.

RCRA NonGen / NLR:

Date form received by agency:	01/01/2007
Facility name:	TONY MINERVINI AUTO BODY
Facility address:	117 TREMPER AVE KINGSTON, NY 12401
EPA ID:	NYD986964013
Mailing address:	TREMPER AVE KINGSTON, NY 12401
Contact:	ANTHONY MINERVINI
Contact address:	TREMPER AVE KINGSTON, NY 12401
Contact country:	US
Contact telephone:	914-338-1887
Contact email:	Not reported
EPA Region:	02
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	BETTY SPADA
Owner/operator address:	46 CRANE ST KINGSTON, NY 12401
Owner/operator country:	US
Owner/operator telephone:	914-331-0980
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	BETTY SPADA
Owner/operator address:	46 CRANE ST KINGSTON, NY 12401
Owner/operator country:	US
Owner/operator telephone:	914-331-0980
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No

TONY MINERVINI AUTO BODY (Continued) **1004757923**

On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Site name: TONY MINERVINI AUTO BODY
Classification: Not a generator, verified

Date form received by agency: 04/13/1992
Site name: TONY MINERVINI AUTO BODY
Classification: Conditionally Exempt Small Quantity Generator

. Waste code: D000
. Waste name: Not Defined

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

. Waste code: D039
. Waste name: TETRACHLOROETHYLENE

. Waste code: F001
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLORETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Violation Status: No violations found

FINDS:

Registry ID: 110004424864

Environmental Interest/Information System

TONY MINERVINI AUTO BODY (Continued) **1004757923**

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1004757923
Registry ID:	110004424864
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110004424864

NY MANIFEST:

Country:	USA
EPA ID:	NYD986964013
Facility Status:	Not reported
Location Address 1:	117 TREMPER AVENUE
Code:	BP
Location Address 2:	Not reported
Total Tanks:	Not reported
Location City:	KINGSTON
Location State:	NY
Location Zip:	12401
Location Zip 4:	Not reported

NY MANIFEST:

EPAID:	NYD986964013
Mailing Name:	TONY MINERVINI AUTO BODY
Mailing Contact:	TONY
Mailing Address 1:	117 TREMPER AVENUE
Mailing Address 2:	Not reported
Mailing City:	KINGSTON
Mailing State:	NY
Mailing Zip:	12401
Mailing Zip 4:	Not reported
Mailing Country:	USA
Mailing Phone:	9143381887

NY MANIFEST:

Document ID:	NJA3182483
Manifest Status:	Not reported
seq:	01
Year:	2001
Trans1 State ID:	08464
Trans2 State ID:	Not reported
Generator Ship Date:	04/24/2001
Trans1 Recv Date:	04/24/2001
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	04/27/2001
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD986964013

TONY MINERVINI AUTO BODY (Continued) **1004757923**

Trans1 EPA ID:	ARD069748192
Trans2 EPA ID:	Not reported
TSDF ID 1:	NJD002454544
TSDF ID 2:	Not reported
Manifest Tracking Number:	Not reported
Import Indicator:	Not reported
Export Indicator:	Not reported
Discr Quantity Indicator:	Not reported
Discr Type Indicator:	Not reported
Discr Residue Indicator:	Not reported
Discr Partial Reject Indicator:	Not reported
Discr Full Reject Indicator:	Not reported
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	Not reported
Waste Code:	F003 - UNKNOWN
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	00055
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	01.00

Click this hyperlink while viewing on your computer to access
10 additional NY_MANIFEST: record(s) in the EDR Site Report.

F17 **SIDEWALK** **NY Spills** **S102104401**
SSE **580 BROADWAY** **N/A**
< 1/8 **KINGSTON, NY**
0.097 mi.
511 ft. **Site 1 of 4 in cluster F**

Relative:
Higher

Actual:
184 ft.

SPILLS:

Facility ID:	9112284
Facility Type:	ER
DER Facility ID:	238976
Site ID:	295316
DEC Region:	3
Spill Date:	1992-03-02
Spill Number/Closed Date:	9112284 / 1992-03-04
Spill Cause:	Equipment Failure
Spill Class:	Not reported
SWIS:	5630
Investigator:	DVWEHRFR
Referred To:	Not reported
Reported to Dept:	1992-03-02
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Tank Truck
Spill Notifier:	Responsible Party
Cleanup Ceased:	1953-06-18

SIDEWALK (Continued) **S102104401**

Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	Not reported
Spill Record Last Update:	2003-12-02
Spiller Name:	Not reported
Spiller Company:	BERARDI FUELS
Spiller Address:	867 FLATBUSH ROAD
Spiller City,St,Zip:	KINGSTON, ZZ
Spiller Company:	001
Contact Name:	Not reported
Contact Phone:	Not reported
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was WEHRFRITZ "
Remarks:	"HYDRAULIC PUMP MALFUNCTIONED ON TRUCK SPILL ON PAVEMENT FD ON SCENE CLEANED UP WITH SPEEDI-DRY"

Material:

Site ID:	295316
Operable Unit ID:	965895
Operable Unit:	01
Material ID:	559099
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	Not reported
Recovered:	.00
Resource Affected:	Not reported
Oxygenate:	Not reported

Tank Test:

F18 **ELLSWORTH JOHN H AUTOMOTIVE** **EDR Hist Auto** **1021438884**
SSE **575 BROADWAY** **N/A**
< 1/8 **KINGSTON, NY 12401**
0.106 mi.
558 ft. **Site 2 of 4 in cluster F**

Relative: EDR Hist Auto
Higher

Year:	Name:	Type:
Actual: 1989	ELLSWORTH JOHN H AUTOMOTIVE	General Automotive Repair Shops

183 ft.

F19 **STEFANOWITZ GARAGE** **NY Spills** **S104645752**
SSE **571-577 BROADWAY** **N/A**
< 1/8 **KINGSTON, NY**
0.108 mi.
569 ft. **Site 3 of 4 in cluster F**

Relative:
Higher

Actual:
183 ft.

SPILLS:

Facility ID:	9614340
Facility Type:	ER
DER Facility ID:	118630
Site ID:	138758
DEC Region:	3
Spill Date:	1997-03-11
Spill Number/Closed Date:	9614340 / 2010-03-24
Spill Cause:	Housekeeping
Spill Class:	Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	5630
Investigator:	WXWADSWO
Referred To:	Not reported
Reported to Dept:	1997-03-11
CID:	266
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	1997-03-11
Spill Record Last Update:	2010-03-24
Spiller Name:	Not reported
Spiller Company:	JIM STEFANOWITZ
Spiller Address:	571-577 BROADWAY
Spiller City,St,Zip:	KINGSTON, NY 12401-
Spiller Company:	001
Contact Name:	Not reported
Contact Phone:	Not reported
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was WADSWORTH 3/24/2010 - No further complaints or information in 14 years. Likely surficial soils impacted and remedied. nfa ELM "
Remarks:	"FORMER RADIATOR REPAIR SHOP. HAS BEEN VACANT FOR ABOUT 15 YEARS. SOIL CONTAMINATION FOUND DURING SITE ASSESSMENT. SOIL BEING STOCKPILED AS NECESSARY."

Material:

Site ID:	138758
Operable Unit ID:	1045772
Operable Unit:	01
Material ID:	339446
Material Code:	0009
Material Name:	gasoline
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	Gallons
Recovered:	.00
Resource Affected:	Not reported

STEFANOWITZ GARAGE (Continued) **S104645752**

Oxygenate: Not reported

Tank Test:

F20 **GUARANTEE AUTO RADIATOR WORKS** **EDR Hist Auto** **1020903161**
SSE **571-575 BROADWAY** **N/A**
< 1/8 **KINGSTON, NY 12401**
0.108 mi.
569 ft. **Site 4 of 4 in cluster F**

Relative: EDR Hist Auto
Higher

Actual: **183 ft.**

Year:	Name:	Type:
1969	GUARANTEE AUTO RADIATOR WORKS	Automotive Repair Shops, NEC
1970	GUARANTEE AUTO RADIATOR WORKS	Automotive Repair Shops, NEC
1971	GUARANTEE AUTO RADIATOR WORKS	Automotive Repair Shops, NEC
1972	GUARANTEE AUTO RADIATOR WORKS	Automotive Repair Shops, NEC
1973	GUARANTEE AUTO RADIATOR WORKS	Automotive Repair Shops, NEC
1974	GUARANTEE AUTO RADIATOR WORKS	Automotive Repair Shops, NEC
1975	GUARANTEE AUTO RADIACTOR WORKS	Not reported
1976	GUARANTEE AUTO RADIATOR WORKS	Not reported
1977	GUARANTEE AUTO RADIATOR WORKS	Not reported
1978	GUARANTEE AUTO RADIATOR WORKS	Not reported
1979	GUARANTEE AUTO RADIATOR WORKS	Not reported
1980	GUARANTEE AUTO RADIATOR WORKS	Automotive Repair Shops, NEC
1982	GUARANTEE AUTO RADIATOR WORKS	Automotive Repair Shops, NEC
1983	GUARANTEE AUTO RADIATOR WORKS	Automotive Repair Shops, NEC
1985	GUARANTEE AUTO RADIATOR WORKS	Automotive Repair Shops, NEC
1986	GUARANTEE AUTO RADIATOR WORKS	Automotive Repair Shops, NEC
1987	GUARANTEE AUTO RADIATOR WORKS	Automotive Repair Shops, NEC
1988	GUARANTEE AUTO RADIATOR WORKS	Automotive Repair Shops, NEC
1989	GUARANTEE AUTO RADIATOR WORKS	Powertrain Components Repair Services

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G21 **THOMPSON HARVEY L** **EDR Hist Auto** **1020888419**
WSW **625 BROADWAY** **N/A**
< 1/8 **KINGSTON, NY 12401**
0.109 mi.
573 ft. **Site 1 of 4 in cluster G**

Relative: EDR Hist Auto
Lower

Actual: **180 ft.**

Year:	Name:	Type:
1969	THOMPSON HARVEY L	Gasoline Service Stations
1970	THOMPSON HARVEY L	Gasoline Service Stations
1971	THOMPSON HARVEY L	Gasoline Service Stations
1972	THOMPSON HARVEY L	Gasoline Service Stations

G22 **AMERICAN CLEANERS & DYERS CO** **EDR Hist Cleaner** **1019927394**
WSW **625 BROADWAY** **N/A**
< 1/8 **KINGSTON, NY 12401**
0.109 mi.
573 ft. **Site 2 of 4 in cluster G**

Relative: EDR Hist Cleaner
Lower

Year:	Name:	Type:
Actual: 1971	AMERICAN CLEANERS & DYERS CO	Drycleaning Plants, Except Rugs
180 ft. 1972	AMERICAN CLEANERS & DYERS CO	Drycleaning Plants, Except Rugs
1973	AMERICAN CLEANERS & DYERS CO	Drycleaning Plants, Except Rugs
1974	AMERICAN CLEANERS & DYERS CO	Drycleaning Plants, Except Rugs
1975	AMERICAN CLEANERS & DYERS CO	Drycleaning Plants, Except Rugs
1976	AMERICAN CLEANERS & DYERS CO	Drycleaning Plants, Except Rugs
1977	AMERICAN CLEANERS & DYERS CO	Drycleaning Plants, Except Rugs
1978	AMERICAN CLEANERS & DYERS CO	Drycleaning Plants, Except Rugs
1979	AMERICAN CLEANERS & DYERS CO	Drycleaning Plants, Except Rugs
1980	AMERICAN CLEANERS & DYERS CO	Drycleaning Plants, Except Rugs

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G23 **BOB PERRYS SERVICE STATION** **NY LTANKS** **S110769436**
WSW **625 BROADWAY** **NY Spills** **N/A**
< 1/8 **KINGSTON, NY 12401**
0.109 mi.
573 ft. **Site 3 of 4 in cluster G**

Relative: LTANKS:
Lower

Actual: Site ID:	194781
180 ft. Spill Number/Closed Date:	9002591 / 1990-10-10
Spill Date:	1990-06-06
Spill Cause:	Tank Failure
Spill Source:	Gasoline Station or other PBS Facility
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased:	1990-06-18
Cleanup Meets Standard:	True
SWIS:	5630
Investigator:	DUNN
Referred To:	Not reported
Reported to Dept:	1990-06-06
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Responsible Party
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	True
Remediation Phase:	0
Date Entered In Computer:	1990-06-08
Spill Record Last Update:	1990-10-12
Spiller Name:	Not reported
Spiller Company:	Not reported
Spiller Address:	Not reported
Spiller City,St,Zip:	***Update***, ZZ
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	3
DER Facility ID:	162299
DEC Memo:	""

BOB PERRYS SERVICE STATION (Continued) **S110769436**

Remarks: "WHILE EXCAVATING KNOWN TANKS ENCOUNTERED THREE ADDITIONAL TANKS WITH SOME CONTAMINATED SOIL AROUND THEM"

Material:

Site ID:	194781
Operable Unit ID:	940604
Operable Unit:	01
Material ID:	437333
Material Code:	0009
Material Name:	gasoline
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	Not reported
Recovered:	.00
Resource Affected:	Not reported
Oxygenate:	Not reported

Tank Test:

SPILLS:

Facility ID:	1012903
Facility Type:	ER
DER Facility ID:	351610
Site ID:	447202
DEC Region:	3
Spill Date:	2011-03-28
Spill Number/Closed Date:	1012903 / 2017-02-17
Spill Cause:	Unknown
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	5608
Investigator:	GHPRATT
Referred To:	Not reported
Reported to Dept:	2011-03-28
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Gasoline Station or other PBS Facility
Spill Notifier:	DEC
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	Not reported
Remediation Phase:	0
Date Entered In Computer:	2011-03-28
Spill Record Last Update:	2017-02-17
Spiller Name:	kamran khan
Spiller Company:	Cheekam King, LLC
Spiller Address:	5 olven lane
Spiller City,St,Zip:	new paltz, NY 12561
Spiller Company:	999
Contact Name:	KAMRAN KHAN
Contact Phone:	(845) 797-2200
DEC Memo:	"3-28-11 Closed out former Hess Spill # 96-09505 based on their

BOB PERRYS SERVICE STATION (Continued) **S110769436**

	conpletion of cleanup of this site. jm 7-25-16 Reviewed file and determined that this spill number would be closed out. This is based on old info when this was former Hess station 96-09505. NFA jm 2-17-17 Spill Closed GHP"
Remarks:	"Former Hess station where they completed cleanup. The current owner is responsible at this time for sampling/monitoring/remediation."

Material:

Site ID:	447202
Operable Unit ID:	1197332
Operable Unit:	01
Material ID:	2193618
Material Code:	0009
Material Name:	gasoline
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	Not reported
Units:	Gallons
Recovered:	.00
Resource Affected:	Not reported
Oxygenate:	Not reported

Tank Test:

Facility ID:	0890748
Facility Type:	ER
DER Facility ID:	351610
Site ID:	402404
DEC Region:	3
Spill Date:	2008-08-07
Spill Number/Closed Date:	0890748 / 2009-01-30
Spill Cause:	Housekeeping
Spill Class:	Possible release with minimal potential for fire or hazard or Known release with no damage. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	5608
Investigator:	jpcummin
Referred To:	Not reported
Reported to Dept:	2008-08-07
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	DEC
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	Not reported
Remediation Phase:	0
Date Entered In Computer:	2008-08-07
Spill Record Last Update:	2009-01-30
Spiller Name:	Not reported
Spiller Company:	Not reported
Spiller Address:	Not reported
Spiller City,St,Zip:	Not reported
Spiller Company:	Not reported

BOB PERRYS SERVICE STATION (Continued) **S110769436**

Contact Name:	CHEEKAM KING
Contact Phone:	(845) 338-2895
DEC Memo:	"PBS to followup. 1/30/09 Pictures received from Steve Kalka showing buckets and sumps taken care of. jc"
Remarks:	"Spill discovered during inspection. Some product in fill bucket at super tank. Also water with sheen in direct fill sumps."

Material:

Site ID:	402404
Operable Unit ID:	1159163
Operable Unit:	01
Material ID:	2150274
Material Code:	0009
Material Name:	gasoline
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	Not reported
Units:	Not reported
Recovered:	Not reported
Resource Affected:	Not reported
Oxygenate:	Not reported

Tank Test:

Facility ID:	9609505
Facility Type:	ER
DER Facility ID:	162299
Site ID:	194783
DEC Region:	3
Spill Date:	1996-10-29
Spill Number/Closed Date:	9609505 / 2011-03-28
Spill Cause:	Unknown
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	5630
Investigator:	JYMCCART
Referred To:	Not reported
Reported to Dept:	1996-10-29
CID:	233
Water Affected:	Not reported
Spill Source:	Gasoline Station or other PBS Facility
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	1996-10-29
Spill Record Last Update:	2011-08-02
Spiller Name:	KEVIN MCGUINNESS
Spiller Company:	HESS STATION # 32427
Spiller Address:	625 BROADWAY
Spiller City,St,Zip:	KINGSTON, NY 12401-
Spiller Company:	001
Contact Name:	KEVIN MCGUINNESS

BOB PERRYS SERVICE STATION (Continued) **S110769436**

Contact Phone:	(908) 750-7168
DEC Memo:	"10/5/2009 -- Spoke to Hess and EnviroTrac. The system was shut down in April 2009. August sampling shows some sort of increase in Xylenes in one well. Will resample one well in October to confirm the hit. Report may be late October, to confirm or deny the hit. ELM 12-20-10 Spoke with Ed Russo and Dan Ruffini of Envirotrac regarding closure of this site. In the beginning of December I sent a letter (edoc'd) to current owner informing them that Hess is no longer being required to perform any work at this site and they will need to investigate MW2 and sample quarterly for 1 year. jm 3-28-11 This spill number is being closed out based on the cleanup performed and completed by Hess. A new spill number will be opened for this address naming the current owner as the Rp for this site. jm New spill number for this site is 10-12903 jm"
Remarks:	"test results returned today contaimination to soil "

Material:

Site ID:	194783
Operable Unit ID:	1040979
Operable Unit:	01
Material ID:	345228
Material Code:	0009
Material Name:	gasoline
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	Gallons
Recovered:	.00
Resource Affected:	Not reported
Oxygenate:	Not reported

Tank Test:

Facility ID:	9400488
Facility Type:	ER
DER Facility ID:	162299
Site ID:	194782
DEC Region:	3
Spill Date:	1994-04-11
Spill Number/Closed Date:	9400488 / 1995-01-10
Spill Cause:	Traffic Accident
Spill Class:	Possible release with minimal potential for fire or hazard or Known release with no damage. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	5630
Investigator:	RICCI
Referred To:	Not reported
Reported to Dept:	1994-04-11
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Gasoline Station or other PBS Facility
Spill Notifier:	Affected Persons
Cleanup Ceased:	1995-01-10
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False

BOB PERRYS SERVICE STATION (Continued) **S110769436**

UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	1994-04-13
Spill Record Last Update:	1995-01-10
Spiller Name:	Not reported
Spiller Company:	Not reported
Spiller Address:	Not reported
Spiller City,St,Zip:	***Update***, ZZ
Spiller Company:	001
Contact Name:	Not reported
Contact Phone:	Not reported
DEC Memo:	""
Remarks:	"CUSTOMER WAS MOVING AND HIT DISPENSER KINGSTON FIRE & POLICE ON SITE CLEANED UP WITH SPEEDI-DRI WASHED DOWN BY FIRE DEPT. S/S SHUT DOWN AND LINES TO BE TESTED"

Material:

Site ID:	194782
Operable Unit ID:	997988
Operable Unit:	01
Material ID:	387801
Material Code:	0009
Material Name:	gasoline
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	1.00
Units:	Gallons
Recovered:	.00
Resource Affected:	Not reported
Oxygenate:	Not reported

Tank Test:

G24 **AMERADA HESS CORP** **RCRA NonGen / NLR** **1000446714**
WSW **625 BROADWAY** **ICIS** **NYD986905255**
< 1/8 **KINGSTON, NY 12401** **FINDS**
0.109 mi. **ECHO**
573 ft. **Site 4 of 4 in cluster G** **NY MANIFEST**

Relative:
Lower

Actual:
180 ft.

RCRA NonGen / NLR:

Date form received by agency:	01/01/2007
Facility name:	AMERADA HESS CORP
Facility address:	625 BROADWAY KINGSTON, NY 12401
EPA ID:	NYD986905255
Mailing address:	HESS PLZ TERMINAL OPS WOODBRIDGE, NY 07095
Contact:	Not reported
Contact address:	HESS PLZ TERMINAL OPS WOODBRIDGE, NY 07095
Contact country:	US
Contact telephone:	Not reported
Contact email:	Not reported
EPA Region:	02
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

AMERADA HESS CORP (Continued) **1000446714**

Owner/Operator Summary:
Owner/operator name: AMERADA HESS CORP
Owner/operator address: NOT REQUIRED
NOT REQUIRED, WY 99999
Owner/operator country: US
Owner/operator telephone: 212-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: AMERADA HESS CORP
Owner/operator address: NOT REQUIRED
NOT REQUIRED, WY 99999
Owner/operator country: US
Owner/operator telephone: 212-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Site name: AMERADA HESS CORP
Classification: Not a generator, verified

Date form received by agency: 01/28/1998
Site name: AMERADA HESS CORP
Classification: Not a generator, verified

Date form received by agency: 06/29/1990
Site name: AMERADA HESS CORP
Classification: Large Quantity Generator

AMERADA HESS CORP (Continued) **1000446714**

. Waste code: D000
. Waste name: Not Defined

. Waste code: D001
. Waste name: IGNITABLE WASTE

Violation Status: No violations found

ICIS:
Enforcement Action ID: 02-2002-7912
FRS ID: 110029056606
Action Name: BOB PERRY'S MOBIL
Facility Name: AMERADA HESS CORP
Facility Address: 625 BROADWAY
KINGSTON, NY 12401
Enforcement Action Type: RCRA 9006 Field Citation (UST)
Facility County: ULSTER
Program System Acronym: ICIS
Enforcement Action Forum Desc: Administrative - Formal
EA Type Code: 9006FC
Facility SIC Code: 5541
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 41.9298
Longitude in Decimal Degrees: -74.005203
Permit Type Desc: Not reported
Program System Acronym: 25450
Facility NAICS Code: Not reported
Tribal Land Code: Not reported

Facility Name: AMERADA HESS CORP
Address: 625 BROADWAY
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 5541

Facility Name: AMERADA HESS CORP
Address: 625 BROADWAY
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 5541

FINDS:

Registry ID: 110029056606

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

ICIS (Integrated Compliance Information System) is the Integrated

AMERADA HESS CORP (Continued) **1000446714**

Compliance Information System and provides a database that, when complete, will contain integrated Enforcement and Compliance information across most of EPA's programs. The vision for ICIS is to replace EPA's independent databases that contain Enforcement data with a single repository for that information. Currently, ICIS contains all Federal Administrative and Judicial enforcement actions. This information is maintained in ICIS by EPA in the Regional offices and it Headquarters. A future release of ICIS will replace the Permit Compliance System (PCS) which supports the NPDES and will integrate that information with Federal actions already in the system. ICIS also has the capability to track other activities occurring in the Region that support Compliance and Enforcement programs. These include; Incident Tracking, Compliance Assistance, and Compliance Monitoring.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1000446714
Registry ID:	110029056606
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110029056606

NY MANIFEST:

Country:	USA
EPA ID:	NYD986905255
Facility Status:	Not reported
Location Address 1:	#32429 625 BROADWAY & HENRY
Code:	BP
Location Address 2:	Not reported
Total Tanks:	Not reported
Location City:	KINGSTON
Location State:	NY
Location Zip:	12401
Location Zip 4:	Not reported

NY MANIFEST:

EPAID:	NYD986905255
Mailing Name:	AMERADA HESS
Mailing Contact:	MICHAEL ROWEN
Mailing Address 1:	1 HESS PLAZAWB-6
Mailing Address 2:	Not reported
Mailing City:	WOODBRIDGE
Mailing State:	NJ
Mailing Zip:	07095
Mailing Zip 4:	Not reported
Mailing Country:	USA
Mailing Phone:	9087506000

NY MANIFEST:

Document ID:	NJA2195049
Manifest Status:	C
seq:	Not reported
Year:	1995
Trans1 State ID:	06815
Trans2 State ID:	Not reported

AMERADA HESS CORP (Continued) **1000446714**

Generator Ship Date:	10/18/1995
Trans1 Recv Date:	10/18/1995
Trans2 Recv Date:	/ /
TSD Site Recv Date:	10/20/1995
Part A Recv Date:	11/06/1995
Part B Recv Date:	11/06/1995
Generator EPA ID:	NYD986905255
Trans1 EPA ID:	PAD014146179
Trans2 EPA ID:	Not reported
TSDF ID 1:	NJD002200046
TSDF ID 2:	Not reported
Manifest Tracking Number:	Not reported
Import Indicator:	Not reported
Export Indicator:	Not reported
Discr Quantity Indicator:	Not reported
Discr Type Indicator:	Not reported
Discr Residue Indicator:	Not reported
Discr Partial Reject Indicator:	Not reported
Discr Full Reject Indicator:	Not reported
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	Not reported
Waste Code:	D018 - BENZENE 0.5 MG/L TCLP
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	00030
Units:	P - Pounds
Number of Containers:	001
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100

Click this hyperlink while viewing on your computer to access
1 additional NY_MANIFEST: record(s) in the EDR Site Report.

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25 **SPILL NUMBER 9801863** **NY Spills** **S104646940**
WSW **635 BROADWAY** **N/A**
< 1/8 **KINGSTON, NY**
0.121 mi.
640 ft.

Relative:
Lower

Actual:
179 ft.

SPILLS:

Facility ID:	9801863
Facility Type:	ER
DER Facility ID:	152619
Site ID:	182035
DEC Region:	3
Spill Date:	1998-05-12
Spill Number/Closed Date:	9801863 / 1998-07-14
Spill Cause:	Equipment Failure
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	5630

SPILL NUMBER 9801863 (Continued) **S104646940**

Investigator:	RICCI
Referred To:	Not reported
Reported to Dept:	1998-05-12
CID:	207
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Responsible Party
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	1998-05-12
Spill Record Last Update:	1998-07-22
Spiller Name:	ALBERT TEETSEL
Spiller Company:	FLEET BANK
Spiller Address:	635 BROADWAY
Spiller City,St,Zip:	KINGSTON, NY
Spiller Company:	001
Contact Name:	ALBERT TEETSEL
Contact Phone:	(518) 447-4285
DEC Memo:	""
Remarks:	"discovered while closing underground tank"

Material:

Site ID:	182035
Operable Unit ID:	1059760
Operable Unit:	01
Material ID:	323774
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	Gallons
Recovered:	.00
Resource Affected:	Not reported
Oxygenate:	Not reported

Tank Test:

H26 **BEAVER INDUSTRIES** **NY Spills** **S102107045**
WNW **26 DOWN STREET** **N/A**
< 1/8 **KINGSTON, NY**
0.123 mi.
648 ft. **Site 1 of 2 in cluster H**

Relative:
Lower

Actual:
179 ft.

SPILLS:

Facility ID:	8901299
Facility Type:	ER
DER Facility ID:	162197
Site ID:	194644
DEC Region:	3
Spill Date:	1989-05-10
Spill Number/Closed Date:	8901299 / 1989-08-09
Spill Cause:	Abandoned Drums

BEAVER INDUSTRIES (Continued) **S102107045**

Spill Class:	Not reported
SWIS:	5630
Investigator:	dvwehrfr
Referred To:	Not reported
Reported to Dept:	1989-05-10
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Fire Department
Cleanup Ceased:	1989-08-09
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	1989-05-18
Spill Record Last Update:	1989-08-09
Spiller Name:	Not reported
Spiller Company:	Not reported
Spiller Address:	Not reported
Spiller City,St,Zip:	***Update***, ZZ
Spiller Company:	001
Contact Name:	Not reported
Contact Phone:	Not reported
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was D. WEHRFRITZ 11/29/95: This is additional information about material spilled from the translation of the old spill file: DRUMS/BARRELS."
Remarks:	"NUMERSOU DRUMS/BARRELS CONTAINING HAZARDOUS MATERIAL FOUND BY F.D. IN WAREHOUSE. DRUMS IN POOR CONDITION AND ARE WET FROM SEEPAGE. DRUMS ORIGINATED IN CONNECTICUT. DRUMS HAVE BEEN ON SITE FOR 6MNTHS"

Material:

Site ID:	194644
Operable Unit ID:	928303
Operable Unit:	01
Material ID:	449051
Material Code:	0066A
Material Name:	unknown petroleum
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	Gallons
Recovered:	.00
Resource Affected:	Not reported
Oxygenate:	Not reported

Tank Test:

H27 **STAVO INDUSTRIES INC** **RCRA NonGen / NLR** **1000433423**
WNW **26 DOWN ST** **ICIS** **NYD982738403**
< 1/8 **KINGSTON, NY 12401** **FINDS**
0.123 mi. **ECHO**
648 ft. **Site 2 of 2 in cluster H** **NY MANIFEST**

Relative:
Lower

Actual:
179 ft.

RCRA NonGen / NLR:

Date form received by agency:	01/01/2007
Facility name:	STAVO INDUSTRIES INC
Facility address:	26 DOWN ST KINGSTON, NY 12401-3502
EPA ID:	NYD982738403
Mailing address:	PO BOX 3449 KINGSTON, NY 12401
Contact:	Not reported
Contact address:	PO BOX 3449 KINGSTON, NY 12401
Contact country:	US
Contact telephone:	Not reported
Contact email:	Not reported
EPA Region:	02
Land type:	Facility is not located on Indian land. Additional information is not known.
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	UNKNOWN
Owner/operator address:	NOT REQUIRED NOT REQUIRED, WY 99999
Owner/operator country:	US
Owner/operator telephone:	212-555-1212
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	UNKNOWN
Owner/operator address:	NOT REQUIRED NOT REQUIRED, WY 99999
Owner/operator country:	US
Owner/operator telephone:	212-555-1212
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No

STAVO INDUSTRIES INC (Continued) **1000433423**

Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Site name: STAVO INDUSTRIES INC
Classification: Not a generator, verified

Date form received by agency: 07/08/1999
Site name: STAVO INDUSTRIES INC
Classification: Not a generator, verified

Date form received by agency: 07/13/1989
Site name: STAVO INDUSTRIES INC
Classification: Small Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D003
. Waste name: REACTIVE WASTE

. Waste code: X001
. Waste name: WASTE OILS

. Waste code: X002
. Waste name: POLYCHLORINATED BIPHENOLS (PCBs)

. Waste code: X003
. Waste name: OTHER STATE REGULATED WASTES [i.e., DIESEL FUEL, GASOLINE AND HOME HEATING OIL]

Facility Has Received Notices of Violations:
Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 08/21/1989
Date achieved compliance: 09/29/1992
Violation lead agency: State
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 09/24/1991
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: 7500

STAVO INDUSTRIES INC (Continued) **1000433423**

Paid penalty amount: 7500

Evaluation Action Summary:
Evaluation date: 09/16/1992
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 07/05/1989
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 09/29/1992
Evaluation lead agency: State

ICIS:
Enforcement Action ID: 02-1994-0208
FRS ID: 110004430866
Action Name: STAVO INDUSTRIES, INC.
Facility Name: STAVO INDUSTRIES INC
Facility Address: 26 DOWN ST
KINGSTON, NY 124013502
Enforcement Action Type: CWA 309G2A AO For Class I Penalties
Facility County: ULSTER
Program System Acronym: ICIS
Enforcement Action Forum Desc: Administrative - Formal
EA Type Code: 309G2A
Facility SIC Code: Not reported
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 41.931214
Longitude in Decimal Degrees: -74.006406
Permit Type Desc: Not reported
Program System Acronym: 13936
Facility NAICS Code: Not reported
Tribal Land Code: Not reported

Facility Name: STAVO INDUSTRIES INC
Address: 26 DOWN ST
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: Not reported

Facility Name: STAVO INDUSTRIES INC
Address: 26 DOWN ST
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: Not reported

FINDS:

Registry ID: 110004430866

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource

STAVO INDUSTRIES INC (Continued) **1000433423**

Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

ICIS (Integrated Compliance Information System) is the Integrated Compliance Information System and provides a database that, when complete, will contain integrated Enforcement and Compliance information across most of EPA's programs. The vision for ICIS is to replace EPA's independent databases that contain Enforcement data with a single repository for that information. Currently, ICIS contains all Federal Administrative and Judicial enforcement actions. This information is maintained in ICIS by EPA in the Regional offices and it Headquarters. A future release of ICIS will replace the Permit Compliance System (PCS) which supports the NPDES and will integrate that information with Federal actions already in the system. ICIS also has the capability to track other activities occurring in the Region that support Compliance and Enforcement programs. These include; Incident Tracking, Compliance Assistance, and Compliance Monitoring.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1000433423
Registry ID:	110004430866
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110004430866

NY MANIFEST:

Country:	USA
EPA ID:	NYD982738403
Facility Status:	Not reported
Location Address 1:	(No street address in conversion)
Code:	BP
Location Address 2:	Not reported
Total Tanks:	Not reported
Location City:	KINGSTON
Location State:	NY
Location Zip:	12401
Location Zip 4:	Not reported

NY MANIFEST:

EPAID:	NYD982738403
Mailing Name:	STAVO INDUSTRIES
Mailing Contact:	STAVO INDUSTRIES
Mailing Address 1:	P.O. BOX 3449
Mailing Address 2:	Not reported
Mailing City:	KINGSTON
Mailing State:	NY
Mailing Zip:	12401
Mailing Zip 4:	Not reported
Mailing Country:	USA
Mailing Phone:	9143380466

STAVO INDUSTRIES INC (Continued) **1000433423**

NY MANIFEST:

Document ID:	MAC4130790
Manifest Status:	C
seq:	Not reported
Year:	1989
Trans1 State ID:	654975MA
Trans2 State ID:	Not reported
Generator Ship Date:	10/31/1989
Trans1 Recv Date:	10/31/1989
Trans2 Recv Date:	/ /
TSD Site Recv Date:	10/31/1989
Part A Recv Date:	11/20/1989
Part B Recv Date:	11/15/1989
Generator EPA ID:	NYD982738403
Trans1 EPA ID:	MAD039322250
Trans2 EPA ID:	Not reported
TSDF ID 1:	MAD053452637
TSDF ID 2:	Not reported
Manifest Tracking Number:	Not reported
Import Indicator:	Not reported
Export Indicator:	Not reported
Discr Quantity Indicator:	Not reported
Discr Type Indicator:	Not reported
Discr Residue Indicator:	Not reported
Discr Partial Reject Indicator:	Not reported
Discr Full Reject Indicator:	Not reported
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	Not reported
Waste Code:	B001 - PCB OIL (CONC) FROM TRANS, CAP, ETC
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	00429
Units:	P - Pounds
Number of Containers:	002
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	00094
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	L Landfill.
Specific Gravity:	100

Click this hyperlink while viewing on your computer to access
2 additional NY_MANIFEST: record(s) in the EDR Site Report.

28
SE
1/8-1/4
0.127 mi.
669 ft.

UNIROYAL TIRES
15 RAILROAD AVE.
KINGSTON, NY

NY Spills **S102962362**
N/A

Relative:
Higher

Actual:
188 ft.

SPILLS:

Facility ID:	9710418
Facility Type:	ER
DER Facility ID:	111520
Site ID:	129362
DEC Region:	3
Spill Date:	1997-12-11
Spill Number/Closed Date:	9710418 / 1998-02-26
Spill Cause:	Traffic Accident
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	5600
Investigator:	RICCI
Referred To:	Not reported
Reported to Dept:	1997-12-11
CID:	257
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	1997-12-11
Spill Record Last Update:	1998-03-10
Spiller Name:	Not reported
Spiller Company:	UNKNOWN
Spiller Address:	Not reported
Spiller City,St,Zip:	NY
Spiller Company:	999
Contact Name:	MIKE BERARDI
Contact Phone:	(914) 336-6066
DEC Memo:	""
Remarks:	"TRUCK HIT FILL PIPE CAUSING TANK TO SPILL OIL GOING INTO BASEMENT AND SEWER FIRE DEPT ON THE WAY AND OIL COMPANY SENT A CREW ALSO"

Material:

Site ID:	129362
Operable Unit ID:	1053454
Operable Unit:	01
Material ID:	328715
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	Gallons
Recovered:	.00
Resource Affected:	Not reported
Oxygenate:	Not reported

UNIROYAL TIRES (Continued) **S102962362**

Tank Test:

Facility ID:	9402901
Facility Type:	ER
DER Facility ID:	262749
Site ID:	326167
DEC Region:	3
Spill Date:	1994-05-28
Spill Number/Closed Date:	9402901 / 1994-06-03
Spill Cause:	Housekeeping
Spill Class:	Possible release with minimal potential for fire or hazard or Known release with no damage. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	5630
Investigator:	RICCI
Referred To:	Not reported
Reported to Dept:	1994-05-28
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Citizen
Cleanup Ceased:	1994-06-03
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	Not reported
Spill Record Last Update:	2003-12-02
Spiller Name:	Not reported
Spiller Company:	SAME
Spiller Address:	Not reported
Spiller City,St,Zip:	NY
Spiller Company:	999
Contact Name:	Not reported
Contact Phone:	Not reported
DEC Memo:	""
Remarks:	"UNIROYAL TIRES HOSED DOWN OUTSIDE OF TRUCK WASHING INTO STREET SMALL AMOUNT OF GREASE KINGSTON P.D. TO INVESTIGATE FOUND NOTHING IN STREET OR SEWER"

Material:

Site ID:	326167
Operable Unit ID:	999934
Operable Unit:	01
Material ID:	383077
Material Code:	0066A
Material Name:	unknown petroleum
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	Not reported
Recovered:	.00
Resource Affected:	Not reported
Oxygenate:	Not reported

UNIROYAL TIRES (Continued) **S102962362**

Tank Test:

29
ESE
1/8-1/4
0.129 mi.
681 ft.

Relative:
Higher

Actual:
188 ft.

FAMILY OF WOODSTOCK, INC. **NY UST** **U003790910**
40 THOMAS STREET **N/A**
KINGSTON, NY 12401

UST:

Id/Status:	3-601472 / Unregulated/Closed
Program Type:	PBS
Region:	STATE
DEC Region:	3
Expiration Date:	N/A
UTM X:	582766.10845
UTM Y:	4642476.18019
Site Type:	Other

Affiliation Records:

Site Id:	34580
Affiliation Type:	Mail Contact
Company Name:	FAMILY OF WOODSTOCK, INC.
Contact Type:	Not reported
Contact Name:	MICHAEL BERG
Address1:	PO BOX 3516
Address2:	Not reported
City:	KINGSTON
State:	NY
Zip Code:	12402
Country Code:	001
Phone:	(845) 331-7080
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	2004-03-04

Site Id:	34580
Affiliation Type:	Facility Operator
Company Name:	FAMILY OF WOODSTOCK, INC.
Contact Type:	Not reported
Contact Name:	MICHAEL BERG
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(845) 331-7080
EMail:	Not reported
Fax Number:	Not reported
Modified By:	BHYUKOWE
Date Last Modified:	2007-12-10

Site Id:	34580
Affiliation Type:	Emergency Contact
Company Name:	FAMILY OF WOODSTOCK, INC.
Contact Type:	Not reported

FAMILY OF WOODSTOCK, INC. (Continued) **U003790910**

Contact Name:	MICHAEL BERG
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(845) 331-7080
EMail:	Not reported
Fax Number:	Not reported
Modified By:	BHYUKOWE
Date Last Modified:	2007-12-10

Site Id:	34580
Affiliation Type:	Facility Owner
Company Name:	FAMILY OF WOODSTOCK, INC.
Contact Type:	ENVIRONMENTAL CONSULTANT
Contact Name:	WILLIAM L. GOING
Address1:	PO BOX 3516
Address2:	Not reported
City:	KINGSTON
State:	NY
Zip Code:	12402
Country Code:	001
Phone:	(845) 331-7080
EMail:	Not reported
Fax Number:	Not reported
Modified By:	BHYUKOWE
Date Last Modified:	2007-12-10

Tank Info:

Tank Number:	1
Tank ID:	82562
Tank Status:	Closed - Removed
Material Name:	Closed - Removed
Capacity Gallons:	1000
Install Date:	Not reported
Date Tank Closed:	10/12/2005
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0022
Common Name of Substance:	Waste Oil/Used Oil

Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	BHYUKOWE
Last Modified:	04/14/2017

Equipment Records:

B00 - Tank External Protection - None
F00 - Pipe External Protection - None
C02 - Pipe Location - Underground/On-ground
G00 - Tank Secondary Containment - None

FAMILY OF WOODSTOCK, INC. (Continued) **U003790910**

A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
H00 - Tank Leak Detection - None
I00 - Overfill - None

I30 **KINGSTON AUTO SUPPLY** **NY Spills** **S102104324**
SSE **561 BROADWAY** **N/A**
1/8-1/4 **KINGSTON, NY**
0.129 mi.
682 ft. **Site 1 of 2 in cluster I**

Relative:
Higher

Actual:
184 ft.

SPILLS:

Facility ID:	9111095
Facility Type:	ER
DER Facility ID:	98630
Site ID:	113007
DEC Region:	3
Spill Date:	1992-01-27
Spill Number/Closed Date:	9111095 / 1992-01-27
Spill Cause:	Equipment Failure
Spill Class:	Possible release with minimal potential for fire or hazard or Known release with no damage. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	5630
Investigator:	DVWEHRFR
Referred To:	Not reported
Reported to Dept:	1992-01-27
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Commercial Vehicle
Spill Notifier:	Fire Department
Cleanup Ceased:	1953-06-18
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	True
Remediation Phase:	0
Date Entered In Computer:	1992-01-28
Spill Record Last Update:	1992-02-11
Spiller Name:	Not reported
Spiller Company:	MR. SZLACHETKA
Spiller Address:	Not reported
Spiller City,St,Zip:	ZZ
Spiller Company:	001
Contact Name:	Not reported
Contact Phone:	Not reported
DEC Memo:	"Administratively closed due to file review and/or information received. If new information arises to contradict this determination DEC reserves the right to reopen this spill without prejudice. Prior to Sept, 2004 data translation this spill Lead_DEC Field was WEHRFRITZ "
Remarks:	"WHILE IN LOT VEHICLE BROKE VALVE ON FUEL TANK BOICEVILLE F.D. ON SCENE PUT DOWN SAWDUST TO CLEAN UP"

Material:

Site ID:	113007
Operable Unit ID:	961228
Operable Unit:	01

KINGSTON AUTO SUPPLY (Continued) **S102104324**

Material ID:	416154
Material Code:	0008
Material Name:	diesel
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	30.00
Units:	Gallons
Recovered:	.00
Resource Affected:	Not reported
Oxygenate:	Not reported

Tank Test:

I31 **DE NARDO DOMINICK** **EDR Hist Auto** **1021794944**
SSE **29 GREENKILL AVE** **N/A**
1/8-1/4 **KINGSTON, NY 12401**
0.134 mi.
707 ft. **Site 2 of 2 in cluster I**

Relative: **Higher**

EDR Hist Auto

Actual: **185 ft.**

Year:	Name:	Type:
1969	DE NARDO DOMINICK	Automotive Repair Shops, NEC
1970	DE NARDO DOMINICK	Automotive Repair Shops, NEC
1971	DE NARDO DOMINICK	Automotive Repair Shops, NEC

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32 **CSX RAILYARD** **NY Spills** **S116155987**
SE **BROADWAY AND RAILROAD AVENUE** **N/A**
1/8-1/4 **KINGSTON, NY**
0.139 mi.
732 ft.

Relative: **Higher**

SPILLS:

Actual: **186 ft.**

Facility ID:	1309818
Facility Type:	ER
DER Facility ID:	445670
Site ID:	490636
DEC Region:	3
Spill Date:	2014-01-09
Spill Number/Closed Date:	1309818 / 2014-01-09
Spill Cause:	Equipment Failure
Spill Class:	Possible release with minimal potential for fire or hazard or Known release with no damage. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	5608
Investigator:	JPCUMMIN
Referred To:	Not reported
Reported to Dept:	2014-01-09
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Railroad Car
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported

CSX RAILYARD (Continued) **S116155987**

Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2014-01-09
Spill Record Last Update:	2014-01-09
Spiller Name:	COLEY CAMPBELL
Spiller Company:	CSX
Spiller Address:	BROADWAY AND RAILROAD AVENUE
Spiller City,St,Zip:	KINGSTON, NY
Spiller Company:	999
Contact Name:	COLEY CAMPBELL
Contact Phone:	(518) 860-7032
DEC Memo:	"1-9-14 Spoke with Coley. Spill from hose to ballast, snow and area around track. EP and S responding for clean-up. Impacted material to be drummed and disposed of. jc"
Remarks:	"Hose burst on piece of rail equipment. Ballast and soil affected. EPNS of Vermont is on scene doing the cleanup."

Material:

Site ID:	490636
Operable Unit ID:	1240193
Operable Unit:	01
Material ID:	2240298
Material Code:	0010
Material Name:	hydraulic oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	20.00
Units:	Gallons
Recovered:	Not reported
Resource Affected:	Not reported
Oxygenate:	Not reported

Tank Test:

33
ESE
1/8-1/4
0.143 mi.
753 ft.

Relative:
Higher

Actual:
189 ft.

MAN HOLE 19527 **NY Spills** **S117362371**
23RD STREET AND 21ST AVENUE **N/A**
QUEENS, NY

SPILLS:

Facility ID:	1405663
Facility Type:	ER
DER Facility ID:	454049
Site ID:	499098
DEC Region:	2
Spill Date:	2014-08-25
Spill Number/Closed Date:	1405663 / 2014-11-25
Spill Cause:	Unknown
Spill Class:	Possible release with minimal potential for fire or hazard or Known release with no damage. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	4101
Investigator:	RWAUSTIN
Referred To:	Not reported
Reported to Dept:	2014-08-25

MAN HOLE 19527 (Continued) **S117362371**

CID:	Not reported
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2014-08-25
Spill Record Last Update:	2014-11-25
Spiller Name:	Not reported
Spiller Company:	CON ED
Spiller Address:	Not reported
Spiller City,St,Zip:	NY
Spiller Company:	999
Contact Name:	ERT
Contact Phone:	(212) 580-8383
DEC Memo:	"08/25/14-Hiralkumar Patel. 2:14 PM:- spoke with ERT. ConEd crew found about 300 gal dielectric fluid on top of about 2,000 gal water. oil/water mix found inside a manhole. crew is pumping mixture out and will investigate the leak. 08/26/14-Hiralkumar Patel. 10:20 AM:- spoke with Dave Duke at ERT. contractor pumped out the structure. ConEd crew found pinhole leak in feeder pipe, inside the manhole. there is no drain or sump in the manhole. leak has been clamped. spill was found during regular inspection of the structure. 11/25/14 - Austin - Con Ed contained and cleaned up the spill - See document files for further information - Spill closed - end"
Remarks:	"spill contained to structure"

Material:

Site ID:	499098
Operable Unit ID:	1248529
Operable Unit:	01
Material ID:	2249987
Material Code:	0541A
Material Name:	dielectric fluid
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	400.00
Units:	Gallons
Recovered:	Not reported
Resource Affected:	Not reported
Oxygenate:	Not reported
Site ID:	499098
Operable Unit ID:	1248529
Operable Unit:	01
Material ID:	2249986
Material Code:	0541A
Material Name:	dielectric fluid
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	400.00
Units:	Gallons
Recovered:	Not reported
Resource Affected:	Not reported
Oxygenate:	Not reported

MAN HOLE 19527 (Continued) **S117362371**

Tank Test:

J34
ENE
1/8-1/4
0.143 mi.
753 ft.

U.S POST OFFICE
90 CORNELL STREET
KINGSTON, NY 12401

NY UST **1000557060**
N/A

Site 1 of 6 in cluster J

Relative:
Higher

Actual:
185 ft.

UST:

Id/Status:	3-448974 / Unregulated/Closed
Program Type:	PBS
Region:	STATE
DEC Region:	3
Expiration Date:	N/A
UTM X:	582741.52349
UTM Y:	4642573.96810
Site Type:	Other

Affiliation Records:

Site Id:	33376
Affiliation Type:	Facility Owner
Company Name:	KINGSTON POSTAL HOLDINGS CO.
Contact Type:	Not reported
Contact Name:	Not reported
Address1:	290 CENTRAL AVE., STE 205
Address2:	Not reported
City:	LAWRENCE
State:	NY
Zip Code:	11559
Country Code:	001
Phone:	(516) 239-5959
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	2004-03-04

Site Id:	33376
Affiliation Type:	Mail Contact
Company Name:	U,S. POSTAL SERVICE
Contact Type:	Not reported
Contact Name:	SHERRY ELKIND
Address1:	90 CORNELL STREET
Address2:	Not reported
City:	KINGSTON
State:	NY
Zip Code:	12401-9998
Country Code:	001
Phone:	(914) 331-5600
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	2004-03-04

Site Id:	33376
Affiliation Type:	Facility Operator
Company Name:	U.S POST OFFICE
Contact Type:	Not reported

U.S POST OFFICE (Continued) **1000557060**

Contact Name:	U.S.POST OFFICE
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(914) 331-5600
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	2004-03-04

Site Id:	33376
Affiliation Type:	Emergency Contact
Company Name:	KINGSTON POSTAL HOLDINGS CO.
Contact Type:	Not reported
Contact Name:	CHANDLER BEAUDETTE
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(914) 331-5600
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	2004-03-04

Tank Info:

Tank Number:	1
Tank ID:	74993
Tank Status:	Closed - Removed
Material Name:	Closed - Removed
Capacity Gallons:	6000
Install Date:	12/01/1967
Date Tank Closed:	Not reported
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)

Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	TRANSLAT
Last Modified:	04/14/2017

Equipment Records:

H00 - Tank Leak Detection - None
B00 - Tank External Protection - None
C00 - Pipe Location - No Piping
D02 - Pipe Type - Galvanized Steel

U.S POST OFFICE (Continued) **1000557060**

F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)
G00 - Tank Secondary Containment - None
J02 - Dispenser - Suction Dispenser
A00 - Tank Internal Protection - None

Tank Number: 2
Tank ID: 74994
Tank Status: Closed - Removed
Material Name: Closed - Removed
Capacity Gallons: 6000
Install Date: 12/01/1967
Date Tank Closed: Not reported
Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 0001
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: TRANSLAT
Last Modified: 04/14/2017

Equipment Records:

G00 - Tank Secondary Containment - None
H00 - Tank Leak Detection - None
D02 - Pipe Type - Galvanized Steel
F00 - Pipe External Protection - None
B00 - Tank External Protection - None
C00 - Pipe Location - No Piping
I04 - Overfill - Product Level Gauge (A/G)
J02 - Dispenser - Suction Dispenser
A00 - Tank Internal Protection - None

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35 **ST MARTINS** **NY LTANKS** **S100139358**
SSW **40 CEDAR VALLEY RD** **N/A**
1/8-1/4 **RED OAKS MILL, NY**
0.144 mi.
760 ft.

Relative:
Lower

Actual:
181 ft.

LTANKS:
Site ID: 152807
Spill Number/Closed Date: 8703565 / 1987-09-25
Spill Date: 1987-07-31
Spill Cause: Tank Test Failure
Spill Source: Institutional, Educational, Gov., Other
Spill Class: Not reported
Cleanup Ceased: 1987-08-20
Cleanup Meets Standard: True
SWIS: 1400
Investigator: jeokesso
Referred To: Not reported
Reported to Dept: 1987-07-31
CID: Not reported

ST MARTINS (Continued) **S100139358**

Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	1987-08-20
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	1987-08-03
Spill Record Last Update:	1987-09-25
Spiller Name:	Not reported
Spiller Company:	ST MARTINS CHURCH
Spiller Address:	SAME
Spiller City,St,Zip:	ZZ
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	3
DER Facility ID:	129706
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was OKESSON / / : 8/20/87-TANK REMOVED.1K TO BE INSTALLED.NFA. "
Remarks:	"TTTF 2K -.730GPH"

Material:

Site ID:	152807
Operable Unit ID:	910201
Operable Unit:	01
Material ID:	469793
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	Not reported
Recovered:	.00
Resource Affected:	Not reported
Oxygenate:	Not reported

Tank Test:

Site ID:	152807
Spill Tank Test:	1531250
Tank Number:	Not reported
Tank Size:	0
Test Method:	00
Leak Rate:	.00
Gross Fail:	Not reported
Modified By:	Spills
Last Modified:	Not reported
Test Method:	Unknown

J36 **GANT SHIRT MAKERS** **NY DRYCLEANERS** **S110246664**
ENE **77 CORNELL STREET** **N/A**
1/8-1/4 **KINGSTON, NY 12401**
0.149 mi.
788 ft. **Site 2 of 6 in cluster J**

Relative:
Higher

Actual:
184 ft.

DRYCLEANERS:

Facility ID:	3-5108-00012
Phone Number:	NOT LISTED
Region:	Not reported
Registration Effective Date:	N/A
Inspection Date:	06AUG2
Install Date:	Not reported
Drop Shop:	Not reported
Shutdown:	Y
Alternate Solvent:	Not reported
Current Business:	Not reported

J37 **Q D P ELECTRONICS ASSEMBLY** **NY LTANKS** **1001128022**
ENE **77 CORNELL ST 2ND FLOOR** **RCRA NonGen / NLR** **NYR000036913**
1/8-1/4 **KINGSTON, NY 12401** **NY MANIFEST**
0.149 mi.
788 ft. **Site 3 of 6 in cluster J**

Relative:
Higher

Actual:
184 ft.

LTANKS:

Site ID:	426960
Spill Number/Closed Date:	1000041 / 2010-10-14
Spill Date:	2010-04-01
Spill Cause:	Tank Test Failure
Spill Source:	Commercial/Industrial
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	False
SWIS:	5608
Investigator:	dxtraver
Referred To:	Not reported
Reported to Dept:	2010-04-01
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	2010-04-01
Spill Record Last Update:	2010-10-14
Spiller Name:	MIKE PIAZZA
Spiller Company:	T Shirt Factory
Spiller Address:	77 CORNELL ST
Spiller City,St,Zip:	KINGSTON, NY
Spiller County:	999
Spiller Contact:	MIKE PIAZZA
Spiller Phone:	(914) 522-6391
Spiller Extention:	Not reported
DEC Region:	3
DER Facility ID:	375846
DEC Memo:	"4-1-10 Spoke with Ken at WCC Tank. This is a 5k UST. Small ullage leak in tank. This property is already hooked up to natural gas. Ken thinks that the owner plans on pulling the tank. jm Called and spoke

Q D P ELECTRONICS ASSEMBLY (Continued) **1001128022**

with property owner, Mike Piazza. He says that he plans on contacting Conklin Services to come and uncover/retest the tank before deciding what he will do with the tank. He does not use this tank. He said there is oil in the tank. Told him he needs to empty the tank within 24 hours OR make arrangements for retest within 48 hrs. jm 6-9-10 Kathy from US Tank Tech called. Tank failed retest. jc Tank removed. TCR from Enviroclean dated 8/10/10 received. No soil removed from excavation. Postex soil samples from tank excavation sidewalls demonstrate some SVOC's slightly exceed CP draft guidance levels. Area serviced by municipal utilities. Close as does not meet standards. NFA DT 10/14/10"

Remarks: "Caller reporting a tank test failure."

Material:

Site ID:	426960
Operable Unit ID:	1182639
Operable Unit:	01
Material ID:	2176823
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	Not reported
Units:	Gallons
Recovered:	Not reported
Resource Affected:	Not reported
Oxygenate:	Not reported

Tank Test:

RCRA NonGen / NLR:

Date form received by agency:	01/01/2007
Facility name:	Q D P ELECTRONICS ASSEMBLY
Facility address:	77 CORNELL ST 2ND FLOOR SOUTH END KINGSTON, NY 12401-3629
EPA ID:	NYR000036913
Mailing address:	PO BOX 1339 KINGSTON, NY 12402-1339
Contact:	Not reported
Contact address:	PO BOX 1339 KINGSTON, NY 12402-1339
Contact country:	US
Contact telephone:	Not reported
Contact email:	Not reported
EPA Region:	02
Land type:	Facility is not located on Indian land. Additional information is not known.
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	HERBERT KREIN
Owner/operator address:	PO BOX 1339 KINGSTON, NY 12402

Q D P ELECTRONICS ASSEMBLY (Continued) **1001128022**

Owner/operator country: US
Owner/operator telephone: 914-334-8108
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: HERBERT KREIN
Owner/operator address: PO BOX 1339
KINGSTON, NY 12402
Owner/operator country: US
Owner/operator telephone: 914-334-8108
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Site name: Q D P ELECTRONICS ASSEMBLY
Classification: Not a generator, verified

Date form received by agency: 07/08/1999
Site name: Q D P ELECTRONICS ASSEMBLY
Classification: Not a generator, verified

Date form received by agency: 03/24/1997
Site name: Q D P ELECTRONICS ASSEMBLY
Classification: Small Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

Q D P ELECTRONICS ASSEMBLY (Continued) **1001128022**

Violation Status: No violations found

Evaluation Action Summary:
Evaluation date: 09/01/1998
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

NY MANIFEST:
Country: USA
EPA ID: NYR000036913
Facility Status: Not reported
Location Address 1: 77 CORNELL ST
Code: BP
Location Address 2: Not reported
Total Tanks: Not reported
Location City: KINGSTON
Location State: NY
Location Zip: 12401
Location Zip 4: Not reported

NY MANIFEST:
EPAID: NYR000036913
Mailing Name: QDP ELECTRONICS ASSEMBLY
Mailing Contact: HERBERT KREIN
Mailing Address 1: P.O. BOX 1339
Mailing Address 2: Not reported
Mailing City: KINGSTON
Mailing State: NY
Mailing Zip: 12402
Mailing Zip 4: 1339
Mailing Country: USA
Mailing Phone: 8453348108

NY MANIFEST:
Document ID: NYC5837253
Manifest Status: Not reported
seq: 01
Year: 2000
Trans1 State ID: ILP226919
Trans2 State ID: Not reported
Generator Ship Date: 12/08/2000
Trans1 Recv Date: 12/08/2000
Trans2 Recv Date: 12/11/2000
TSD Site Recv Date: 12/16/2000
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYR000036913
Trans1 EPA ID: SCR000075150
Trans2 EPA ID: SCR000074591
TSDF ID 1: KYD053348108
TSDF ID 2: Not reported
Manifest Tracking Number: Not reported
Import Indicator: Not reported
Export Indicator: Not reported
Discr Quantity Indicator: Not reported

Q D P ELECTRONICS ASSEMBLY (Continued) **1001128022**

Discr Type Indicator:	Not reported
Discr Residue Indicator:	Not reported
Discr Partial Reject Indicator:	Not reported
Discr Full Reject Indicator:	Not reported
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	Not reported
Waste Code:	F001 - UNKNOWN
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	02280
Units:	P - Pounds
Number of Containers:	005
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Waste Code:	F001 - UNKNOWN
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	00452
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00

Click this hyperlink while viewing on your computer to access
2 additional NY_MANIFEST: record(s) in the EDR Site Report.

J38 **FX SYSTEMS CORP** **RCRA NonGen / NLR** **1000390606**
ENE **77 CORNELL ST** **FINDS** **NYD063788541**
1/8-1/4 **KINGSTON, NY 12401** **ECHO**
0.149 mi. **NY MANIFEST**
788 ft. **Site 4 of 6 in cluster J**

Relative:
Higher

Actual:
184 ft.

RCRA NonGen / NLR:

Date form received by agency:	01/01/2007
Facility name:	FX SYSTEMS CORP
Facility address:	77 CORNELL ST KINGSTON, NY 12401-3629
EPA ID:	NYD063788541
Mailing address:	CORNELL ST PO BOX 1818 KINGSTON, NY 12401
Contact:	Not reported
Contact address:	CORNELL ST PO BOX 1818 KINGSTON, NY 12401
Contact country:	US
Contact telephone:	Not reported
Contact email:	Not reported
EPA Region:	02
Classification:	Non-Generator

FX SYSTEMS CORP (Continued) **1000390606**

Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:
Owner/operator name: NUTTER EDWARD
Owner/operator address: NOT REQUIRED
NOT REQUIRED, WY 99999
Owner/operator country: US
Owner/operator telephone: 212-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NUTTER EDWARD
Owner/operator address: NOT REQUIRED
NOT REQUIRED, WY 99999
Owner/operator country: US
Owner/operator telephone: 212-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Site name: FX SYSTEMS CORP
Classification: Not a generator, verified

Date form received by agency: 07/08/1999
Site name: FX SYSTEMS CORP
Classification: Not a generator, verified

Date form received by agency: 05/29/1982

FX SYSTEMS CORP (Continued) **1000390606**

Site name: FX SYSTEMS CORP
Classification: Large Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: F001
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLORETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Violation Status: No violations found

FINDS:

Registry ID: 110004363359

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

FIS (New York - Facility Information System) is New York's Department of Environmental Conservation (DEC) information system for tracking environmental facility information found across the State.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1000390606
Registry ID: 110004363359
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110004363359

NY MANIFEST:
Country: USA
EPA ID: NYD063788541
Facility Status: Not reported
Location Address 1: 77 CORNELL ST
Code: BP
Location Address 2: Not reported
Total Tanks: Not reported
Location City: KINGSTON
Location State: NY
Location Zip: 12401
Location Zip 4: Not reported

NY MANIFEST:

FX SYSTEMS CORP (Continued) **1000390606**

EPAID:	NYD063788541
Mailing Name:	F X SYSTEMS CORPORATION
Mailing Contact:	THOMAS BRENNAN
Mailing Address 1:	CPO 1818
Mailing Address 2:	Not reported
Mailing City:	KINGSTON
Mailing State:	NY
Mailing Zip:	12477
Mailing Zip 4:	Not reported
Mailing Country:	USA
Mailing Phone:	9143380515

NY MANIFEST:

Document ID:	NJA0241606
Manifest Status:	C
seq:	Not reported
Year:	1987
Trans1 State ID:	NJDEPS577
Trans2 State ID:	Not reported
Generator Ship Date:	06/12/1987
Trans1 Recv Date:	06/12/1987
Trans2 Recv Date:	/ /
TSD Site Recv Date:	06/12/1987
Part A Recv Date:	06/16/1987
Part B Recv Date:	06/19/1987
Generator EPA ID:	NYD063788541
Trans1 EPA ID:	NJD990720658
Trans2 EPA ID:	Not reported
TSDF ID 1:	NJD002182897
TSDF ID 2:	Not reported
Manifest Tracking Number:	Not reported
Import Indicator:	Not reported
Export Indicator:	Not reported
Discr Quantity Indicator:	Not reported
Discr Type Indicator:	Not reported
Discr Residue Indicator:	Not reported
Discr Partial Reject Indicator:	Not reported
Discr Full Reject Indicator:	Not reported
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	Not reported
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	00055
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Waste Code:	F001 - UNKNOWN
Waste Code:	Not reported
Waste Code:	Not reported

FX SYSTEMS CORP (Continued) **1000390606**

Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	00055
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	00055
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100

Click this hyperlink while viewing on your computer to access
7 additional NY_MANIFEST: record(s) in the EDR Site Report.

J39 **THE SHIRT FACTORY** **NY UST** **U004048514**
ENE **77 CORNELL STREET** **N/A**
1/8-1/4 **KINGSTON, NY 12401**
0.149 mi.
788 ft. **Site 5 of 6 in cluster J**

Relative:
Higher

Actual:
184 ft.

UST:

Id/Status:	3-601722 / Unregulated/Closed
Program Type:	PBS
Region:	STATE
DEC Region:	3
Expiration Date:	N/A
UTM X:	582812.13464
UTM Y:	4642662.51551
Site Type:	Apartment Building/Office Building

Affiliation Records:

Site Id:	345697
Affiliation Type:	Facility Owner
Company Name:	CROSSFIELD MANAGEMENT, LLC
Contact Type:	OWNER
Contact Name:	MICHAEL PIAZZA
Address1:	77 CORNELL STREET
Address2:	Not reported
City:	KINGSTON
State:	NY
Zip Code:	12401
Country Code:	001
Phone:	(845) 354-6383
EMail:	Not reported
Fax Number:	Not reported
Modified By:	BHYUKOWE
Date Last Modified:	2010-10-21

THE SHIRT FACTORY (Continued) **U004048514**

Site Id:	345697
Affiliation Type:	Mail Contact
Company Name:	CROSSFIELD MANAGEMENT LLC
Contact Type:	Not reported
Contact Name:	MICHAEL V. PIAZZA
Address1:	77 CORNELL STREET
Address2:	Not reported
City:	KINGSTON
State:	NY
Zip Code:	12401
Country Code:	001
Phone:	(845) 340-1280
EMail:	Not reported
Fax Number:	Not reported
Modified By:	BHYUKOWE
Date Last Modified:	2010-10-21

Site Id:	345697
Affiliation Type:	Facility Operator
Company Name:	THE SHIRT FACTORY
Contact Type:	Not reported
Contact Name:	MIKE PIAZZA
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(845) 340-1280
EMail:	Not reported
Fax Number:	Not reported
Modified By:	BHYUKOWE
Date Last Modified:	2010-10-21

Site Id:	345697
Affiliation Type:	Emergency Contact
Company Name:	CROSSFIELD MANAGEMENT, LLC
Contact Type:	Not reported
Contact Name:	MIKE PIAZZA
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(845) 340-1280
EMail:	Not reported
Fax Number:	Not reported
Modified By:	BHYUKOWE
Date Last Modified:	2010-10-21

Tank Info:

Tank Number:	1
Tank ID:	206254
Tank Status:	Closed - Removed
Material Name:	Closed - Removed

THE SHIRT FACTORY (Continued) **U004048514**

Capacity Gallons:	5000
Install Date:	Not reported
Date Tank Closed:	06/09/2010
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)
Tightness Test Method:	21
Date Test:	01/12/2005
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	BHYUKOWE
Last Modified:	04/14/2017

Equipment Records:

L00 - Piping Leak Detection - None
A00 - Tank Internal Protection - None
B01 - Tank External Protection - Painted/Asphalt Coating
D01 - Pipe Type - Steel/Carbon Steel/Iron
F01 - Pipe External Protection - Painted/Asphalt Coating
K00 - Spill Prevention - None
E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None
C02 - Pipe Location - Underground/On-ground
G00 - Tank Secondary Containment - None
J02 - Dispenser - Suction Dispenser
I05 - Overfill - Vent Whistle

J40 **NOT FADE AWAY TIE DYE CO INC** **RCRA NonGen / NLR** **1000833470**
ENE **77 CORNELL ST - 1ST FLOOR** **FINDS** **NYD987020898**
1/8-1/4 **KINGSTON, NY 12401** **ECHO**
0.149 mi. **NY MANIFEST**
788 ft. **Site 6 of 6 in cluster J**

Relative:
Higher

Actual:
184 ft.

RCRA NonGen / NLR:

Date form received by agency:	01/01/2007
Facility name:	NOT FADE AWAY TIE DYE CO INC
Facility address:	77 CORNELL ST - 1ST FLOOR KINGSTON, NY 12401
EPA ID:	NYD987020898
Mailing address:	PO BOX 2092 KINGSTON, NY 12401
Contact:	Not reported
Contact address:	PO BOX 2092 KINGSTON, NY 12401
Contact country:	US
Contact telephone:	Not reported
Contact email:	Not reported
EPA Region:	02
Land type:	Facility is not located on Indian land. Additional information is not known.
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	MARTIN LEFFER
Owner/operator address:	PO BOX 2092

NOT FADE AWAY TIE DYE CO INC (Continued) **1000833470**

KINGSTON, NY 12401
Owner/operator country: US
Owner/operator telephone: 914-339-1087
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: MARTIN LEFFER
Owner/operator address: PO BOX 2092
KINGSTON, NY 12401
Owner/operator country: US
Owner/operator telephone: 914-339-1087
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Site name: NOT FADE AWAY TIE DYE CO INC
Classification: Not a generator, verified

Date form received by agency: 07/14/1999
Site name: NOT FADE AWAY TIE DYE CO INC
Classification: Small Quantity Generator

Date form received by agency: 10/08/1992
Site name: NOT FADE AWAY TIE DYE CO INC
Classification: Large Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

NOT FADE AWAY TIE DYE CO INC (Continued) **1000833470**

. Waste code: D018
. Waste name: BENZENE

. Waste code: D039
. Waste name: TETRACHLOROETHYLENE

Facility Has Received Notices of Violations:
Regulation violated: Not reported
Area of violation: Generators - Manifest
Date violation determined: 09/14/1998
Date achieved compliance: 10/19/1998
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 09/14/1998
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 09/14/1998
Date achieved compliance: 10/19/1998
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 09/14/1998
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:
Evaluation date: 08/27/1998
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Manifest
Date achieved compliance: 10/19/1998
Evaluation lead agency: State

Evaluation date: 08/27/1998
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 10/19/1998
Evaluation lead agency: State

FINDS:

Registry ID: 110004497580

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA

NOT FADE AWAY TIE DYE CO INC (Continued) **1000833470**

program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1000833470
Registry ID:	110004497580
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110004497580

NY MANIFEST:

Country:	USA
EPA ID:	NYD987020898
Facility Status:	Not reported
Location Address 1:	77 CORNELL ST
Code:	BP
Location Address 2:	Not reported
Total Tanks:	Not reported
Location City:	KINGSTON
Location State:	NY
Location Zip:	12401
Location Zip 4:	Not reported

NY MANIFEST:

EPAID:	NYD987020898
Mailing Name:	NOT FADE AWAY GRAPHICS
Mailing Contact:	DEE
Mailing Address 1:	77 CORNELL ST
Mailing Address 2:	Not reported
Mailing City:	KINGSTON
Mailing State:	NY
Mailing Zip:	12401
Mailing Zip 4:	Not reported
Mailing Country:	USA
Mailing Phone:	9143391087

NY MANIFEST:

Document ID:	MAM9109800
Manifest Status:	Not reported
seq:	01
Year:	2001
Trans1 State ID:	TNT218034
Trans2 State ID:	NY43803AV
Generator Ship Date:	02/07/2001
Trans1 Recv Date:	02/07/2001
Trans2 Recv Date:	02/07/2001
TSD Site Recv Date:	02/14/2001
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD987020898
Trans1 EPA ID:	SCR000074591
Trans2 EPA ID:	SCR000075150
TSDF ID 1:	MAD982755639
TSDF ID 2:	Not reported

NOT FADE AWAY TIE DYE CO INC (Continued) **1000833470**

Manifest Tracking Number:	Not reported
Import Indicator:	Not reported
Export Indicator:	Not reported
Discr Quantity Indicator:	Not reported
Discr Type Indicator:	Not reported
Discr Residue Indicator:	Not reported
Discr Partial Reject Indicator:	Not reported
Discr Full Reject Indicator:	Not reported
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	Not reported
Waste Code:	D011 - SILVER 5.0 MG/L TCLP
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	00135
Units:	P - Pounds
Number of Containers:	001
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	01.00

Click this hyperlink while viewing on your computer to access
73 additional NY_MANIFEST: record(s) in the EDR Site Report.

K41 **PERRYS MOBIL SERVICE STATION** **EDR Hist Auto** **1021030354**
West **649 BROADWAY** **N/A**
1/8-1/4 **KINGSTON, NY 12401**
0.149 mi.
788 ft. **Site 1 of 4 in cluster K**

Relative: EDR Hist Auto
Lower

Actual: **179 ft.**

Year:	Name:	Type:
1973	RICHIES TEXACO SERVICE STATION	Gasoline Service Stations
1974	RICHIES TEXACO SERVICE STATION	Gasoline Service Stations
1976	KINGSTON TIRE CENTER	Gasoline Service Stations
1994	PERRYS MOBIL SERVICE STATION	General Automotive Repair Shops
1995	PERRYS MOBIL SERVICE STATION	General Automotive Repair Shops
1996	PERRYS MOBIL SERVICE STATION	General Automotive Repair Shops
1997	PERRYS MOBIL SERVICE STATION	General Automotive Repair Shops
1998	PERRYS MOBIL SERVICE STATION	General Automotive Repair Shops
1999	PERRYS MOBIL SERVICE STATION	General Automotive Repair Shops
2000	PERRYS MOBIL SERVICE STATION	General Automotive Repair Shops
2001	PERRYS MOBIL SERVICE STATION	General Automotive Repair Shops
2002	PERRYS MOBIL SERVICE STATION	General Automotive Repair Shops
2003	PERRYS MOBIL SERVICE STATION	General Automotive Repair Shops
2004	PERRYS MOBIL SERVICE STATION	General Automotive Repair Shops
2005	PERRYS MOBIL SERVICE STATION	Gasoline Service Stations, NEC
2006	PERRYS MOBIL SERVICE STATION	Gasoline Service Stations, NEC
2007	PERRYS MOBIL SERVICE STATION	Gasoline Service Stations, NEC
2008	PERRYS MOBIL SERVICE STATION	Gasoline Service Stations, NEC
2009	PERRYS MOBIL SERVICE STATION	Gasoline Service Stations, NEC
2010	PERRYS MOBIL SERVICE STATION	Gasoline Service Stations, NEC

PERRYS MOBIL SERVICE STATION (Continued) **1021030354**

2011	PERRYS MOBIL SERVICE STATION	Gasoline Service Stations, NEC
2012	PERRYS MOBIL SERVICE STATION	Gasoline Service Stations, NEC
2013	PERRYS MOBIL SERVICE STATION	Gasoline Service Stations, NEC
2014	PERRYS MOBIL SERVICE STATION	Gasoline Service Stations, NEC

K42 **PERRY AUTOMOTIVE** **NY Spills** **S118263354**
West **649 BROADWAY** **N/A**
1/8-1/4 **KINGSTON, NY**
0.149 mi.
788 ft. **Site 2 of 4 in cluster K**

Relative:
Lower

Actual:
179 ft.

SPILLS:

Facility ID:	1508314
Facility Type:	ER
DER Facility ID:	151290
Site ID:	515895
DEC Region:	3
Spill Date:	2015-11-10
Spill Number/Closed Date:	1508314 / 2015-11-10
Spill Cause:	Housekeeping
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	5630
Investigator:	JYMCCART
Referred To:	Not reported
Reported to Dept:	2015-11-10
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Commercial Vehicle
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2015-11-10
Spill Record Last Update:	2015-11-10
Spiller Name:	Not reported
Spiller Company:	PERRY AUTOMOTIVE
Spiller Address:	Not reported
Spiller City,St,Zip:	NY
Spiller Company:	999
Contact Name:	N/A
Contact Phone:	Not reported
DEC Memo:	"11-10-15 Spoke with Allen. He says that Perrys Garage on Broadway in washing big wreckers outside and wash water is going down road entering storm drain system. Referred to DOW. NFA jm"
Remarks:	"washing tow truck/water is going down street into drain"

Material:

Site ID:	515895
Operable Unit ID:	1265002
Operable Unit:	01
Material ID:	2268821
Material Code:	0064A
Material Name:	unknown material
Case No.:	Not reported

PERRY AUTOMOTIVE (Continued) **S118263354**

Material FA: Other
Quantity: Not reported
Units: Gallons
Recovered: Not reported
Resource Affected: Not reported
Oxygenate: Not reported

Tank Test:

K43 **BOB PERRYS SERVICE STATION** **NY UST** **U000378828**
West **649 BROADWAY** **N/A**
1/8-1/4 **KINGSTON, NY 12401**
0.149 mi.
788 ft. **Site 3 of 4 in cluster K**

Relative:
Lower

Actual:
179 ft.

UST:
Id/Status: 3-164402 / Unregulated/Closed
Program Type: PBS
Region: STATE
DEC Region: 3
Expiration Date: N/A
UTM X: 582346.62682
UTM Y: 4642489.06721
Site Type: Retail Gasoline Sales

Affiliation Records:
Site Id: 32245
Affiliation Type: Facility Owner
Company Name: ARTHUR FERRARO
Contact Type: Not reported
Contact Name: Not reported
Address1: BOX 86F
Address2: Not reported
City: MT MARION
State: NY
Zip Code: 12456
Country Code: 001
Phone: (914) 246-4044
EMail: Not reported
Fax Number: Not reported
Modified By: TRANSLAT
Date Last Modified: 2004-03-04

Site Id: 32245
Affiliation Type: Mail Contact
Company Name: ARTHUR FERRARO
Contact Type: Not reported
Contact Name: Not reported
Address1: BOX 86F
Address2: Not reported
City: MT MARION
State: NY
Zip Code: 12456
Country Code: 001
Phone: (914) 246-4044
EMail: Not reported
Fax Number: Not reported

BOB PERRYS SERVICE STATION (Continued) **U000378828**

Modified By:	TRANSLAT
Date Last Modified:	2004-03-04

Site Id:	32245
Affiliation Type:	Facility Operator
Company Name:	BOB PERRYS SERVICE STATION
Contact Type:	Not reported
Contact Name:	ARTHUR FERRARO
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(914) 338-5111
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	2004-03-04

Site Id:	32245
Affiliation Type:	Emergency Contact
Company Name:	ARTHUR FERRARO
Contact Type:	Not reported
Contact Name:	ARTHUR FERRARO
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(914) 246-4044
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	2004-03-04

Tank Info:

Tank Number:	1
Tank ID:	70511
Tank Status:	Closed - Removed
Material Name:	Closed - Removed
Capacity Gallons:	4000
Install Date:	01/01/1980
Date Tank Closed:	05/01/1998
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0009
Common Name of Substance:	Gasoline

Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	TRANSLAT

BOB PERRYS SERVICE STATION (Continued) **U000378828**

Last Modified: 04/14/2017

Equipment Records:

A00 - Tank Internal Protection - None
B00 - Tank External Protection - None
C00 - Pipe Location - No Piping
D02 - Pipe Type - Galvanized Steel
F00 - Pipe External Protection - None
H04 - Tank Leak Detection - Groundwater Well
I00 - Overfill - None
G00 - Tank Secondary Containment - None
J02 - Dispenser - Suction Dispenser

Tank Number: 2
Tank ID: 70512
Tank Status: Closed - Removed
Material Name: Closed - Removed
Capacity Gallons: 10000
Install Date: 01/01/1980
Date Tank Closed: 05/01/1998
Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 0009
Common Name of Substance: Gasoline

Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: TRANSLAT
Last Modified: 04/14/2017

Equipment Records:

G00 - Tank Secondary Containment - None
J02 - Dispenser - Suction Dispenser
A00 - Tank Internal Protection - None
B00 - Tank External Protection - None
C00 - Pipe Location - No Piping
D02 - Pipe Type - Galvanized Steel
F00 - Pipe External Protection - None
H04 - Tank Leak Detection - Groundwater Well
I00 - Overfill - None

Tank Number: 3
Tank ID: 70513
Tank Status: Closed - Removed
Material Name: Closed - Removed
Capacity Gallons: 10000
Install Date: 01/01/1980
Date Tank Closed: 05/01/1998
Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 0009
Common Name of Substance: Gasoline

BOB PERRYS SERVICE STATION (Continued) **U000378828**

Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	TRANSLAT
Last Modified:	04/14/2017

Equipment Records:

I00 - Overfill - None
B00 - Tank External Protection - None
C00 - Pipe Location - No Piping
D02 - Pipe Type - Galvanized Steel
F00 - Pipe External Protection - None
H04 - Tank Leak Detection - Groundwater Well
A00 - Tank Internal Protection - None
G00 - Tank Secondary Containment - None
J02 - Dispenser - Suction Dispenser

Tank Number:	4
Tank ID:	70514
Tank Status:	Closed - In Place
Material Name:	Closed - In Place
Capacity Gallons:	3000
Install Date:	01/01/1980
Date Tank Closed:	05/01/1998
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0008
Common Name of Substance:	Diesel

Tightness Test Method:	01
Date Test:	11/01/1992
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	TRANSLAT
Last Modified:	04/14/2017

Equipment Records:

I00 - Overfill - None
A00 - Tank Internal Protection - None
B00 - Tank External Protection - None
C00 - Pipe Location - No Piping
D02 - Pipe Type - Galvanized Steel
F00 - Pipe External Protection - None
H04 - Tank Leak Detection - Groundwater Well
G00 - Tank Secondary Containment - None
J02 - Dispenser - Suction Dispenser

K44 **MOBIL S/S** **NY LTANKS** **S100492042**
West **649 BROADWAY** **N/A**
1/8-1/4 **KINGSTON, NY**
0.149 mi.
788 ft. **Site 4 of 4 in cluster K**

Relative:
Lower

Actual:
179 ft.

LTANKS:

Site ID:	180380
Spill Number/Closed Date:	9209571 / 1995-02-13
Spill Date:	1992-11-17
Spill Cause:	Tank Test Failure
Spill Source:	Gasoline Station or other PBS Facility
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased:	1992-11-18
Cleanup Meets Standard:	True
SWIS:	5630
Investigator:	dxtraver
Referred To:	Not reported
Reported to Dept:	1992-11-17
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	True
Remediation Phase:	0
Date Entered In Computer:	1992-11-23
Spill Record Last Update:	1995-05-19
Spiller Name:	Not reported
Spiller Company:	SAME
Spiller Address:	Not reported
Spiller City,St,Zip:	ZZ
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	3
DER Facility ID:	151290
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was TRAVER 09/27/95: This is additional information about material spilled from the translation of the old spill file: TANK TEST."
Remarks:	"FUEL WOULD NOT HOLD IN STANDPIPE WILL EIR ASAP"

Material:

Site ID:	180380
Operable Unit ID:	973389
Operable Unit:	01
Material ID:	406615
Material Code:	0009
Material Name:	gasoline
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	Not reported
Recovered:	.00
Resource Affected:	Not reported
Oxygenate:	Not reported

MOBIL S/S (Continued) **S100492042**

Tank Test:

Site ID:	180380
Spill Tank Test:	1540857
Tank Number:	Not reported
Tank Size:	0
Test Method:	00
Leak Rate:	.00
Gross Fail:	Not reported
Modified By:	Spills
Last Modified:	Not reported
Test Method:	Unknown

45
South
1/8-1/4
0.161 mi.
851 ft.

KERN BRIAN **EDR Hist Cleaner** **1018838646**
41 GREENKILL AVE **N/A**
KINGSTON, NY 12401

Relative:
Lower

Actual:
181 ft.

EDR Hist Cleaner

Year:	Name:	Type:
2001	KERN BRIAN	Carpet And Upholstery Cleaning On Customer Premises

---

46
SW
1/8-1/4
0.163 mi.
860 ft.

OBRIEN RESIDENCE **NY Spills** **S107410775**
55 CEDAR ST **N/A**
KINGSTON, NY

Relative:
Lower

Actual:
181 ft.

SPILLS:

Facility ID:	0507845
Facility Type:	ER
DER Facility ID:	300653
Site ID:	353333
DEC Region:	3
Spill Date:	2005-09-29
Spill Number/Closed Date:	0507845 / 2006-02-24
Spill Cause:	Equipment Failure
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	5608
Investigator:	DXTRAVER
Referred To:	Not reported
Reported to Dept:	2005-09-29
CID:	409
Water Affected:	Not reported
Spill Source:	Private Dwelling
Spill Notifier:	Local Agency
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2005-09-29

OBRIEN RESIDENCE (Continued) **S107410775**

Spill Record Last Update:	2010-05-25
Spiller Name:	SHEWN OBRIEN
Spiller Company:	OBRIEN RESIDENCE
Spiller Address:	55 CEDAR ST
Spiller City,St,Zip:	KINGSTON, NY
Spiller Company:	001
Contact Name:	SHEWN OBRIEN
Contact Phone:	(845) 336-4577
DEC Memo:	"Tank had been abandoned four years ago and filled with sand. Tank was removed and found to have leaked. Had quite a few holes. Soil was contaminated under tank. Homeowner did not yet give approval to do clean up. Contacting insurance company. TCR dated 11/05 and addendum dated 2/21/06 received from Tankmasters. NFA DT"
Remarks:	"TANK REMOVAL."

Material:

Site ID:	353333
Operable Unit ID:	1110796
Operable Unit:	01
Material ID:	2100837
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	Gallons
Recovered:	.00
Resource Affected:	Not reported
Oxygenate:	Not reported

Tank Test:

L47 **B&M AUTOMOTIVE** **EDR Hist Auto** **1020200002**
East **57 RAILROAD AVE** **N/A**
1/8-1/4 **KINGSTON, NY 12401**
0.166 mi.
878 ft. **Site 1 of 3 in cluster L**

Relative: EDR Hist Auto
Higher

Year:	Name:	Type:
2000	B&M AUTOMOTIVE	General Automotive Repair Shops
2001	B&M AUTOMOTIVE	General Automotive Repair Shops
2002	B&M AUTOMOTIVE	General Automotive Repair Shops

Actual:
188 ft.

L48 **VAULT SERVICE BOX TM9385** **NY Spills** **S110750298**
East **85TH STREET AND 91ST AVE** **N/A**
1/8-1/4 **QUEENS, NY**
0.170 mi.
899 ft. **Site 2 of 3 in cluster L**

Relative: SPILLS:
Higher

Facility ID:	1008849
Facility Type:	ER
DER Facility ID:	397413

Actual:
188 ft.

VAULT SERVICE BOX TM9385 (Continued) **S110750298**

Site ID:	442369
DEC Region:	2
Spill Date:	2010-11-23
Spill Number/Closed Date:	1008849 / 2011-01-25
Spill Cause:	Equipment Failure
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	4101
Investigator:	RWAUSTIN
Referred To:	Not reported
Reported to Dept:	2010-11-23
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Unknown
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2010-11-23
Spill Record Last Update:	2011-01-25
Spiller Name:	Not reported
Spiller Company:	CON ED TRANSFORMER
Spiller Address:	Not reported
Spiller City,St,Zip:	NY
Spiller Company:	999
Contact Name:	ERT
Contact Phone:	(212) 580-8383
DEC Memo:	"1/25/11 - Austin - Non-PCB transformer with active leak - Con Ed contained and cleaned up the spill, and transformer secured - see eDocs for more information - Spill closed - end "
Remarks:	"cleanup pending"

Material:

Site ID:	442369
Operable Unit ID:	1192878
Operable Unit:	01
Material ID:	2188221
Material Code:	0541A
Material Name:	dielectric fluid
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	5.00
Units:	Gallons
Recovered:	Not reported
Resource Affected:	Not reported
Oxygenate:	Not reported

Tank Test:

49
SSW
1/8-1/4
0.172 mi.
909 ft.

RUZZO RENTAL
52 CEDAR ST
KINGSTON, NY

NY Spills **S117362698**
N/A

Relative:
Lower

Actual:
181 ft.

SPILLS:

Facility ID:	1406127
Facility Type:	ER
DER Facility ID:	454615
Site ID:	499584
DEC Region:	3
Spill Date:	2014-09-05
Spill Number/Closed Date:	1406127 / 2014-09-08
Spill Cause:	Human Error
Spill Class:	Known release that creates potential for fire or hazard. (Highly Improbable)
SWIS:	5608
Investigator:	DXWEITZ
Referred To:	Not reported
Reported to Dept:	2014-09-08
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Private Dwelling
Spill Notifier:	Responsible Party
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2014-09-08
Spill Record Last Update:	2014-09-08
Spiller Name:	VICTOR RUZZO
Spiller Company:	KOSCO
Spiller Address:	52 CEDAR ST
Spiller City,St,Zip:	KINGSTON, NY
Spiller Company:	999
Contact Name:	VICTOR RUZZO
Contact Phone:	(845) 338-5865
DEC Memo:	"9/8/14 Kosco came to fill AST in basement on 9/5. Tenant, Simon Lowry (845-338-6322 ext. 3422) said that he called Kosco to tell them not to deliver because the tank was already full, but they came anyway, and spilled fuel oil, both inside basement and outside. Mr. Lowry said that there had been some cleanup outside done by Kosco, but wasn't sure if anybody got inside the house. He has not been home since 9/5, but will check later today. Spoke to Victor Ruzzo, the owner, and he didn't know if Kosco finished the cleanup. Spoke to Kelly, at Kosco, who is checking on status, and will call back. Kelly called back to say that Kosco did clean up both the outside and inside to the customer's satisfaction. NFA dw"
Remarks:	"Received a call complaining of an odor on Friday 09/05, did not believe it was reportable after investigation they decided they should contact dec, c/u pending"

Material:

Site ID:	499584
Operable Unit ID:	1248999
Operable Unit:	01
Material ID:	2250531

RUZZO RENTAL (Continued) **S117362698**

Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	Not reported
Units:	Not reported
Recovered:	Not reported
Resource Affected:	Not reported
Oxygenate:	Not reported

Tank Test:

L50 **SPILL NUMBER 9906580** **NY LTANKS** **S104620426**
East **150-56 58TH AV** **N/A**
1/8-1/4 **QUEENS, NY**
0.173 mi.
913 ft. **Site 3 of 3 in cluster L**

Relative:
Higher

Actual:
188 ft.

LTANKS:

Site ID:	279893
Spill Number/Closed Date:	9906580 / 2000-01-25
Spill Date:	1999-09-02
Spill Cause:	Tank Overfill
Spill Source:	Private Dwelling
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	False
SWIS:	4101
Investigator:	O'DOWD
Referred To:	Not reported
Reported to Dept:	1999-09-02
CID:	211
Water Affected:	Not reported
Spill Notifier:	Local Agency
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	1999-09-02
Spill Record Last Update:	2000-02-09
Spiller Name:	Not reported
Spiller Company:	UNKNOWN
Spiller Address:	Not reported
Spiller City,St,Zip:	NY
Spiller County:	999
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	227240
DEC Memo:	""
Remarks:	"CALLER STATES UNK COMPANY WAS FILLING TANK WHEN IT OVERFLOWED - PRODUCT DID ENTER SEWER SYSTEM - FIRE DEPT ON SCENE CONTAING - NO CLEAN UP"

SPILL NUMBER 9906580 (Continued) **S104620426**

Material:

Site ID:	279893
Operable Unit ID:	1080991
Operable Unit:	01
Material ID:	299303
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	20.00
Units:	Gallons
Recovered:	.00
Resource Affected:	Not reported
Oxygenate:	Not reported

Tank Test:

M51 **MILLER RES** **NY LTANKS** **S102960208**
West **21 VANDUSEN ST** **N/A**
1/8-1/4 **KINGSTON, NY**
0.173 mi.
915 ft. **Site 1 of 2 in cluster M**

Relative:
Lower

Actual:
180 ft.

LTANKS:

Site ID:	168087
Spill Number/Closed Date:	9710391 / 1998-02-09
Spill Date:	1997-10-24
Spill Cause:	Tank Failure
Spill Source:	Private Dwelling
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	True
SWIS:	5630
Investigator:	RICCI
Referred To:	Not reported
Reported to Dept:	1997-11-08
CID:	999
Water Affected:	Not reported
Spill Notifier:	DEC
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	1997-12-10
Spill Record Last Update:	1998-02-18
Spiller Name:	RICK BOTTINI
Spiller Company:	ULSTER CO OIL
Spiller Address:	Not reported
Spiller City,St,Zip:	POUGHKEEPSIE, NY
Spiller County:	001
Spiller Contact:	GERALD MILLER
Spiller Phone:	(914) 239-5824
Spiller Extention:	Not reported
DEC Region:	3
DER Facility ID:	141610

MILLER RES (Continued) **S102960208**

DEC Memo: ""
Remarks: "leak in basement approx 3 weeks ago spill cleaned up by homeowner spill not reported to dec by oil company odors in house to be vented (insurance - valley group 331-2255 "

Material:
Site ID: 168087
Operable Unit ID: 1056769
Operable Unit: 01
Material ID: 328691
Material Code: 0001A
Material Name: #2 fuel oil
Case No.: Not reported
Material FA: Petroleum
Quantity: 220.00
Units: Gallons
Recovered: .00
Resource Affected: Not reported
Oxygenate: Not reported

Tank Test:

Site ID: 168088
Spill Number/Closed Date: 9710402 / 1998-02-26
Spill Date: 1997-10-24
Spill Cause: Tank Failure
Spill Source: Private Dwelling
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased: Not reported
Cleanup Meets Standard: True
SWIS: 5630
Investigator: RICCI
Referred To: Not reported
Reported to Dept: 1997-11-08
CID: 999
Water Affected: Not reported
Spill Notifier: DEC
Last Inspection: Not reported
Recommended Penalty: False
UST Involvement: False
Remediation Phase: 0
Date Entered In Computer: 1997-12-10
Spill Record Last Update: 1998-03-10
Spiller Name: DICK BOTTINI
Spiller Company: ULSTER COUNTY OIL
Spiller Address: Not reported
Spiller City,St,Zip: POUGHKEEPSIE, NY
Spiller County: 001
Spiller Contact: GERALD MILLER
Spiller Phone: (914) 239-5824
Spiller Extention: Not reported
DEC Region: 3
DER Facility ID: 141610
DEC Memo: ""

MILLER RES (Continued) **S102960208**

Remarks: "LEAK IN BASEMENT APPROX. 3 WEEKS AGO SPILL CLEANED UP BY HOMEOWNER SPILL NOT REPORTED TO DEC BY OIL CO. ODERS IN THE HOUSE. HOUSE TO BE VENTED(INSURANCE-VALLEY GROUP) 331-2255 ASK FOR DAVE."

Material:

Site ID:	168088
Operable Unit ID:	1056783
Operable Unit:	01
Material ID:	328701
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	220.00
Units:	Gallons
Recovered:	.00
Resource Affected:	Not reported
Oxygenate:	Not reported

Tank Test:

M52 **RESIDENCE** **NY Spills** **S102110456**
WSW **25 VANDEUSSEN STREET** **N/A**
1/8-1/4 **KINGSTON, NY**
0.180 mi.
949 ft. **Site 2 of 2 in cluster M**

Relative:
Lower

Actual:
180 ft.

SPILLS:

Facility ID:	9500923
Facility Type:	ER
DER Facility ID:	67298
Site ID:	71015
DEC Region:	3
Spill Date:	1995-04-23
Spill Number/Closed Date:	9500923 / 1995-05-25
Spill Cause:	Equipment Failure
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	5630
Investigator:	RICCI
Referred To:	Not reported
Reported to Dept:	1995-04-23
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Private Dwelling
Spill Notifier:	Other
Cleanup Ceased:	1995-05-25
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	1995-05-25
Spill Record Last Update:	1995-07-12
Spiller Name:	Not reported
Spiller Company:	Not reported

RESIDENCE (Continued) **S102110456**

Spiller Address: Not reported
Spiller City,St,Zip: ***Update***, ZZ
Spiller Company: 001
Contact Name: Not reported
Contact Phone: Not reported
DEC Memo: ""
Remarks: "BROKEN TANK GUAGE"

Material:
Site ID: 71015
Operable Unit ID: 1015047
Operable Unit: 01
Material ID: 369538
Material Code: 0001A
Material Name: #2 fuel oil
Case No.: Not reported
Material FA: Petroleum
Quantity: 2.00
Units: Gallons
Recovered: .00
Resource Affected: Not reported
Oxygenate: Not reported

Tank Test:

---

53 **ROB STEGER** **NY Spills** **S102107233**
North **193 SMITH AVE.** **N/A**
1/8-1/4 **KINGSTON, NY**
0.188 mi.
995 ft.

Relative:
Lower

Actual:
181 ft.

SPILLS:
Facility ID: 8903908
Facility Type: ER
DER Facility ID: 236190
Site ID: 291725
DEC Region: 3
Spill Date: 1989-07-17
Spill Number/Closed Date: 8903908 / 1989-07-28
Spill Cause: Deliberate
Spill Class: Not reported
SWIS: 5630
Investigator: jkomara
Referred To: Not reported
Reported to Dept: 1989-07-19
CID: Not reported
Water Affected: Not reported
Spill Source: Passenger Vehicle
Spill Notifier: Other
Cleanup Ceased: 1989-07-19
Cleanup Meets Std: True
Last Inspection: 1989-07-19
Recommended Penalty: False
UST Trust: False
Remediation Phase: 0
Date Entered In Computer: Not reported
Spill Record Last Update: 2003-12-02

ROB STEGER (Continued) **S102107233**

Spiller Name:	Not reported
Spiller Company:	ROB STEGER
Spiller Address:	Not reported
Spiller City,St,Zip:	ZZ
Spiller Company:	001
Contact Name:	Not reported
Contact Phone:	Not reported
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was J. MCCARTHY 11/29/95: This is additional information about material spilled from the translation of the old spill file: MOTOR OIL/TRANS FLU. "
Remarks:	"SPILLER DRAINED OIL FROM VEHICLE INTO ROADWAY, DOWN DITCH. SOME INTO STORM SEWER. KINGSTON P.D. NOTIFIED. SPILLER TOLD TO CLEAN BY P.D; CLEANUP NOT DONE. WILL CLEAN W/SPEEDY DRY & DISPOSE."

Material:

Site ID:	291725
Operable Unit ID:	929315
Operable Unit:	01
Material ID:	447978
Material Code:	0066A
Material Name:	unknown petroleum
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	3.00
Units:	Gallons
Recovered:	.00
Resource Affected:	Not reported
Oxygenate:	Not reported

Tank Test:

54
SE
1/8-1/4
0.189 mi.
998 ft.

Relative:
Higher

Actual:
189 ft.

CANFIELD PLUMBING SUPPLY WAREHOUSE **NY UST** **U003740227**
534 BROADWAY **N/A**
KINGSTON, NY 12401

UST:

Id/Status:	3-601396 / Unregulated/Closed
Program Type:	PBS
Region:	STATE
DEC Region:	3
Expiration Date:	N/A
UTM X:	583723.67780
UTM Y:	4641971.39148
Site Type:	Other Wholesale/Retail Sales

Affiliation Records:

Site Id:	34504
Affiliation Type:	Facility Owner
Company Name:	JOHN SHULTS
Contact Type:	Not reported
Contact Name:	Not reported
Address1:	534 BROADWAY
Address2:	Not reported
City:	KINGSTON

CANFIELD PLUMBING SUPPLY WAREHOUSE (Continued) **U003740227**

State: NY
Zip Code: 12401
Country Code: 001
Phone: Not reported
EMail: Not reported
Fax Number: Not reported
Modified By: TRANSLAT
Date Last Modified: 2004-03-04

Site Id: 34504
Affiliation Type: Mail Contact
Company Name: JOHN SHULTS
Contact Type: Not reported
Contact Name: Not reported
Address1: 45 PINE GROVE AVENUE
Address2: Not reported
City: KINGSTON
State: NY
Zip Code: 12401
Country Code: 001
Phone: Not reported
EMail: Not reported
Fax Number: Not reported
Modified By: TRANSLAT
Date Last Modified: 2004-03-04

Site Id: 34504
Affiliation Type: Facility Operator
Company Name: CANFIELD PLUMBING SUPPLY WAREHOUSE
Contact Type: Not reported
Contact Name: JOHN SHULTS
Address1: Not reported
Address2: Not reported
City: Not reported
State: NN
Zip Code: Not reported
Country Code: 001
Phone: Not reported
EMail: Not reported
Fax Number: Not reported
Modified By: TRANSLAT
Date Last Modified: 2004-03-04

Site Id: 34504
Affiliation Type: Emergency Contact
Company Name: JOHN SHULTS
Contact Type: Not reported
Contact Name: ENV. ENG.
Address1: Not reported
Address2: Not reported
City: Not reported
State: NN
Zip Code: Not reported
Country Code: 001
Phone: (914) 336-8903
EMail: Not reported
Fax Number: Not reported

CANFIELD PLUMBING SUPPLY WAREHOUSE (Continued) **U003740227**

Modified By: TRANSLAT
Date Last Modified: 2004-03-04

Tank Info:

Tank Number: 1
Tank ID: 82067
Tank Status: Closed - Removed
Material Name: Closed - Removed
Capacity Gallons: 2500
Install Date: Not reported
Date Tank Closed: Not reported
Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 0009
Common Name of Substance: Gasoline

Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: TRANSLAT
Last Modified: 04/14/2017

Equipment Records:

C01 - Pipe Location - Aboveground
G00 - Tank Secondary Containment - None
J02 - Dispenser - Suction Dispenser
B00 - Tank External Protection - None
F00 - Pipe External Protection - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
H00 - Tank Leak Detection - None
I00 - Overfill - None

Tank Number: 2
Tank ID: 82068
Tank Status: Closed - Removed
Material Name: Closed - Removed
Capacity Gallons: 2500
Install Date: Not reported
Date Tank Closed: Not reported
Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 0009
Common Name of Substance: Gasoline

Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: TRANSLAT
Last Modified: 04/14/2017

CANFIELD PLUMBING SUPPLY WAREHOUSE (Continued) **U003740227**

Equipment Records:

H00 - Tank Leak Detection - None
I00 - Overfill - None
D00 - Pipe Type - No Piping
B00 - Tank External Protection - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
A00 - Tank Internal Protection - None
G00 - Tank Secondary Containment - None

N55 **SUNOCO FOOD MART** **NY UST** **U000381523**
West **675 BROADWAY** **NY Spills** **N/A**
1/8-1/4 **KINGSTON, NY 12401**
0.196 mi.
1036 ft. **Site 1 of 6 in cluster N**

Relative:
Lower

Actual:
180 ft.

UST:

Id/Status:	3-497509 / Active
Program Type:	PBS
Region:	STATE
DEC Region:	3
Expiration Date:	02/06/2022
UTM X:	582266.30070
UTM Y:	4642532.22127
Site Type:	Retail Gasoline Sales

Affiliation Records:

Site Id:	33673
Affiliation Type:	Mail Contact
Company Name:	VIRK CONVENIENT MART, INC.
Contact Type:	Not reported
Contact Name:	DALJIT VIRK
Address1:	740 MAIN STREET
Address2:	Not reported
City:	POUGHKEEPSIE
State:	NY
Zip Code:	12601
Country Code:	001
Phone:	(845) 452-3890
EMail:	DALJITVIRK@ME.COM
Fax Number:	Not reported
Modified By:	BHYUKOWE
Date Last Modified:	2012-03-15

Site Id:	33673
Affiliation Type:	Facility Operator
Company Name:	SUNOCO FOOD MART
Contact Type:	Not reported
Contact Name:	RANVIR SINGH
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(845) 340-8433
EMail:	Not reported
Fax Number:	Not reported

SUNOCO FOOD MART (Continued) **U000381523**

Modified By:	BHYUKOWE
Date Last Modified:	2017-02-10
Site Id:	33673
Affiliation Type:	Facility Owner
Company Name:	VIRK CONVENIENT MART, INC.
Contact Type:	PRESIDENT
Contact Name:	DALJIT VIRK
Address1:	740 MAIN STREET
Address2:	Not reported
City:	POUGHKEEPSIE
State:	NY
Zip Code:	12603
Country Code:	001
Phone:	(845) 452-3890
EMail:	DALJITVIRK@ME.COM
Fax Number:	Not reported
Modified By:	BHYUKOWE
Date Last Modified:	2013-05-21
Site Id:	33673
Affiliation Type:	Emergency Contact
Company Name:	VIRK CONVENIENT MART, INC.
Contact Type:	Not reported
Contact Name:	DALJIT VIRK
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(914) 452-3890
EMail:	Not reported
Fax Number:	Not reported
Modified By:	BHYUKOWE
Date Last Modified:	2016-11-14

Tank Info:

Tank Number:	1
Tank ID:	76146
Tank Status:	In Service
Material Name:	In Service
Capacity Gallons:	8000
Install Date:	11/01/1981
Date Tank Closed:	Not reported
Registered:	True
Tank Location:	Underground
Tank Type:	Equivalent technology
Material Code:	2712
Common Name of Substance:	Gasoline/Ethanol
Tightness Test Method:	20
Date Test:	11/01/1998
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	BHYUKOWE

SUNOCO FOOD MART (Continued) **U000381523**

Last Modified: 04/14/2017

Equipment Records:

H05 - Tank Leak Detection - In-Tank System (ATG)
H99 - Tank Leak Detection - Other
A00 - Tank Internal Protection - None
I01 - Overfill - Float Vent Valve
C02 - Pipe Location - Underground/On-ground
F04 - Pipe External Protection - Fiberglass
G00 - Tank Secondary Containment - None
L01 - Piping Leak Detection - Interstitial - Electronic Monitoring
E04 - Piping Secondary Containment - Double walled UG
J01 - Dispenser - Pressurized Dispenser
L07 - Piping Leak Detection - Pressurized Piping Leak Detector
B04 - Tank External Protection - Fiberglass
D06 - Pipe Type - Fiberglass Reinforced Plastic (FRP)
K01 - Spill Prevention - Catch Basin

Tank Number: 2
Tank ID: 76147
Tank Status: In Service
Material Name: In Service
Capacity Gallons: 8000
Install Date: 11/01/1981
Date Tank Closed: Not reported
Registered: True
Tank Location: Underground
Tank Type: Equivalent technology
Material Code: 2712
Common Name of Substance: Gasoline/Ethanol

Tightness Test Method: 20
Date Test: 11/01/1998
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: BHYUKOWE
Last Modified: 04/14/2017

Equipment Records:

H05 - Tank Leak Detection - In-Tank System (ATG)
H99 - Tank Leak Detection - Other
I01 - Overfill - Float Vent Valve
A00 - Tank Internal Protection - None
L01 - Piping Leak Detection - Interstitial - Electronic Monitoring
C02 - Pipe Location - Underground/On-ground
F04 - Pipe External Protection - Fiberglass
G00 - Tank Secondary Containment - None
J01 - Dispenser - Pressurized Dispenser
E04 - Piping Secondary Containment - Double walled UG
L07 - Piping Leak Detection - Pressurized Piping Leak Detector
K01 - Spill Prevention - Catch Basin
B04 - Tank External Protection - Fiberglass
D06 - Pipe Type - Fiberglass Reinforced Plastic (FRP)

Tank Number: 3
Tank ID: 76148

SUNOCO FOOD MART (Continued) **U000381523**

Tank Status:	In Service
Material Name:	In Service
Capacity Gallons:	8000
Install Date:	11/01/1981
Date Tank Closed:	Not reported
Registered:	True
Tank Location:	Underground
Tank Type:	Equivalent technology
Material Code:	2712
Common Name of Substance:	Gasoline/Ethanol
Tightness Test Method:	20
Date Test:	11/01/1998
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	BHYUKOWE
Last Modified:	04/14/2017

Equipment Records:

H99 - Tank Leak Detection - Other
H05 - Tank Leak Detection - In-Tank System (ATG)
I01 - Overfill - Float Vent Valve
A00 - Tank Internal Protection - None
L01 - Piping Leak Detection - Interstitial - Electronic Monitoring
C02 - Pipe Location - Underground/On-ground
F04 - Pipe External Protection - Fiberglass
G00 - Tank Secondary Containment - None
J01 - Dispenser - Pressurized Dispenser
E04 - Piping Secondary Containment - Double walled UG
L07 - Piping Leak Detection - Pressurized Piping Leak Detector
K01 - Spill Prevention - Catch Basin
D06 - Pipe Type - Fiberglass Reinforced Plastic (FRP)
B04 - Tank External Protection - Fiberglass

SPILLS:

Facility ID:	0612221
Facility Type:	ER
DER Facility ID:	326602
Site ID:	377027
DEC Region:	3
Spill Date:	2007-02-06
Spill Number/Closed Date:	0612221 / 2007-02-20
Spill Cause:	Equipment Failure
Spill Class:	Possible release with minimal potential for fire or hazard or Known release with no damage. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	5608
Investigator:	JPCUMMIN
Referred To:	Not reported
Reported to Dept:	2007-02-06
CID:	408
Water Affected:	Not reported
Spill Source:	Gasoline Station or other PBS Facility
Spill Notifier:	DEC
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported

SUNOCO FOOD MART (Continued) **U000381523**

Recommended Penalty:	False
UST Trust:	True
Remediation Phase:	0
Date Entered In Computer:	2007-02-06
Spill Record Last Update:	2007-02-20
Spiller Name:	JOSHUA CUMMINS
Spiller Company:	BROADWAY CITGO
Spiller Address:	675 BROADWAY
Spiller City,St,Zip:	KINGSTON, NY 12401
Spiller Company:	001
Contact Name:	JOSHUA CUMMINS
Contact Phone:	(845) 256-3166
DEC Memo:	"DURING INSPECTION, NOTICED SOME DRIPPING & ACCUMULATED PRODUCT AROUND FILTER. PIPE ALSO VERY WET WITH PRODUCT. ADVISED OPERATOR TO PUT DISPENSER OUT OF ORDER UNTIL FIXED. Based on follow up inspection and conference, leak has been repaired. jc"
Remarks:	"PBS No: 3-497509 HAS NOT YET BEEN CLEANED;"

Material:

Site ID:	377027
Operable Unit ID:	1134580
Operable Unit:	01
Material ID:	2124454
Material Code:	0009
Material Name:	gasoline
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	Not reported
Units:	Gallons
Recovered:	.00
Resource Affected:	Not reported
Oxygenate:	Not reported

Tank Test:

Facility ID:	9903086
Facility Type:	ER
DER Facility ID:	106565
Site ID:	122940
DEC Region:	3
Spill Date:	1999-06-17
Spill Number/Closed Date:	9903086 / Not Reported
Spill Cause:	Equipment Failure
Spill Class:	Not reported
SWIS:	5630
Investigator:	MXTIPPLE
Referred To:	Not reported
Reported to Dept:	1999-06-17
CID:	270
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Affected Persons
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False

SUNOCO FOOD MART (Continued) **U000381523**

UST Trust:	False
Remediation Phase:	4
Date Entered In Computer:	1999-06-17
Spill Record Last Update:	2017-05-12
Spiller Name:	THOMAS MICHAEL
Spiller Company:	MID VALLEY OIL
Spiller Address:	1 SOUTH WATER ST
Spiller City,St,Zip:	NEWBURGH, NY 12550-
Spiller Company:	001
Contact Name:	CALLER
Contact Phone:	(914) 561-4019
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was TRAVER 6/17/99 DOING STATION UPGRADE FOUND LEAK FROM PUMP FILTERS; EXCAVATED SOIL & WILL SAMPLE; REPORT DUE AT DEC WITHIN 30 DAYS File review needed. 6/22/10 DT 12/24/2015 -- PBS follow up warranted. Lead change to MT. ELM 5/12/17 RP letter sent to Mr. Virk requesting work to be completed or documentation the work has been completed. Three 8k tanks installed in 1981, upgrades to completed 1999 when this spill initially called in. mt"
Remarks:	"CALLER DISCOVERED SOME CONTAMINATION UNDER SOME PUMPS"

Material:

Site ID:	122940
Operable Unit ID:	1082016
Operable Unit:	01
Material ID:	303011
Material Code:	0009
Material Name:	gasoline
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	Gallons
Recovered:	.00
Resource Affected:	Not reported
Oxygenate:	Not reported

Tank Test:

N56 **BROADWAY CITGO** **ICIS 1005882594**
West **675 BROADWAY** **FINDS N/A**
1/8-1/4 **KINGSTON, NY 12401** **ECHO**
0.196 mi.
1036 ft. **Site 2 of 6 in cluster N**

Relative:
Lower

Actual:
180 ft.

ICIS:

Enforcement Action ID:	02-2001-7501
FRS ID:	110010605639
Action Name:	MID VALLEY OIL COMPANY INC
Facility Name:	BROADWAY CITGO
Facility Address:	675 BROADWAY KINGSTON, NY 12401
Enforcement Action Type:	RCRA 9006 AO For Comp And/Or Pen (UST)
Facility County:	ULSTER
Program System Acronym:	ICIS
Enforcement Action Forum Desc:	Administrative - Formal
EA Type Code:	9006
Facility SIC Code:	5541

BROADWAY CITGO (Continued) **1005882594**

Federal Facility ID: Not reported
Latitude in Decimal Degrees: 41.930696
Longitude in Decimal Degrees: -74.007523
Permit Type Desc: Not reported
Program System Acronym: 26193
Facility NAICS Code: Not reported
Tribal Land Code: Not reported

Facility Name: BROADWAY CITGO
Address: 675 BROADWAY
Tribal Indicator: N
Fed Facility: Not reported
NAIC Code: Not reported
SIC Code: 5541

Facility Name: BROADWAY CITGO
Address: 675 BROADWAY
Tribal Indicator: N
Fed Facility: Not reported
NAIC Code: Not reported
SIC Code: 5541

FINDS:

Registry ID: 110010605639

Environmental Interest/Information System
US EPA Assessment, Cleanup and Redevelopment Exchange System (ACRES) is an federal online database for Brownfields Grantees to electronically submit data directly to EPA.

ICIS (Integrated Compliance Information System) is the Integrated Compliance Information System and provides a database that, when complete, will contain integrated Enforcement and Compliance information across most of EPA's programs. The vision for ICIS is to replace EPA's independent databases that contain Enforcement data with a single repository for that information. Currently, ICIS contains all Federal Administrative and Judicial enforcement actions. This information is maintained in ICIS by EPA in the Regional offices and it Headquarters. A future release of ICIS will replace the Permit Compliance System (PCS) which supports the NPDES and will integrate that information with Federal actions already in the system. ICIS also has the capability to track other activities occurring in the Region that support Compliance and Enforcement programs. These include; Incident Tracking, Compliance Assistance, and Compliance Monitoring.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1005882594
Registry ID: 110010605639
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110010605639

O57 **CANFIELD MACHINE & TOOL CO** **RCRA NonGen / NLR** **1000229195**
ESE **17 DEDERICK ST** **FINDS** **NYD980533517**
1/8-1/4 **KINGSTON, NY 12401** **ECHO**
0.197 mi. **NY MANIFEST**
1042 ft. **Site 1 of 5 in cluster O**

Relative:
Higher

Actual:
190 ft.

RCRA NonGen / NLR:

Date form received by agency:	01/01/2007
Facility name:	CANFIELD MACHINE & TOOL CO
Facility address:	17 DEDERICK ST KINGSTON, NY 12401-3903
EPA ID:	NYD980533517
Mailing address:	DEDERICK ST KINGSTON, NY 12401
Contact:	Not reported
Contact address:	DEDERICK ST KINGSTON, NY 12401
Contact country:	US
Contact telephone:	Not reported
Contact email:	Not reported
EPA Region:	02
Land type:	Facility is not located on Indian land. Additional information is not known.
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	Not reported
Owner/operator address:	NOT REQUIRED NOT REQUIRED, WY 99999
Owner/operator country:	US
Owner/operator telephone:	212-555-1212
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	Not reported
Owner/operator address:	NOT REQUIRED NOT REQUIRED, WY 99999
Owner/operator country:	US
Owner/operator telephone:	212-555-1212
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No

CANFIELD MACHINE & TOOL CO (Continued) **1000229195**

Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Site name: CANFIELD MACHINE & TOOL CO
Classification: Not a generator, verified

Date form received by agency: 07/08/1999
Site name: CANFIELD MACHINE & TOOL CO
Classification: Not a generator, verified

Date form received by agency: 10/29/1981
Site name: CANFIELD MACHINE & TOOL CO
Classification: Large Quantity Generator

. Waste code: D002
. Waste name: CORROSIVE WASTE

Facility Has Received Notices of Violations:
Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 08/10/1989
Date achieved compliance: 10/23/1989
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 09/01/1989
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 04/14/1987
Date achieved compliance: 07/22/1987
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 05/11/1987
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

CANFIELD MACHINE & TOOL CO (Continued) **1000229195**

Evaluation Action Summary:
Evaluation date: 08/10/1989
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 10/23/1989
Evaluation lead agency: State

Evaluation date: 04/14/1987
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 07/22/1987
Evaluation lead agency: State

Evaluation date: 11/26/1984
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

FINDS:

Registry ID: 110004387128

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1000229195
Registry ID: 110004387128
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110004387128

NY MANIFEST:
Country: USA
EPA ID: NYD980533517
Facility Status: Not reported
Location Address 1: 17 DEDERICK STREET
Code: BP
Location Address 2: Not reported
Total Tanks: Not reported
Location City: KINGSTON
Location State: NY
Location Zip: 12401
Location Zip 4: Not reported

NY MANIFEST:
EPAID: NYD980533517
Mailing Name: CANFIELD MACHINE & TOOL
Mailing Contact: PETE SHULTS

CANFIELD MACHINE & TOOL CO (Continued) **1000229195**

Mailing Address 1:	17 DEDERICK STREET
Mailing Address 2:	Not reported
Mailing City:	KINGSTON
Mailing State:	NY
Mailing Zip:	12401
Mailing Zip 4:	Not reported
Mailing Country:	USA
Mailing Phone:	9143318400

NY MANIFEST:

Document ID:	NJA0841499
Manifest Status:	C
seq:	Not reported
Year:	1990
Trans1 State ID:	NJDEPS-81
Trans2 State ID:	Not reported
Generator Ship Date:	01/24/1990
Trans1 Recv Date:	01/24/1990
Trans2 Recv Date:	/ /
TSD Site Recv Date:	01/24/1990
Part A Recv Date:	02/07/1990
Part B Recv Date:	02/14/1990
Generator EPA ID:	NYD980533517
Trans1 EPA ID:	NJD156163438
Trans2 EPA ID:	Not reported
TSDF ID 1:	NJD002454544
TSDF ID 2:	Not reported
Manifest Tracking Number:	Not reported
Import Indicator:	Not reported
Export Indicator:	Not reported
Discr Quantity Indicator:	Not reported
Discr Type Indicator:	Not reported
Discr Residue Indicator:	Not reported
Discr Partial Reject Indicator:	Not reported
Discr Full Reject Indicator:	Not reported
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	Not reported
Waste Code:	F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	00330
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	006
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100

Click this hyperlink while viewing on your computer to access
22 additional NY_MANIFEST: record(s) in the EDR Site Report.

O58
ESE
1/8-1/4
0.197 mi.
1042 ft.

MICRO ELECTRONIC DEVICE SPECIALISTS INC
17 DEDERICK AVE
KINGSTON, NY 12401

Site 2 of 5 in cluster O

FINDS **1007775882**
N/A

Relative:
Higher

Actual:
190 ft.

FINDS:

Registry ID: 110019383344

Environmental Interest/Information System

FIS (New York - Facility Information System) is New York's Department of Environmental Conservation (DEC) information system for tracking environmental facility information found across the State.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

N59
West
1/8-1/4
0.201 mi.
1063 ft.

CASSA JOHN R
675 BROADWAY
KINGSTON, NY 12401

Site 3 of 6 in cluster N

EDR Hist Auto **1020854433**
N/A

Relative:
Lower

Actual:
180 ft.

EDR Hist Auto

Year:	Name:	Type:
1969	CASSA JOHN R	Gasoline Service Stations
1970	CASSA JOHN R	Gasoline Service Stations
1971	CASSA JOHN R	Gasoline Service Stations
1972	CASSA JOHN R	Gasoline Service Stations
1973	CASSA JOHN R	Gasoline Service Stations
1974	CASSA JOHN R	Gasoline Service Stations
1975	FREDERICKSON WILLIAM	Gasoline Service Stations
1975	CASSA JOHN R	Gasoline Service Stations
1976	FREDERICKSON WILLIAM	Gasoline Service Stations
1977	FREDERICKSON WILLIAM	Gasoline Service Stations
1977	ECKERT WALTER	Gasoline Service Stations
1978	ECKERT WALTER	Gasoline Service Stations
1978	FREDERICKSON WILLIAM	Gasoline Service Stations
1979	ECKERT WALTER	Gasoline Service Stations
1979	FREDERICKSON WILLIAM	Gasoline Service Stations
1980	ECKERT WALTER	Gasoline Service Stations
1980	FREDERICKSON WILLIAM	Gasoline Service Stations
1982	FREDERICKSON WILLIAM	Gasoline Service Stations
1982	ECKERT WALTER	Gasoline Service Stations
1983	ECKERT WALTER	Gasoline Service Stations
1983	FREDERICKSON WILLIAM	Gasoline Service Stations
1987	S P I PETROLEUM INC	Gasoline Service Stations
1988	S P I PETROLEUM INC	Gasoline Service Stations
1989	S P I PETROLEUM INC	Gasoline Service Stations, NEC
1990	S P I PETROLEUM INC	Gasoline Service Stations, NEC
1995	BROTHERS CONVENIENT MART INC	Convenience Stores
1996	BROTHERS CONVENIENT MART INC	Convenience Stores
1997	BROTHERS CONVENIENT MART INC	Convenience Stores
1998	BROTHERS CONVENIENT MART INC	Convenience Stores
1999	BROTHERS CONVENIENT MART INC	Convenience Stores
2000	BROTHERS CONVENIENT MART	Convenience Stores
2001	BROTHERS CONVENIENT MART	Convenience Stores

CASSA JOHN R (Continued) **1020854433**

2002	BROTHERS CONVENIENT MART	Convenience Stores
2003	BROTHERS CONVENIENT MART	Convenience Stores
2004	BROTHERS CONVENIENT MART	Convenience Stores
2005	BROTHERS CONVENIENT MART	Convenience Stores
2006	BROTHERS CONVENIENT MART	Convenience Stores
2007	BROTHERS CONVENIENT MART INC	Convenience Stores
2008	BROTHERS CONVENIENT MART INC	Convenience Stores
2009	BROTHERS CONVENIENT MART INC	Convenience Stores
2010	BROTHERS CONVENIENT MART INC	Convenience Stores

N60 **SUNOCO ON BROADWAY** **NY Spills** **S119029280**
West **675 BROADWAY (BY 587 AND BROADWAY)** **N/A**
1/8-1/4 **KINGSTON, NY**
0.201 mi.
1063 ft. **Site 4 of 6 in cluster N**

Relative:
Lower

Actual:
180 ft.

SPILLS:

Facility ID:	1609330
Facility Type:	ER
DER Facility ID:	491959
Site ID:	538111
DEC Region:	3
Spill Date:	2016-12-31
Spill Number/Closed Date:	1609330 / 2017-01-11
Spill Cause:	Equipment Failure
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	5608
Investigator:	KABROWNE
Referred To:	Not reported
Reported to Dept:	2017-01-06
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Gasoline Station or other PBS Facility
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2017-01-06
Spill Record Last Update:	2017-01-12
Spiller Name:	Not reported
Spiller Company:	sunoco
Spiller Address:	Not reported
Spiller City,St,Zip:	NY
Spiller Company:	999
Contact Name:	EDWARD MEYER
Contact Phone:	(845) 417-5179
DEC Memo:	"Spoke to caller who reports twice in past week the auto shut off on gas dispenser closest to Broadway does not shut off. Gasoline, some 1 gallon each time, had leaked to pavement and enters nearby storm drain. DT Called site and spoke to attendant. Told him why I was calling (leak from dispenser nozzle). he stated he did not know of leak and he could not help me. I then asked to speak/contact owner and he stated he did not have # for owner or anyone else to call and hung up. I then called owner # from PBS FIR and left message for

SUNOCO ON BROADWAY (Continued) **S119029280**

owner, Daljit. Received call from Poughkeepsie facility manager, Ron. He reported owner, Daljit, not available until Sunday. Advised Ron of report DEC received of leaking nozzle at Kingston facility. Ron will try to contact someone to look at/inspect. Received call later from site manager, Ranvar. He does not see any leaks/spills to ground near dispensers. He will check all nozzles to determine if any are malfunctioning. DT 1/11/17 - Inspected by D. Bendell, DEC, there is no spill. NFA. KAB"

Remarks: "continuous spill from lack of maintenance"

Material:

Site ID:	538111
Operable Unit ID:	1286718
Operable Unit:	01
Material ID:	2292347
Material Code:	0009
Material Name:	gasoline
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	Not reported
Units:	Not reported
Recovered:	Not reported
Resource Affected:	Not reported
Oxygenate:	Not reported

Tank Test:

61
NNW
1/8-1/4
0.203 mi.
1072 ft.

RESIDENCE **NY LTANKS** **S106719213**
188 TREMPER AVE **N/A**
KINGSTON, NY

Relative:
Lower

Actual:
181 ft.

LTANKS:

Site ID:	329180
Spill Number/Closed Date:	0308016 / 2003-11-18
Spill Date:	2003-10-16
Spill Cause:	Tank Overfill
Spill Source:	Tank Truck
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	False
SWIS:	5630
Investigator:	dxtraver
Referred To:	Not reported
Reported to Dept:	2003-10-29
CID:	282
Water Affected:	Not reported
Spill Notifier:	Responsible Party
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	2003-10-29
Spill Record Last Update:	2004-07-13
Spiller Name:	CALLER

RESIDENCE (Continued) **S106719213**

Spiller Company:	KINGSTON OIL
Spiller Address:	NORTH BROADWAY
Spiller City,St,Zip:	PORT EWEN, NY 12466-
Spiller County:	001
Spiller Contact:	JODI VOSBURG
Spiller Phone:	(845) 331-0772
Spiller Extention:	Not reported
DEC Region:	3
DER Facility ID:	264910
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was TRAVER 10/29/2003 SPILL ON CONCRETE WHICH HAS BEEN CLEANED UP BUT ODORS LINGER. MAY BE IN THE HOT AIR HEATING DUCTS. WILL CALL D. TRAVER WITH MORE INFO ABOUT THE PROBLEM. NYSDOH INSPECTED DUE TO POTENTIAL INDOOR AIR IMPACT. NO IMPACTS NOTED. NFA"
Remarks:	"TANK WAS OVERFILLED ON OCT 16 AND NOW THEY HAVE A IR QUALITY PROBLEM AT THE RESIDENCE SPILL WAS CLEANED UP ON OCT 16 "

Material:

Site ID:	329180
Operable Unit ID:	874360
Operable Unit:	01
Material ID:	501537
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	3.00
Units:	Gallons
Recovered:	3.00
Resource Affected:	Not reported
Oxygenate:	Not reported

Tank Test:

N62 **APPOLLONIA ARTHUR** **EDR Hist Auto** **1020265991**
West **BROADWAY & FRANKLIN** **N/A**
1/8-1/4 **KINGSTON, NY 12401**
0.214 mi.
1128 ft. **Site 5 of 6 in cluster N**

Relative: EDR Hist Auto
Lower

Actual: **180 ft.**

Year:	Name:	Type:
1972	APPOLLONIA ARTHUR	Gasoline Service Stations
1973	APPOLLONIA ARTHUR	Gasoline Service Stations
1974	APPOLLONIA ARTHUR	Gasoline Service Stations
1975	APPOLLONIA ARTHUR	Gasoline Service Stations
1976	APPOLLONIA ARTHUR	Gasoline Service Stations
1977	APPOLLONIA ARTHUR	Gasoline Service Stations
1978	APPOLLONIA ARTHUR	Gasoline Service Stations
1979	APPOLLONIA ARTHUR	Gasoline Service Stations
1980	APPOLLONIA ARTHUR	Gasoline Service Stations
1982	APPOLLONIA ARTHUR	Gasoline Service Stations
1983	APPOLLONIA ARTHUR	Gasoline Service Stations

N63 **2ND ON LEFT OFF BROADWAY** **NY Spills** **S102241569**
West **FRANKLIN ST** **N/A**
1/8-1/4 **KINGSTON, NY**
0.220 mi.
1164 ft. **Site 6 of 6 in cluster N**

Relative:
Lower

Actual:
180 ft.

SPILLS:

Facility ID:	9602065
Facility Type:	ER
DER Facility ID:	99138
Site ID:	113610
DEC Region:	3
Spill Date:	1996-05-09
Spill Number/Closed Date:	9602065 / 1996-05-13
Spill Cause:	Housekeeping
Spill Class:	Possible release with minimal potential for fire or hazard or Known release with no damage. No DEC Response. No corrective action required.
SWIS:	5630
Investigator:	RICCI
Referred To:	Not reported
Reported to Dept:	1996-05-13
CID:	322
Water Affected:	Not reported
Spill Source:	Private Dwelling
Spill Notifier:	Citizen
Cleanup Ceased:	Not reported
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	1996-05-13
Spill Record Last Update:	1996-05-30
Spiller Name:	Not reported
Spiller Company:	2ND ON LEFT OFF BROADWAY
Spiller Address:	FRANKLIN ST
Spiller City,St,Zip:	KINGSTON, ZZ
Spiller Company:	001
Contact Name:	Not reported
Contact Phone:	Not reported
DEC Memo:	""
Remarks:	"house is being renovated and the oil tank was removed - during removal - tank was punctured with a fork lift spilling oil "

Material:

Site ID:	113610
Operable Unit ID:	1033634
Operable Unit:	01
Material ID:	351861
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	275.00
Units:	Gallons
Recovered:	.00
Resource Affected:	Not reported
Oxygenate:	Not reported

2ND ON LEFT OFF BROADWAY (Continued) **S102241569**

Tank Test:

O64 **N&S KINGSTON** **NY UST** **U001842803**
ESE **25 DEDERICK ST** **N/A**
1/8-1/4 **KINGSTON, NY 12401**
0.220 mi.
1164 ft. **Site 3 of 5 in cluster O**

Relative:
Higher

Actual:
190 ft.

UST:

Id/Status:	3-138185 / Unregulated/Closed
Program Type:	PBS
Region:	STATE
DEC Region:	3
Expiration Date:	N/A
UTM X:	582892.62148
UTM Y:	4642302.22616
Site Type:	Other

Affiliation Records:

Site Id:	32117
Affiliation Type:	Facility Owner
Company Name:	N&S SUPPLY OF FISHKILL
Contact Type:	VP OPERATIONS
Contact Name:	WILLIAM HAIGHT
Address1:	205 OLD RT 9
Address2:	Not reported
City:	FISHKILL
State:	NY
Zip Code:	12524
Country Code:	001
Phone:	(845) 896-6291
EMail:	Not reported
Fax Number:	Not reported
Modified By:	CLJOHNSO
Date Last Modified:	2017-04-10

Site Id:	32117
Affiliation Type:	Mail Contact
Company Name:	N&S SUPPLY OF KINGSTON
Contact Type:	Not reported
Contact Name:	WILLIAM HAIGHT
Address1:	25 DEDERICK ST
Address2:	Not reported
City:	KINGSTON
State:	NY
Zip Code:	12401
Country Code:	001
Phone:	(845) 896-6291
EMail:	WHAIGHT@NSSUPPLY.COM
Fax Number:	Not reported
Modified By:	CLJOHNSO
Date Last Modified:	2017-05-04

Site Id:	32117
Affiliation Type:	Facility Operator
Company Name:	N&S KINGSTON
Contact Type:	Not reported

N&S KINGSTON (Continued) **U001842803**

Contact Name:	JOHN SHULTS
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(845) 331-6700
EMail:	Not reported
Fax Number:	Not reported
Modified By:	CLJOHNSO
Date Last Modified:	2017-05-04

Site Id:	32117
Affiliation Type:	Emergency Contact
Company Name:	N&S SUPPLY OF FISHKILL
Contact Type:	Not reported
Contact Name:	WILLIAM HAIGHT
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(845) 896-6291
EMail:	Not reported
Fax Number:	Not reported
Modified By:	CLJOHNSO
Date Last Modified:	2017-04-10

Tank Info:

Tank Number:	1
Tank ID:	70101
Tank Status:	Closed - Removed
Material Name:	Closed - Removed
Capacity Gallons:	2000
Install Date:	07/01/1959
Date Tank Closed:	12/01/1998
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0009
Common Name of Substance:	Gasoline

Tightness Test Method:	09
Date Test:	12/01/1987
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	TRANSLAT
Last Modified:	04/14/2017

Equipment Records:

A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
G00 - Tank Secondary Containment - None
J02 - Dispenser - Suction Dispenser

N&S KINGSTON (Continued) **U001842803**

B00 - Tank External Protection - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
H00 - Tank Leak Detection - None
I00 - Overfill - None

Tank Number: 2
Tank ID: 70102
Tank Status: Closed - Removed
Material Name: Closed - Removed
Capacity Gallons: 2000
Install Date: 06/01/1974
Date Tank Closed: 12/01/1998
Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 0009
Common Name of Substance: Gasoline

Tightness Test Method: 09
Date Test: 12/01/1987
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: TRANSLAT
Last Modified: 04/14/2017

Equipment Records:

H00 - Tank Leak Detection - None
I00 - Overfill - None
G00 - Tank Secondary Containment - None
J02 - Dispenser - Suction Dispenser
B00 - Tank External Protection - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron

Tank Number: 3
Tank ID: 81718
Tank Status: Closed - Removed
Material Name: Closed - Removed
Capacity Gallons: 2000
Install Date: Not reported
Date Tank Closed: 12/01/1998
Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 0009
Common Name of Substance: Gasoline

Tightness Test Method: 00
Date Test: 05/01/1997
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: TRANSLAT
Last Modified: 04/14/2017

N&S KINGSTON (Continued) **U001842803**

Equipment Records:

H00 - Tank Leak Detection - None
I00 - Overfill - None
G00 - Tank Secondary Containment - None
J00 - Dispenser - None
D00 - Pipe Type - No Piping
B00 - Tank External Protection - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
A00 - Tank Internal Protection - None

Tank Number:	4
Tank ID:	81719
Tank Status:	Closed - Removed
Material Name:	Closed - Removed
Capacity Gallons:	4000
Install Date:	06/01/1974
Date Tank Closed:	06/29/2017
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)
Tightness Test Method:	-
Date Test:	Not reported
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	ELMOORE
Last Modified:	07/19/2017

Equipment Records:

J00 - Dispenser - None
G00 - Tank Secondary Containment - None
B00 - Tank External Protection - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
A00 - Tank Internal Protection - None
H00 - Tank Leak Detection - None
I00 - Overfill - None
D00 - Pipe Type - No Piping

Tank Number:	5
Tank ID:	81758
Tank Status:	Closed - Removed
Material Name:	Closed - Removed
Capacity Gallons:	2000
Install Date:	Not reported
Date Tank Closed:	12/01/1998
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)

N&S KINGSTON (Continued) **U001842803**

Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: TRANSLAT
Last Modified: 04/14/2017

Equipment Records:

B00 - Tank External Protection - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
D00 - Pipe Type - No Piping
H00 - Tank Leak Detection - None
I00 - Overfill - None
G00 - Tank Secondary Containment - None
A00 - Tank Internal Protection - None

O65 **PARKING LOT** **NY Spills** **S102241187**
ESE **25 DEDERICK ST** **N/A**
1/8-1/4 **KINGSTON, NY**
0.220 mi.
1164 ft. **Site 4 of 5 in cluster O**

Relative:
Higher

Actual:
190 ft.

SPILLS:

Facility ID: 9515547
Facility Type: ER
DER Facility ID: 245357
Site ID: 303693
DEC Region: 3
Spill Date: 1996-03-04
Spill Number/Closed Date: 9515547 / 1996-03-04
Spill Cause: Unknown
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS: 5630
Investigator: RICCI
Referred To: Not reported
Reported to Dept: 1996-03-04
CID: 205
Water Affected: Not reported
Spill Source: Institutional, Educational, Gov., Other
Spill Notifier: Responsible Party
Cleanup Ceased: Not reported
Cleanup Meets Std: True
Last Inspection: Not reported
Recommended Penalty: False
UST Trust: False
Remediation Phase: 0
Date Entered In Computer: 1996-03-04
Spill Record Last Update: 1996-03-11
Spiller Name: UNKNOWN
Spiller Company: UNKNOWN
Spiller Address: Not reported
Spiller City,St,Zip: ***UPDATE***, NY
Spiller Company: 001
Contact Name: JOHN SHULTS
Contact Phone: (914) 331-6700
DEC Memo: ""

PARKING LOT (Continued) **S102241187**

Remarks: "unk petro on parking lot."

Material:
Site ID: 303693
Operable Unit ID: 1030199
Operable Unit: 01
Material ID: 355668
Material Code: 0066A
Material Name: unknown petroleum
Case No.: Not reported
Material FA: Petroleum
Quantity: .00
Units: Gallons
Recovered: .00
Resource Affected: Not reported
Oxygenate: Not reported

Tank Test:

O66 **A & H AUTOMOTIVE INC** **EDR Hist Auto** **1021280429**
ESE **13 DEDERICK ST** **N/A**
1/8-1/4 **KINGSTON, NY 12401**
0.221 mi.
1167 ft. **Site 5 of 5 in cluster O**

Relative:
Higher

EDR Hist Auto

Actual:
190 ft.

Year:	Name:	Type:
2001	A & H AUTOMOTIVE INC	General Automotive Repair Shops
2002	A & H AUTOMOTIVE INC	General Automotive Repair Shops
2003	A & H AUTOMOTIVE INC	General Automotive Repair Shops
2004	A & H AUTOMOTIVE INC	General Automotive Repair Shops
2005	A & H AUTOMOTIVE INC	General Automotive Repair Shops
2006	A & H AUTOMOTIVE INC	General Automotive Repair Shops
2007	A & H AUTOMOTIVE INC	General Automotive Repair Shops
2008	A & H AUTOMOTIVE INC	General Automotive Repair Shops
2009	A & H AUTOMOTIVE INC	General Automotive Repair Shops
2010	A & H AUTOMOTIVE INC	General Automotive Repair Shops
2011	A & H AUTOMOTIVE INC	General Automotive Repair Shops
2012	A & H AUTOMOTIVE INC	General Automotive Repair Shops
2013	A & H AUTOMOTIVE INC	General Automotive Repair Shops
2014	A & H AUTOMOTIVE INC	General Automotive Repair Shops

P67 **ERNS** **93161842**
WNW **14 ELMENDORF ST** **N/A**
1/8-1/4 **KINGSTON, NY 12401**
0.223 mi.
1179 ft. **Site 1 of 2 in cluster P**

Relative:
Lower

Click this hyperlink while viewing on your computer to access additional ERNS detail in the EDR Site Report.

Actual:
179 ft.

P68 **RESIDENTIAL HOME** **NY Spills** **S109060846**
WNW **14 ELMDORF ST** **N/A**
1/8-1/4 **KINGSTON, NY**
0.223 mi.
1179 ft. **Site 2 of 2 in cluster P**

Relative:
Lower

Actual:
179 ft.

SPILLS:

Facility ID:	0713475
Facility Type:	ER
DER Facility ID:	344760
Site ID:	395233
DEC Region:	3
Spill Date:	2008-03-20
Spill Number/Closed Date:	0713475 / 2008-03-21
Spill Cause:	Other
Spill Class:	Not reported
SWIS:	5630
Investigator:	mbmastro
Referred To:	Not reported
Reported to Dept:	2008-03-20
CID:	81
Water Affected:	Not reported
Spill Source:	Private Dwelling
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	Not reported
Remediation Phase:	0
Date Entered In Computer:	2008-03-20
Spill Record Last Update:	2008-03-25
Spiller Name:	Not reported
Spiller Company:	UNKNOWN
Spiller Address:	Not reported
Spiller City,St,Zip:	NY
Spiller Company:	999
Contact Name:	DENNIS WILLIMAS
Contact Phone:	(845) 532-7709
DEC Memo:	"Caller claims his neighbor is removing asbestos siding from his house and putting it into a dumpster. 3/24/08 Spill refered to Solid & Haz Waste on Friday, 3/21/08. jc"
Remarks:	"Asbestos siding came off today, placed in dumpster uncovered. Workers were not wearing respirators. Would like to be contacted tonight."

Material:

Site ID:	395233
Operable Unit ID:	1152172
Operable Unit:	01
Material ID:	2142949
Material Code:	0026A
Material Name:	asbestos
Case No.:	01332214
Material FA:	Hazardous Material
Quantity:	Not reported
Units:	Gallons
Recovered:	.00
Resource Affected:	Not reported
Oxygenate:	Not reported

RESIDENTIAL HOME (Continued) **S109060846**

Tank Test:

69
NNW
1/8-1/4
0.226 mi.
1191 ft.

L C AUTOMOTIVE **EDR Hist Auto** **1021625150**
198 TREMPER AVE **N/A**
KINGSTON, NY 12401

Relative:
Lower

Actual:
181 ft.

EDR Hist Auto

Year:	Name:	Type:
1997	L C AUTOMOTIVE	General Automotive Repair Shops

Q70
NW
1/8-1/4
0.230 mi.
1212 ft.

KOTZIAS RESIDENCE **NY Spills** **S102109067**
65 ELMENDORE ST. **N/A**
KINGSTON, NY

Site 1 of 2 in cluster Q

Relative:
Lower

Actual:
179 ft.

SPILLS:

Facility ID:	9310669
Facility Type:	ER
DER Facility ID:	208065
Site ID:	254028
DEC Region:	3
Spill Date:	1993-12-02
Spill Number/Closed Date:	9310669 / 1993-12-02
Spill Cause:	Equipment Failure
Spill Class:	Possible release with minimal potential for fire or hazard or Known release with no damage. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	5630
Investigator:	RICCI
Referred To:	Not reported
Reported to Dept:	1993-12-02
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Private Dwelling
Spill Notifier:	Other
Cleanup Ceased:	1993-01-03
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	Not reported
Spill Record Last Update:	2003-12-02
Spiller Name:	Not reported
Spiller Company:	SAME
Spiller Address:	Not reported
Spiller City,St,Zip:	NY
Spiller Company:	999
Contact Name:	Not reported
Contact Phone:	Not reported
DEC Memo:	"Administratively closed due to file review and/or information

KOTZIAS RESIDENCE (Continued) **S102109067**

received. If new information arises to contradict this determination DEC reserves the right to reopen this spill without prejudice. "

Remarks: "OIL LINE FITTING LOOSE ABSORBENT APPLIED NO CALL BACK"

Material:

Site ID:	254028
Operable Unit ID:	989475
Operable Unit:	01
Material ID:	389754
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	5.00
Units:	Gallons
Recovered:	.00
Resource Affected:	Not reported
Oxygenate:	Not reported

Tank Test:

R71 **KINGSTON YMCA** **NY LTANKS** **S100140231**
SE **507 BROADWAY** **N/A**
1/8-1/4 **KINGSTON, NY**
0.230 mi.
1216 ft. **Site 1 of 3 in cluster R**

Relative:
Higher

Actual:
186 ft.

LTANKS:

Site ID:	101334
Spill Number/Closed Date:	8707032 / 1989-01-05
Spill Date:	1987-11-17
Spill Cause:	Tank Failure
Spill Source:	Institutional, Educational, Gov., Other
Spill Class:	Not reported
Cleanup Ceased:	1989-01-05
Cleanup Meets Standard:	True
SWIS:	5630
Investigator:	jeokesso
Referred To:	Not reported
Reported to Dept:	1987-11-17
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	1989-01-05
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	1987-11-20
Spill Record Last Update:	1989-01-12
Spiller Name:	Not reported
Spiller Company:	SAME
Spiller Address:	CONTACT:BOB STUBBS
Spiller City,St,Zip:	ZZ
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported

KINGSTON YMCA (Continued) **S100140231**

DEC Region: 3
DER Facility ID: 89795
DEC Memo: "Prior to Sept, 2004 data translation this spill Lead_DEC Field was OKESSON "
Remarks: "20K SYSTEM -.212GPH. MAY ISOLATE AND RETEST OR TO #5.PBS TO FOLLOW"

Material:
Site ID: 101334
Operable Unit ID: 910916
Operable Unit: 01
Material ID: 466013
Material Code: 0002A
Material Name: #4 fuel oil
Case No.: Not reported
Material FA: Petroleum
Quantity: .00
Units: Not reported
Recovered: .00
Resource Affected: Not reported
Oxygenate: Not reported

Tank Test:
Site ID: 101334
Spill Tank Test: 1532307
Tank Number: Not reported
Tank Size: 0
Test Method: 00
Leak Rate: .00
Gross Fail: Not reported
Modified By: Spills
Last Modified: Not reported
Test Method: Unknown

R72 **YMCA OF KINGSTON AND ULSTER CO** **NY UST** **U004078941**
SE **507 BROADWAY** **N/A**
1/8-1/4 **KINGSTON, NY 12401**
0.230 mi.
1216 ft. **Site 2 of 3 in cluster R**

Relative:
Higher

Actual:
186 ft.

UST:
Id/Status: 3-025518 / Active
Program Type: PBS
Region: STATE
DEC Region: 3
Expiration Date: 10/29/2017
UTM X: 582841.90856
UTM Y: 4642244.91184
Site Type: Other

Affiliation Records:
Site Id: 31552
Affiliation Type: Facility Owner
Company Name: YMCA OF KINGSTON AND ULSTER CO
Contact Type: PRESIDENT/CEO
Contact Name: HEIDI G. KIRSCHNER
Address1: 507 BROADWAY

YMCA OF KINGSTON AND ULSTER CO (Continued) **U004078941**

Address2:	Not reported
City:	KINGSTON
State:	NY
Zip Code:	12401
Country Code:	001
Phone:	(845) 338-3810
EMail:	Not reported
Fax Number:	Not reported
Modified By:	BHYUKOWE
Date Last Modified:	2013-05-29

Site Id:	31552
Affiliation Type:	Mail Contact
Company Name:	YMCA OF KINGSTON AND ULSTER CO
Contact Type:	Not reported
Contact Name:	RAYMOND E. SMITH
Address1:	507 BROADWAY
Address2:	Not reported
City:	KINGSTON
State:	NY
Zip Code:	12401
Country Code:	001
Phone:	(845) 338-3810
EMail:	RSMITHATYMCAULSTER.ORG
Fax Number:	Not reported
Modified By:	BHYUKOWE
Date Last Modified:	2013-05-29

Site Id:	31552
Affiliation Type:	Facility Operator
Company Name:	YMCA OF KINGSTON AND ULSTER CO
Contact Type:	Not reported
Contact Name:	YMCA OF KINGSTON AND ULSTER CO
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(845) 338-3810
EMail:	Not reported
Fax Number:	Not reported
Modified By:	BHYUKOWE
Date Last Modified:	2013-05-29

Site Id:	31552
Affiliation Type:	Emergency Contact
Company Name:	YMCA OF KINGSTON AND ULSTER CO
Contact Type:	Not reported
Contact Name:	RAYMOND E. SMITH
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(845) 706-1783

YMCA OF KINGSTON AND ULSTER CO (Continued) **U004078941**

EMail:	Not reported
Fax Number:	Not reported
Modified By:	BHYUKOWE
Date Last Modified:	2013-05-29

Tank Info:

Tank Number:	1
Tank ID:	73543
Tank Status:	Closed - Removed
Material Name:	Closed - Removed
Capacity Gallons:	20000
Install Date:	12/01/1971
Date Tank Closed:	11/01/1992
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)
Tightness Test Method:	03
Date Test:	11/01/1987
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	TRANSLAT
Last Modified:	04/14/2017

Equipment Records:

G00 - Tank Secondary Containment - None
J02 - Dispenser - Suction Dispenser
F00 - Pipe External Protection - None
B00 - Tank External Protection - None
C00 - Pipe Location - No Piping
H00 - Tank Leak Detection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
A00 - Tank Internal Protection - None
I04 - Overfill - Product Level Gauge (A/G)

R73 **YMCA OF KINGSTON AND ULSTER CO** **NY AST** **U003075519**
SE **507 BROADWAY** **N/A**
1/8-1/4 **KINGSTON, NY 12401**
0.230 mi.
1216 ft. **Site 3 of 3 in cluster R**

Relative:
Higher

Actual:
186 ft.

AST:

Region:	STATE
DEC Region:	3
Site Status:	Active
Facility Id:	3-025518
Program Type:	PBS
UTM X:	582841.90856
UTM Y:	4642244.91184
Expiration Date:	10/29/2017
Site Type:	Other

Affiliation Records:

Site Id:	31552
Affiliation Type:	Facility Owner

YMCA OF KINGSTON AND ULSTER CO (Continued) **U003075519**

Company Name:	YMCA OF KINGSTON AND ULSTER CO
Contact Type:	PRESIDENT/CEO
Contact Name:	HEIDI G. KIRSCHNER
Address1:	507 BROADWAY
Address2:	Not reported
City:	KINGSTON
State:	NY
Zip Code:	12401
Country Code:	001
Phone:	(845) 338-3810
EMail:	Not reported
Fax Number:	Not reported
Modified By:	BHYUKOWE
Date Last Modified:	2013-05-29

Site Id:	31552
Affiliation Type:	Mail Contact
Company Name:	YMCA OF KINGSTON AND ULSTER CO
Contact Type:	Not reported
Contact Name:	RAYMOND E. SMITH
Address1:	507 BROADWAY
Address2:	Not reported
City:	KINGSTON
State:	NY
Zip Code:	12401
Country Code:	001
Phone:	(845) 338-3810
EMail:	RSMITHATYMCAULSTER.ORG
Fax Number:	Not reported
Modified By:	BHYUKOWE
Date Last Modified:	2013-05-29

Site Id:	31552
Affiliation Type:	Facility Operator
Company Name:	YMCA OF KINGSTON AND ULSTER CO
Contact Type:	Not reported
Contact Name:	YMCA OF KINGSTON AND ULSTER CO
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(845) 338-3810
EMail:	Not reported
Fax Number:	Not reported
Modified By:	BHYUKOWE
Date Last Modified:	2013-05-29

Site Id:	31552
Affiliation Type:	Emergency Contact
Company Name:	YMCA OF KINGSTON AND ULSTER CO
Contact Type:	Not reported
Contact Name:	RAYMOND E. SMITH
Address1:	Not reported
Address2:	Not reported
City:	Not reported

YMCA OF KINGSTON AND ULSTER CO (Continued) **U003075519**

State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(845) 706-1783
EMail:	Not reported
Fax Number:	Not reported
Modified By:	BHYUKOWE
Date Last Modified:	2013-05-29

Tank Info:

Tank Number:	2
Tank Id:	77914
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)

Equipment Records:

J02 - Dispenser - Suction Dispenser
F00 - Pipe External Protection - None
B00 - Tank External Protection - None
C00 - Pipe Location - No Piping
K01 - Spill Prevention - Catch Basin
L09 - Piping Leak Detection - Exempt Suction Piping
H00 - Tank Leak Detection - None
I00 - Overfill - None
A00 - Tank Internal Protection - None
G01 - Tank Secondary Containment - Diking (Aboveground)
D10 - Pipe Type - Copper

Tank Location:	3
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	11/01/1992
Capacity Gallons:	2000
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	BHYUKOWE
Last Modified:	04/14/2017
Material Name:	Not reported

S74 **VERIZON** **NY Spills** **S102107776**
NE **85 BRUYN AVE** **N/A**
1/8-1/4 **KINGSTON, NY**
0.233 mi.
1228 ft. **Site 1 of 4 in cluster S**

Relative: Higher

Actual: 184 ft.

SPILLS:

Facility ID:	0403151
Facility Type:	ER
DER Facility ID:	250725
Site ID:	310619
DEC Region:	3
Spill Date:	2004-06-22
Spill Number/Closed Date:	0403151 / 2004-06-24

VERIZON (Continued) **S102107776**

Spill Cause:	Other
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	5630
Investigator:	dxtraver
Referred To:	Not reported
Reported to Dept:	2004-06-22
CID:	403
Water Affected:	Not reported
Spill Source:	Commercial Vehicle
Spill Notifier:	Citizen
Cleanup Ceased:	Not reported
Cleanup Meets Std:	True
Last Inspection:	2004-06-23
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2004-06-22
Spill Record Last Update:	2004-07-08
Spiller Name:	JOHN BAHRUTH
Spiller Company:	VERIZON
Spiller Address:	85 BRUYN AVE
Spiller City,St,Zip:	KINGSTON, NY
Spiller Company:	001
Contact Name:	JOHN BAHRUTH
Contact Phone:	(845) 338-9990
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was TRAVER 6/23: Site inspection. Clean Harbors on scene cleaning up floor in maintenance shop where o/w seperator overflowed. No evidence of overflow leaving building. o/w seperator discharges to sanitary sewer. Notified C/Kingston of connection. NFA "
Remarks:	"company was trying to unplug drain when the drain got backed up and started to flow out. oil came out of the oil water seperater and the water washed it back down the drain."

Material:

Site ID:	310619
Operable Unit ID:	886623
Operable Unit:	01
Material ID:	490746
Material Code:	0015
Material Name:	motor oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	Pounds
Recovered:	.00
Resource Affected:	Not reported
Oxygenate:	Not reported

Tank Test:

Facility ID:	9709884
Facility Type:	ER
DER Facility ID:	250725
Site ID:	310620

VERIZON (Continued) **S102107776**

DEC Region:	3
Spill Date:	1997-11-25
Spill Number/Closed Date:	9709884 / 1997-11-25
Spill Cause:	Equipment Failure
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	5630
Investigator:	RICCI
Referred To:	Not reported
Reported to Dept:	1997-11-25
CID:	369
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	1997-11-25
Spill Record Last Update:	1998-01-06
Spiller Name:	LARRY DANNER
Spiller Company:	BELL ATLANTIC
Spiller Address:	85 BRUYN AVE
Spiller City,St,Zip:	KINGSTON, NY
Spiller Company:	001
Contact Name:	LARRY DANNER
Contact Phone:	(914) 339-6761
DEC Memo:	""
Remarks:	"spill to parking lot-contained and in process of cleaning-all expected to be recovereed"

Material:

Site ID:	310620
Operable Unit ID:	1052929
Operable Unit:	01
Material ID:	328213
Material Code:	0010
Material Name:	hydraulic oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	10.00
Units:	Gallons
Recovered:	10.00
Resource Affected:	Not reported
Oxygenate:	Not reported

Tank Test:

Facility ID:	9002070
Facility Type:	ER
DER Facility ID:	70157
Site ID:	74857
DEC Region:	3
Spill Date:	1990-05-23

VERIZON (Continued) **S102107776**

Spill Number/Closed Date:	9002070 / 1990-05-23
Spill Cause:	Human Error
Spill Class:	Not reported
SWIS:	5630
Investigator:	DVWEHRFR
Referred To:	Not reported
Reported to Dept:	1990-05-23
CID:	Not reported
Water Affected:	HUDSON RIVER
Spill Source:	Commercial/Industrial
Spill Notifier:	Federal Government
Cleanup Ceased:	1990-05-23
Cleanup Meets Std:	True
Last Inspection:	1990-05-23
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	1990-05-24
Spill Record Last Update:	1990-06-26
Spiller Name:	Not reported
Spiller Company:	SAME
Spiller Address:	Not reported
Spiller City,St,Zip:	NY
Spiller Company:	999
Contact Name:	Not reported
Contact Phone:	Not reported
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was WEHRFRITZ "
Remarks:	"ONE 55 GAL DRUM FELL OFF TRUCK WASHED DOWN STORM SEWER NO NOTIFICATIONDEC WILL INVESTIGATE"

Material:

Site ID:	74857
Operable Unit ID:	940195
Operable Unit:	01
Material ID:	436834
Material Code:	0066A
Material Name:	unknown petroleum
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	Not reported
Recovered:	.00
Resource Affected:	Not reported
Oxygenate:	Not reported
Site ID:	74857
Operable Unit ID:	940195
Operable Unit:	01
Material ID:	436833
Material Code:	0021
Material Name:	transmission fluid
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	Not reported
Recovered:	.00
Resource Affected:	Not reported
Oxygenate:	Not reported

VERIZON (Continued) **S102107776**

Tank Test:

S75 **VERIZON NEW YORK, INC. (NY99509)** **NY UST** **U004198935**
NE **85 BRUYN AVE** **N/A**
1/8-1/4 **KINGSTON, NY 12401**
0.233 mi.
1228 ft. **Site 2 of 4 in cluster S**

Relative:
Higher

Actual:
184 ft.

UST:

Id/Status:	3-184330 / Unregulated/Closed
Program Type:	PBS
Region:	STATE
DEC Region:	3
Expiration Date:	N/A
UTM X:	582843.47256
UTM Y:	4642794.82767
Site Type:	Utility (Other than Municipal)

Tank Info:

Tank Number:	1
Tank ID:	73171
Tank Status:	Closed - Removed
Material Name:	Closed - Removed
Capacity Gallons:	1000
Install Date:	Not reported
Date Tank Closed:	02/01/1991
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	TRANSLAT
Last Modified:	04/14/2017

Tank Number:	2
Tank ID:	73172
Tank Status:	Closed - Removed
Material Name:	Closed - Removed
Capacity Gallons:	4000
Install Date:	Not reported
Date Tank Closed:	08/01/1995
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	TRANSLAT
Last Modified:	04/14/2017

Tank Number: 4

VERIZON NEW YORK, INC. (NY99509) (Continued) **U004198935**

Tank ID:	76963
Tank Status:	Closed - Removed
Material Name:	Closed - Removed
Capacity Gallons:	2000
Install Date:	02/01/1991
Date Tank Closed:	04/17/2003
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Tightness Test Method:	01
Date Test:	03/01/1991
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	BHYUKOWE
Last Modified:	04/14/2017

S76 **ERNS** **9023331**
NE **85 BRUYN AVE** **N/A**
1/8-1/4 **KINGSTON, NY 12401**
0.233 mi.
1228 ft. **Site 3 of 4 in cluster S**

Relative:
Higher

Click this hyperlink while viewing on your computer to access additional ERNS detail in the EDR Site Report.

Actual:
184 ft.

S77 **VERIZON NEW YORK, INC. (NY99509)** **NY AST** **A100382468**
NE **85 BRUYN AVE** **N/A**
1/8-1/4 **KINGSTON, NY 12401**
0.233 mi.
1228 ft. **Site 4 of 4 in cluster S**

Relative:
Higher

Actual:
184 ft.

AST:

Region:	STATE
DEC Region:	3
Site Status:	Unregulated/Closed
Facility Id:	3-184330
Program Type:	PBS
UTM X:	582843.47256
UTM Y:	4642794.82767
Expiration Date:	N/A
Site Type:	Utility (Other than Municipal)

Tank Info:

Tank Number:	3
Tank Id:	73173
Tank Location:	1
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	Closed - Removed
Pipe Model:	Not reported
Install Date:	Not reported
Capacity Gallons:	550
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	02/01/1991
Register:	True

VERIZON NEW YORK, INC. (NY99509) (Continued) **A100382468**

Modified By: TRANSLAT
Last Modified: 04/14/2017
Material Name: Not reported

78
NNE
1/8-1/4
0.233 mi.
1232 ft.

NY TELE.
BRUYN AVE.
KINGSTON, NY

NY LTANKS **S101340512**
N/A

Relative:
Lower

Actual:
180 ft.

LTANKS:

Site ID:	245714
Spill Number/Closed Date:	9413239 / 1997-03-19
Spill Date:	1995-01-04
Spill Cause:	Tank Failure
Spill Source:	Commercial/Industrial
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	True
SWIS:	5630
Investigator:	RICCI
Referred To:	Not reported
Reported to Dept:	1995-01-04
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Other
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	True
Remediation Phase:	0
Date Entered In Computer:	1995-01-18
Spill Record Last Update:	1997-04-02
Spiller Name:	Not reported
Spiller Company:	SAME
Spiller Address:	Not reported
Spiller City,St,Zip:	NY
Spiller County:	999
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	3
DER Facility ID:	201772
DEC Memo:	""
Remarks:	"REMOVING TANKS FOUND SOIL CONTAMINATED"

Material:

Site ID:	245714
Operable Unit ID:	1006896
Operable Unit:	01
Material ID:	371986
Material Code:	0008
Material Name:	diesel
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	Pounds

NY TELE. (Continued) **S101340512**

Recovered: .00
Resource Affected: Not reported
Oxygenate: Not reported

Tank Test:

79
WSW
1/8-1/4
0.234 mi.
1234 ft.

Relative:
Higher

Actual:
182 ft.

RESI: JOHNSON **NY Spills** **S104510980**
63 HENRY ST **N/A**
KINGSTON, NY

SPILLS:
Facility ID: 9914308
Facility Type: ER
DER Facility ID: 224779
Site ID: 276476
DEC Region: 3
Spill Date: 2000-03-19
Spill Number/Closed Date: 9914308 / 2000-03-20
Spill Cause: Other
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS: 5630
Investigator: tdghiosa
Referred To: Not reported
Reported to Dept: 2000-03-20
CID: 323
Water Affected: Not reported
Spill Source: Private Dwelling
Spill Notifier: Other
Cleanup Ceased: Not reported
Cleanup Meets Std: True
Last Inspection: Not reported
Recommended Penalty: False
UST Trust: False
Remediation Phase: 0
Date Entered In Computer: 2000-03-20
Spill Record Last Update: 2000-03-24
Spiller Name: MR. KAHN
Spiller Company: SUNSHINE FUELS
Spiller Address: Not reported
Spiller City,St,Zip: ZZ
Spiller Company: 001
Contact Name: GLORIA JOHNSON
Contact Phone: (914) 679-9194
DEC Memo: "Prior to Sept, 2004 data translation this spill Lead_DEC Field was GHIOSAY 03/20/2000 SUNSHINE FUEL CLEANUP CREW ON SITE CLEANING UP; NFA"
Remarks: "APPEARS WHEN THE TANK WAS FILLED YESTERDAY THEY FILLED IT TOO FAST AND THE SPILL OCCURED. FD ON SCENE PLACED PADS DOWN."

Material:
Site ID: 276476
Operable Unit ID: 1092454
Operable Unit: 01
Material ID: 292590

RESI: JOHNSON (Continued) **S104510980**

Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	1.00
Units:	Gallons
Recovered:	1.00
Resource Affected:	Not reported
Oxygenate:	Not reported

Tank Test:

80
WSW
1/8-1/4
0.234 mi.
1236 ft.

66 HENRY ST CORP **EDR Hist Auto** **1020209548**
66 HENRY ST **N/A**
KINGSTON, NY 12401

Relative:
Higher

Actual:
182 ft.

EDR Hist Auto

Year:	Name:	Type:
2001	66 HENRY ST CORP	Gasoline Service Stations, NEC
2002	66 HENRY ST CORP	Gasoline Service Stations, NEC
2003	66 HENRY ST CORP	Gasoline Service Stations, NEC
2004	66 HENRY ST CORP	Gasoline Service Stations, NEC
2005	66 HENRY ST CORP	Gasoline Service Stations, NEC

T81
West
1/8-1/4
0.235 mi.
1239 ft.

NATIONAL MUFFLER CTR KING* **EDR Hist Auto** **1022094243**
685 BROADWAY **N/A**
KINGSTON, NY 12401

Site 1 of 2 in cluster T

Relative:
Lower

Actual:
181 ft.

EDR Hist Auto

Year:	Name:	Type:
1977	NATIONAL MUFFLER CTR INC N Y	Automotive Repair Shops, NEC
1978	NATIONAL MUFFLER CTR INC N Y	Automotive Repair Shops, NEC
1979	NATIONAL MUFFLER CTR KING*	Automotive Repair Shops, NEC
1980	NATIONAL MUFFLER CTR KING*	Automotive Repair Shops, NEC
1982	NATIONAL MUFFLER CTR KING*	Automotive Repair Shops, NEC
1983	NATIONAL MUFFLER CTR KING*	Automotive Repair Shops, NEC
1985	NATIONAL MUFFLER CTR KING*	Automotive Repair Shops, NEC
1986	NATIONAL MUFFLER CTR KING*	Automotive Repair Shops, NEC
1987	NATIONAL MUFFLER CTR KING*	Automotive Repair Shops, NEC
1988	NATIONAL AUTOMOTIVE SVC CTR	General Automotive Repair Shops
1991	FAMA AUTO SERVICE CENTER	General Automotive Repair Shops

82
SW
1/8-1/4
0.238 mi.
1257 ft.

ROYAL CARTING TRUCK
CEDAR AND STERLING
KINGSTON, NY

NY Spills **S108636674**
N/A

Relative:
Lower

Actual:
181 ft.

SPILLS:

Facility ID:	0701203
Facility Type:	ER
DER Facility ID:	330103
Site ID:	380673
DEC Region:	3
Spill Date:	2007-04-28
Spill Number/Closed Date:	0701203 / 2007-08-22
Spill Cause:	Equipment Failure
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	5608
Investigator:	dvwehrfr
Referred To:	Not reported
Reported to Dept:	2007-04-28
CID:	75
Water Affected:	N/A
Spill Source:	Commercial Vehicle
Spill Notifier:	Fire Department
Cleanup Ceased:	Not reported
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2007-04-30
Spill Record Last Update:	2007-08-22
Spiller Name:	DEP CHIEF ALLEN
Spiller Company:	ROYAL CARTING TRUCK
Spiller Address:	CEDAR AND STERLING
Spiller City,St,Zip:	KINGSTON, NY 12401
Spiller Company:	001
Contact Name:	DEP CHIEF ALLEN
Contact Phone:	(845) 234-0336
DEC Memo:	"EnviroClean hired by RP to cleanup."
Remarks:	"hydraulic line failed on truck-spilled approx 30-35 along the streets in the area-FD enroute with absorbent materials-on scene sin ce 1115-leak contained and truck is stopped-"

Material:

Site ID:	380673
Operable Unit ID:	1138152
Operable Unit:	01
Material ID:	2128128
Material Code:	0010
Material Name:	hydraulic oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	30.00
Units:	Gallons
Recovered:	.00
Resource Affected:	Not reported
Oxygenate:	Not reported

ROYAL CARTING TRUCK (Continued) **S108636674**

Tank Test:

83
West
1/8-1/4
0.241 mi.
1271 ft.

RICHARDS-LOROMA INC **EDR Hist Auto** **1020199857**
20 FRANKLIN ST **N/A**
KINGSTON, NY 12401

Relative:
Higher

Actual:
182 ft.

EDR Hist Auto

Year:	Name:	Type:
1989	RICHARDS-LOROMA INC	General Automotive Repair Shops
1990	RICHARDS-LOROMA INC	General Automotive Repair Shops
1991	RICHARDS-LOROMA INC	General Automotive Repair Shops
1992	RICHARDS-LOROMA INC	General Automotive Repair Shops
1993	RICHARDS-LOROMA INC	General Automotive Repair Shops

Q84
NW
1/8-1/4
0.242 mi.
1276 ft.

LATTIN RESIDENCE **NY Spills** **S102104339**
53 ELMANDORF STREET **N/A**
KINGSTON, NY

Site 2 of 2 in cluster Q

Relative:
Lower

Actual:
179 ft.

SPILLS:

Facility ID:	9111374
Facility Type:	ER
DER Facility ID:	197737
Site ID:	240446
DEC Region:	3
Spill Date:	1992-02-04
Spill Number/Closed Date:	9111374 / 1992-04-20
Spill Cause:	Housekeeping
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	5630
Investigator:	DVWEHRFR
Referred To:	Not reported
Reported to Dept:	1992-02-04
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Private Dwelling
Spill Notifier:	Citizen
Cleanup Ceased:	1992-04-20
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	1992-02-04
Spill Record Last Update:	1992-04-20
Spiller Name:	Not reported
Spiller Company:	SAME
Spiller Address:	Not reported
Spiller City,St,Zip:	NY
Spiller Company:	999

LATTIN RESIDENCE (Continued) **S102104339**

Contact Name: Not reported
Contact Phone: Not reported
DEC Memo: "Prior to Sept, 2004 data translation this spill Lead_DEC Field was WEHRFRITZ / / : NO SPILL NOTED AT THIS TIME N.F.A. "
Remarks: "MR. LATTIN OWNS OIL TRUCK WHICH HE RUNS THE BUSNISESS OUT OF HIS OWN HOME TRUCK IS CONSTANTLY LEAKING DRUMS ON PROPERTY ALSO LEAKING SPILLAGE BEEN ONGOING FOR AWHILE GRAY TWO STORY HOUSE WITH BLK.SHT."

Material:
Site ID: 240446
Operable Unit ID: 961505
Operable Unit: 01
Material ID: 416410
Material Code: 0022
Material Name: waste oil/used oil
Case No.: Not reported
Material FA: Petroleum
Quantity: .00
Units: Not reported
Recovered: .00
Resource Affected: Not reported
Oxygenate: Not reported

Tank Test:

U85 **FOWLER & KEITH SUPPLY** **NY Spills** **S102107055**
ENE **104 SMITH AVE.** **N/A**
1/8-1/4 **KINGSTON, NY**
0.245 mi.
1295 ft. **Site 1 of 2 in cluster U**

Relative:
Higher

Actual:
186 ft.

SPILLS:
Facility ID: 8901458
Facility Type: ER
DER Facility ID: 211792
Site ID: 258855
DEC Region: 3
Spill Date: 1989-05-13
Spill Number/Closed Date: 8901458 / 1989-05-18
Spill Cause: Unknown
Spill Class: Not reported
SWIS: 5630
Investigator: dvwehrfr
Referred To: Not reported
Reported to Dept: 1989-05-13
CID: Not reported
Water Affected: Not reported
Spill Source: Unknown
Spill Notifier: Fire Department
Cleanup Ceased: 1989-05-13
Cleanup Meets Std: True
Last Inspection: 1989-05-13
Recommended Penalty: False
UST Trust: False
Remediation Phase: 0
Date Entered In Computer: 1989-05-18
Spill Record Last Update: 1999-07-29

FOWLER & KEITH SUPPLY (Continued) **S102107055**

Spiller Name:	Not reported
Spiller Company:	Not reported
Spiller Address:	Not reported
Spiller City,St,Zip:	***Update***, ZZ
Spiller Company:	001
Contact Name:	Not reported
Contact Phone:	Not reported
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was D. WEHRFRITZ "
Remarks:	"KINGSTON FD ON SCENE - WAITING FOR CAL LBACK. LUMBER YARD - GAS PUMP LEFT ON - 20 X10 USED SAW DUST TO PICK UP. NFA"

Material:

Site ID:	258855
Operable Unit ID:	928724
Operable Unit:	01
Material ID:	449205
Material Code:	0009
Material Name:	gasoline
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	40.00
Units:	Gallons
Recovered:	.00
Resource Affected:	Not reported
Oxygenate:	Not reported

Tank Test:

U86 **FOWLER & KEITH SUPPLY CO.** **NY UST** **U002222890**
ENE **104 SMITH AVENUE** **N/A**
1/8-1/4 **KINGSTON, NY 12401**
0.245 mi.
1295 ft. **Site 2 of 2 in cluster U**

Relative:
Higher

Actual:
186 ft.

UST:

Id/Status:	3-600739 / Unregulated/Closed
Program Type:	PBS
Region:	STATE
DEC Region:	3
Expiration Date:	N/A
UTM X:	582949.24372
UTM Y:	4642642.22244
Site Type:	Other

Affiliation Records:

Site Id:	34100
Affiliation Type:	Facility Owner
Company Name:	FOWLER & KEITH
Contact Type:	Not reported
Contact Name:	Not reported
Address1:	104 SMITH AVENUE
Address2:	Not reported
City:	KINGSTON
State:	NY
Zip Code:	12401
Country Code:	001

FOWLER & KEITH SUPPLY CO. (Continued) **U002222890**

Phone:	(914) 331-0004
EMail:	Not reported
Fax Number:	Not reported
Modified By:	BHYUKOWE
Date Last Modified:	2007-02-15

Site Id:	34100
Affiliation Type:	Mail Contact
Company Name:	FOWLER & KEITH
Contact Type:	Not reported
Contact Name:	STEVEN L. AARON
Address1:	104 SMITH AVENUE
Address2:	Not reported
City:	KINGSTON
State:	NY
Zip Code:	12401
Country Code:	001
Phone:	(914) 331-0004
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	2004-03-04

Site Id:	34100
Affiliation Type:	Facility Operator
Company Name:	FOWLER & KEITH SUPPLY CO.
Contact Type:	Not reported
Contact Name:	STEVEN L. AARON
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NY
Zip Code:	Not reported
Country Code:	001
Phone:	(914) 331-0004
EMail:	Not reported
Fax Number:	Not reported
Modified By:	BHYUKOWE
Date Last Modified:	2007-02-15

Site Id:	34100
Affiliation Type:	Emergency Contact
Company Name:	FOWLER & KEITH
Contact Type:	Not reported
Contact Name:	STEVEN L. AARON
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(914) 331-0004
EMail:	Not reported
Fax Number:	Not reported
Modified By:	BHYUKOWE
Date Last Modified:	2007-02-15

FOWLER & KEITH SUPPLY CO. (Continued) **U002222890**

Tank Info:

Tank Number:	1
Tank ID:	79099
Tank Status:	Closed - Removed
Material Name:	Closed - Removed
Capacity Gallons:	1000
Install Date:	Not reported
Date Tank Closed:	04/27/2000
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0008
Common Name of Substance:	Diesel
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	BHYUKOWE
Last Modified:	04/14/2017

Equipment Records:

A00 - Tank Internal Protection - None
B00 - Tank External Protection - None
D02 - Pipe Type - Galvanized Steel
F00 - Pipe External Protection - None
H00 - Tank Leak Detection - None
I00 - Overfill - None
C02 - Pipe Location - Underground/On-ground
G00 - Tank Secondary Containment - None

Tank Number:	2
Tank ID:	79100
Tank Status:	Closed - Removed
Material Name:	Closed - Removed
Capacity Gallons:	1000
Install Date:	Not reported
Date Tank Closed:	04/27/2000
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0008
Common Name of Substance:	Diesel
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	BHYUKOWE
Last Modified:	04/14/2017

Equipment Records:

B00 - Tank External Protection - None
D02 - Pipe Type - Galvanized Steel
F00 - Pipe External Protection - None
A00 - Tank Internal Protection - None

FOWLER & KEITH SUPPLY CO. (Continued) **U002222890**

H00 - Tank Leak Detection - None
I00 - Overfill - None
C02 - Pipe Location - Underground/On-ground
G00 - Tank Secondary Containment - None

Tank Number:	3
Tank ID:	79101
Tank Status:	Closed - Removed
Material Name:	Closed - Removed
Capacity Gallons:	2000
Install Date:	Not reported
Date Tank Closed:	04/27/2000
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0009
Common Name of Substance:	Gasoline
Tightness Test Method:	00
Date Test:	Not reported
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	BHYUKOWE
Last Modified:	04/14/2017

Equipment Records:

H00 - Tank Leak Detection - None
I00 - Overfill - None
A00 - Tank Internal Protection - None
B00 - Tank External Protection - None
D02 - Pipe Type - Galvanized Steel
F00 - Pipe External Protection - None
C02 - Pipe Location - Underground/On-ground
G00 - Tank Secondary Containment - None

T87 **CARPINO** **NY Spills** **S106383060**
West **693 BROADWAY** **N/A**
1/8-1/4 **KINGSTON, NY**
0.246 mi.
1299 ft. **Site 2 of 2 in cluster T**

Relative:
Lower

Actual:
181 ft.

SPILLS:

Facility ID:	0312972
Facility Type:	ER
DER Facility ID:	109989
Site ID:	127354
DEC Region:	3
Spill Date:	2004-02-24
Spill Number/Closed Date:	0312972 / 2004-03-30
Spill Cause:	Equipment Failure
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	5630
Investigator:	dxtraver
Referred To:	Not reported
Reported to Dept:	2004-02-24
CID:	75

CARPINO (Continued) **S106383060**

Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Responsible Party
Cleanup Ceased:	Not reported
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2004-02-24
Spill Record Last Update:	2004-07-07
Spiller Name:	Not reported
Spiller Company:	CARPINO
Spiller Address:	693 BROADWAY
Spiller City,St,Zip:	KINGSTON, NY 12401
Spiller Company:	001
Contact Name:	Not reported
Contact Phone:	Not reported
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was TRAVER KOSCO STATES HOSE DISCONNECTED WHILE DELIVERY WAS BEING MADE. CLEANUP DONE AS BEST AS POSSIBLE. NO RESOURCES IMPACTED. NFA"
Remarks:	"Service tech was on site and put down odor kill and speei dri-removal continues in dayl;ight on WED to continue-poss broken fill pipe at vent pipe at Tangles Hair Salon-2 gals and attempted recovery on frozen ground at timecontact Mr Webber at Kosco 2-25 during am hours"

Material:

Site ID:	127354
Operable Unit ID:	880169
Operable Unit:	01
Material ID:	565586
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	2.00
Units:	Gallons
Recovered:	.00
Resource Affected:	Not reported
Oxygenate:	Not reported

Tank Test:

88
ESE
1/8-1/4
0.246 mi.
1301 ft.

23 GRAND ST
23 GRAND ST
KINGSTON, NY

NY Spills **S118261566**
N/A

Relative:
Higher

Actual:
187 ft.

SPILLS:

Facility ID:	1506368
Facility Type:	ER
DER Facility ID:	468275
Site ID:	513784
DEC Region:	3
Spill Date:	2015-09-16

23 GRAND ST (Continued) **S118261566**

Spill Number/Closed Date:	1506368 / 2015-12-01
Spill Cause:	Equipment Failure
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	5608
Investigator:	JPCUMMIN
Referred To:	Not reported
Reported to Dept:	2015-09-16
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Commercial Vehicle
Spill Notifier:	Fire Department
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2015-09-16
Spill Record Last Update:	2015-12-01
Spiller Name:	MIKE SCHUPP
Spiller Company:	C/KINGSTON
Spiller Address:	Not reported
Spiller City,St,Zip:	KINGSTON, NY
Spiller Company:	999
Contact Name:	DEPUTY PLATT
Contact Phone:	(845) 234-0336
DEC Memo:	"9-16-15 Spoke with Deputy Platt. He says that garbade truck leaked hydraulic fluid from their yard to Grand St. FD responded and put down some absorbent. FD is getting more. Deputy Platt says it covers the whole lane. The DPW is firing up their street sweeper to collect the absorbent. jc Speedy dry had been applied and swept up. Vazco supplied the 55 gal. drums to place the impacted speed dry. Vazco will transport and properly disposed of the impacted speed dry and City of Kingston will submit the disposal manifest to the DEC. KAB"
Remarks:	"A DPW garbage truck broke hose and spilled oil to the street. Clean up is in progress by F.D."

Material:

Site ID:	513784
Operable Unit ID:	1262998
Operable Unit:	01
Material ID:	2266652
Material Code:	0010
Material Name:	hydraulic oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	35.00
Units:	Gallons
Recovered:	Not reported
Resource Affected:	Not reported
Oxygenate:	Not reported

Tank Test:

89
NE
1/4-1/2
0.255 mi.
1346 ft.

NY TEL
80 BRYUN STREET
KINGSTON, NY

NY LTANKS **S100491627**
N/A

Relative:
Higher

Actual:
184 ft.

LTANKS:

Site ID:	202676
Spill Number/Closed Date:	9206418 / 1992-10-28
Spill Date:	1992-09-02
Spill Cause:	Tank Test Failure
Spill Source:	Commercial/Industrial
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased:	1992-09-07
Cleanup Meets Standard:	True
SWIS:	5630
Investigator:	DUNN
Referred To:	Not reported
Reported to Dept:	1992-09-02
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	1992-09-09
Spill Record Last Update:	1995-05-19
Spiller Name:	Not reported
Spiller Company:	SAME
Spiller Address:	Not reported
Spiller City,St,Zip:	ZZ
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	3
DER Facility ID:	168589
DEC Memo:	""
Remarks:	"MANIFOLDED TANKS WILL EIR PETRO-TITE II"

Material:

Site ID:	202676
Operable Unit ID:	970016
Operable Unit:	01
Material ID:	410583
Material Code:	0066A
Material Name:	unknown petroleum
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	Not reported
Recovered:	.00
Resource Affected:	Not reported
Oxygenate:	Not reported

Tank Test:

NY TEL (Continued) **S100491627**

Site ID:	202676
Spill Tank Test:	1540503
Tank Number:	Not reported
Tank Size:	0
Test Method:	00
Leak Rate:	.00
Gross Fail:	Not reported
Modified By:	Spills
Last Modified:	Not reported
Test Method:	Unknown

90
East
1/4-1/2
0.256 mi.
1352 ft.

Relative:
Higher

Actual:
187 ft.

NATIONAL MICRONETICS INC **CORRACTS** **1000259756**
71 SMITH AVE **NY LTANKS** **NYD000799189**
KINGSTON, NY 12401 **NY UST**
NY AST
NY Spills
RCRA NonGen / NLR
NY MANIFEST

CORRACTS:

EPA ID:	NYD000799189
EPA Region:	02
Area Name:	SITEWIDE
Actual Date:	19980901
Action:	CA050RF - RFA Completed, Assessment was an RFA
NAICS Code(s):	334613 Magnetic and Optical Recording Media Manufacturing
Original schedule date:	Not reported
Schedule end date:	Not reported

EPA ID:	NYD000799189
EPA Region:	02
Area Name:	SITEWIDE
Actual Date:	19980901
Action:	CA070NO - RFA Determination Of Need For An RFI, RFI is Not Necessary
NAICS Code(s):	334613 Magnetic and Optical Recording Media Manufacturing
Original schedule date:	Not reported
Schedule end date:	Not reported

EPA ID:	NYD000799189
EPA Region:	02
Area Name:	SITEWIDE
Actual Date:	19960702
Action:	CA225YE - Stabilization Measures Evaluation, This facility ,is amenable to stabilization activity based on the, status of corrective action work at the facility, technical factors, the degree of risk, timing considerations and administrative considerations
NAICS Code(s):	334613 Magnetic and Optical Recording Media Manufacturing
Original schedule date:	Not reported
Schedule end date:	Not reported

EPA ID:	NYD000799189
EPA Region:	02

NATIONAL MICRONETICS INC (Continued) **1000259756**

Area Name: SITEWIDE
Actual Date: 19931209
Action: CA075ME - CA Prioritization, Facility or area was assigned a medium corrective action priority
NAICS Code(s): 334613
Magnetic and Optical Recording Media Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: NYD000799189
EPA Region: 02
Area Name: SITEWIDE
Actual Date: 19940421
Action: CA050 - RFA Completed
NAICS Code(s): 334613
Magnetic and Optical Recording Media Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: NYD000799189
EPA Region: 02
Area Name: SITEWIDE
Actual Date: 19930930
Action: CA010 - RFA Initiation
NAICS Code(s): 334613
Magnetic and Optical Recording Media Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

LTANKS:
Site ID: 127122
Spill Number/Closed Date: 9405792 / 1994-07-29
Spill Date: 1994-07-27
Spill Cause: Tank Overfill
Spill Source: Commercial/Industrial
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased: 1994-07-29
Cleanup Meets Standard: False
SWIS: 5630
Investigator: RICCI
Referred To: Not reported
Reported to Dept: 1994-07-28
CID: Not reported
Water Affected: Not reported
Spill Notifier: Responsible Party
Last Inspection: Not reported
Recommended Penalty: False
UST Involvement: False
Remediation Phase: 0
Date Entered In Computer: Not reported
Spill Record Last Update: 2003-12-02
Spiller Name: Not reported
Spiller Company: SAME
Spiller Address: Not reported
Spiller City,St,Zip: NY
Spiller County: 999

NATIONAL MICRONETICS INC (Continued) **1000259756**

Spiller Contact: Not reported
Spiller Phone: Not reported
Spiller Extention: Not reported
DEC Region: 3
DER Facility ID: 109824
DEC Memo: ""
Remarks: "TANK BEING TESTED OVERFILLED USING SORBENT PADS & SPEEDI-DRI WILL CLEAN UP & DISPOSE IRA CONKLIN TESTING TANK TANK PASSED"

Material:
Site ID: 127122
Operable Unit ID: 1003156
Operable Unit: 01
Material ID: 382375
Material Code: 0001A
Material Name: #2 fuel oil
Case No.: Not reported
Material FA: Petroleum
Quantity: 8.00
Units: Gallons
Recovered: .00
Resource Affected: Not reported
Oxygenate: Not reported

Tank Test:

UST:
Id/Status: 3-004251 / Active
Program Type: PBS
Region: STATE
DEC Region: 3
Expiration Date: 01/28/2018
UTM X: 582527.04456
UTM Y: 4642928.03802
Site Type: Manufacturing (Other than Chemical)/Processing

Affiliation Records:
Site Id: 31353
Affiliation Type: Mail Contact
Company Name: NYCDEP
Contact Type: Not reported
Contact Name: FACILITIES SUPERVISOR
Address1: 71 SMITH AVE
Address2: Not reported
City: KINGSTON
State: NY
Zip Code: 12401
Country Code: 001
Phone: (845) 340-7261
EMail: Not reported
Fax Number: Not reported
Modified By: BHYUKOWE
Date Last Modified: 2013-01-23

Site Id: 31353

NATIONAL MICRONETICS INC (Continued) **1000259756**

Affiliation Type:	Facility Operator
Company Name:	NYCDEP
Contact Type:	Not reported
Contact Name:	TOM HINCHEY
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(845) 340-7778
EMail:	Not reported
Fax Number:	Not reported
Modified By:	BHYUKOWE
Date Last Modified:	2013-01-23

Site Id:	31353
Affiliation Type:	Facility Owner
Company Name:	NYCDEP
Contact Type:	CHIEF WESTERN OPERATIONS
Contact Name:	JOHN VICKERS, P.E.
Address1:	465 COLUMBUS AVENUE
Address2:	Not reported
City:	VALHALLA
State:	NY
Zip Code:	10595
Country Code:	001
Phone:	(914) 742-2000
EMail:	Not reported
Fax Number:	Not reported
Modified By:	BHYUKOWE
Date Last Modified:	2013-01-23

Site Id:	31353
Affiliation Type:	Emergency Contact
Company Name:	NYCDEP
Contact Type:	Not reported
Contact Name:	WATER SUPPLY CONTROL CENTER
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(845) 334-7163
EMail:	Not reported
Fax Number:	Not reported
Modified By:	BHYUKOWE
Date Last Modified:	2013-01-23

Tank Info:

Tank Number:	1
Tank ID:	67661
Tank Status:	Closed - Removed
Material Name:	Closed - Removed
Capacity Gallons:	2000

NATIONAL MICRONETICS INC (Continued) **1000259756**

Install Date: 04/01/1983
Date Tank Closed: 11/01/1995
Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 0001
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Tightness Test Method: 20
Date Test: 07/01/1994
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: TRANSLAT
Last Modified: 04/14/2017

Equipment Records:

C02 - Pipe Location - Underground/On-ground
G00 - Tank Secondary Containment - None
D02 - Pipe Type - Galvanized Steel
F00 - Pipe External Protection - None
A00 - Tank Internal Protection - None
B01 - Tank External Protection - Painted/Asphalt Coating
H00 - Tank Leak Detection - None
I00 - Overfill - None

AST:

Region: STATE
DEC Region: 3
Site Status: Active
Facility Id: 3-004251
Program Type: PBS
UTM X: 582527.04456
UTM Y: 4642928.03802
Expiration Date: 01/28/2018
Site Type: Manufacturing (Other than Chemical)/Processing

Affiliation Records:

Site Id: 31353
Affiliation Type: Mail Contact
Company Name: NYCDEP
Contact Type: Not reported
Contact Name: FACILITIES SUPERVISOR
Address1: 71 SMITH AVE
Address2: Not reported
City: KINGSTON
State: NY
Zip Code: 12401
Country Code: 001
Phone: (845) 340-7261
EMail: Not reported
Fax Number: Not reported
Modified By: BHYUKOWE
Date Last Modified: 2013-01-23

Site Id: 31353
Affiliation Type: Facility Operator
Company Name: NYCDEP
Contact Type: Not reported

NATIONAL MICRONETICS INC (Continued) **1000259756**

Contact Name:	TOM HINCHEY
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(845) 340-7778
EMail:	Not reported
Fax Number:	Not reported
Modified By:	BHYUKOWE
Date Last Modified:	2013-01-23

Site Id:	31353
Affiliation Type:	Facility Owner
Company Name:	NYCDEP
Contact Type:	CHIEF WESTERN OPERATIONS
Contact Name:	JOHN VICKERS, P.E.
Address1:	465 COLUMBUS AVENUE
Address2:	Not reported
City:	VALHALLA
State:	NY
Zip Code:	10595
Country Code:	001
Phone:	(914) 742-2000
EMail:	Not reported
Fax Number:	Not reported
Modified By:	BHYUKOWE
Date Last Modified:	2013-01-23

Site Id:	31353
Affiliation Type:	Emergency Contact
Company Name:	NYCDEP
Contact Type:	Not reported
Contact Name:	WATER SUPPLY CONTROL CENTER
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(845) 334-7163
EMail:	Not reported
Fax Number:	Not reported
Modified By:	BHYUKOWE
Date Last Modified:	2013-01-23

Tank Info:

Tank Number:	001
Tank Id:	221407
Material Code:	0008
Common Name of Substance:	Diesel

Equipment Records:

E00 - Piping Secondary Containment - None

NATIONAL MICRONETICS INC (Continued) **1000259756**

I02 - Overfill - High Level Alarm
A00 - Tank Internal Protection - None
B01 - Tank External Protection - Painted/Asphalt Coating
D01 - Pipe Type - Steel/Carbon Steel/Iron
F01 - Pipe External Protection - Painted/Asphalt Coating
G09 - Tank Secondary Containment - Modified Double-Walled (Aboveground)
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring
C01 - Pipe Location - Aboveground
I04 - Overfill - Product Level Gauge (A/G)
J02 - Dispenser - Suction Dispenser
K99 - Spill Prevention - Other
H06 - Tank Leak Detection - Impervious Barrier/Concrete Pad (A/G)
L00 - Piping Leak Detection - None

Tank Location: 3
Tank Type: Steel/Carbon Steel/Iron
Tank Status: In Service
Pipe Model: Not reported
Install Date: 06/01/2007
Capacity Gallons: 1500
Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Date Tank Closed: Not reported
Register: True
Modified By: BHYUKOWE
Last Modified: 04/14/2017
Material Name: Not reported

Tank Number: 002
Tank Id: 221408
Material Code: 2712
Common Name of Substance: Gasoline/Ethanol

Equipment Records:

B05 - Tank External Protection - Jacketed
H06 - Tank Leak Detection - Impervious Barrier/Concrete Pad (A/G)
L00 - Piping Leak Detection - None
C01 - Pipe Location - Aboveground
G05 - Tank Secondary Containment - Synthetic Liner
I04 - Overfill - Product Level Gauge (A/G)
J02 - Dispenser - Suction Dispenser
K99 - Spill Prevention - Other
E00 - Piping Secondary Containment - None
I02 - Overfill - High Level Alarm
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
F01 - Pipe External Protection - Painted/Asphalt Coating
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring

Tank Location: 3
Tank Type: Steel Tank in Concrete
Tank Status: In Service
Pipe Model: Not reported
Install Date: 01/01/2008
Capacity Gallons: 2000
Tightness Test Method: NN

NATIONAL MICRONETICS INC (Continued) **1000259756**

Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	BHYUKOWE
Last Modified:	04/14/2017
Material Name:	Not reported

SPILLS:

Facility ID:	1105164
Facility Type:	ER
DER Facility ID:	407442
Site ID:	452803
DEC Region:	3
Spill Date:	2011-08-04
Spill Number/Closed Date:	1105164 / 2011-08-06
Spill Cause:	Equipment Failure
Spill Class:	Possible release with minimal potential for fire or hazard or Known release with no damage. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	5630
Investigator:	dxtraver
Referred To:	Not reported
Reported to Dept:	2011-08-04
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	Not reported
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2011-08-04
Spill Record Last Update:	2011-08-06
Spiller Name:	GREGG COSTA
Spiller Company:	NYC DEP
Spiller Address:	71 SMITH AVE
Spiller City,St,Zip:	KINGSTON, NY
Spiller Company:	999
Contact Name:	GREGG COSTA
Contact Phone:	(347) 539-1556
DEC Memo:	"8/5/11- DEP to cleanup minor leak of lube oil to concrete pad from equipment on site. NFA DT"
Remarks:	"Caller reporting a spill of .25 gallons of lube oil to concrete. Clean up is pending."

Material:

Site ID:	452803
Operable Unit ID:	1202973
Operable Unit:	01
Material ID:	2199585
Material Code:	0013
Material Name:	lube oil
Case No.:	Not reported
Material FA:	Petroleum

NATIONAL MICRONETICS INC (Continued) **1000259756**

Quantity: .25
Units: Gallons
Recovered: Not reported
Resource Affected: Not reported
Oxygenate: Not reported

Tank Test:

RCRA NonGen / NLR:
Date form received by agency: 01/01/2007
Facility name: NATIONAL MICRONETICS INC
Facility address: 71 SMITH AVE
KINGSTON, NY 12401
EPA ID: NYD000799189
Mailing address: SMITH AVE
KINGSTON, NY 12401
Contact: Not reported
Contact address: SMITH AVE
KINGSTON, NY 12401
Contact country: US
Contact telephone: Not reported
Contact email: Not reported
EPA Region: 02
Land type: Facility is not located on Indian land. Additional information is not known.
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:
Owner/operator name: NATIONAL MICRONETICS INC
Owner/operator address: PO BOX 188
OPERCITY, NY 99999
Owner/operator country: US
Owner/operator telephone: 914-338-0333
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NATIONAL MICRONETICS INC
Owner/operator address: UNKNOWN
UNKNOWN, NY 99999
Owner/operator country: US
Owner/operator telephone: 212-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

NATIONAL MICRONETICS INC (Continued) **1000259756**

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Site name: NATIONAL MICRONETICS INC
Classification: Not a generator, verified

Date form received by agency: 04/15/1998
Site name: NATIONAL MICRONETICS INC
Classification: Large Quantity Generator

Date form received by agency: 05/11/1992
Site name: NATIONAL MICRONETICS INC
Classification: Large Quantity Generator

. Waste code: NONE
. Waste name: None

Date form received by agency: 05/11/1992
Site name: NATIONAL MICRONETICS INC
Classification: Large Quantity Generator

. Waste code: D000
. Waste name: Not Defined

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: F001
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLORETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL

NATIONAL MICRONETICS INC (Continued) **1000259756**

ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F005
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: U034
. Waste name: ACETALDEHYDE, TRICHLORO- (OR) CHLORAL

. Waste code: U228
. Waste name: ETHENE, TRICHLORO- (OR) TRICHLOROETHYLENE

. Waste code: X001
. Waste name: WASTE OILS

Date form received by agency: 02/26/1992
Site name: NATIONAL MICRONETICS
Classification: Large Quantity Generator

Date form received by agency: 03/01/1990
Site name: NATIONAL MICRONETICS INC
Classification: Large Quantity Generator

Date form received by agency: 11/19/1980
Site name: NATIONAL MICRONETICS INC
Classification: Not a generator, verified

. Waste code: F001
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLORETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR

NATIONAL MICRONETICS INC (Continued) **1000259756**

MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F005
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: U134
. Waste name: HYDROFLUORIC ACID (C,T) (OR) HYDROGEN FLUORIDE (C,T)

. Waste code: U228
. Waste name: ETHENE, TRICHLORO- (OR) TRICHLOROETHYLENE

Corrective Action Summary:
Event date: 09/30/1993
Event: RFA INITIATION

Event date: 12/09/1993
Event: CA PRIORITIZATION-MEDIUM CA PRIORITY

Event date: 04/21/1994
Event: RFA COMPLETED

Event date: 07/02/1996
Event: STABILIZATION MEASURES EVALUATION-FACILITY IS AMENABLE TO STABILIZATION

Event date: 09/01/1998
Event: DETERMINATION OF NEED FOR AN INVESTIGATION-INVESTIGATION IS NOT NECESSARY

Event date: 09/01/1998
Event: RFA COMPLETED-ASSESSMENT WAS A RFA

Facility Has Received Notices of Violations:
Regulation violated: Not reported
Area of violation: TSD - General
Date violation determined: 09/06/1990
Date achieved compliance: 04/18/1991
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 10/11/1990
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported

NATIONAL MICRONETICS INC (Continued) **1000259756**

Area of violation: LDR - General
Date violation determined: 03/23/1988
Date achieved compliance: 12/28/1988
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General
Date violation determined: 03/23/1988
Date achieved compliance: 08/24/1988
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 04/22/1988
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General
Date violation determined: 09/11/1985
Date achieved compliance: 02/25/1986
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 11/14/1985
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General
Date violation determined: 05/31/1984
Date achieved compliance: 01/16/1985
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 10/31/1984
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:
Evaluation date: 09/06/1990

NATIONAL MICRONETICS INC (Continued) **1000259756**

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 04/18/1991
Evaluation lead agency: State

Evaluation date: 09/22/1988
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 05/06/1988
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 03/23/1988
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 08/24/1988
Evaluation lead agency: State

Evaluation date: 03/23/1988
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: LDR - General
Date achieved compliance: 12/28/1988
Evaluation lead agency: State

Evaluation date: 09/11/1985
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 02/25/1986
Evaluation lead agency: State

Evaluation date: 05/22/1985
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 05/31/1984
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 01/16/1985
Evaluation lead agency: State

NY MANIFEST:
Country: USA
EPA ID: NYD000799189
Facility Status: Not reported
Location Address 1: 33 GRAND ST
Code: BP
Location Address 2: Not reported
Total Tanks: Not reported
Location City: KINGSTON
Location State: NY
Location Zip: 12401

NATIONAL MICRONETICS INC (Continued) **1000259756**

Location Zip 4: 3933

NY MANIFEST:
EPAID: NYD000799189
Mailing Name: NATIONAL MICRONETICS INC
Mailing Contact: RON NACCARATO
Mailing Address 1: 71 SMITH AVENUE
Mailing Address 2: Not reported
Mailing City: KINGSTON
Mailing State: NY
Mailing Zip: 12401
Mailing Zip 4: Not reported
Mailing Country: USA
Mailing Phone: 9143380333

NY MANIFEST:
Document ID: NJA3064559
Manifest Status: Not reported
seq: 01
Year: 1999
Trans1 State ID: 50060
Trans2 State ID: Not reported
Generator Ship Date: 12/13/1999
Trans1 Recv Date: 12/13/1999
Trans2 Recv Date: Not reported
TSD Site Recv Date: 12/14/1999
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYD000799189
Trans1 EPA ID: NYD980761191
Trans2 EPA ID: Not reported
TSDF ID 1: NJD002200046
TSDF ID 2: Not reported
Manifest Tracking Number: Not reported
Import Indicator: Not reported
Export Indicator: Not reported
Discr Quantity Indicator: Not reported
Discr Type Indicator: Not reported
Discr Residue Indicator: Not reported
Discr Partial Reject Indicator: Not reported
Discr Full Reject Indicator: Not reported
Manifest Ref Number: Not reported
Alt Facility RCRA ID: Not reported
Alt Facility Sign Date: Not reported
MGMT Method Type Code: Not reported
Waste Code: F005 - UNKNOWN
Waste Code: Not reported
Waste Code: Not reported
Waste Code: Not reported
Waste Code: Not reported
Waste Code: Not reported
Quantity: 00680
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 001
Container Type: TT - Cargo tank, tank trucks
Handling Method: T Chemical, physical, or biological treatment.
Specific Gravity: 01.00

NATIONAL MICRONETICS INC (Continued) **1000259756**

Click this hyperlink while viewing on your computer to access
97 additional NY_MANIFEST: record(s) in the EDR Site Report.

V91 **AMATO JAMES L** **EDR Hist Auto** **1021218219**
West **697 BROADWAY** **N/A**
1/4-1/2 **KINGSTON, NY 12401**
0.258 mi.
1363 ft. **Site 1 of 2 in cluster V**

Relative: EDR Hist Auto
Lower

Year:	Name:	Type:
1969	AMATO JAMES L	Gasoline Service Stations
1970	AMATO JAMES L	Gasoline Service Stations

Actual:
181 ft.

V92 **HALPIN TIM** **EDR Hist Auto** **1020661950**
West **695 BROADWAY** **N/A**
1/4-1/2 **KINGSTON, NY 12401**
0.260 mi.
1375 ft. **Site 2 of 2 in cluster V**

Relative: EDR Hist Auto
Lower

Year:	Name:	Type:
1999	HALPIN TIM	General Automotive Repair Shops
2000	HALPIN TIM	General Automotive Repair Shops
2001	HALPIN TIM	General Automotive Repair Shops
2002	HALPIN TIM	General Automotive Repair Shops
2003	HALPIN TIM	General Automotive Repair Shops
2004	HALPIN TIM	General Automotive Repair Shops
2005	HALPIN TIM	General Automotive Repair Shops
2006	HALPIN TIM	General Automotive Repair Shops
2007	HALPIN TIM	General Automotive Repair Shops
2008	HALPIN TIM	General Automotive Repair Shops
2009	HALPIN TIM	General Automotive Repair Shops
2010	HALPIN TIM	General Automotive Repair Shops
2012	JA ENTERPRISES	Gasoline Service Stations
2013	JA ENTERPRISES	Gasoline Service Stations

Actual:
181 ft.

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93 **CANFIELD SUPPLY** **NY LTANKS** **S102674973**
SSE **SUSAN & SUMMER STS.** **N/A**
1/4-1/2 **KINGSTON, NY**
0.266 mi.
1406 ft.

Relative: LTANKS:
Lower

Site ID:	292837
Spill Number/Closed Date:	8907069 / 1989-11-01
Spill Date:	1989-10-17
Spill Cause:	Tank Overfill
Spill Source:	Commercial/Industrial
Spill Class:	Not reported
Cleanup Ceased:	1989-10-18
Cleanup Meets Standard:	True

Actual:
175 ft.

CANFIELD SUPPLY (Continued) **S102674973**

SWIS:	5630
Investigator:	dvwehrfr
Referred To:	Not reported
Reported to Dept:	1989-10-18
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Fire Department
Last Inspection:	1989-10-18
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	1989-11-01
Spill Record Last Update:	1989-11-14
Spiller Name:	Not reported
Spiller Company:	AMMAD & CO.
Spiller Address:	PO BOX 9
Spiller City,St,Zip:	WEST HURLEY, NY
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	3
DER Facility ID:	237028
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was D. WEHRFRITZ 11/14/89: ENVIRONMENTAL OIL GIVEN PERMISSION TO REMOVE DRUMS WITH CONTAMINATED MATERIAL 11-3-89. NFA. 11/29/95: This is additional information about material spilled from the translation of the old spill file: LARGE PUDDLES."
Remarks:	"UNDERGROUND OIL TANK WAS OVERFILLED. SPILLER USED BUCKETS TO SCOOP UP OIL AND DUMPED BEHIND SUSAN ST. SPILLER ALSO USED HOSE TO WASH OIL AWAY. PUDDLES IN ROADWAY. UCHD IS INVESTIGATING NFA"

Material:

Site ID:	292837
Operable Unit ID:	934823
Operable Unit:	01
Material ID:	443866
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	Gallons
Recovered:	.00
Resource Affected:	Not reported
Oxygenate:	Not reported

Tank Test:

94
WNW
1/4-1/2
0.270 mi.
1426 ft.

MARTIN JERRY PONTIAC INC
708 BROADWAY
KINGSTON, NY 12401

EDR Hist Auto **1021925129**
N/A

Relative:
Lower

Actual:
180 ft.

EDR Hist Auto

Year:	Name:	Type:
1969	MARTIN JERRY PONTIAC INC	New And Used Car Dealers
1970	MARTIN JERRY PONTIAC INC	New And Used Car Dealers
1971	MARTIN JERRY PONTIAC INC	New And Used Car Dealers

95
NNE
1/4-1/2
0.274 mi.
1446 ft.

RESIDENCE
132 ONEIL ST
KINGSTON, NY

NY LTANKS **S102674576**
N/A

Relative:
Higher

Actual:
182 ft.

LTANKS:

Site ID:	227166
Spill Number/Closed Date:	9507664 / 1996-01-18
Spill Date:	1995-09-22
Spill Cause:	Tank Overfill
Spill Source:	Private Dwelling
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased:	1996-01-18
Cleanup Meets Standard:	True
SWIS:	5630
Investigator:	RICCI
Referred To:	Not reported
Reported to Dept:	1995-09-22
CID:	322
Water Affected:	Not reported
Spill Notifier:	Responsible Party
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	1995-09-22
Spill Record Last Update:	1996-01-18
Spiller Name:	MARGET BENSON
Spiller Company:	KOSCO FUEL
Spiller Address:	Not reported
Spiller City,St,Zip:	PORT EWEN, NY 12466-
Spiller County:	001
Spiller Contact:	OSHAY
Spiller Phone:	(914) 331-4559
Spiller Extention:	Not reported
DEC Region:	3
DER Facility ID:	187511
DEC Memo:	""
Remarks:	"TANK WAS OVERFILLED - ONTO SOIL - SOIL HAS BEEN REMOVED"

Material:

Site ID:	227166
Operable Unit ID:	1018539
Operable Unit:	01

RESIDENCE (Continued) **S102674576**

Material ID:	362090
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	2.00
Units:	Gallons
Recovered:	2.00
Resource Affected:	Not reported
Oxygenate:	Not reported

Tank Test:

96
East
1/4-1/2
0.276 mi.
1457 ft.

JVL AUTO **EDR Hist Auto** **1022218783**
80 SMITH AVE **N/A**
KINGSTON, NY 12401

Relative:
Higher

Actual:
187 ft.

EDR Hist Auto

Year:	Name:	Type:
2008	JVL AUTO	General Automotive Repair Shops
2009	JVL AUTO	General Automotive Repair Shops

97
NE
1/4-1/2
0.276 mi.
1458 ft.

VERIZON NEW YORK INC-NY-99551 **NY LTANKS** **S100165354**
60 BRUYN AVENUE **NY TANKS** **N/A**
KINGSTON, NY 12401

Relative:
Higher

Actual:
185 ft.

LTANKS:

Site ID:	66735
Spill Number/Closed Date:	8607185 / 1987-03-16
Spill Date:	1987-02-25
Spill Cause:	Tank Test Failure
Spill Source:	Commercial/Industrial
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased:	1987-03-16
Cleanup Meets Standard:	True
SWIS:	5630
Investigator:	jeokesso
Referred To:	Not reported
Reported to Dept:	1987-02-25
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	1987-03-16
Recommended Penalty:	False
UST Involvement:	True
Remediation Phase:	0
Date Entered In Computer:	1987-02-27
Spill Record Last Update:	1998-01-29
Spiller Name:	Not reported

VERIZON NEW YORK INC-NY-99551 (Continued) **S100165354**

Spiller Company:	NY TEL
Spiller Address:	SAME
Spiller City,St,Zip:	ZZ
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	3
DER Facility ID:	63871
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was OKESSON 02/25/87 TANKS TO BE RETESTED 2/26/87. 02/26/87 TANKS RETESTED; AWAITING TEST RESULTS. 03/16/87 TANK SYSTEM TESTED TIGHT; NFA. "
Remarks:	"TTTF"

Material:

Site ID:	66735
Operable Unit ID:	904950
Operable Unit:	01
Material ID:	472708
Material Code:	0009
Material Name:	gasoline
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	Pounds
Recovered:	.00
Resource Affected:	Not reported
Oxygenate:	Not reported

Tank Test:

Site ID:	66735
Spill Tank Test:	1530597
Tank Number:	Not reported
Tank Size:	0
Test Method:	00
Leak Rate:	.00
Gross Fail:	Not reported
Modified By:	Spills
Last Modified:	Not reported
Test Method:	Unknown

TANKS:

Facility Id:	3-184322
Region:	STATE
DEC Region:	3
Site Status:	Active
Program Type:	PBS
Expiration Date:	04/18/2018
UTM X:	582949.78672
UTM Y:	4642782.43365

W98 **VAN BUREN DONALD** **EDR Hist Auto** **1021300646**
SW **105 CEDAR ST** **N/A**
1/4-1/2 **KINGSTON, NY 12401**
0.280 mi.
1481 ft. **Site 1 of 2 in cluster W**

Relative: EDR Hist Auto
Higher

Year:	Name:	Type:
Actual: 1971	VAN BUREN DONALD	Gasoline Service Stations

182 ft.

X99 **SPILL NUMBER 9516090** **NY LTANKS** **S100139447**
NE **139 CORNELL ST** **NY Spills** **N/A**
1/4-1/2 **KINGSTON, NY**
0.287 mi.
1513 ft. **Site 1 of 2 in cluster X**

Relative: LTANKS:
Higher

Site ID:	285842
Spill Number/Closed Date:	8704643 / 1987-09-18
Actual: Spill Date:	1987-09-03
185 ft. Spill Cause:	Tank Test Failure
Spill Source:	Institutional, Educational, Gov., Other
Spill Class:	Not reported
Cleanup Ceased:	1987-09-18
Cleanup Meets Standard:	True
SWIS:	5630
Investigator:	jeokesso
Referred To:	Not reported
Reported to Dept:	1987-09-03
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	1987-11-09
Spill Record Last Update:	2004-09-30
Spiller Name:	RON DECICCO
Spiller Company:	Not reported
Spiller Address:	Not reported
Spiller City,St,Zip:	ZZ
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	3
DER Facility ID:	231709
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was OKESSON / / : ABANDONING TANK-NFA. "
Remarks:	""

Material:

Site ID:	285842
Operable Unit ID:	911127
Operable Unit:	01
Material ID:	467270
Material Code:	0001A

SPILL NUMBER 9516090 (Continued) **S100139447**

Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	Not reported
Recovered:	.00
Resource Affected:	Not reported
Oxygenate:	Not reported

Tank Test:

Site ID:	285842
Spill Tank Test:	1531556
Tank Number:	Not reported
Tank Size:	0
Test Method:	00
Leak Rate:	.00
Gross Fail:	Not reported
Modified By:	Spills
Last Modified:	Not reported
Test Method:	Unknown

SPILLS:

Facility ID:	9516090
Facility Type:	ER
DER Facility ID:	231709
Site ID:	285843
DEC Region:	3
Spill Date:	1996-03-15
Spill Number/Closed Date:	9516090 / 1996-03-16
Spill Cause:	Equipment Failure
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	5630
Investigator:	UNASSIGNED
Referred To:	Not reported
Reported to Dept:	1996-03-15
CID:	322
Water Affected:	Not reported
Spill Source:	Private Dwelling
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	1996-03-15
Spill Record Last Update:	2000-04-04
Spiller Name:	Not reported
Spiller Company:	139 CORNELL ST
Spiller Address:	139 CORNELL ST
Spiller City,St,Zip:	KINGSTON, ZZ
Spiller Company:	001
Contact Name:	Not reported
Contact Phone:	(914) 331-8451

SPILL NUMBER 9516090 (Continued) **S100139447**

DEC Memo: "Prior to Sept, 2004 data translation this spill Lead_DEC Field was "
Remarks: "oil filter was leaking - repair has been made - spill being cleaned up "

Material:
Site ID: 285843
Operable Unit ID: 1030747
Operable Unit: 01
Material ID: 556517
Material Code: 0001A
Material Name: #2 fuel oil
Case No.: Not reported
Material FA: Petroleum
Quantity: 1.00
Units: Gallons
Recovered: 1.00
Resource Affected: Not reported
Oxygenate: Not reported

Tank Test:

X100 **V&N AUTOMOTIVE** **EDR Hist Auto** **1020631230**
NE **105 CORNELL ST** **N/A**
1/4-1/2 **EDDYVILLE, NY 12401**
0.287 mi.
1516 ft. **Site 2 of 2 in cluster X**

Relative: Higher

EDR Hist Auto

Actual: 185 ft.

Year:	Name:	Type:
1973	ACE TRANSMISSION CENTER INC	Automotive Repair Shops, NEC
1973	ALL AMERCN AUTMTC TRNSMSN CORP	Automotive Repair Shops, NEC
1974	ACE MUFFLER CENTERS INC	Automotive Repair Shops, NEC
1974	ALL AMERCN AUTMTC TRNSMSN CORP	Automotive Repair Shops, NEC
1974	ACE TRANSMISSION CENTER INC	Automotive Repair Shops, NEC
1975	ACE MUFFLER CENTERS INC	Automotive Repair Shops, NEC
1976	ACE MUFFLER CENTERS INC	Automotive Repair Shops, NEC
1976	ACE TRANSMISSION CENTER INC	Automotive Repair Shops, NEC
1977	ACE TRANSMISSION CENTER INC	Automotive Repair Shops, NEC
1977	ACE MUFFLER CENTERS INC	Automotive Repair Shops, NEC
1978	ACE MUFFLER CENTERS INC	Automotive Repair Shops, NEC
1978	ACE TRANSMISSION CENTER INC	Automotive Repair Shops, NEC
1979	ACE TRANSMISSION CENTER INC	Automotive Repair Shops, NEC
1979	ACE MUFFLER CENTERS INC	Automotive Repair Shops, NEC
1980	ACE TRANSMISSION CENTER INC	Automotive Repair Shops, NEC
1980	ACE MUFFLER CENTERS INC	Automotive Repair Shops, NEC
1982	ACE TRANSMISSION CENTER INC	Automotive Repair Shops, NEC
1982	ACE MUFFLER CENTERS INC	Automotive Repair Shops, NEC
1983	ACE TRANSMISSION CENTER INC	Automotive Repair Shops, NEC
1983	ACE MUFFLER CENTERS INC	Automotive Repair Shops, NEC
1985	ACE TRANSMISSION CENTER INC	Automotive Repair Shops, NEC
1986	ACE TRANSMISSION CENTER INC	Automotive Repair Shops, NEC
1987	ACE TRANSMISSION CENTER INC	Automotive Repair Shops, NEC
1987	CAR LIFE TRANSM CTR KINGSTON*	Automotive Repair Shops, NEC
1988	CAR LIFE TRNSM CTR OF KINGSTON	Automotive Repair Shops, NEC
1989	CAR LIFE TRNSM CTR OF KINGSTON	Automotive Transmission Repair Shops
1990	CAR LIFE TRANSM CTR OF COLONIE	Automotive Transmission Repair Shops

V&N AUTOMOTIVE (Continued) **1020631230**

1990	CAR LIFE TRNSM CTR OF KINGSTON	Automotive Transmission Repair Shops
1991	CAR LIFE TRNSM CTR OF KINGSTON	Automotive Transmission Repair Shops
1991	CAR LIFE TRANSM CTR OF COLONIE	Automotive Transmission Repair Shops
1991	CAR-LIFE	Automotive Repair Shops, NEC
1992	CAR LIFE TRANSM CTR OF COLONIE	Automotive Transmission Repair Shops
1992	CAR LIFE TRNSM CTR OF KINGSTON	Automotive Transmission Repair Shops
1993	CAR LIFE TRNSM CTR OF KINGSTON	Automotive Transmission Repair Shops
1996	V&N AUTOMOTIVE	General Automotive Repair Shops
1997	V&N AUTOMOTIVE	General Automotive Repair Shops
1998	V&N AUTOMOTIVE	General Automotive Repair Shops

W101 **LUDANA AND LUDANA** **NY LTANKS** **S102448096**
SW **109 CEDAR ST** **N/A**
1/4-1/2 **KINGSTON, NY**
0.288 mi.
1521 ft. **Site 2 of 2 in cluster W**

Relative:
Higher

Actual:
183 ft.

LTANKS:

Site ID:	218957
Spill Number/Closed Date:	0312741 / 2004-02-17
Spill Date:	2004-02-17
Spill Cause:	Tank Overfill
Spill Source:	Institutional, Educational, Gov., Other
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	True
SWIS:	5630
Investigator:	UNASSIGNED
Referred To:	Not reported
Reported to Dept:	2004-02-17
CID:	444
Water Affected:	Not reported
Spill Notifier:	Responsible Party
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	2004-02-17
Spill Record Last Update:	2004-07-27
Spiller Name:	JODI VOSBURGH
Spiller Company:	KINGSTON OIL SUPPLY
Spiller Address:	NORTHBROADWAY
Spiller City,St,Zip:	PORT UNION, NY
Spiller County:	001
Spiller Contact:	JODI VOSBURGH
Spiller Phone:	(845) 331-0770
Spiller Extention:	3106
DEC Region:	3
DER Facility ID:	181107
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was DISPATCH "
Remarks:	"DRIVER OVERFILLED AND IS BEING CLEANED UP: "

Material:

Site ID:	218957
Operable Unit ID:	880052

LUDANA AND LUDANA (Continued) **S102448096**

Operable Unit:	01
Material ID:	497925
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	1.00
Units:	Gallons
Recovered:	.00
Resource Affected:	Not reported
Oxygenate:	Not reported

Tank Test:

Site ID:	269263
Spill Number/Closed Date:	9609988 / 1996-11-12
Spill Date:	1996-11-09
Spill Cause:	Tank Failure
Spill Source:	Institutional, Educational, Gov., Other
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	True
SWIS:	5630
Investigator:	RICCI
Referred To:	Not reported
Reported to Dept:	1996-11-09
CID:	323
Water Affected:	Not reported
Spill Notifier:	Other
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	1996-11-09
Spill Record Last Update:	1996-12-12
Spiller Name:	MR LUDANA
Spiller Company:	LUDANA AND LUDANA
Spiller Address:	109 CEDAR ST
Spiller City,St,Zip:	KINGSTON, ZZ
Spiller County:	001
Spiller Contact:	MR LUDANA
Spiller Phone:	(914) 331-7498
Spiller Extention:	Not reported
DEC Region:	3
DER Facility ID:	219319
DEC Memo:	""
Remarks:	"SMALL SPILL ONTO CONCRETE FLOOR, CLEANED UP. TANK IS BEING PUMPED OUT."

Material:

Site ID:	269263
Operable Unit ID:	1037921
Operable Unit:	01
Material ID:	563901

LUDANA AND LUDANA (Continued) **S102448096**

Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	6.00
Units:	Gallons
Recovered:	6.00
Resource Affected:	Not reported
Oxygenate:	Not reported

Tank Test:

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102 North 1/4-1/2 0.290 mi. 1533 ft. **SPILL NUMBER 0107589** **NY LTANKS** **S105230025**
155 BRUYN AV **N/A**
KINGSTON, NY

Relative: Lower

Actual: 180 ft.

LTANKS:

Site ID:	115361
Spill Number/Closed Date:	0107589 / 2001-10-25
Spill Date:	2001-10-24
Spill Cause:	Tank Overfill
Spill Source:	Private Dwelling
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	True
SWIS:	5630
Investigator:	UNASSIGNED
Referred To:	Not reported
Reported to Dept:	2001-10-24
CID:	211
Water Affected:	Not reported
Spill Notifier:	Responsible Party
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	2001-10-24
Spill Record Last Update:	2004-09-20
Spiller Name:	JODI VOSBURGH
Spiller Company:	KINGSTON OIL SUPPLY
Spiller Address:	Not reported
Spiller City,St,Zip:	ZZ -
Spiller County:	001
Spiller Contact:	DELSON RES
Spiller Phone:	(845) 331-1739
Spiller Extention:	Not reported
DEC Region:	3
DER Facility ID:	100525
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was DISPATCH "
Remarks:	"appears to be historical spill of several cups - clean up crew enroute"

SPILL NUMBER 0107589 (Continued) **S105230025**

Material:

Site ID:	115361
Operable Unit ID:	845708
Operable Unit:	01
Material ID:	532404
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	1.00
Units:	Gallons
Recovered:	.00
Resource Affected:	Not reported
Oxygenate:	Not reported

Tank Test:

Y103 **E & R AUTOMOTIVE INC** **EDR Hist Auto** **1021827889**
ESE **82 PRINCE ST** **N/A**
1/4-1/2 **KINGSTON, NY 12401**
0.291 mi.
1536 ft. **Site 1 of 2 in cluster Y**

Relative:
Higher

Actual:
187 ft.

EDR Hist Auto

Year:	Name:	Type:
1998	E & R AUTOMOTIVE INC	General Automotive Repair Shops
1999	E & R AUTOMOTIVE INC	General Automotive Repair Shops
2000	E & R AUTOMOTIVE INC	General Automotive Repair Shops
2001	E & R AUTOMOTIVE INC	General Automotive Repair Shops
2002	E & R AUTOMOTIVE INC	General Automotive Repair Shops
2003	E & R AUTOMOTIVE INC	General Automotive Repair Shops
2004	E & R AUTOMOTIVE INC	General Automotive Repair Shops
2005	E & R AUTOMOTIVE INC	General Automotive Repair Shops
2006	E & R AUTOMOTIVE INC	General Automotive Repair Shops
2007	E & R AUTOMOTIVE INC	General Automotive Repair Shops

Y104 **SPILL NUMBER 0007750** **NY LTANKS** **S104782413**
ESE **82 PRINCE ST** **NY Spills** **N/A**
1/4-1/2 **KINGSTON, NY**
0.291 mi.
1536 ft. **Site 2 of 2 in cluster Y**

Relative:
Higher

Actual:
187 ft.

LTANKS:

Site ID:	171549
Spill Number/Closed Date:	0007750 / 2000-10-02
Spill Date:	2000-10-02
Spill Cause:	Tank Overfill
Spill Source:	Private Dwelling
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	True
SWIS:	5630

SPILL NUMBER 0007750 (Continued) **S104782413**

Investigator:	PJDECICC
Referred To:	Not reported
Reported to Dept:	2000-10-02
CID:	396
Water Affected:	Not reported
Spill Notifier:	Responsible Party
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	2000-10-02
Spill Record Last Update:	2000-10-03
Spiller Name:	JODI VOSBURGH
Spiller Company:	KINGSTON OIL SUPPLY
Spiller Address:	P.O. BOX 760
Spiller City,St,Zip:	PORT EWEN, NY 12466-
Spiller County:	001
Spiller Contact:	JODI VOSBURGH
Spiller Phone:	(914) 331-0770
Spiller Extention:	Not reported
DEC Region:	3
DER Facility ID:	144368
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was DECICCO "
Remarks:	"tank overfill...spill on black top. cleaned up."

Material:

Site ID:	171549
Operable Unit ID:	830262
Operable Unit:	01
Material ID:	545278
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	1.00
Units:	Gallons
Recovered:	1.00
Resource Affected:	Not reported
Oxygenate:	Not reported

Tank Test:

SPILLS:

Facility ID:	9207647
Facility Type:	ER
DER Facility ID:	108877
Site ID:	125880
DEC Region:	3
Spill Date:	1992-10-01
Spill Number/Closed Date:	9207647 / 1992-10-07
Spill Cause:	Unknown
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	5630

SPILL NUMBER 0007750 (Continued) **S104782413**

Investigator:	VPMCCABE
Referred To:	Not reported
Reported to Dept:	1992-10-01
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Unknown
Spill Notifier:	Fire Department
Cleanup Ceased:	1992-10-07
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	1992-10-07
Spill Record Last Update:	1992-10-07
Spiller Name:	Not reported
Spiller Company:	SAME
Spiller Address:	Not reported
Spiller City,St,Zip:	ZZ
Spiller Company:	001
Contact Name:	Not reported
Contact Phone:	Not reported
DEC Memo:	""
Remarks:	"STARTED TO SMOLDER ADDED SODIUM ASH TO NUTRILIZE NFA AS PER JOHN O'MARA"

Material:

Site ID:	125880
Operable Unit ID:	974462
Operable Unit:	01
Material ID:	408273
Material Code:	0066A
Material Name:	unknown petroleum
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	Not reported
Recovered:	.00
Resource Affected:	Not reported
Oxygenate:	Not reported

Tank Test:

105
NW
1/4-1/2
0.292 mi.
1542 ft.

KINGSTON AUTO SHOWCASE LTD **EDR Hist Auto** **1021165542**
184 ALBANY AVE **N/A**
KINGSTON, NY 12401

Relative:
Lower

Actual:
181 ft.

EDR Hist Auto

Year:	Name:	Type:
1991	KINGSTON AUTO SHOWCASE INC	Used Car Dealers, NEC
1992	KINGSTON AUTO SHOWCASE LTD	Used Car Dealers
1993	KINGSTON AUTO SHOWCASE LTD	Used Car Dealers
1994	KINGSTON AUTO SHOWCASE LTD	Used Car Dealers
1995	KINGSTON AUTO SHOWCASE LTD	Used Car Dealers

106
SE
1/4-1/2
0.301 mi.
1591 ft.

ADIR GARAGE
495 BROADWAY
KINGSTON, NY

NY LTANKS
NY Spills

S104621294
N/A

Relative:
Higher

Actual:
189 ft.

LTANKS:

Site ID:	247848
Spill Number/Closed Date:	9307465 / 1994-11-29
Spill Date:	1993-09-20
Spill Cause:	Tank Failure
Spill Source:	Commercial/Industrial
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased:	1994-11-29
Cleanup Meets Standard:	False
SWIS:	5630
Investigator:	RICCI
Referred To:	Not reported
Reported to Dept:	1993-09-20
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Responsible Party
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	1993-09-21
Spill Record Last Update:	1994-11-29
Spiller Name:	Not reported
Spiller Company:	Not reported
Spiller Address:	Not reported
Spiller City,St,Zip:	***Update***, ZZ
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	3
DER Facility ID:	203510
DEC Memo:	""
Remarks:	"POSSIBLE LINE LEAK LUZON TO TEST OIL ON PARKING LOT"

Material:

Site ID:	247848
Operable Unit ID:	986073
Operable Unit:	01
Material ID:	393725
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	Not reported
Recovered:	.00
Resource Affected:	Not reported
Oxygenate:	Not reported

Tank Test:

ADIR GARAGE (Continued) **S104621294**

Site ID:	247850
Spill Number/Closed Date:	9903340 / 2000-05-02
Spill Date:	1999-06-23
Spill Cause:	Tank Failure
Spill Source:	Commercial/Industrial
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	False
SWIS:	5630
Investigator:	RICCI
Referred To:	Not reported
Reported to Dept:	1999-06-23
CID:	257
Water Affected:	Not reported
Spill Notifier:	Other
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	True
Remediation Phase:	0
Date Entered In Computer:	1999-06-23
Spill Record Last Update:	2000-05-02
Spiller Name:	FRANK SCARPINATO
Spiller Company:	Not reported
Spiller Address:	495 BROADWAY
Spiller City,St,Zip:	KINGSTON, NY
Spiller County:	001
Spiller Contact:	FRANK SCARPINATO
Spiller Phone:	(518) 877-3092
Spiller Extention:	Not reported
DEC Region:	3
DER Facility ID:	203510
DEC Memo:	""
Remarks:	"CONTAMINATED SOIL FROM UNDERGROUND TANK "

Material:

Site ID:	247850
Operable Unit ID:	1082266
Operable Unit:	01
Material ID:	303265
Material Code:	0009
Material Name:	gasoline
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	Gallons
Recovered:	.00
Resource Affected:	Not reported
Oxygenate:	Not reported

Tank Test:

SPILLS:

Facility ID:	9608440
Facility Type:	ER

ADIR GARAGE (Continued) **S104621294**

DER Facility ID:	203510
Site ID:	247849
DEC Region:	3
Spill Date:	1996-06-26
Spill Number/Closed Date:	9608440 / 1998-12-30
Spill Cause:	Housekeeping
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	5630
Investigator:	RICCI
Referred To:	Not reported
Reported to Dept:	1996-10-07
CID:	266
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	1996-10-07
Spill Record Last Update:	2000-07-14
Spiller Name:	TOM STOLICHER
Spiller Company:	ADIRONDACK TRAILWAYS
Spiller Address:	495 BROADWAY
Spiller City,St,Zip:	KINGSTON, NY
Spiller Company:	001
Contact Name:	TOM STOLICHER
Contact Phone:	(914) 434-3509
DEC Memo:	""
Remarks:	"TANK REMOVAL. SUPERVISED BY LARRY RICCI OF NYS DEC. APPROXIMATELY 10 YARDS OF SOIL REMOVED."

Material:

Site ID:	247849
Operable Unit ID:	1036713
Operable Unit:	01
Material ID:	344179
Material Code:	0008
Material Name:	diesel
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	Gallons
Recovered:	.00
Resource Affected:	Not reported
Oxygenate:	Not reported

Tank Test:

Z107 **FABBIE BROS** **EDR Hist Auto** **1020797256**
NE **130 CORNELL ST** **N/A**
1/4-1/2 **KINGSTON, NY 12401**
0.304 mi.
1604 ft. **Site 1 of 2 in cluster Z**

Relative: EDR Hist Auto
Higher

Year:	Name:	Type:
1969	FABBIE BROS	Gasoline Service Stations
1970	FABBIE BROS	Gasoline Service Stations
1971	FABBIE BROS	Gasoline Service Stations
1972	FABBIE BROS	Gasoline Service Stations
1973	FABBIE BROS	Gasoline Service Stations
1974	FABBIE BROS	Gasoline Service Stations
1975	FABBIE BROS	Gasoline Service Stations

Actual:
185 ft.

Z108 **J & H SERVICE CENTER** **EDR Hist Auto** **1020961089**
NE **138 CORNELL ST** **N/A**
1/4-1/2 **KINGSTON, NY 12401**
0.304 mi.
1607 ft. **Site 2 of 2 in cluster Z**

Relative: EDR Hist Auto
Higher

Year:	Name:	Type:
1975	J & H SERVICE CENTER	Gasoline Service Stations
1976	J & H SERVICE CENTER	Gasoline Service Stations
1977	J & H SERVICE CENTER	Gasoline Service Stations
1978	J & H SERVICE CENTER	Gasoline Service Stations
1979	J & H SERVICE CENTER	Gasoline Service Stations
1980	J & H SERVICE CENTER	Gasoline Service Stations
1982	J & H SERVICE CENTER	Gasoline Service Stations
1983	J & H SERVICE CENTER	Gasoline Service Stations
1985	J & H SERVICE CENTER	Gasoline Service Stations
1986	J & H SERVICE CENTER	Gasoline Service Stations
1987	J & H SERVICE CENTER	Gasoline Service Stations
1988	J & H SERVICE CENTER	Gasoline Service Stations
1989	J & H SERVICE CENTER	Gasoline Service Stations
1990	J & H SERVICE CENTER	Gasoline Service Stations
1991	J & H SERVICE CENTER	Gasoline Service Stations
1992	J & H SERVICE CENTER	Gasoline Service Stations
1993	J & H SERVICE CENTER	Gasoline Service Stations
1994	J & H SERVICE CENTER	Gasoline Service Stations
1995	J & H SERVICE CENTER	Gasoline Service Stations
1996	J & H SERVICE CENTER	Gasoline Service Stations
1997	J & H SERVICE CENTER	Gasoline Service Stations
1998	J & H SERVICE CENTER	Gasoline Service Stations
1999	J & H SERVICE CENTER	Gasoline Service Stations
2000	J & H SERVICE CENTER	Gasoline Service Stations
2001	J & H SERVICE CENTER	Gasoline Service Stations
2002	J & H SERVICE CENTER	Gasoline Service Stations
2003	J & H SERVICE CENTER	Gasoline Service Stations
2004	J & H SERVICE CENTER	Gasoline Service Stations
2005	J & H SERVICE CENTER	Gasoline Service Stations
2006	J & H TIRE AND AUTO CENTER	Gasoline Service Stations
2007	J & H TIRE AND AUTO CENTER	Gasoline Service Stations
2008	J & H TIRE AND AUTO CENTER	Gasoline Service Stations
2009	J & H TIRE AND AUTO CENTER	Gasoline Service Stations
2010	J & H TIRE AND AUTO CENTER	Gasoline Service Stations

Actual:
186 ft.

J & H SERVICE CENTER (Continued) **1020961089**

2011	J & H TIRE AND AUTO CENTER	Gasoline Service Stations
2012	J & H TIRE AND AUTO CENTER	Gasoline Service Stations
2013	J & H TIRE AND AUTO CENTER	Gasoline Service Stations
2014	J & H TIRE AND AUTO CENTER	Gasoline Service Stations

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109 **RIOLS RESIDENCE** **NY LTANKS** **S100153547**
West **54 FRANKLIN STREET** **N/A**
1/4-1/2 **KINGSTON, NY**
0.312 mi.
1647 ft.

Relative:
Higher

Actual:
185 ft.

LTANKS:

Site ID:	97933
Spill Number/Closed Date:	9106103 / 1991-09-10
Spill Date:	1991-09-06
Spill Cause:	Tank Failure
Spill Source:	Private Dwelling
Spill Class:	Not reported
Cleanup Ceased:	1953-06-18
Cleanup Meets Standard:	True
SWIS:	5630
Investigator:	DVWEHRFR
Referred To:	Not reported
Reported to Dept:	1991-09-06
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Other
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	Not reported
Spill Record Last Update:	2003-12-02
Spiller Name:	Not reported
Spiller Company:	SAME
Spiller Address:	Not reported
Spiller City,St,Zip:	ZZ
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	3
DER Facility ID:	87183
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was WEHRFRITZ "
Remarks:	"CONTAINED ON CONCRETE A LEG BUCKLED REPLACE TANK AND CLEANED UP SPILL SPEEDI-DRY WAS APPLIED AND PADS ACCORDING TO AL CARR WHO WAS ON SITE"

Material:

Site ID:	97933
Operable Unit ID:	960441
Operable Unit:	01
Material ID:	421843
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported

RIOLS RESIDENCE (Continued) **S100153547**

Material FA:	Petroleum
Quantity:	5.00
Units:	Gallons
Recovered:	.00
Resource Affected:	Not reported
Oxygenate:	Not reported

Tank Test:

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110 SSW 1/4-1/2 0.325 mi. 1717 ft. **ARATEX CORP.** **NY LTANKS** **S102673584**
13 SOUTH PROSPECT STREET **N/A**
KINGSTON, NY

Relative: Lower

Actual: 181 ft.

LTANKS:

Site ID:	120706
Spill Number/Closed Date:	9006439 / 1990-09-13
Spill Date:	1990-09-10
Spill Cause:	Tank Overfill
Spill Source:	Commercial/Industrial
Spill Class:	Possible release with minimal potential for fire or hazard or Known release with no damage. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased:	1953-06-18
Cleanup Meets Standard:	True
SWIS:	5630
Investigator:	DUNN
Referred To:	Not reported
Reported to Dept:	1990-09-10
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Other
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	True
Remediation Phase:	0
Date Entered In Computer:	Not reported
Spill Record Last Update:	2003-12-02
Spiller Name:	Not reported
Spiller Company:	SAME
Spiller Address:	Not reported
Spiller City,St,Zip:	NY
Spiller County:	999
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	3
DER Facility ID:	104789
DEC Memo:	""
Remarks:	"CONTAMINATED SOIL FOUND DURING TANK REMOVAL P. DUNN ON SITE FOR INSPECTION 40 YARDS STOCKPILED ON PASTIC COMPANY GIVEN OK TO BACKFILL CONT. FOUND ON TOP BY GAS TANK ANDERSON TAKING SOIL TO CATSKILL"

Material:

Site ID:	120706

ARATEX CORP. (Continued) **S102673584**

Operable Unit ID:	947080
Operable Unit:	01
Material ID:	433897
Material Code:	0009
Material Name:	gasoline
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	Not reported
Recovered:	.00
Resource Affected:	Not reported
Oxygenate:	Not reported

Tank Test:

111
WSW
1/4-1/2
0.329 mi.
1738 ft.

PRIVATE HOME **NY LTANKS** **S106869287**
104 HENRY STREET **N/A**
KINGSTON, NY

Relative:
Higher

Actual:
184 ft.

LTANKS:

Site ID:	344271
Spill Number/Closed Date:	0501123 / 2005-04-27
Spill Date:	2005-04-27
Spill Cause:	Tank Overfill
Spill Source:	Private Dwelling
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	True
SWIS:	5600
Investigator:	DXWEITZ
Referred To:	Not reported
Reported to Dept:	2005-04-27
CID:	444
Water Affected:	Not reported
Spill Notifier:	Other
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	2005-04-27
Spill Record Last Update:	2005-05-13
Spiller Name:	JODI VOSBURGH
Spiller Company:	KINGSTON OIL SUPPLY
Spiller Address:	Not reported
Spiller City,St,Zip:	***Update***, ZZ
Spiller County:	001
Spiller Contact:	JODI VOSBURGH
Spiller Phone:	(845) 331-0770
Spiller Extention:	3106
DEC Region:	3
DER Facility ID:	290935
DEC Memo:	""
Remarks:	"2 CUPS LEAKED OUT AND IS ALL CLEANED UIP:"

PRIVATE HOME (Continued) **S106869287**

Material:

Site ID:	344271
Operable Unit ID:	1102919
Operable Unit:	01
Material ID:	583139
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	Gallons
Recovered:	.00
Resource Affected:	Not reported
Oxygenate:	Not reported

Tank Test:

AA112 **DE LUCA CLEANERS & DRYERS** **EDR Hist Cleaner** **1018708854**
ESE **68 PRINCE ST** **N/A**
1/4-1/2 **KINGSTON, NY 12401**
0.330 mi.
1742 ft. **Site 1 of 2 in cluster AA**

Relative:
Higher

Actual:
186 ft.

EDR Hist Cleaner

Year:	Name:	Type:
1973	DE LUCA CLEANERS & DRYERS	Drycleaning Plants, Except Rugs
1974	DE LUCA CLEANERS & DRYERS	Drycleaning Plants, Except Rugs
1975	DE LUCA CLEANERS & DRYERS	Drycleaning Plants, Except Rugs
1976	DE LUCA CLEANERS & DRYERS	Drycleaning Plants, Except Rugs
1977	DE LUCA CLEANERS & DRYERS	Drycleaning Plants, Except Rugs
1978	DE LUCA CLEANERS & DRYERS	Drycleaning Plants, Except Rugs
1979	DE LUCA CLEANERS & DRYERS	Drycleaning Plants, Except Rugs
1980	DE LUCA CLEANERS & DRYERS	Drycleaning Plants, Except Rugs
1982	DE LUCA CLEANERS & DRYERS	Drycleaning Plants, Except Rugs
1983	DE LUCA CLEANERS & DRYERS	Drycleaning Plants, Except Rugs
1985	DE LUCA CLEANERS & DRYERS	Drycleaning Plants, Except Rugs
1986	DE LUCA CLEANERS & DRYERS	Drycleaning Plants, Except Rugs
1987	DE LUCA CLEANERS & DRYERS	Drycleaning Plants, Except Rugs
1988	DE LUCA CLEANERS & DRYERS	Drycleaning Plants, Except Rugs
1989	DE LUCA CLEANERS & DRYERS	Drycleaning Plants, Except Rugs
1990	DE LUCA CLEANERS & DRYERS	Drycleaning Plants, Except Rugs
1991	DE LUCA CLEANERS & DRYERS	Drycleaning Plants, Except Rugs
1992	DE LUCA CLEANERS & DRYERS	Drycleaning Plants, Except Rugs
1993	DE LUCA CLEANERS & DRYERS	Drycleaning Plants, Except Rugs
1994	DE LUCA CLEANERS & DRYERS	Drycleaning Plants, Except Rugs
1995	DE LUCA CLEANERS & DRYERS	Drycleaning Plants, Except Rugs
1996	DE LUCA CLEANERS & DRYERS	Drycleaning Plants, Except Rugs
1997	DE LUCA CLEANERS & DRYERS	Drycleaning Plants, Except Rugs
1998	DE LUCA CLEANERS & DRYERS	Drycleaning Plants, Except Rugs
1999	DE LUCA CLEANERS & DRYERS	Drycleaning Plants, Except Rugs
2000	DE LUCA CLEANERS & DRYERS	Drycleaning Plants, Except Rugs
2001	DE LUCA CLEANERS & DRYERS	Drycleaning Plants, Except Rugs
2002	DE LUCA CLEANERS & DRYERS	Drycleaning Plants, Except Rugs
2003	DE LUCA CLEANERS & DRYERS	Drycleaning Plants, Except Rugs
2004	DE LUCA CLEANERS & DRYERS	Drycleaning Plants, Except Rugs

DE LUCA CLEANERS & DRYERS (Continued) **1018708854**

2005	DE LUCA CLEANERS & DRYERS	Drycleaning Plants, Except Rugs
2006	DE LUCA CLEANERS & DRYERS	Drycleaning Plants, Except Rugs
2007	DE LUCA CLEANERS & DRYERS	Drycleaning Plants, Except Rugs
2008	DE LUCA CLEANERS & DRYERS	Drycleaning Plants, Except Rugs
2009	DE LUCA CLEANERS & DRYERS	Drycleaning Plants, Except Rugs
2010	DE LUCA CLEANERS & DRYERS	Drycleaning Plants, Except Rugs
2011	DE LUCA CLEANERS & DRYERS	Drycleaning Plants, Except Rugs
2012	DE LUCA CLEANERS & DRYERS	Drycleaning Plants, Except Rugs

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AA113 **DELUCA CLEANERS** **RCRA-SQG** **1000554418**
ESE **68 PRINCE ST** **NY DRYCLEANERS** **NYD986968824**
1/4-1/2 **KINGSTON, NY 12401** **RI MANIFEST**
0.330 mi. **NY MANIFEST**
1742 ft. **Site 2 of 2 in cluster AA**

Relative: Higher

Actual: 186 ft.

RCRA-SQG:

Date form received by agency:	01/01/2007
Facility name:	DELUCA CLEANERS
Facility address:	68 PRINCE ST KINGSTON, NY 12401
EPA ID:	NYD986968824
Mailing address:	PRINCE ST KINGSTON, NY 12401
Contact:	Not reported
Contact address:	PRINCE ST KINGSTON, NY 12401
Contact country:	US
Contact telephone:	Not reported
Contact email:	Not reported
EPA Region:	02
Land type:	Facility is not located on Indian land. Additional information is not known.
Classification:	Small Small Quantity Generator
Description:	Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name:	VINCE DELUCA
Owner/operator address:	UNKNOWN UNKNOWN, NY 99999
Owner/operator country:	US
Owner/operator telephone:	212-555-1212
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	VINCE DELUCA
Owner/operator address:	UNKNOWN UNKNOWN, NY 99999
Owner/operator country:	US
Owner/operator telephone:	212-555-1212

DELUCA CLEANERS (Continued) **1000554418**

Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Site name: DELUCA CLEANERS
Classification: Small Quantity Generator

Date form received by agency: 07/14/1999
Site name: DELUCA CLEANERS
Classification: Small Quantity Generator

Date form received by agency: 07/30/1991
Site name: DELUCA CLEANERS
Classification: Large Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

Facility Has Received Notices of Violations:
Regulation violated: SR - Part 372.2(a)/(b)/373-3.9
Area of violation: Generators - General
Date violation determined: 03/14/2001
Date achieved compliance: 05/23/2001
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 03/23/2001
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

DELUCA CLEANERS (Continued) **1000554418**

Evaluation Action Summary:
Evaluation date: 03/14/2001
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 05/23/2001
Evaluation lead agency: State

DRYCLEANERS:
Facility ID: 3-5130-00074
Phone Number: 845-338-4741
Region: Not reported
Registration Effective Date: Not reported
Inspection Date: 13NOV6
Install Date: 98/13
Drop Shop: Not reported
Shutdown: Y
Alternate Solvent: Not reported
Current Business: Not reported

RI MANIFEST:
EPA Id: NYD986968824
Manifest Document Number: 002786248SKS
GEN Cert Date: 11/20/2011
TSDF Id: RID084802842
TSDF Name: SAFETY KLEEN
TSDF Date: 12/2/2011
Transporter 2 Id: NJD071629976
Transporter 2 Name: 12/2/2011
Transporter Receipt Date: 11/20/2011
Number Of Containers: 2
Container Type: DF
Waste Code1: D001
Waste Code2: D007
Waste Code3: D039
Fee Exempt Code: Not reported
Comment: Not reported

Details:
EPA ID: NYD986968824
Manifest Docket Number: 002786248SKS
Waste Description: COMBUSTIBLE LIQUID NOS
Quantity: 200
WT/Vol Units: P
Item Number: 1
Transporter Name: SAFETY KLEEN
Transporter EPA ID: TXR000050930
GEN Cert Date: 11/20/2011
Transporter Receipt Date: 11/20/2011
Transporter 2 Receipt Date: 12/2/2011
TSDF Receipt Date: 12/2/2011
Transporter 2 ID: NJD071629976

EPA ID: NYD986968824
Manifest Docket Number: 003031507SKS
Waste Description: COMBUSTIBLE LIQUID NOS
Quantity: 200
WT/Vol Units: P

DELUCA CLEANERS (Continued) **1000554418**

Item Number: 1
Transporter Name: SAFETY KLEEN
Transporter EPA ID: TXR000050930
GEN Cert Date: 9/1/2011
Transporter Receipt Date: 9/1/2011
Transporter 2 Receipt Date: 9/7/2011
TSDF Receipt Date: 9/9/2011
Transporter 2 ID: NYD980769947

EPA ID: NYD986968824
Manifest Docket Number: 003871658FLE
Waste Description: COMBUSTIBLE LIQUID NOS
Quantity: 372
WT/Vol Units: P
Item Number: 1
Transporter Name: SAFETY KLEEN
Transporter EPA ID: TXR000050930
GEN Cert Date: 10/8/2010
Transporter Receipt Date: 10/8/2010
Transporter 2 Receipt Date: 10/20/2010
TSDF Receipt Date: 10/20/2010
Transporter 2 ID: NJD071629976

EPA ID: NYD986968824
Manifest Docket Number: 003871658FLE
Waste Description: COMBUSTIBLE LIQUID NOS
Quantity: 372
WT/Vol Units: P
Item Number: 1
Transporter Name: SAFETY KLEEN
Transporter EPA ID: TXR000050930
GEN Cert Date: 10/8/2010
Transporter Receipt Date: 10/8/2010
Transporter 2 Receipt Date: 10/20/2010
TSDF Receipt Date: 10/20/2010
Transporter 2 ID: NJD071629976

NY MANIFEST:
Country: USA
EPA ID: NYD986968824
Facility Status: Not reported
Location Address 1: 68 PRINCE STREET
Code: BP
Location Address 2: Not reported
Total Tanks: Not reported
Location City: KINGSTON
Location State: NY
Location Zip: 12401
Location Zip 4: Not reported

NY MANIFEST:
EPAID: NYD986968824
Mailing Name: DELUCA CLEANERS
Mailing Contact: V P DELUCA
Mailing Address 1: 68 PRINCE STREET
Mailing Address 2: Not reported

DELUCA CLEANERS (Continued) **1000554418**

Mailing City:	KINGSTON
Mailing State:	NY
Mailing Zip:	12401
Mailing Zip 4:	Not reported
Mailing Country:	USA
Mailing Phone:	9143384741

NY MANIFEST:

Document ID:	Not reported
Manifest Status:	Not reported
seq:	Not reported
Year:	2012
Trans1 State ID:	TXR000050930
Trans2 State ID:	Not reported
Generator Ship Date:	05/09/2012
Trans1 Recv Date:	05/09/2012
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	05/18/2012
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD986968824
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID 1:	RID084802842
TSDF ID 2:	Not reported
Manifest Tracking Number:	003123796SKS
Import Indicator:	N
Export Indicator:	N
Discr Quantity Indicator:	N
Discr Type Indicator:	N
Discr Residue Indicator:	N
Discr Partial Reject Indicator:	N
Discr Full Reject Indicator:	N
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	H020
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	500.0
Units:	P - Pounds
Number of Containers:	5.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	1.0
Waste Code:	D001
Waste Code 1_2:	D007
Waste Code 1_3:	D039
Waste Code 1_4:	D040
Waste Code 1_5:	Not reported
Waste Code 1_6:	Not reported

DELUCA CLEANERS (Continued) **1000554418**

Click this hyperlink while viewing on your computer to access
202 additional NY_MANIFEST: record(s) in the EDR Site Report.

114
ENE
1/4-1/2
0.334 mi.
1763 ft.

HUCK INTL INC
85 GRAND ST
KINGSTON, NY 12401

NY LTANKS **1000266777**
NY VCP **NYD002091239**
NY Spills
RCRA NonGen / NLR
NY MANIFEST

Relative:
Higher

Actual:
186 ft.

LTANKS:

Site ID:	262073
Spill Number/Closed Date:	8702421 / 1987-07-13
Spill Date:	1987-06-24
Spill Cause:	Tank Test Failure
Spill Source:	Commercial/Industrial
Spill Class:	Not reported
Cleanup Ceased:	1987-07-13
Cleanup Meets Standard:	True
SWIS:	5630
Investigator:	jeokesso
Referred To:	Not reported
Reported to Dept:	1987-06-24
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	1987-07-13
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	1987-06-29
Spill Record Last Update:	1987-07-29
Spiller Name:	Not reported
Spiller Company:	HUCK MFG
Spiller Address:	SAME
Spiller City,St,Zip:	ZZ
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	3
DER Facility ID:	214020
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was OKESSON / / : TO EXCAVATE AND RETEST. / / : 7/13/87-EXCAVATED HOLE-CLEAN-BACKFILLING-NFA. "
Remarks:	"TTTF"

Material:

Site ID:	262073
Operable Unit ID:	908935
Operable Unit:	01
Material ID:	468711
Material Code:	0002A
Material Name:	#4 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00

HUCK INTL INC (Continued) **1000266777**

Units: Not reported
Recovered: .00
Resource Affected: Not reported
Oxygenate: Not reported

Tank Test:
Site ID: 262073
Spill Tank Test: 1531008
Tank Number: Not reported
Tank Size: 0
Test Method: 00
Leak Rate: .00
Gross Fail: Not reported
Modified By: Spills
Last Modified: Not reported
Test Method: Unknown

Site ID: 262074
Spill Number/Closed Date: 8702581 / 1987-07-13
Spill Date: 1987-06-30
Spill Cause: Tank Test Failure
Spill Source: Commercial/Industrial
Spill Class: Not reported
Cleanup Ceased: 1987-07-13
Cleanup Meets Standard: True
SWIS: 5630
Investigator: DVWEHRFR
Referred To: Not reported
Reported to Dept: 1987-06-30
CID: Not reported
Water Affected: Not reported
Spill Notifier: Responsible Party
Last Inspection: 1987-07-13
Recommended Penalty: False
UST Involvement: False
Remediation Phase: 0
Date Entered In Computer: 1987-07-04
Spill Record Last Update: 1987-07-28
Spiller Name: Not reported
Spiller Company: HUCK MFG
Spiller Address: SAME
Spiller City,St,Zip: ZZ
Spiller County: 001
Spiller Contact: Not reported
Spiller Phone: Not reported
Spiller Extention: Not reported
DEC Region: 3
DER Facility ID: 214020
DEC Memo: "Prior to Sept, 2004 data translation this spill Lead_DEC Field was WEHRFRITZ / / : 7/13/87-RETEST FAILED-SAME AS SPILL 87-2421-SEE FOR UPDATES-NFA. "
Remarks: ""

Material:
Site ID: 262074

HUCK INTL INC (Continued) **1000266777**

Operable Unit ID:	906767
Operable Unit:	01
Material ID:	468855
Material Code:	0002A
Material Name:	#4 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	Not reported
Recovered:	.00
Resource Affected:	Not reported
Oxygenate:	Not reported

Tank Test:

Site ID:	262074
Spill Tank Test:	1531035
Tank Number:	Not reported
Tank Size:	0
Test Method:	00
Leak Rate:	.00
Gross Fail:	Not reported
Modified By:	Spills
Last Modified:	Not reported
Test Method:	Unknown

VCP:

Program Type:	VCP
Site Code:	56863
HW Code:	V00171
Site Class:	A
SWIS:	5608
Region:	3
Town:	Kingston (c)
Acres:	Not reported
Date Record Added:	11/30/2000
Date Record Updated:	10/18/2016
Updated By:	AMOMOROG
Site Description:	Location: The Federal-Mogul Site is located at 85 Grand Street in the city of Kingston in Ulster County. Site Features: The site consists of two buildings, a former manufacturing building and an attached office building, together occupying 105,000 square feet of the 4.5-acre site. The remainder of the site consists of paved parking lots, access roads and a grassy area near the office building. Current Zoning and Land Use: The site is located in a mixed light-industrial, commercial, and residential area, with residences located both northeast and southeast of the site. All properties within a one-mile radius of the site are serviced by municipal water. Currently, Allways Moving and Storage uses the site for their moving and indoor self-storage business. Past Use of the Site: The site has been used for nearly 100 years for automotive, electrical, and refrigeration supplies manufacturing. Chlorinated VOCs, SVOCs, metals, and PCBs have been identified in the soil and storm sewer sediment at the site, while metals and VOCs have also been identified in the groundwater at the site. The soil and storm sewer sediment contamination resulted from various manufacturing processes that are

HUCK INTL INC (Continued) **1000266777**

known to have occurred at the site, including metal finishing, heat treating, and degreasing. Site Geology and Hydrogeology: Site soils generally consist of 0 to 3 feet of sand or sand and gravel fill material, followed by poorly sorted sand grading to silty sand down to approximately 68 feet below the ground surface (bgs), all of which is underlain by at least 10 feet of hard clay. The shallow water bearing zone is located approximately 15 to 20 feet bgs. Groundwater flows in a westerly direction across the site area.

Env Problem: Nature and Extent of Contamination: Based upon investigations conducted to date, the primary contaminants of concern include chlorinated VOCs, namely trichloroethene (TCE) and tetrachloroethene (PCE). Soil - Numerous soil borings were installed on-site from 2002 to 2008 to delineate the horizontal and vertical extent of VOCs in the soil. Based on the results of these investigations, the primary VOCs detected in the on-site soils were TCE, PCE and cis-1,2-dichloroethene (cis-1,2-DCE). They were found at several locations in shallow and deeper soils at concentrations above the soil cleanup objectives (SCOs) established for these compounds. Groundwater - Several groundwater investigations have been performed in relation to this site from 2002 through 2011. These investigations found the highest VOC concentrations in groundwater in two areas located under the former manufacturing building. VOCs detected in the groundwater include PCE, TCE, and their breakdown products. Quarterly groundwater monitoring was initiated in late 2012, at which time total VOCs were found at one on-site location in excess of 10,150 ppb. Since 2012 total VOC levels found in off-site wells located downgradient from the site ranged from non-detect to approximately 160 ppb. Evaluation of the vertical extent of VOCs in the groundwater indicated VOC levels above the New York State ambient water quality standards were confined mainly to the upper ten feet of the groundwater table. Soil Vapor and Indoor Air Soil vapor was found to be impacted by site-related contamination. A soil vapor extraction (SVE) system and a sub-slab depressurization system (SSDS) were installed and brought on-line during 2004-2005 to address shallow soil vapor impacts in the on-site parking areas located adjacent to Grand Street and indoor air impacts to an on-site office building. In addition, SSDSs have been installed in 16 off-site locations to address off-site indoor air impacts.

Health Problem: The main building is primarily used as a self-storage business. VOC-contaminated soils, groundwater, and soil vapor were identified on-site under the building and indoor air samples also contained elevated levels of volatiles. A soil-vapor extraction system was installed and is operating beneath the building. Concentrations of volatiles in the indoor air have declined since the system began operation. Additional remedial strategies are being evaluated. A second building on the property is used as office space. Elevated concentrations of VOCs were detected in the soil vapor and indoor air. A sub-slab depressurization system was installed and has reduced contaminant levels to background or below. The area is served by public water.

Dump: False
Structure: False
Lagoon: False
Landfill: False
Pond: False
Disp Start: Not reported
Disp Term: Not reported

HUCK INTL INC (Continued) **1000266777**

Lat/Long:	Not reported
Dell:	Not reported
Record Add:	10/18/2012 4:07:00 PM
Record Upd:	10/18/2012 4:07:00 PM
Updated By:	ldennist
Own Op:	Document Repository
Sub Type:	C01
Owner Name:	Margie Menard
Owner Company:	Kingston Library
Owner Address:	55 Franklin Street
Owner Addr2:	Not reported
Owner City,St,Zip:	Kingston, NY 12401-0494
Owner Country:	United States of America
Own Op:	Applicant/Requestor
Sub Type:	P03
Owner Name:	Mark T. Bauer, P.E.
Owner Company:	Federal-Mogul Corporation
Owner Address:	27300 West Eleven Mile Road
Owner Addr2:	Not reported
Owner City,St,Zip:	Southfield, MI 48034
Owner Country:	United States of America
Own Op:	Document Repository
Sub Type:	B99
Owner Name:	Michael J. Knipfing
Owner Company:	NYSDEC Region 3
Owner Address:	21 South Putt Corners Road
Owner Addr2:	Not reported
Owner City,St,Zip:	New Paltz, NY 12561-1696
Owner Country:	United States of America
HW Code:	V00171
Waste Type:	Hazardous Substances
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
Crossref ID:	00-TEMP-00-62(I
Cross Ref Type Code:	20
Cross Ref Type:	Haz. Substance ID
Record Added Date:	11/30/2000 4:07:00 PM
Record Updated:	2/24/2005 3:54:00 PM
Updated By:	VCPTRANS
Crossref ID:	3-174521
Cross Ref Type Code:	18
Cross Ref Type:	PBS No.
Record Added Date:	1/18/2011 5:55:00 PM
Record Updated:	1/18/2011 5:55:00 PM
Updated By:	JPCUMMIN

SPILLS:

Facility ID:	9307530
Facility Type:	ER
DER Facility ID:	266074
Site ID:	330800
DEC Region:	3
Spill Date:	1993-09-20
Spill Number/Closed Date:	9307530 / 1994-11-29
Spill Cause:	Equipment Failure
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.

HUCK INTL INC (Continued) **1000266777**

SWIS:	5630
Investigator:	RICCI
Referred To:	Not reported
Reported to Dept:	1993-09-21
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Responsible Party
Cleanup Ceased:	1994-11-29
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	1993-09-22
Spill Record Last Update:	1994-11-29
Spiller Name:	Not reported
Spiller Company:	Not reported
Spiller Address:	Not reported
Spiller City,St,Zip:	***Update***, ZZ
Spiller Company:	001
Contact Name:	Not reported
Contact Phone:	Not reported
DEC Memo:	""
Remarks:	"55 GAL DRUM LEAKING SLOWLY SPILL CONTAINED ON PAVEMENT TO TEST WATER REMAINING IN DRUM MOST OF SPILL EVAPORATED"

Material:

Site ID:	330800
Operable Unit ID:	986108
Operable Unit:	01
Material ID:	393789
Material Code:	0066A
Material Name:	unknown petroleum
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	30.00
Units:	Gallons
Recovered:	.00
Resource Affected:	Not reported
Oxygenate:	Not reported

Tank Test:

Facility ID:	9309732
Facility Type:	ER
DER Facility ID:	266074
Site ID:	330801
DEC Region:	3
Spill Date:	1992-11-11
Spill Number/Closed Date:	9309732 / 1994-11-29
Spill Cause:	Housekeeping
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	5630
Investigator:	RICCI

HUCK INTL INC (Continued) **1000266777**

Referred To:	Not reported
Reported to Dept:	1993-11-11
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Major Facility (MOSF) > 400,000 gal
Spill Notifier:	Responsible Party
Cleanup Ceased:	1994-11-29
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	1993-11-18
Spill Record Last Update:	1994-11-29
Spiller Name:	Not reported
Spiller Company:	SAME
Spiller Address:	Not reported
Spiller City,St,Zip:	ZZ
Spiller Company:	001
Contact Name:	Not reported
Contact Phone:	Not reported
DEC Memo:	""
Remarks:	"HISTORIC SPILL 100 YEARS OLD REFER TO HSWR"

Material:

Site ID:	330801
Operable Unit ID:	991251
Operable Unit:	01
Material ID:	392384
Material Code:	0064A
Material Name:	unknown material
Case No.:	Not reported
Material FA:	Other
Quantity:	.00
Units:	Not reported
Recovered:	.00
Resource Affected:	Not reported
Oxygenate:	Not reported

Tank Test:

Facility ID:	9011875
Facility Type:	ER
DER Facility ID:	230212
Site ID:	283835
DEC Region:	3
Spill Date:	1991-02-12
Spill Number/Closed Date:	9011875 / 1991-03-19
Spill Cause:	Human Error
Spill Class:	Not reported
SWIS:	5600
Investigator:	DVWEHRFR
Referred To:	Not reported
Reported to Dept:	1991-02-12
CID:	Not reported
Water Affected:	Not reported

HUCK INTL INC (Continued) **1000266777**

Spill Source:	Commercial/Industrial
Spill Notifier:	Responsible Party
Cleanup Ceased:	1953-06-18
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	1991-02-15
Spill Record Last Update:	1991-06-25
Spiller Name:	Not reported
Spiller Company:	SAME
Spiller Address:	Not reported
Spiller City,St,Zip:	NY
Spiller Company:	999
Contact Name:	Not reported
Contact Phone:	Not reported
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was WEHRFRITZ 09/27/95: This is additional information about material spilled from the translation of the old spill file: WASTE SODIUM HYDRO. "
Remarks:	"MATERIAL SPILLED FROM A 55 GAL DRUM AFTER IT TIPPED OVER CONTAINED WITH ABSORBENT MATERIAL AND VACCED UP OVER 45 GAL WAS RECOVERED AND THE REMAINING WAS SOAKED INTO THE PADS AND CONCRETE NO ODOR,FUMES"

Material:

Tank Test:

RCRA NonGen / NLR:

Date form received by agency:	01/01/2007
Facility name:	HUCK INTL INC
Facility address:	85 GRAND ST KINGSTON, NY 12401
EPA ID:	NYD002091239
Mailing address:	GRAND ST KINGSTON, NY 12401
Contact:	Not reported
Contact address:	GRAND ST KINGSTON, NY 12401
Contact country:	US
Contact telephone:	Not reported
Contact email:	Not reported
EPA Region:	02
Land type:	Facility is not located on Indian land. Additional information is not known.
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	FEDERAL MOGUL CORP
Owner/operator address:	26555 NORTHWESTERN HWY SOUTHFIELD, MI 48034
Owner/operator country:	US
Owner/operator telephone:	313-354-7700
Owner/operator email:	Not reported

HUCK INTL INC (Continued) **1000266777**

Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: FEDERAL MOGUL CORP
Owner/operator address: 26555 NORTHWESTERN HWY
SOUTHFIELD, MI 48034
Owner/operator country: US
Owner/operator telephone: 313-354-7700
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Site name: HUCK INTL INC
Classification: Not a generator, verified

Date form received by agency: 09/07/1999
Site name: HUCK INTL INC
Classification: Not a generator, verified

Date form received by agency: 02/25/1998
Site name: HUCK INTERNATIONAL, INC., I.S.D.
Classification: Large Quantity Generator

Date form received by agency: 03/28/1996
Site name: HUCK INTERNATIONAL INC
Classification: Large Quantity Generator

Date form received by agency: 04/04/1994
Site name: HUCK INTERNATIONAL, INC.

HUCK INTL INC (Continued) **1000266777**

Classification: Large Quantity Generator

Date form received by agency: 08/07/1992
Site name: HUCK INTL INC
Classification: Large Quantity Generator

. Waste code: D000
. Waste name: Not Defined

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D010
. Waste name: SELENIUM

. Waste code: F002
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F005
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: X001
. Waste name: WASTE OILS

Date form received by agency: 04/16/1992
Site name: HUCK INTLINC
Classification: Large Quantity Generator

HUCK INTL INC (Continued) **1000266777**

Date form received by agency: 03/01/1990
Site name: HUCK MANUFACTURING COMPANY
Classification: Large Quantity Generator

Facility Has Received Notices of Violations:
Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 08/16/1999
Date achieved compliance: 12/01/1999
Violation lead agency: EPA
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 11/05/1999
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: LDR - General
Date violation determined: 07/05/1994
Date achieved compliance: 09/23/1994
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 07/05/1994
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 07/05/1994
Date achieved compliance: 09/23/1994
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 07/05/1994
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 05/16/1990
Date achieved compliance: 10/22/1990
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 06/20/1990
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State

HUCK INTL INC (Continued) **1000266777**

Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:
Evaluation date: 08/16/1999
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 12/01/1999
Evaluation lead agency: EPA

Evaluation date: 03/25/1994
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 09/23/1994
Evaluation lead agency: State

Evaluation date: 03/25/1994
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: LDR - General
Date achieved compliance: 09/23/1994
Evaluation lead agency: State

Evaluation date: 05/16/1990
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 10/22/1990
Evaluation lead agency: State

NY MANIFEST:
Country: USA
EPA ID: NYD002091239
Facility Status: Not reported
Location Address 1: 85 GRAND STREET
Code: BP
Location Address 2: Not reported
Total Tanks: Not reported
Location City: KINGSTON
Location State: NY
Location Zip: 12401
Location Zip 4: Not reported

NY MANIFEST:
EPAID: NYD002091239
Mailing Name: HUCK INTERNATIONAL INCORPORATED
Mailing Contact: WILLIAM R SHORT
Mailing Address 1: 85 GRAND STREET
Mailing Address 2: Not reported
Mailing City: KINGSTON
Mailing State: NY
Mailing Zip: 12401
Mailing Zip 4: Not reported
Mailing Country: USA
Mailing Phone: 9143317300

NY MANIFEST:
Document ID: MDC0904408

HUCK INTL INC (Continued) **1000266777**

Manifest Status:	Not reported
seq:	01
Year:	2002
Trans1 State ID:	Not reported
Trans2 State ID:	HWH382004
Generator Ship Date:	07/29/2002
Trans1 Recv Date:	07/29/2002
Trans2 Recv Date:	08/05/2002
TSD Site Recv Date:	08/07/2002
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD002091239
Trans1 EPA ID:	MAD039322250
Trans2 EPA ID:	OHD009865825
TSDF ID 1:	MDD980555189
TSDF ID 2:	Not reported
Manifest Tracking Number:	Not reported
Import Indicator:	Not reported
Export Indicator:	Not reported
Discr Quantity Indicator:	Not reported
Discr Type Indicator:	Not reported
Discr Residue Indicator:	Not reported
Discr Partial Reject Indicator:	Not reported
Discr Full Reject Indicator:	Not reported
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	Not reported
Waste Code:	D007 - CHROMIUM 5.0 MG/L TCLP
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	00200
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Waste Code:	D040 - TRICHLOROETHYLENE 0.5 MG/L TCLP
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	00100
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00

Click this hyperlink while viewing on your computer to access
50 additional NY_MANIFEST: record(s) in the EDR Site Report.

115
WNW
1/4-1/2
0.336 mi.
1775 ft.

BOSTON CLEANERS & DYERS
732 BROADWAY
KINGSTON, NY 12401

EDR Hist Cleaner **1019941967**
N/A

Relative:
Lower

Actual:
181 ft.

EDR Hist Cleaner

Year:	Name:	Type:
1969	BOSTON CLEANERS & DYERS	Drycleaning Plants, Except Rugs
1970	BOSTON CLEANERS & DYERS	Drycleaning Plants, Except Rugs
1971	BOSTON CLEANERS & DYERS	Drycleaning Plants, Except Rugs
1972	BOSTON CLEANERS & DYERS	Drycleaning Plants, Except Rugs
1973	BOSTON CLEANERS & DYERS	Drycleaning Plants, Except Rugs
1974	BOSTON CLEANERS & DYERS	Drycleaning Plants, Except Rugs
1975	BOSTON CLEANERS & DYERS	Drycleaning Plants, Except Rugs

116
ESE
1/4-1/2
0.341 mi.
1801 ft.

C. KINGSTON
464 HASBROCK AVE
KINGSTON, NY

NY LTANKS **S102660768**
N/A

Relative:
Higher

Actual:
186 ft.

LTANKS:

Site ID:	299769
Spill Number/Closed Date:	8706155 / 1990-01-30
Spill Date:	1987-10-20
Spill Cause:	Tank Failure
Spill Source:	Institutional, Educational, Gov., Other
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased:	1990-01-30
Cleanup Meets Standard:	True
SWIS:	5630
Investigator:	DUNN
Referred To:	Not reported
Reported to Dept:	1987-10-21
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	True
Remediation Phase:	0
Date Entered In Computer:	1987-09-27
Spill Record Last Update:	1990-01-30
Spiller Name:	Not reported
Spiller Company:	SAME
Spiller Address:	Not reported
Spiller City,St,Zip:	ZZ
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	3
DER Facility ID:	242490
DEC Memo:	""
Remarks:	""

C. KINGSTON (Continued) **S102660768**

Material:

Site ID:	299769
Operable Unit ID:	909938
Operable Unit:	01
Material ID:	465179
Material Code:	0008
Material Name:	diesel
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	Not reported
Recovered:	.00
Resource Affected:	Not reported
Oxygenate:	Not reported

Tank Test:

117
South
1/4-1/2
0.344 mi.
1816 ft.

BUZZANCO ANTHONY **EDR Hist Auto** **1020490020**
47 SUMMER ST **N/A**
KINGSTON, NY 12401

Relative:
Lower

Actual:
178 ft.

EDR Hist Auto

Year:	Name:	Type:
1982	BUZZANCO ANTHONY	General Automotive Repair Shops
1983	BUZZANCO ANTHONY	General Automotive Repair Shops
1985	BUZZANCO ANTHONY	General Automotive Repair Shops
1986	BUZZANCO ANTHONY	General Automotive Repair Shops
1987	BUZZANCO ANTHONY	General Automotive Repair Shops
1988	BUZZANCO ANTHONY	General Automotive Repair Shops
1989	BUZZANCO ANTHONY	General Automotive Repair Shops
1990	BUZZANCO ANTHONY	General Automotive Repair Shops
1991	BUZZANCO ANTHONY	General Automotive Repair Shops
1992	BUZZANCO ANTHONY	General Automotive Repair Shops
1993	BUZZANCO ANTHONY	General Automotive Repair Shops

118
WSW
1/4-1/2
0.357 mi.
1883 ft.

ITHACA DYEWORKS **EDR Hist Cleaner** **1020010274**
116 HENRY ST **N/A**
KINGSTON, NY 12401

Relative:
Higher

Actual:
184 ft.

EDR Hist Cleaner

Year:	Name:	Type:
2003	ITHACA DYEWORKS	Piece Goods And Other Fabrics
2004	ITHACA DYEWORKS	Piece Goods And Other Fabrics
2005	ITHACA DYEWORKS	Piece Goods And Other Fabrics
2006	ITHACA DYEWORKS	Piece Goods And Other Fabrics
2007	ITHACA DYEWORKS	Piece Goods And Other Fabrics
2008	ITHACA DYEWORKS	Piece Goods And Other Fabrics
2009	ITHACA DYEWORKS	Piece Goods And Other Fabrics

ITHACA DYEWORKS (Continued) **1020010274**

2010	ITHACA DYEWORKS	Piece Goods And Other Fabrics
2011	ITHACA DYEWORKS	Piece Goods And Other Fabrics
2012	ITHACA DYEWORKS	Piece Goods And Other Fabrics
2013	ITHACA DYEWORKS	Piece Goods And Other Fabrics

AB119 **SMITHS SERVICE STATION** **EDR Hist Auto** **1021790540**
SE **465 BROADWAY** **N/A**
1/4-1/2 **KINGSTON, NY 12401**
0.360 mi.
1902 ft. **Site 1 of 2 in cluster AB**

Relative:
Higher

Actual:
193 ft.

EDR Hist Auto

Year:	Name:	Type:
1978	SMITHS SERVICE STATION	Gasoline Service Stations
1979	SMITHS SERVICE STATION	Gasoline Service Stations
1980	SMITHS SERVICE STATION	Gasoline Service Stations
1982	SMITHS SERVICE STATION	Gasoline Service Stations
1983	SMITHS SERVICE STATION	Gasoline Service Stations

AB120 **465 BROADWAY** **NY LTANKS** **S104191704**
SE **465 BROADWAY** **N/A**
1/4-1/2 **KINGSTON, NY**
0.360 mi.
1902 ft. **Site 2 of 2 in cluster AB**

Relative:
Higher

Actual:
193 ft.

LTANKS:

Site ID:	199387
Spill Number/Closed Date:	9905768 / 2000-05-02
Spill Date:	1999-06-13
Spill Cause:	Tank Failure
Spill Source:	Gasoline Station or other PBS Facility
Spill Class:	Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	False
SWIS:	5630
Investigator:	dxtraver
Referred To:	Not reported
Reported to Dept:	1999-08-13
CID:	389
Water Affected:	Not reported
Spill Notifier:	Other
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	True
Remediation Phase:	0
Date Entered In Computer:	1999-08-13
Spill Record Last Update:	2000-05-02
Spiller Name:	Not reported
Spiller Company:	SMITHY MOBIL
Spiller Address:	465 BROADWAY
Spiller City,St,Zip:	KINGSTON, NY
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported

465 BROADWAY (Continued) **S104191704**

Spiller Extention: Not reported
DEC Region: 3
DER Facility ID: 165949
DEC Memo: "Prior to Sept, 2004 data translation this spill Lead_DEC Field was TRAVER NFA LETTER SENT 5/2/00."
Remarks: "CALLER STATES THIS SPILL OCCURED BACK IN JUNE OF THIS YEAR BUT WAS POSS FOUND OR STARTED PRIOR TO 1989 SPILL WAS THE RESULT OF A POSS GAS TANK LEAK UNDERGROUND GAS STATION IS NOW CLOSED CALLER MET WITH REGION 3 TODAY AND WAS ADVISED TO PUT IN 4 MORE GEO PROBES INTO GROUND NO CLEAN UP AS OF YET NO CALLBACK NECESSARY"

Material:
Site ID: 199387
Operable Unit ID: 1080215
Operable Unit: 01
Material ID: 302056
Material Code: 0009
Material Name: gasoline
Case No.: Not reported
Material FA: Petroleum
Quantity: .00
Units: Gallons
Recovered: .00
Resource Affected: Not reported
Oxygenate: Not reported

Tank Test:

121
NNW
1/4-1/2
0.362 mi.
1911 ft.

CHASE STANLEY E **EDR Hist Auto** **1020717251**
232 ALBANY AVE EXT **N/A**
KINGSTON, NY 12401

Relative:
Higher

Actual:
184 ft.

EDR Hist Auto

Year:	Name:	Type:
1969	CHASE STANLEY E	General Automotive Repair Shops
1970	CHASE STANLEY E	General Automotive Repair Shops

122
South
1/4-1/2
0.363 mi.
1919 ft.

CHAFFE FRANK C JR **EDR Hist Auto** **1021108064**
9 S STERLING ST **N/A**
KINGSTON, NY 12401

Relative:
Higher

Actual:
182 ft.

EDR Hist Auto

Year:	Name:	Type:
1969	CHAFFE FRANK C JR	General Automotive Repair Shops
1970	CHAFFE FRANK C JR	General Automotive Repair Shops
1971	CHAFFE FRANK C JR	General Automotive Repair Shops
1972	CHAFFE FRANK C JR	General Automotive Repair Shops

AC123 **KINGSTON POINT SLF** **NY SWF/LF** **S102919301**
ESE **25 EAST O'REILLY ST** **N/A**
1/4-1/2 **KINGSTON, NY 00000**
0.368 mi.
1944 ft. **Site 1 of 2 in cluster AC**

Relative:
Higher

Actual:
186 ft.

SWF/LF:

Flag:	INACTIVE
Region Code:	3
Phone Number:	Not reported
Owner Name:	CITY OF KINGSTON
Owner Type:	Municipal
Owner Address:	25 EAST O'REILLY ST
Owner Addr2:	Not reported
Owner City,St,Zip:	KINGSTON, NY 12401
Owner Email:	Not reported
Owner Phone:	Not reported
Contact Name:	Not reported
Contact Address:	Not reported
Contact Addr2:	Not reported
Contact City,St,Zip:	Not reported
Contact Email:	Not reported
Contact Phone:	Not reported
Activity Desc:	Landfill - municipal solid waste
Activity Number:	[56S08]
Active:	No
East Coordinate:	586321
North Coordinate:	4642311
Accuracy Code:	Not reported
Regulatory Status:	None
Waste Type:	Not reported
Authorization #:	0
Authorization Date:	Not reported
Expiration Date:	Not reported

AC124 **KINGSTON FD** **NY LTANKS** **S100137305**
ESE **19 EAST O'REILY ST.** **N/A**
1/4-1/2 **KINGSTON, NY**
0.368 mi.
1944 ft. **Site 2 of 2 in cluster AC**

Relative:
Higher

Actual:
188 ft.

LTANKS:

Site ID:	203480
Spill Number/Closed Date:	8808070 / 1989-01-24
Spill Date:	1989-01-10
Spill Cause:	Tank Failure
Spill Source:	Institutional, Educational, Gov., Other
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased:	1989-01-10
Cleanup Meets Standard:	True
SWIS:	5630
Investigator:	dvwehrfr
Referred To:	Not reported
Reported to Dept:	1989-01-10
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Responsible Party
Last Inspection:	1989-01-10
Recommended Penalty:	False

KINGSTON FD (Continued) **S100137305**

UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	1989-01-24
Spill Record Last Update:	1997-10-07
Spiller Name:	Not reported
Spiller Company:	KINGSTON FD
Spiller Address:	19 EAST O'REILY STREET
Spiller City,St,Zip:	KINGSTON, NY 12401
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	3
DER Facility ID:	169216
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was D. WEHRFRITZ "
Remarks:	"WASTE OIL TANK. SEAM OPENED. SAWDUST PLACED. CONTRACTOR COMING TO PUMP OUT TANK. FD TO CLEANUP AND DISPOSE. NFA"

Material:

Site ID:	203480
Operable Unit ID:	924495
Operable Unit:	01
Material ID:	452835
Material Code:	0024B
Material Name:	2-propanone
Case No.:	00067641
Material FA:	Hazardous Material
Quantity:	50.00
Units:	Gallons
Recovered:	.00
Resource Affected:	Not reported
Oxygenate:	Not reported

Tank Test:

---

125 SSE 1/4-1/2 0.384 mi. 2025 ft.

Relative: Higher

Actual: 205 ft.

FRISS RESIDENCE **NY LTANKS** **S106869150**
58 HOFFMAN ST **N/A**
KINGSTON, NY

LTANKS:

Site ID:	343565
Spill Number/Closed Date:	0500557 / 2005-07-12
Spill Date:	2005-04-13
Spill Cause:	Tank Failure
Spill Source:	Private Dwelling
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	False
SWIS:	5630
Investigator:	DVWEHRFR
Referred To:	Not reported
Reported to Dept:	2005-04-13

FRISS RESIDENCE (Continued) **S106869150**

CID:	410
Water Affected:	Not reported
Spill Notifier:	Local Agency
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	2005-04-13
Spill Record Last Update:	2005-07-12
Spiller Name:	KENNETH FRISS
Spiller Company:	FRISS RESIDENCE
Spiller Address:	58 HOFFMAN ST
Spiller City,St,Zip:	KINGSTON, NY 12401
Spiller County:	001
Spiller Contact:	KENNETH FRISS
Spiller Phone:	(845) 331-7218
Spiller Extention:	Not reported
DEC Region:	3
DER Facility ID:	290103
DEC Memo:	"CLOSURE REPORT RECEIVED 6-22-05. AS STATED IN REPORT. TANK WAS LOCATED ON A ROCK SLAB AND ENDED UP UNDER AN ADDITION TO THE HOUSE. HOME OWNER NOTICED OIL ODOR AND RETAINED THE SERVICES OF VAZ-CO TO PUMP, REMOVE AND DISPOSE OF FLAT 275 GALLON TANK. TANK WAS CLEANED IN THE CRAWL SPACE AND HAD TO BE CUT UP TO REMOVE IT FROM UNDER THE HOUSE. THERE WAS A MINIMUM AMOUNT OF SOIL THAT HAD ACCUMULATED UNDER THE TANK WHICH WAS SCRAPPED UP AND DRUMMED WITH THE TANK BOTTOM FOR DISPOSAL. AREA IS SERVICED BY MUNICIPAL WATER AND SEWER."
Remarks:	"in basement of a residence tank is behind a wall and is still leaking crew is en route to clear out what then can unknown cause caller states tank just sprung a leak"

Material:

Site ID:	343565
Operable Unit ID:	1102247
Operable Unit:	01
Material ID:	582467
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	Not reported
Units:	Gallons
Recovered:	.00
Resource Affected:	Not reported
Oxygenate:	Not reported

Tank Test:

AD126 **BROWN RESIDENCE** **NY LTANKS** **S102674206**
WSW **96 CLINTON AVE.** **N/A**
1/4-1/2 **KINGSTON, NY**
0.404 mi.
2134 ft. **Site 1 of 2 in cluster AD**

Relative:
Higher

Actual:
186 ft.

LTANKS:

Site ID:	248357
Spill Number/Closed Date:	9400707 / 1994-12-12
Spill Date:	1994-04-15
Spill Cause:	Tank Overfill
Spill Source:	Private Dwelling
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased:	1994-12-12
Cleanup Meets Standard:	False
SWIS:	5630
Investigator:	RICCI
Referred To:	Not reported
Reported to Dept:	1994-04-15
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Citizen
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	1994-04-21
Spill Record Last Update:	1994-12-12
Spiller Name:	Not reported
Spiller Company:	RJ DITTUS
Spiller Address:	OWNER
Spiller City,St,Zip:	ZZ
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	3
DER Facility ID:	203783
DEC Memo:	""
Remarks:	"REPEAT PROBLEM SPILLAGE AT FILL/VENT PIPES SHEEN RUNNING OFF INTO STREET ODOR IN BLDG."

Material:

Site ID:	248357
Operable Unit ID:	998201
Operable Unit:	01
Material ID:	384489
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	Not reported
Recovered:	.00
Resource Affected:	Not reported
Oxygenate:	Not reported

BROWN RESIDENCE (Continued) **S102674206**

Tank Test:

127
NNE
1/4-1/2
0.409 mi.
2158 ft.

Relative:
Higher

Actual:
184 ft.

185 O'NEAL STREET **NY LTANKS** **S100153723**
185 O'NEAL STREET **N/A**
KINGSTON, NY

LTANKS:

Site ID:	253591
Spill Number/Closed Date:	9104282 / 1991-07-22
Spill Date:	1991-07-22
Spill Cause:	Tank Test Failure
Spill Source:	Private Dwelling
Spill Class:	Not reported
Cleanup Ceased:	1953-06-18
Cleanup Meets Standard:	True
SWIS:	5630
Investigator:	DUNN
Referred To:	Not reported
Reported to Dept:	1991-07-22
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	1991-07-24
Spill Record Last Update:	1992-07-30
Spiller Name:	Not reported
Spiller Company:	Not reported
Spiller Address:	Not reported
Spiller City,St,Zip:	***Update***, ZZ
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	3
DER Facility ID:	207726
DEC Memo:	"Administratively closed due to file review and/or information received. If new information arises to contradict this determination DEC reserves the right to reopen this spill without prejudice. "
Remarks:	"WILL EIR VACUTEST FAILED"

Material:

Site ID:	253591
Operable Unit ID:	955056
Operable Unit:	01
Material ID:	423362
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	Not reported

185 O'NEAL STREET (Continued) **S100153723**

Recovered: .00
Resource Affected: Not reported
Oxygenate: Not reported

Tank Test:
Site ID: 253591
Spill Tank Test: 1538787
Tank Number: Not reported
Tank Size: 0
Test Method: 00
Leak Rate: .00
Gross Fail: Not reported
Modified By: Spills
Last Modified: Not reported
Test Method: Unknown

AD128 **APT. COMPLEX** **NY LTANKS** **S102673878**
WSW **96 CLINTON AND FRANKLIN** **N/A**
1/4-1/2 **KINGSTON, NY**
0.416 mi.
2195 ft. **Site 2 of 2 in cluster AD**

Relative:
Higher

Actual:
186 ft.

LTANKS:
Site ID: 72082
Spill Number/Closed Date: 9204506 / 1992-08-12
Spill Date: 1992-07-20
Spill Cause: Tank Overfill
Spill Source: Commercial/Industrial
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased: 1992-07-20
Cleanup Meets Standard: True
SWIS: 5630
Investigator: DVWEHRFR
Referred To: Not reported
Reported to Dept: 1992-07-20
CID: Not reported
Water Affected: Not reported
Spill Notifier: Affected Persons
Last Inspection: Not reported
Recommended Penalty: False
UST Involvement: False
Remediation Phase: 0
Date Entered In Computer: 1992-07-21
Spill Record Last Update: 1995-05-19
Spiller Name: Not reported
Spiller Company: RJ BITTUS
Spiller Address: Not reported
Spiller City,St,Zip: ZZ
Spiller County: 001
Spiller Contact: Not reported
Spiller Phone: Not reported
Spiller Extention: Not reported
DEC Region: 3
DER Facility ID: 68084
DEC Memo: "Prior to Sept, 2004 data translation this spill Lead_DEC Field was

APT. COMPLEX (Continued) **S102673878**

WEHRFRITZ "
Remarks: "SPILL ON GROUND BY VENT PIPE OIL SUPPLIER IS KOSCO"

Material:
Site ID: 72082
Operable Unit ID: 968200
Operable Unit: 01
Material ID: 412221
Material Code: 0001A
Material Name: #2 fuel oil
Case No.: Not reported
Material FA: Petroleum
Quantity: .00
Units: Not reported
Recovered: .00
Resource Affected: Not reported
Oxygenate: Not reported

Tank Test:

---

129 SW 1/4-1/2 0.417 mi. 2203 ft.

MELLEY RESIDENCE **NY LTANKS** **S102674338**
1 CLINTON AVE. **N/A**
KINGSTON, NY

Relative: Lower

Actual: 179 ft.

LTANKS:
Site ID: 291957
Spill Number/Closed Date: 9410869 / 1994-11-17
Spill Date: 1994-11-15
Spill Cause: Tank Overfill
Spill Source: Private Dwelling
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased: 1994-11-17
Cleanup Meets Standard: False
SWIS: 5630
Investigator: RICCI
Referred To: Not reported
Reported to Dept: 1994-11-15
CID: Not reported
Water Affected: Not reported
Spill Notifier: Responsible Party
Last Inspection: Not reported
Recommended Penalty: False
UST Involvement: False
Remediation Phase: 0
Date Entered In Computer: Not reported
Spill Record Last Update: 2003-12-02
Spiller Name: Not reported
Spiller Company: KOSCO
Spiller Address: Not reported
Spiller City,St,Zip: NY
Spiller County: 999
Spiller Contact: Not reported
Spiller Phone: Not reported

MELLEY RESIDENCE (Continued) **S102674338**

Spiller Extention: Not reported
DEC Region: 3
DER Facility ID: 236386
DEC Memo: ""
Remarks: "SPILL ON GROUND & STONEWALL DRIVER & CREW TO CLEANUP"

Material:
Site ID: 291957
Operable Unit ID: 1004792
Operable Unit: 01
Material ID: 376737
Material Code: 0001A
Material Name: #2 fuel oil
Case No.: Not reported
Material FA: Petroleum
Quantity: 1.00
Units: Gallons
Recovered: .00
Resource Affected: Not reported
Oxygenate: Not reported

Tank Test:

AE130 **MEAGHER** **NY LTANKS** **S104073763**
ESE **WYNKOP PLACE** **N/A**
1/4-1/2 **KINGSTON, NY**
0.424 mi.
2239 ft. **Site 1 of 3 in cluster AE**

Relative:
Higher

Actual:
189 ft.

LTANKS:
Site ID: 83854
Spill Number/Closed Date: 8702023 / 1987-09-24
Spill Date: 1987-06-10
Spill Cause: Tank Test Failure
Spill Source: Institutional, Educational, Gov., Other
Spill Class: Not reported
Cleanup Ceased: 1987-09-24
Cleanup Meets Standard: True
SWIS: 5630
Investigator: jeokesso
Referred To: Not reported
Reported to Dept: 1987-06-10
CID: Not reported
Water Affected: Not reported
Spill Notifier: Tank Tester
Last Inspection: 1987-09-24
Recommended Penalty: False
UST Involvement: False
Remediation Phase: 0
Date Entered In Computer: 1987-06-29
Spill Record Last Update: 1987-09-24
Spiller Name: Not reported
Spiller Company: KINGSTON SCHOOLS
Spiller Address: SAME
Spiller City,St,Zip: ZZ
Spiller County: 001

MEAGHER (Continued) **S104073763**

Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	3
DER Facility ID:	77143
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was OKESSON / / : SPILLE TO EXCAVATE AND RETEST. "
Remarks:	"TTTF"

Material:

Site ID:	83854
Operable Unit ID:	906352
Operable Unit:	01
Material ID:	471904
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	Not reported
Recovered:	.00
Resource Affected:	Not reported
Oxygenate:	Not reported

Tank Test:

Site ID:	83854
Spill Tank Test:	1530936
Tank Number:	Not reported
Tank Size:	0
Test Method:	00
Leak Rate:	.00
Gross Fail:	Not reported
Modified By:	Spills
Last Modified:	Not reported
Test Method:	Unknown

AE131 **MEAGHER SCHOOL** **NY LTANKS** **S102659645**
ESE **BUYNKOOP PLACE** **N/A**
1/4-1/2 **KINGSTON, NY**
0.424 mi.
2239 ft. **Site 2 of 3 in cluster AE**

Relative:
Higher

Actual:
189 ft.

LTANKS:

Site ID:	190205
Spill Number/Closed Date:	9704427 / 1998-02-26
Spill Date:	1997-07-14
Spill Cause:	Tank Test Failure
Spill Source:	Institutional, Educational, Gov., Other
Spill Class:	Possible release with minimal potential for fire or hazard or Known release with no damage. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	True
SWIS:	5630
Investigator:	RICCI
Referred To:	Not reported

MEAGHER SCHOOL (Continued) **S102659645**

Reported to Dept:	1997-07-14
CID:	267
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	1997-07-14
Spill Record Last Update:	1998-03-10
Spiller Name:	GREG FELTON
Spiller Company:	MEAGHER SCHOOL
Spiller Address:	BUYNKOOP PLACE
Spiller City,St,Zip:	KINGSTON, NY
Spiller County:	001
Spiller Contact:	GREG FELTON
Spiller Phone:	(914) 331-3480
Spiller Extention:	Not reported
DEC Region:	3
DER Facility ID:	158709
DEC Memo:	""
Remarks:	"TANK TEST FAILURE WILL BE RETESTED POSS PIPING PROBLEM"

Material:

Site ID:	190205
Operable Unit ID:	1047654
Operable Unit:	01
Material ID:	333679
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	Gallons
Recovered:	.00
Resource Affected:	Not reported
Oxygenate:	Not reported

Tank Test:

Site ID:	190205
Spill Tank Test:	1545211
Tank Number:	1
Tank Size:	6000
Test Method:	01
Leak Rate:	-.09
Gross Fail:	Not reported
Modified By:	Spills
Last Modified:	Not reported
Test Method:	Petro-Tite/Petro Comp

132
SW
1/4-1/2
0.424 mi.
2240 ft.

ZACCHEO RESIDENCE
25 CLINTON AVE.
KINGSTON, NY

NY LTANKS **S100153913**
N/A

Relative:
Lower

Actual:
179 ft.

LTANKS:

Site ID:	284912
Spill Number/Closed Date:	9103931 / 1992-07-29
Spill Date:	1991-07-12
Spill Cause:	Tank Failure
Spill Source:	Private Dwelling
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased:	1992-07-29
Cleanup Meets Standard:	True
SWIS:	5630
Investigator:	DVWEHRFR
Referred To:	Not reported
Reported to Dept:	1991-07-12
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Other
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	1991-07-16
Spill Record Last Update:	1992-07-29
Spiller Name:	Not reported
Spiller Company:	SAME
Spiller Address:	Not reported
Spiller City,St,Zip:	NY
Spiller County:	999
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	3
DER Facility ID:	231039
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was WEHRFRITZ / / : N.F.A. "
Remarks:	"NO HEAT CALL TANK IS CORRODED KOSCO WILL CLEAN UP DEC WILL INVESTIGATE"

Material:

Site ID:	284912
Operable Unit ID:	954715
Operable Unit:	01
Material ID:	423041
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	Not reported
Recovered:	.00
Resource Affected:	Not reported
Oxygenate:	Not reported

ZACCHEO RESIDENCE (Continued) **S100153913**

Tank Test:

133
North
1/4-1/2
0.427 mi.
2256 ft.

VAN ALSTYNE RESIDENCE **NY LTANKS** **S102674126**
182 ELMENDORF STREET **N/A**
KINGSTON, NY

Relative:
Lower

Actual:
179 ft.

LTANKS:

Site ID:	214349
Spill Number/Closed Date:	9311337 / 1994-01-10
Spill Date:	1993-12-20
Spill Cause:	Tank Overfill
Spill Source:	Tank Truck
Spill Class:	Possible release with minimal potential for fire or hazard or Known release with no damage. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased:	1994-01-10
Cleanup Meets Standard:	False
SWIS:	5630
Investigator:	RICCI
Referred To:	Not reported
Reported to Dept:	1993-12-20
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Responsible Party
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	Not reported
Spill Record Last Update:	2003-12-02
Spiller Name:	Not reported
Spiller Company:	KINGSTON OIL
Spiller Address:	Not reported
Spiller City,St,Zip:	NY
Spiller County:	999
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	3
DER Facility ID:	177597
DEC Memo:	""
Remarks:	"SPILL IN BASEMENT SERVICE DEPT. TO CHECK OUT SPILL UPDATE SPILLL OF 2-5 GAL. CLEANED UP WITH SPEEDI-DRI"

Material:

Site ID:	214349
Operable Unit ID:	989969
Operable Unit:	01
Material ID:	390379
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00

VAN ALSTYNE RESIDENCE (Continued) **S102674126**

Units: Not reported
Recovered: .00
Resource Affected: Not reported
Oxygenate: Not reported

Tank Test:

134
North
1/4-1/2
0.433 mi.
2287 ft.

HESS **NY LTANKS** **S102105258**
ALBANY AVE **NY Spills** **N/A**
KINGSTON, NY

Relative:
Higher

Actual:
192 ft.

LTANKS:
Site ID: 308078
Spill Number/Closed Date: 8606498 / 1987-01-16
Spill Date: 1987-01-16
Spill Cause: Tank Overfill
Spill Source: Tank Truck
Spill Class: Not reported
Cleanup Ceased: 1987-01-16
Cleanup Meets Standard: True
SWIS: 5630
Investigator: jeokesso
Referred To: Not reported
Reported to Dept: 1987-01-16
CID: Not reported
Water Affected: Not reported
Spill Notifier: DEC
Last Inspection: 1987-01-16
Recommended Penalty: False
UST Involvement: False
Remediation Phase: 0
Date Entered In Computer: Not reported
Spill Record Last Update: 2003-12-02
Spiller Name: Not reported
Spiller Company: HESS MART
Spiller Address: SAME
Spiller City,St,Zip: ZZ
Spiller County: 001
Spiller Contact: Not reported
Spiller Phone: Not reported
Spiller Extention: Not reported
DEC Region: 3
DER Facility ID: 248806
DEC Memo: "Prior to Sept, 2004 data translation this spill Lead_DEC Field was OKESSON / / : 1/16/87-CLEANED UP BY FD. "
Remarks: "TANK OVERFILL"

Material:
Site ID: 308078
Operable Unit ID: 904077
Operable Unit: 01
Material ID: 472062
Material Code: 0009
Material Name: gasoline

HESS (Continued) **S102105258**

Case No.:	Not reported
Material FA:	Petroleum
Quantity:	40.00
Units:	Gallons
Recovered:	.00
Resource Affected:	Not reported
Oxygenate:	Not reported

Tank Test:

Site ID:	308079
Spill Number/Closed Date:	8708254 / 1988-01-04
Spill Date:	1987-12-22
Spill Cause:	Tank Overfill
Spill Source:	Commercial/Industrial
Spill Class:	Not reported
Cleanup Ceased:	1988-01-04
Cleanup Meets Standard:	True
SWIS:	5630
Investigator:	dxtraver
Referred To:	Not reported
Reported to Dept:	1987-12-22
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	DEC
Last Inspection:	1988-01-04
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	1987-12-28
Spill Record Last Update:	1988-04-05
Spiller Name:	Not reported
Spiller Company:	SAME
Spiller Address:	Not reported
Spiller City,St,Zip:	ZZ
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	3
DER Facility ID:	248806
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was TRAVER / / : TICKET ISSUED- FAILURE TO REPORT, SPILLER CLEANING. 01/04/88: AS PER JIM DECKER,MANAGER: VENT LINE ON WASTE OIL TANK INCORRECTLY INSTALLED, PRESSURE BLEW OUT PRODUCT FROM VENT LINE. SPILLER REMOVED SMALL QUANTITY OF CONTAMINATED SOIL, SPILLER CLEANED UP. N.F.A. "
Remarks:	""

Material:

Site ID:	308079
Operable Unit ID:	912883
Operable Unit:	01
Material ID:	463648
Material Code:	0022

HESS (Continued) **S102105258**

Material Name:	waste oil/used oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	100.00
Units:	Gallons
Recovered:	.00
Resource Affected:	Not reported
Oxygenate:	Not reported

Tank Test:

Site ID:	308080
Spill Number/Closed Date:	9509055 / 1995-11-01
Spill Date:	1995-10-23
Spill Cause:	Tank Overfill
Spill Source:	Gasoline Station or other PBS Facility
Spill Class:	Possible release with minimal potential for fire or hazard or Known release with no damage. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased:	1995-11-01
Cleanup Meets Standard:	True
SWIS:	5630
Investigator:	RICCI
Referred To:	Not reported
Reported to Dept:	1995-10-23
CID:	270
Water Affected:	Not reported
Spill Notifier:	Responsible Party
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	True
Remediation Phase:	0
Date Entered In Computer:	1995-10-23
Spill Record Last Update:	1995-11-20
Spiller Name:	MARGARET BENSON
Spiller Company:	KOSCO
Spiller Address:	PO BOX 760
Spiller City,St,Zip:	PORT EWEN NY, NY 12466-
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	3
DER Facility ID:	248806
DEC Memo:	""
Remarks:	""

Material:

Site ID:	308080
Operable Unit ID:	1019628
Operable Unit:	01
Material ID:	360019
Material Code:	0008
Material Name:	diesel
Case No.:	Not reported

HESS (Continued) **S102105258**

Material FA:	Petroleum
Quantity:	4.00
Units:	Gallons
Recovered:	.00
Resource Affected:	Not reported
Oxygenate:	Not reported

Tank Test:

SPILLS:

Facility ID:	9212743
Facility Type:	ER
DER Facility ID:	265071
Site ID:	329455
DEC Region:	3
Spill Date:	1993-02-10
Spill Number/Closed Date:	9212743 / 1993-02-17
Spill Cause:	Unknown
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	5630
Investigator:	DVWEHRFR
Referred To:	Not reported
Reported to Dept:	1993-02-10
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Gasoline Station or other PBS Facility
Spill Notifier:	Citizen
Cleanup Ceased:	1993-02-17
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	Not reported
Spill Record Last Update:	2003-12-02
Spiller Name:	Not reported
Spiller Company:	Not reported
Spiller Address:	Not reported
Spiller City,St,Zip:	***Update***, ZZ
Spiller Company:	001
Contact Name:	Not reported
Contact Phone:	Not reported
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was WEHRFRITZ "
Remarks:	"HEAVY PETROLEUM ODOR & SPILL ON GROUND APPROX. 6’X 30’ SPEEDI-DRI HAS BEEN APPLIED"

Material:

Site ID:	329455
Operable Unit ID:	977147
Operable Unit:	01
Material ID:	402576
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported

HESS (Continued) **S102105258**

Material FA: Petroleum
Quantity: .00
Units: Not reported
Recovered: .00
Resource Affected: Not reported
Oxygenate: Not reported

Tank Test:

AE135 **RESIDENCE** **NY LTANKS** **S108637125**
ESE **4 SMITH AVE** **NY Spills** **N/A**
1/4-1/2 **KINGSTON, NY**
0.434 mi.
2294 ft. **Site 3 of 3 in cluster AE**

Relative:
Higher

Actual:
190 ft.

LTANKS:
Site ID: 359963
Spill Number/Closed Date: 0513482 / 2006-02-22
Spill Date: 2006-02-22
Spill Cause: Tank Overfill
Spill Source: Private Dwelling
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased: Not reported
Cleanup Meets Standard: True
SWIS: 5630
Investigator: DVWEHRFR
Referred To: Not reported
Reported to Dept: 2006-02-22
CID: 407
Water Affected: Not reported
Spill Notifier: Responsible Party
Last Inspection: Not reported
Recommended Penalty: False
UST Involvement: False
Remediation Phase: 0
Date Entered In Computer: 2006-02-22
Spill Record Last Update: 2006-02-23
Spiller Name: TERESA CAIN
Spiller Company: KINGSTON OIL CO
Spiller Address: 15 NORTH BROADWAY
Spiller City,St,Zip: PORT EWEN, NY 12466
Spiller County: 001
Spiller Contact: BARBARA WALLA
Spiller Phone: (845) 338-8353
Spiller Extention: Not reported
DEC Region: 3
DER Facility ID: 310079
DEC Memo: ""
Remarks: "Amount half gallon, being cleaned up."

Material:
Site ID: 359963
Operable Unit ID: 1117153
Operable Unit: 01
Material ID: 2107626

RESIDENCE (Continued) **S108637125**

Material Code: 0001A
Material Name: #2 fuel oil
Case No.: Not reported
Material FA: Petroleum
Quantity: .00
Units: Gallons
Recovered: .00
Resource Affected: Not reported
Oxygenate: Not reported

Tank Test:

SPILLS:
Facility ID: 0701804
Facility Type: ER
DER Facility ID: 330803
Site ID: 381402
DEC Region: 3
Spill Date: 2007-05-14
Spill Number/Closed Date: 0701804 / 2007-05-15
Spill Cause: Equipment Failure
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Unable/unwilling Responsible Party. Corrective action taken. (ISR)
SWIS: 5608
Investigator: jymccart
Referred To: Not reported
Reported to Dept: 2007-05-14
CID: 444
Water Affected: Not reported
Spill Source: Private Dwelling
Spill Notifier: Other
Cleanup Ceased: Not reported
Cleanup Meets Std: True
Last Inspection: Not reported
Recommended Penalty: False
UST Trust: False
Remediation Phase: 0
Date Entered In Computer: 2007-05-15
Spill Record Last Update: 2007-05-16
Spiller Name: SHAWN DENVER- LAWYER
Spiller Company: REAL ESTATE TRANS.
Spiller Address: 4 SMITH AVE
Spiller City,St,Zip: KINGSTON, NY
Spiller Company: 001
Contact Name: SHAWN DENVER- LAWYER
Contact Phone: (845) 331-2525
DEC Memo: "CALLED AND LEFT MESSAGE FOR THERESA TO RETRURN CALL. SPOKE WITH THERESA. HOME HAS BEEN UNOCCUPIED FOR QUITE A WHILE. KOSCO WAS CALLED TO MEASURE FUEL IN TANK (275 BASEMENT) FOR REAL ESTATE TRANSACTION REASONS AND FOUND 7' AREA OF STAIN ON BASEMENT FLOOR & BROKEN GAUGE. SPOKE WITH ATTY SHAWN DENVER. HOUSE CLOSING IS TOMORROW. SHAWN WILL CONTACT HIS CLIENT AND KOSCO TO DISCUSS AND CALL BACK. 5/15/07: SPOKE WITH SHAWN DENVER, THERESA AND BOB @ KOSCO. KOSCO CLEANED UP SPILL WITH SPEEDIDRI & REMOVED 10 GALLONS FROM TANK. LEAK APPREARED TO BE FROM BROKEN FUEL GAUGE. -- NFA"

RESIDENCE (Continued) **S108637125**

Remarks: "BROKEN GAUGE ON CONCRETE AND IN PROCESS OF CLEANING"

Material:
Site ID: 381402
Operable Unit ID: 1138857
Operable Unit: 01
Material ID: 2128860
Material Code: 0001A
Material Name: #2 fuel oil
Case No.: Not reported
Material FA: Petroleum
Quantity: Not reported
Units: Gallons
Recovered: .00
Resource Affected: Not reported
Oxygenate: Not reported

Tank Test:

136
West
1/4-1/2
0.435 mi.
2297 ft.

Relative: Higher

Actual: 186 ft.

UNITED METHODIST CHURCH **NY LTANKS** **S108298652**
122 CLINTON AVE **N/A**
KINGSTON, NY

LTANKS:
Site ID: 372204
Spill Number/Closed Date: 0608271 / 2007-02-06
Spill Date: 2006-10-19
Spill Cause: Tank Failure
Spill Source: Institutional, Educational, Gov., Other
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased: Not reported
Cleanup Meets Standard: True
SWIS: 5630
Investigator: DVWEHRFR
Referred To: Not reported
Reported to Dept: 2006-10-19
CID: 444
Water Affected: Not reported
Spill Notifier: Other
Last Inspection: Not reported
Recommended Penalty: False
UST Involvement: False
Remediation Phase: 0
Date Entered In Computer: 2006-10-19
Spill Record Last Update: 2007-02-06
Spiller Name: PAUL WHITE
Spiller Company: UNITED METHODIST CHURCH
Spiller Address: 122 CLINTON AVE
Spiller City,St,Zip: KINGSTON, NY
Spiller County: 001
Spiller Contact: PAUL WHITE
Spiller Phone: (845) 336-8407
Spiller Extention: Not reported
DEC Region: 3

UNITED METHODIST CHURCH (Continued) **S108298652**

DER Facility ID: 321935
DEC Memo: "10/19/06: WAITING FOR KINGSTON CITY PERMIT. VAZ-CO DOING CLEAN UP. TANK PULL WILL HAPPEN 10/23 OR 10/24/06. 11/6/06- VazCo reports they are on site removing impacted soils. Sandy soil conditions. Will excavate as much as practical and collect post ex samples. dt 12-15-06 Closure report rec. 550 #2 FO UST removed on 11-6-06. Holes noted. Samples taken from 4 sidewalls (comp) & bottom. Results were ND for both samples."
Remarks: "removing 275 gallon tank- found contaminated soil;"

Material:
Site ID: 372204
Operable Unit ID: 1129951
Operable Unit: 01
Material ID: 2119615
Material Code: 0001A
Material Name: #2 fuel oil
Case No.: Not reported
Material FA: Petroleum
Quantity: Not reported
Units: Gallons
Recovered: .00
Resource Affected: Not reported
Oxygenate: Not reported

Tank Test:

137
WSW
1/4-1/2
0.443 mi.
2339 ft.

DEBIASE RES.: 1K UST **NY LTANKS S102674184**
147 HENRY ST **NY Spills N/A**
KINGSTON, NY

Relative:
Lower

Actual:
181 ft.

LTANKS:
Site ID: 252455
Spill Number/Closed Date: 9315236 / 1995-01-10
Spill Date: 1994-03-25
Spill Cause: Tank Overfill
Spill Source: Private Dwelling
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased: 1995-01-10
Cleanup Meets Standard: False
SWIS: 5630
Investigator: RICCI
Referred To: Not reported
Reported to Dept: 1994-03-25
CID: Not reported
Water Affected: Not reported
Spill Notifier: Responsible Party
Last Inspection: Not reported
Recommended Penalty: False
UST Involvement: False
Remediation Phase: 0
Date Entered In Computer: 1994-04-08
Spill Record Last Update: 1995-01-10

DEBIASE RES.: 1K UST (Continued) **S102674184**

Spiller Name:	Not reported
Spiller Company:	KINGSTON OIL
Spiller Address:	NORTH BROADWAY
Spiller City,St,Zip:	PORT EWEN, ZZ
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	3
DER Facility ID:	206827
DEC Memo:	""
Remarks:	"KINGSTON OIL WILL CLEAN UP"

Material:

Site ID:	252455
Operable Unit ID:	997162
Operable Unit:	01
Material ID:	386997
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	Not reported
Recovered:	.00
Resource Affected:	Not reported
Oxygenate:	Not reported

Tank Test:

SPILLS:

Facility ID:	1205935
Facility Type:	ER
DER Facility ID:	423198
Site ID:	468916
DEC Region:	3
Spill Date:	2012-09-14
Spill Number/Closed Date:	1205935 / 2012-11-27
Spill Cause:	Equipment Failure
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	5630
Investigator:	dxtraver
Referred To:	Not reported
Reported to Dept:	2012-09-14
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Private Dwelling
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0

DEBIASE RES.: 1K UST (Continued) **S102674184**

Date Entered In Computer:	2012-09-14
Spill Record Last Update:	2012-11-27
Spiller Name:	DEBIASE, SHELLY
Spiller Company:	DEBIASE
Spiller Address:	147 HENRY ST
Spiller City,St,Zip:	KINGSTON, NY
Spiller Company:	999
Contact Name:	CHRISTINA VAZQUEZ
Contact Phone:	(845) 691 6246
DEC Memo:	"9-14-12: V.Mc. call to Christna/VazCo: 1K UST between sidewalk and house, sandy soils. Mun.water & sewer. 9/26/12- VazCo reports that soil excavation to begin tomorrow, 9/27/12. DT 9/27/12- Site inspection. VazCo on site removing tank and excavating impacted soils. Soils are sand and walls of excavation are collapsing. Excavation is some 10 feet deep between two dwellings. Water line is exposed through middle of excavation. Impacts very apparent (dark soil) in bottom of excavation. VazCo to attempt to remove all gross contamination within constraints of site. DT Received TCR from VazCo. Some 35 tons of impacted soil excavated and disposed. Postex soil samples well below cleanup guidance values. Area serviced by municipal water. NFA DT"
Remarks:	"cleanup pending insurance company -"

Material:

Site ID:	468916
Operable Unit ID:	1218821
Operable Unit:	01
Material ID:	2217236
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	Not reported
Units:	Not reported
Recovered:	Not reported
Resource Affected:	Not reported
Oxygenate:	Not reported

Tank Test:

138
SE
1/4-1/2
0.480 mi.
2537 ft.

KINGSTON HIGH SCHOOL **NY LTANKS** **S106698220**
403 BROADWAY **NY Spills** **N/A**
KINGSTON, NY

Relative: Higher

Actual: 209 ft.

LTANKS:

Site ID:	384149
Spill Number/Closed Date:	0704067 / 2010-12-31
Spill Date:	2007-07-11
Spill Cause:	Tank Test Failure
Spill Source:	Institutional, Educational, Gov., Other
Spill Class:	Known release that creates potential for fire or hazard. (Highly Improbable)
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	True
SWIS:	5608

KINGSTON HIGH SCHOOL (Continued) **S106698220**

Investigator:	dxtraver
Referred To:	Not reported
Reported to Dept:	2007-07-11
CID:	444
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	2007-07-11
Spill Record Last Update:	2010-12-31
Spiller Name:	BOB TERWILIGER
Spiller Company:	KINGSTON SCHOOL DISTRICT
Spiller Address:	403 BROADWAY
Spiller City,St,Zip:	KINGSTON, NY
Spiller County:	001
Spiller Contact:	BOB TERWILIGER
Spiller Phone:	(845) 331-3480
Spiller Extention:	Not reported
DEC Region:	3
DER Facility ID:	64356
DEC Memo:	" Spoke with Bob Cunningham. Tank to be emptied tomorrow. Tank removed. See Spill No. 0809806. NFA this Spill. Dt 12/31/10"
Remarks:	"BELOW PRODUCT LEVEL"

Material:

Site ID:	384149
Operable Unit ID:	1141459
Operable Unit:	01
Material ID:	2131672
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	Gallons
Recovered:	.00
Resource Affected:	Not reported
Oxygenate:	Not reported

Tank Test:

Site ID:	384149
Spill Tank Test:	1550977
Tank Number:	1
Tank Size:	5000
Test Method:	03
Leak Rate:	.00
Gross Fail:	Not reported
Modified By:	Watchdog
Last Modified:	Not reported
Test Method:	Horner EZ Check I or II

SPILLS:

Facility ID:	0809806

KINGSTON HIGH SCHOOL (Continued) **S106698220**

Facility Type:	ER
DER Facility ID:	356547
Site ID:	407301
DEC Region:	3
Spill Date:	2008-12-02
Spill Number/Closed Date:	0809806 / 2010-12-31
Spill Cause:	Equipment Failure
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	5630
Investigator:	dxtraver
Referred To:	Not reported
Reported to Dept:	2008-12-02
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Institutional, Educational, Gov., Other
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2008-12-02
Spill Record Last Update:	2010-12-31
Spiller Name:	BOB TERWILLAGER
Spiller Company:	KINGSTON HIGH SCHOOL
Spiller Address:	403 BROADWAY
Spiller City,St,Zip:	KINGSTON, NY
Spiller Company:	999
Contact Name:	DARREN OSWALD
Contact Phone:	(585) 436-4620
DEC Memo:	"12-2-08: 12:30: DARREN OSWALD/ L&O: Ust being removed has failed tank test several months ago. 6/10/10- File review needed. DT 12/31/10- TCR received from Entek during meeting on 11/10/10. Some 156 tons impacted soils removed. Postex soil samples had only one VOC at trace level from bottom sample. NFA DT "
Remarks:	"CALLER STATES THAT THEY WERE REMOVING A 5000 GALLON UST AND NOTICED SOIL CONTAMINATION. CLEAN UP IS IN PROGRESS."

Material:

Site ID:	407301
Operable Unit ID:	1163854
Operable Unit:	01
Material ID:	2155195
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	Not reported
Units:	Gallons
Recovered:	Not reported
Resource Affected:	Not reported
Oxygenate:	Not reported

Tank Test:

KINGSTON HIGH SCHOOL (Continued) **S106698220**

Facility ID:	0405191
Facility Type:	ER
DER Facility ID:	64356
Site ID:	67337
DEC Region:	3
Spill Date:	2004-08-09
Spill Number/Closed Date:	0405191 / 2004-08-12
Spill Cause:	Other
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	5608
Investigator:	dxtraver
Referred To:	Not reported
Reported to Dept:	2004-08-11
CID:	403
Water Affected:	Not reported
Spill Source:	Institutional, Educational, Gov., Other
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2004-08-11
Spill Record Last Update:	2004-10-07
Spiller Name:	BOB
Spiller Company:	Not reported
Spiller Address:	403 BROADWAY
Spiller City,St,Zip:	KINGSTON, NY
Spiller Company:	001
Contact Name:	BOB
Contact Phone:	(845) 331-3480
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was TRAVER 08/11/2004 LEFT MESSAGE TO CONTACT D. TRAVER, NYSDEC. Caller stated that fuel tank on forklift was punctured. All on pavement and cleaned up with speedidry. NFA"
Remarks:	"fuel tank was punctured causing about 5 gallons to spill.spill was cleaned up"

Material:

Site ID:	67337
Operable Unit ID:	888026
Operable Unit:	01
Material ID:	489253
Material Code:	0008
Material Name:	diesel
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	5.00
Units:	Gallons
Recovered:	5.00
Resource Affected:	Not reported
Oxygenate:	Not reported

Tank Test:

139
ESE
1/4-1/2
0.487 mi.
2573 ft.

Relative:
Higher

Actual:
199 ft.

ROUNDOUT CRK/HUDSON RIVER CLUSTER
396 BROADWAY
KINGSTON, NY 12401

RCRA-SQG **1000547131**
US BROWNFIELDS **NYD060548005**
US AIRS
FINDS
ECHO
NY MANIFEST

RCRA-SQG:

Date form received by agency:	05/26/2017
Facility name:	HEALTHALLIANCE OF THE HUDSON VALLEY BROADWAY FORMERLY KINGSTON HOSPITAL
Facility address:	396 BROADWAY KINGSTON, NY 12401
EPA ID:	NYD060548005
Mailing address:	BROADWAY KINGSTON, NY 12401
Contact:	JOHN ROTH
Contact address:	BROADWAY KINGSTON, NY 12401
Contact country:	US
Contact telephone:	845-334-4264
Contact email:	JROTH@HAHV.OG
EPA Region:	02
Land type:	Other land type
Classification:	Small Small Quantity Generator
Description:	Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name:	HEALTHALLIANCE OF THE HUDSON VALLEY
Owner/operator address:	BROADWAY KINGSTON, NY 12401
Owner/operator country:	US
Owner/operator telephone:	Not reported
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	12/14/2014
Owner/Op end date:	Not reported

Owner/operator name:	THE KINGSTON HOSPITAL INC
Owner/operator address:	396 BROADWAY KINGSTON, NY 12401
Owner/operator country:	US
Owner/operator telephone:	914-331-3131
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	HEALTHALLIANCE OF THE HUDSON VALLEY

ROUNDOUT CRK/HUDSON RIVER CLUSTER (Continued) **1000547131**

Owner/operator address: BROADWAY
KINGSTON, NY 12401
Owner/operator country: US
Owner/operator telephone: Not reported
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 12/14/2014
Owner/Op end date: Not reported

Owner/operator name: THE KINGSTON HOSPITAL INC
Owner/operator address: 396 BROADWAY
KINGSTON, NY 12401
Owner/operator country: US
Owner/operator telephone: 914-331-3131
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D009
. Waste name: MERCURY

. Waste code: D011
. Waste name: SILVER

. Waste code: D022
. Waste name: CHLOROFORM

. Waste code: D024
. Waste name: M-CRESOL

ROUNDOUT CRK/HUDSON RIVER CLUSTER (Continued) **1000547131**

. Waste code: U010
. Waste name: AZIRINO [2',3':3,4]PYRROLO[1,2-A]INDOLE-4,7-DIONE, 6-AMINO-8-[[(AMINOCARBONYL)OXY]METHYL]-1,1A,2,8,8A,8B-HEXAHYDRO-8A-MET OXY-5-METHYL-, [1AS-(1AALPHA, 8BETA, 8AALPHA, 8BALPHA)]- (OR) MITOMYCIN C

. Waste code: U035
. Waste name: BENZENEBUTANOIC ACID, 4-[BIS(2-CHLOROETHYL)AMINO]- (OR) CHLORAMBUCIL

. Waste code: U058
. Waste name: 2H-1,3,2-OXAZAPHOSPHORIN-2-AMINE, N,N-BIS(2-CHLOROETHYL)TETRAHYDRO-, 2-OXIDE (OR) CYCLOPHOSPHAMIDE

. Waste code: U129
. Waste name: CYCLOHEXANE, 1,2,3,4,5,6-HEXACHLORO-, (1ALPHA, 2ALPHA, 3BETA, 4ALPHA, 5ALPHA, 6BETA)- (OR) LINDANE

. Waste code: U132
. Waste name: HEXACHLOROPHENE (OR) PHENOL, 2,2'-METHYLENEBIS[3,4,6-TRICHLORO-

. Waste code: U188
. Waste name: PHENOL

. Waste code: U205
. Waste name: SELENIUM SULFIDE (OR) SELENIUM SULFIDE SES2 (R,T)

Historical Generators:
Date form received by agency: 01/01/2007
Site name: KINGSTON HOSPITAL THE
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 01/01/2006
Site name: KINGSTON HOSPITAL THE
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 06/24/2002
Site name: KINGSTON HOSPITAL THE
Classification: Unverified

Date form received by agency: 07/14/1999
Site name: KINGSTON HOSPITAL THE
Classification: Small Quantity Generator

Date form received by agency: 03/25/1996
Site name: KINGSTON HOSPITAL THE
Classification: Large Quantity Generator

. Waste code: D000
. Waste name: Not Defined

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: X001

ROUNDOUT CRK/HUDSON RIVER CLUSTER (Continued) **1000547131**

. Waste name: WASTE OILS

. Waste code: X003
. Waste name: OTHER STATE REGULATED WASTES [i.e., DIESEL FUEL, GASOLINE AND HOME HEATING OIL]

Violation Status: No violations found

Evaluation Action Summary:
Evaluation date: 03/24/2017
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 04/19/2002
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

US BROWNFIELDS:
Property Name: ROUNDOUT CRK/HUDSON RIVER CLUSTER
Recipient Name: Ulster County
Grant Type: Assessment
Property Number: Not reported
Parcel size: 440
Latitude: 41.926718
Longitude: -73.996506
HCM Label: Not reported
Map Scale: Not reported
Point of Reference: Not reported
Highlights: Not reported
Datum: Not reported
Acres Property ID: 11875
IC Data Access: Not reported
Start Date: Not reported
Redev Completition Date: Not reported
Completed Date: Not reported
Acres Cleaned Up: Not reported
Cleanup Funding: Not reported
Cleanup Funding Source: Not reported
Assessment Funding: Not reported
Assessment Funding Source: Not reported
Redevelopment Funding: Not reported
Redev. Funding Source: Not reported
Redev. Funding Entity Name: Not reported
Redevelopment Start Date: Not reported
Assessment Funding Entity: Not reported
Cleanup Funding Entity: Not reported
Grant Type: N/A
Accomplishment Type: Phase I Environmental Assessment
Accomplishment Count: 0
Cooperative Agreement Number: 99297001
Start Date: 06/30/2002 00:00:00
Ownership Entity: Not reported
Completion Date: 06/30/2002 00:00:00

ROUNDOUT CRK/HUDSON RIVER CLUSTER (Continued) **1000547131**

Current Owner:	Not reported
Did Owner Change:	Not reported
Cleanup Required:	Not reported
Video Available:	Not reported
Photo Available:	Not reported
Institutional Controls Required:	Not reported
IC Category Proprietary Controls:	Not reported
IC Cat. Info. Devices:	Not reported
IC Cat. Gov. Controls:	Not reported
IC Cat. Enforcement Permit Tools:	Not reported
IC in place date:	Not reported
IC in place:	U
State/tribal program date:	Not reported
State/tribal program ID:	Not reported
State/tribal NFA date:	Not reported
Air contaminated:	Not reported
Air cleaned:	Not reported
Asbestos found:	Not reported
Asbestos cleaned:	Not reported
Controled substance found:	Not reported
Controled substance cleaned:	Not reported
Drinking water affected:	Not reported
Drinking water cleaned:	Not reported
Groundwater affected:	Not reported
Groundwater cleaned:	Not reported
Lead contaminant found:	Not reported
Lead cleaned up:	Not reported
No media affected:	Not reported
Unknown media affected:	Not reported
Other cleaned up:	Not reported
Other metals found:	Not reported
Other metals cleaned:	Not reported
Other contaminants found:	Not reported
Other contams found description:	Not reported
PAHs found:	Not reported
PAHs cleaned up:	Not reported
PCBs found:	Not reported
PCBs cleaned up:	Not reported
Petro products found:	Not reported
Petro products cleaned:	Not reported
Sediments found:	Not reported
Sediments cleaned:	Not reported
Soil affected:	Not reported
Soil cleaned up:	Not reported
Surface water cleaned:	Not reported
VOCs found:	Not reported
VOCs cleaned:	Not reported
Cleanup other description:	Not reported
Num. of cleanup and re-dev. jobs:	Not reported
Past use greenspace acreage:	Not reported
Past use residential acreage:	Not reported
Surface Water:	Not reported
Past use commercial acreage:	Not reported
Past use industrial acreage:	Not reported
Future use greenspace acreage:	Not reported
Future use residential acreage:	Not reported
Future use commercial acreage:	Not reported

ROUNDOUT CRK/HUDSON RIVER CLUSTER (Continued) **1000547131**

Future use industrial acreage:	Not reported
Greenspace acreage and type:	Not reported
Superfund Fed. landowner flag:	Not reported
Arsenic cleaned up:	Not reported
Cadmium cleaned up:	Not reported
Chromium cleaned up:	Not reported
Copper cleaned up:	Not reported
Iron cleaned up:	Not reported
mercury cleaned up:	Not reported
Nickel Cleaned Up:	Not reported
No clean up:	Not reported
Pesticides cleaned up:	Not reported
Selenium cleaned up:	Not reported
SVOCs cleaned up:	Not reported
Unknown clean up:	Not reported
Arsenic contaminant found:	Not reported
Cadmium contaminant found:	Not reported
Chromium contaminant found:	Not reported
Copper contaminant found:	Not reported
Iron contaminant found:	Not reported
Mercury contaminant found:	Not reported
Nickel contaminant found:	Not reported
No contaminant found:	Not reported
Pesticides contaminant found:	Not reported
Selenium contaminant found:	Not reported
SVOCs contaminant found:	Not reported
Unknown contaminant found:	Not reported
Future Use: Multistory	Not reported
Media affected Bluiding Material:	Not reported
Media affected indoor air:	Not reported
Building material media cleaned up:	Not reported
Indoor air media cleaned up:	Not reported
Unknown media cleaned up:	Not reported
Past Use: Multistory	Not reported
Property Description:	Not reported
Below Poverty Number:	558
Below Poverty Percent:	6.2%
Meidan Income:	7542
Meidan Income Number:	1409
Meidan Income Percent:	2.5%
Vacant Housing Number:	167
Vacant Housing Percent:	20.7%
Unemployed Number:	220
Unemployed Percent:	15.7%

US AIRS (AFS):

Envid:	1000547131
Region Code:	02
County Code:	NY111
Programmatic ID:	AIR NY0000003510800032
Facility Registry ID:	110001586659
D and B Number:	Not reported
Facility Site Name:	KINGSTON HOSPITAL
Primary SIC Code:	8069
NAICS Code:	999999
Default Air Classification Code:	SMI
Facility Type of Ownership Code:	POF

ROUNDOUT CRK/HUDSON RIVER CLUSTER (Continued) **1000547131**

Air CMS Category Code: Not reported
HPV Status: Not reported

US AIRS (AFS):
Region Code: 02
Programmatic ID: AIR NY0000003510800032
Facility Registry ID: 110001586659
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2006-07-19 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 02
Programmatic ID: AIR NY0000003510800032
Facility Registry ID: 110001586659
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2008-07-29 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 02
Programmatic ID: AIR NY0000003510800032
Facility Registry ID: 110001586659
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2012-09-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

FINDS:

Registry ID: 110001586659

Environmental Interest/Information System
AFS (Aerometric Information Retrieval System (AIRS) Facility Subsystem) replaces the former Compliance Data System (CDS), the National Emission Data System (NEDS), and the Storage and Retrieval of Aerometric Data (SAROAD). AIRS is the national repository for information concerning airborne pollution in the United States. AFS is used to track emissions and compliance data from industrial plants. AFS data are utilized by states to prepare State Implementation Plans to comply with regulatory programs and by EPA as an input for the estimation of total national emissions. AFS is undergoing a major redesign to support facility operating permits required under Title V of the Clean Air Act.

ROUNDOUT CRK/HUDSON RIVER CLUSTER (Continued) **1000547131**

AIR SYNTHETIC MINOR

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

FIS (New York - Facility Information System) is New York's Department of Environmental Conservation (DEC) information system for tracking environmental facility information found across the State.

Registry ID: 110039530530

Environmental Interest/Information System
US EPA Assessment, Cleanup and Redevelopment Exchange System (ACRES) is an federal online database for Brownfields Grantees to electronically submit data directly to EPA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1000547131
Registry ID:	110001586659
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110001586659

NY MANIFEST:

Country:	USA
EPA ID:	NYD060548005
Facility Status:	Not reported
Location Address 1:	396 BROADWAY
Code:	BP
Location Address 2:	Not reported
Total Tanks:	Not reported
Location City:	KINGSTON
Location State:	NY
Location Zip:	12401
Location Zip 4:	Not reported

NY MANIFEST:

EPAID:	NYD060548005
Mailing Name:	KINSGTON HOSPITAL THE
Mailing Contact:	JOANNE VALENTINE
Mailing Address 1:	396 BROADWAY
Mailing Address 2:	Not reported
Mailing City:	KINGSTON
Mailing State:	NY
Mailing Zip:	12401
Mailing Zip 4:	Not reported
Mailing Country:	USA
Mailing Phone:	9143313131

NY MANIFEST:

ROUNDOUT CRK/HUDSON RIVER CLUSTER (Continued) **1000547131**

Document ID:	Not reported
Manifest Status:	Not reported
seq:	Not reported
Year:	2017
Trans1 State ID:	PAD982661381
Trans2 State ID:	Not reported
Generator Ship Date:	06/08/2017
Trans1 Recv Date:	06/08/2017
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	06/13/2017
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD060548005
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID 1:	RID040098352
TSDF ID 2:	Not reported
Manifest Tracking Number:	010417300FLE
Import Indicator:	N
Export Indicator:	N
Discr Quantity Indicator:	N
Discr Type Indicator:	N
Discr Residue Indicator:	N
Discr Partial Reject Indicator:	N
Discr Full Reject Indicator:	N
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	H141
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	750
Units:	P - Pounds
Number of Containers:	3
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	L Landfill.
Specific Gravity:	1
Waste Code:	D001
Waste Code 1_2:	D009
Waste Code 1_3:	D011
Waste Code 1_4:	D022
Waste Code 1_5:	D024
Waste Code 1_6:	U010

Click this hyperlink while viewing on your computer to access
102 additional NY_MANIFEST: record(s) in the EDR Site Report.

Count: 3 records. ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
KINGSTON	S113916669	ECONO-WASH AND DRY CLEANING CENTER	318 - 320 BROADWAY	12401	NY SHWS
KINGSTON	S113917115	CH - NORTH ST. KINGSTON MGP	NEAR EAST STRAND STREET (RIVER	12401	NY SHWS
KINGSTON	1003863836	CENTRAL HUDSON G & E /KINGSTON GAS	EAST STRAND	12401	SEMS-ARCHIVE

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 05/30/2017
Date Data Arrived at EDR: 06/08/2017
Date Made Active in Reports: 09/15/2017
Number of Days to Update: 99

Source: EPA
Telephone: N/A
Last EDR Contact: 10/05/2017
Next Scheduled EDR Contact: 01/15/2018
Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 7
Telephone: 913-551-7247

EPA Region 4
Telephone 404-562-8033

EPA Region 8
Telephone: 303-312-6774

EPA Region 5
Telephone 312-886-6686

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 05/30/2017
Date Data Arrived at EDR: 06/09/2017
Date Made Active in Reports: 09/15/2017
Number of Days to Update: 98

Source: EPA
Telephone: N/A
Last EDR Contact: 10/05/2017
Next Scheduled EDR Contact: 01/15/2018
Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991
Date Data Arrived at EDR: 02/02/1994
Date Made Active in Reports: 03/30/1994
Number of Days to Update: 56

Source: EPA
Telephone: 202-564-4267
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Federal Delisted NPL site list

Delisted NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 05/30/2017
Date Data Arrived at EDR: 06/09/2017
Date Made Active in Reports: 09/15/2017
Number of Days to Update: 98

Source: EPA
Telephone: N/A
Last EDR Contact: 10/05/2017
Next Scheduled EDR Contact: 01/15/2018
Data Release Frequency: Quarterly

Federal CERCLIS list

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 11/07/2016
Date Data Arrived at EDR: 01/05/2017
Date Made Active in Reports: 04/07/2017
Number of Days to Update: 92

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 10/06/2017
Next Scheduled EDR Contact: 01/15/2018
Data Release Frequency: Varies

SEMS: Superfund Enterprise Management System

SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly know as CERCLIS, renamed to SEMS by the EPA in 2015. The list contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 07/11/2017
Date Data Arrived at EDR: 07/21/2017
Date Made Active in Reports: 10/06/2017
Number of Days to Update: 77

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 07/21/2017
Next Scheduled EDR Contact: 10/30/2017
Data Release Frequency: Quarterly

Federal CERCLIS NFRAP site list

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that. based upon available information, the location is not judged to be potential NPL site.

Date of Government Version: 07/11/2017
Date Data Arrived at EDR: 07/28/2017
Date Made Active in Reports: 10/06/2017
Number of Days to Update: 70

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 07/28/2017
Next Scheduled EDR Contact: 10/30/2017
Data Release Frequency: Quarterly

Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 09/13/2017
Date Data Arrived at EDR: 09/26/2017
Date Made Active in Reports: 10/06/2017
Number of Days to Update: 10

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Quarterly

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 09/13/2017
Date Data Arrived at EDR: 09/26/2017
Date Made Active in Reports: 10/06/2017
Number of Days to Update: 10

Source: Environmental Protection Agency
Telephone: (212) 637-3660
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Quarterly

Federal RCRA generators list

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 09/13/2017
Date Data Arrived at EDR: 09/26/2017
Date Made Active in Reports: 10/06/2017
Number of Days to Update: 10

Source: Environmental Protection Agency
Telephone: (212) 637-3660
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 09/13/2017
Date Data Arrived at EDR: 09/26/2017
Date Made Active in Reports: 10/06/2017
Number of Days to Update: 10

Source: Environmental Protection Agency
Telephone: (212) 637-3660
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Quarterly

RCRA-CESQG: RCRA - Conditionally Exempt Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 09/13/2017
Date Data Arrived at EDR: 09/26/2017
Date Made Active in Reports: 10/06/2017
Number of Days to Update: 10

Source: Environmental Protection Agency
Telephone: (212) 637-3660
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Quarterly

Federal institutional controls / engineering controls registries

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 05/22/2017
Date Data Arrived at EDR: 06/13/2017
Date Made Active in Reports: 09/15/2017
Number of Days to Update: 94

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 08/10/2017
Next Scheduled EDR Contact: 11/27/2017
Data Release Frequency: Varies

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 08/10/2017
Date Data Arrived at EDR: 08/30/2017
Date Made Active in Reports: 10/13/2017
Number of Days to Update: 44

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 08/30/2017
Next Scheduled EDR Contact: 12/11/2017
Data Release Frequency: Varies

US INST CONTROL: Sites with Institutional Controls

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 08/10/2017
Date Data Arrived at EDR: 08/30/2017
Date Made Active in Reports: 10/13/2017
Number of Days to Update: 44

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 08/30/2017
Next Scheduled EDR Contact: 12/11/2017
Data Release Frequency: Varies

Federal ERNS list

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 09/18/2017
Date Data Arrived at EDR: 09/21/2017
Date Made Active in Reports: 10/13/2017
Number of Days to Update: 22

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 09/21/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Quarterly

State- and tribal - equivalent CERCLIS

SHWS: Inactive Hazardous Waste Disposal Sites in New York State

Referred to as the State Superfund Program, the Inactive Hazardous Waste Disposal Site Remedial Program is the cleanup program for inactive hazardous waste sites and now includes hazardous substance sites

Date of Government Version: 05/16/2017
Date Data Arrived at EDR: 05/18/2017
Date Made Active in Reports: 08/10/2017
Number of Days to Update: 84

Source: Department of Environmental Conservation
Telephone: 518-402-9622
Last EDR Contact: 08/17/2017
Next Scheduled EDR Contact: 11/27/2017
Data Release Frequency: Annually

VAPOR REOPENED: Vapor Intrustion Legacy Site List

New York is currently re-evaluating previous assumptions and decisions regarding the potential for soil vapor intrusion exposures at sites. As a result, all past, current, and future contaminated sites will be evaluated to determine whether these sites have the potential for exposures related to soil vapor intrusion.

Date of Government Version: 05/01/2017
Date Data Arrived at EDR: 05/18/2017
Date Made Active in Reports: 09/22/2017
Number of Days to Update: 127

Source: Department of Environmenal Conservation
Telephone: 518-402-9814
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 11/27/2017
Data Release Frequency: Varies

State and tribal landfill and/or solid waste disposal site lists

SWF/LF: Facility Register

Solid Waste Facilities/Landfill Sites. SWF/LF type records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. Depending on the state, these may be active or inactive facilities or open dumps that failed to meet RCRA Subtitle D Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 06/30/2017
Date Data Arrived at EDR: 07/06/2017
Date Made Active in Reports: 09/22/2017
Number of Days to Update: 78

Source: Department of Environmental Conservation
Telephone: 518-457-2051
Last EDR Contact: 09/21/2017
Next Scheduled EDR Contact: 01/15/2018
Data Release Frequency: Semi-Annually

State and tribal leaking storage tank lists

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 10/14/2016
Date Data Arrived at EDR: 01/27/2017
Date Made Active in Reports: 05/05/2017
Number of Days to Update: 98

Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 07/28/2017
Next Scheduled EDR Contact: 11/08/2017
Data Release Frequency: Semi-Annually

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 04/24/2017
Date Data Arrived at EDR: 07/27/2017
Date Made Active in Reports: 10/06/2017
Number of Days to Update: 71
Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 07/27/2017
Next Scheduled EDR Contact: 11/08/2017
Data Release Frequency: Varies

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 04/14/2017
Date Data Arrived at EDR: 07/27/2017
Date Made Active in Reports: 10/06/2017
Number of Days to Update: 71
Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 07/27/2017
Next Scheduled EDR Contact: 11/08/2017
Data Release Frequency: Varies

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 05/01/2017
Date Data Arrived at EDR: 07/27/2017
Date Made Active in Reports: 10/13/2017
Number of Days to Update: 78
Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 07/27/2017
Next Scheduled EDR Contact: 11/08/2017
Data Release Frequency: Varies

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 10/07/2016
Date Data Arrived at EDR: 01/26/2017
Date Made Active in Reports: 05/05/2017
Number of Days to Update: 99
Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 07/27/2017
Next Scheduled EDR Contact: 11/08/2017
Data Release Frequency: Quarterly

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land
A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 04/14/2017
Date Data Arrived at EDR: 07/27/2017
Date Made Active in Reports: 10/06/2017
Number of Days to Update: 71
Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 07/27/2017
Next Scheduled EDR Contact: 11/08/2017
Data Release Frequency: Varies

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 04/13/2017
Date Data Arrived at EDR: 07/27/2017
Date Made Active in Reports: 10/13/2017
Number of Days to Update: 78
Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 07/27/2017
Next Scheduled EDR Contact: 11/08/2017
Data Release Frequency: Varies

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land
Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 04/26/2017
Date Data Arrived at EDR: 07/27/2017
Date Made Active in Reports: 10/13/2017
Number of Days to Update: 78
Source: EPA, Region 5
Telephone: 312-886-7439
Last EDR Contact: 07/27/2017
Next Scheduled EDR Contact: 11/08/2017
Data Release Frequency: Varies

LTANKS: Spills Information Database

Leaking Storage Tank Incident Reports. These records contain an inventory of reported leaking storage tank incidents reported from 4/1/86 through the most recent update. They can be either leaking underground storage tanks or leaking aboveground storage tanks. The causes of the incidents are tank test failures, tank failures or tank overfills.

Date of Government Version: 05/16/2017
Date Data Arrived at EDR: 05/18/2017
Date Made Active in Reports: 08/09/2017
Number of Days to Update: 83

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 08/17/2017
Next Scheduled EDR Contact: 11/27/2017
Data Release Frequency: Varies

HIST LTANKS: Listing of Leaking Storage Tanks

A listing of leaking underground and aboveground storage tanks. The causes of the incidents are tank test failures, tank failures or tank overfills. In 2002, the Department of Environmental Conservation stopped providing updates to its original Spills Information Database. This database includes fields that are no longer available from the NYDEC as of January 1, 2002. Current information may be found in the NY LTANKS database. Department of Environmental Conservation.

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 07/08/2005
Date Made Active in Reports: 07/14/2005
Number of Days to Update: 6

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 07/07/2005
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

State and tribal registered storage tank lists

FEMA UST: Underground Storage Tank Listing

A listing of all FEMA owned underground storage tanks.

Date of Government Version: 05/15/2017
Date Data Arrived at EDR: 05/30/2017
Date Made Active in Reports: 10/13/2017
Number of Days to Update: 136

Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 10/13/2017
Next Scheduled EDR Contact: 01/22/2018
Data Release Frequency: Varies

UST: Petroleum Bulk Storage (PBS) Database

Facilities that have petroleum storage capacities in excess of 1,100 gallons and less than 400,000 gallons.

Date of Government Version: 09/21/2017
Date Data Arrived at EDR: 09/21/2017
Date Made Active in Reports: 09/22/2017
Number of Days to Update: 1

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 09/21/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: No Update Planned

CBS UST: Chemical Bulk Storage Database

Facilities that store regulated hazardous substances in underground tanks of any size

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 02/20/2002
Date Made Active in Reports: 03/22/2002
Number of Days to Update: 30

Source: NYSDEC
Telephone: 518-402-9549
Last EDR Contact: 10/24/2005
Next Scheduled EDR Contact: 01/23/2006
Data Release Frequency: No Update Planned

MOSF UST: Major Oil Storage Facilities Database

Facilities that may be onshore facilities or vessels, with petroleum storage capacities of 400,000 gallons or greater.

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 02/20/2002
Date Made Active in Reports: 03/22/2002
Number of Days to Update: 30

Source: NYSDEC
Telephone: 518-402-9549
Last EDR Contact: 07/25/2005
Next Scheduled EDR Contact: 10/24/2005
Data Release Frequency: No Update Planned

MOSF: Major Oil Storage Facility Site Listing
These facilities may be onshore facilities or vessels, with petroleum storage capacities of 400,000 gallons or greater.

Date of Government Version: 09/21/2017
Date Data Arrived at EDR: 09/21/2017
Date Made Active in Reports: 09/22/2017
Number of Days to Update: 1
Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 09/21/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Quarterly

CBS: Chemical Bulk Storage Site Listing
These facilities store regulated hazardous substances in aboveground tanks with capacities of 185 gallons or greater, and/or in underground tanks of any size

Date of Government Version: 09/21/2017
Date Data Arrived at EDR: 09/21/2017
Date Made Active in Reports: 09/22/2017
Number of Days to Update: 1
Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 09/21/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Quarterly

AST: Petroleum Bulk Storage
Registered Aboveground Storage Tanks.

Date of Government Version: 09/21/2017
Date Data Arrived at EDR: 09/21/2017
Date Made Active in Reports: 09/22/2017
Number of Days to Update: 1
Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 09/21/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: No Update Planned

CBS AST: Chemical Bulk Storage Database
Facilities that store regulated hazardous substances in aboveground tanks with capacities of 185 gallons or greater, and/or in underground tanks of any size.

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 02/20/2002
Date Made Active in Reports: 03/22/2002
Number of Days to Update: 30
Source: NYSDEC
Telephone: 518-402-9549
Last EDR Contact: 07/25/2005
Next Scheduled EDR Contact: 10/24/2005
Data Release Frequency: No Update Planned

MOSF AST: Major Oil Storage Facilities Database
Facilities that may be onshore facilities or vessels, with petroleum storage capacities of 400,000 gallons or greater.

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 02/20/2002
Date Made Active in Reports: 03/22/2002
Number of Days to Update: 30
Source: NYSDEC
Telephone: 518-402-9549
Last EDR Contact: 07/25/2005
Next Scheduled EDR Contact: 10/24/2005
Data Release Frequency: No Update Planned

INDIAN UST R6: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 10/01/2016
Date Data Arrived at EDR: 01/26/2017
Date Made Active in Reports: 05/05/2017
Number of Days to Update: 99
Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 07/27/2017
Next Scheduled EDR Contact: 11/08/2017
Data Release Frequency: Semi-Annually

INDIAN UST R8: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 05/01/2017
Date Data Arrived at EDR: 07/27/2017
Date Made Active in Reports: 10/13/2017
Number of Days to Update: 78

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 07/27/2017
Next Scheduled EDR Contact: 11/08/2017
Data Release Frequency: Varies

INDIAN UST R7: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 05/02/2017
Date Data Arrived at EDR: 07/27/2017
Date Made Active in Reports: 10/06/2017
Number of Days to Update: 71

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 07/27/2017
Next Scheduled EDR Contact: 11/08/2017
Data Release Frequency: Varies

INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 04/13/2017
Date Data Arrived at EDR: 07/27/2017
Date Made Active in Reports: 10/13/2017
Number of Days to Update: 78

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 07/27/2017
Next Scheduled EDR Contact: 11/08/2017
Data Release Frequency: Varies

INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 04/14/2017
Date Data Arrived at EDR: 07/27/2017
Date Made Active in Reports: 10/06/2017
Number of Days to Update: 71

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 07/27/2017
Next Scheduled EDR Contact: 11/08/2017
Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 10/14/2016
Date Data Arrived at EDR: 01/27/2017
Date Made Active in Reports: 05/05/2017
Number of Days to Update: 98

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 07/28/2017
Next Scheduled EDR Contact: 11/08/2017
Data Release Frequency: Semi-Annually

INDIAN UST R5: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 04/26/2017
Date Data Arrived at EDR: 07/27/2017
Date Made Active in Reports: 10/06/2017
Number of Days to Update: 71

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 07/27/2017
Next Scheduled EDR Contact: 11/08/2017
Data Release Frequency: Varies

INDIAN UST R10: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 04/25/2017
Date Data Arrived at EDR: 07/27/2017
Date Made Active in Reports: 10/13/2017
Number of Days to Update: 78

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 07/27/2017
Next Scheduled EDR Contact: 11/08/2017
Data Release Frequency: Varies

TANKS: Storage Tank Faciliy Listing

This database contains records of facilities that are or have been regulated under Bulk Storage Program. Tank information for these facilities may not be releasable by the state agency.

Date of Government Version: 09/21/2017
Date Data Arrived at EDR: 09/21/2017
Date Made Active in Reports: 09/22/2017
Number of Days to Update: 1

Source: Department of Environmental Conservation
Telephone: 518-402-9543
Last EDR Contact: 09/21/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Quarterly

State and tribal institutional control / engineering control registries

ENV RES DECL: Environmental Restrictive Declarations

The Environmental Restrictive Declarations (ERD) listed were recorded in connection with a zoning action against the noted Tax Blocks and Tax Lots, or portion thereof, and are available in the property records on file at the Office of the City Register for Bronx, Kings, New York and Queens counties or at the Richmond County Clerk's office. They contain environmental requirements with respect to hazardous materials, air quality and/or noise in accordance with Section 11-15 of this Resolution.

Date of Government Version: 06/27/2017
Date Data Arrived at EDR: 09/21/2017
Date Made Active in Reports: 09/22/2017
Number of Days to Update: 1

Source: New York City Department of City Planning
Telephone: 212-720-3300
Last EDR Contact: 09/19/2017
Next Scheduled EDR Contact: 01/01/2018
Data Release Frequency: Varies

RES DECL: Restrictive Declarations Listing

A restrictive declaration is a covenant running with the land which binds the present and future owners of the property. As a condition of certain special permits, the City Planning Commission may require an applicant to sign and record a restrictive declaration that places specified conditions on the future use and development of the property. Certain restrictive declarations are indicated by a D on zoning maps.

Date of Government Version: 11/18/2010
Date Data Arrived at EDR: 06/30/2014
Date Made Active in Reports: 07/21/2014
Number of Days to Update: 21

Source: NYC Department of City Planning
Telephone: 212-720-3401
Last EDR Contact: 09/22/2017
Next Scheduled EDR Contact: 01/01/2018
Data Release Frequency: Varies

ENG CONTROLS: Registry of Engineering Controls

Environmental Remediation sites that have engineering controls in place.

Date of Government Version: 05/16/2017
Date Data Arrived at EDR: 05/18/2017
Date Made Active in Reports: 08/10/2017
Number of Days to Update: 84

Source: Department of Environmental Conservation
Telephone: 518-402-9553
Last EDR Contact: 08/17/2017
Next Scheduled EDR Contact: 11/27/2017
Data Release Frequency: Quarterly

INST CONTROL: Registry of Institutional Controls

Environmental Remediation sites that have institutional controls in place.

Date of Government Version: 05/16/2017
Date Data Arrived at EDR: 05/18/2017
Date Made Active in Reports: 08/10/2017
Number of Days to Update: 84

Source: Department of Environmental Conservation
Telephone: 518-402-9553
Last EDR Contact: 08/17/2017
Next Scheduled EDR Contact: 11/27/2017
Data Release Frequency: Quarterly

State and tribal voluntary cleanup sites

INDIAN VCP R7: Voluntary Cleanup Priority Lisitng
A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008
Date Data Arrived at EDR: 04/22/2008
Date Made Active in Reports: 05/19/2008
Number of Days to Update: 27

Source: EPA, Region 7
Telephone: 913-551-7365
Last EDR Contact: 04/20/2009
Next Scheduled EDR Contact: 07/20/2009
Data Release Frequency: Varies

INDIAN VCP R1: Voluntary Cleanup Priority Listing
A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 07/27/2015
Date Data Arrived at EDR: 09/29/2015
Date Made Active in Reports: 02/18/2016
Number of Days to Update: 142

Source: EPA, Region 1
Telephone: 617-918-1102
Last EDR Contact: 09/25/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Varies

VCP: Voluntary Cleanup Agreements
New York established its Voluntary Cleanup Program (VCP) to address the environmental, legal and financial barriers that often hinder the redevelopment and reuse of contaminated properties. The Voluntary Cleanup Program was developed to enhance private sector cleanup of brownfields by enabling parties to remediate sites using private rather than public funds and to reduce the development pressures on "greenfield" sites.

Date of Government Version: 05/16/2017
Date Data Arrived at EDR: 05/18/2017
Date Made Active in Reports: 08/10/2017
Number of Days to Update: 84

Source: Department of Environmental Conservation
Telephone: 518-402-9711
Last EDR Contact: 08/17/2017
Next Scheduled EDR Contact: 11/27/2017
Data Release Frequency: Semi-Annually

VCP NYC: Voluntary Cleanup Program Listing NYC
New York City voluntary cleanup program sites.

Date of Government Version: 12/19/2016
Date Data Arrived at EDR: 12/20/2016
Date Made Active in Reports: 05/12/2017
Number of Days to Update: 143

Source: New York City Office of Environmental Protection
Telephone: 212-788-8841
Last EDR Contact: 09/18/2017
Next Scheduled EDR Contact: 01/01/2018
Data Release Frequency: Varies

State and tribal Brownfields sites

BROWNFIELDS: Brownfields Site List
A Brownfield is any real property where redevelopment or re-use may be complicated by the presence or potential presence of a hazardous waste, petroleum, pollutant, or contaminant.

Date of Government Version: 05/16/2017
Date Data Arrived at EDR: 05/18/2017
Date Made Active in Reports: 08/10/2017
Number of Days to Update: 84

Source: Department of Environmental Conservation
Telephone: 518-402-9764
Last EDR Contact: 08/17/2017
Next Scheduled EDR Contact: 11/27/2017
Data Release Frequency: Semi-Annually

ERP: Environmental Restoration Program Listing

In an effort to spur the cleanup and redevelopment of brownfields, New Yorkers approved a $200 million Environmental Restoration or Brownfields Fund as part of the $1.75 billion Clean Water/Clean Air Bond Act of 1996 (1996 Bond Act). Enhancements to the program were enacted on October 7, 2003. Under the Environmental Restoration Program, the State provides grants to municipalities to reimburse up to 90 percent of on-site eligible costs and 100% of off-site eligible costs for site investigation and remediation activities. Once remediated, the property may then be reused for commercial, industrial, residential or public use.

Date of Government Version: 05/16/2017
Date Data Arrived at EDR: 05/18/2017
Date Made Active in Reports: 08/10/2017
Number of Days to Update: 84

Source: Department of Environmental Conservation
Telephone: 518-402-9622
Last EDR Contact: 08/17/2017
Next Scheduled EDR Contact: 11/27/2017
Data Release Frequency: Quarterly

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 06/19/2017
Date Data Arrived at EDR: 06/20/2017
Date Made Active in Reports: 09/15/2017
Number of Days to Update: 87

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 09/20/2017
Next Scheduled EDR Contact: 01/01/2018
Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

SWTIRE: Registered Waste Tire Storage & Facility List

A listing of facilities registered to accept waste tires.

Date of Government Version: 06/14/2017
Date Data Arrived at EDR: 06/16/2017
Date Made Active in Reports: 09/22/2017
Number of Days to Update: 98

Source: Department of Environmental Conservation
Telephone: 518-402-8694
Last EDR Contact: 09/15/2017
Next Scheduled EDR Contact: 12/25/2017
Data Release Frequency: Annually

SWRCY: Registered Recycling Facility List

A listing of recycling facilities.

Date of Government Version: 06/30/2017
Date Data Arrived at EDR: 07/06/2017
Date Made Active in Reports: 09/22/2017
Number of Days to Update: 78

Source: Department of Environmental Conservation
Telephone: 518-402-8705
Last EDR Contact: 09/21/2017
Next Scheduled EDR Contact: 01/15/2018
Data Release Frequency: Semi-Annually

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands

Location of open dumps on Indian land.

Date of Government Version: 12/31/1998
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 08/01/2017
Next Scheduled EDR Contact: 11/13/2017
Data Release Frequency: Varies

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations
A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009
Date Data Arrived at EDR: 05/07/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 137
Source: EPA, Region 9
Telephone: 415-947-4219
Last EDR Contact: 07/24/2017
Next Scheduled EDR Contact: 11/08/2017
Data Release Frequency: No Update Planned

ODI: Open Dump Inventory
An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985
Date Data Arrived at EDR: 08/09/2004
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39
Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 06/09/2004
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

IHS OPEN DUMPS: Open Dumps on Indian Land
A listing of all open dumps located on Indian Land in the United States.

Date of Government Version: 04/01/2014
Date Data Arrived at EDR: 08/06/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 176
Source: Department of Health & Human Serivces, Indian Health Service
Telephone: 301-443-1452
Last EDR Contact: 08/29/2017
Next Scheduled EDR Contact: 11/13/2017
Data Release Frequency: Varies

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL: National Clandestine Laboratory Register
A listing of clandestine drug lab locations that have been removed from the DEAs National Clandestine Laboratory Register.

Date of Government Version: 07/13/2017
Date Data Arrived at EDR: 09/06/2017
Date Made Active in Reports: 10/06/2017
Number of Days to Update: 30
Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 08/30/2017
Next Scheduled EDR Contact: 12/11/2017
Data Release Frequency: No Update Planned

DEL SHWS: Delisted Registry Sites
A database listing of sites delisted from the Registry of Inactive Hazardous Waste Disposal Sites.

Date of Government Version: 08/15/2017
Date Data Arrived at EDR: 08/17/2017
Date Made Active in Reports: 09/22/2017
Number of Days to Update: 36
Source: Department of Environmental Conservation
Telephone: 518-402-9622
Last EDR Contact: 08/17/2017
Next Scheduled EDR Contact: 11/27/2017
Data Release Frequency: Annually

US CDL: Clandestine Drug Labs
A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 07/13/2017
Date Data Arrived at EDR: 09/06/2017
Date Made Active in Reports: 10/06/2017
Number of Days to Update: 30
Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 08/30/2017
Next Scheduled EDR Contact: 12/11/2017
Data Release Frequency: Quarterly

Local Lists of Registered Storage Tanks

HIST UST: Historical Petroleum Bulk Storage Database
These facilities have petroleum storage capacities in excess of 1,100 gallons and less than 400,000 gallons. This database contains detailed information per site. It is no longer updated due to the sensitive nature of the information involved. See UST for more current data.

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 06/02/2006
Date Made Active in Reports: 07/20/2006
Number of Days to Update: 48
Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 10/23/2006
Next Scheduled EDR Contact: 01/22/2007
Data Release Frequency: Varies

HIST AST: Historical Petroleum Bulk Storage Database
These facilities have petroleum storage capabilities in excess of 1,100 gallons and less than 400,000 gallons. This database contains detailed information per site. No longer updated due to the sensitive nature of the information involved. See AST for more current data.

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 06/02/2006
Date Made Active in Reports: 07/20/2006
Number of Days to Update: 48
Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 10/23/2006
Next Scheduled EDR Contact: 01/22/2007
Data Release Frequency: No Update Planned

Local Land Records

LIENS: Spill Liens Information
Lien information from the Oil Spill Fund.

Date of Government Version: 08/07/2017
Date Data Arrived at EDR: 08/08/2017
Date Made Active in Reports: 09/22/2017
Number of Days to Update: 45
Source: Office of the State Comptroller
Telephone: 518-474-9034
Last EDR Contact: 08/07/2017
Next Scheduled EDR Contact: 11/20/2017
Data Release Frequency: Varies

LIENS 2: CERCLA Lien Information
A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 07/11/2017
Date Data Arrived at EDR: 07/26/2017
Date Made Active in Reports: 10/13/2017
Number of Days to Update: 79
Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 07/26/2017
Next Scheduled EDR Contact: 11/08/2017
Data Release Frequency: Semi-Annually

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System
Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 09/21/2017
Date Data Arrived at EDR: 09/21/2017
Date Made Active in Reports: 10/13/2017
Number of Days to Update: 22
Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 09/21/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Quarterly

SPILLS: Spills Information Database
Data collected on spills reported to NYSDEC as required by one or more of the following: Article 12 of the Navigation Law, 6 NYCRR Section 613.8 (from PBS regs), or 6 NYCRR Section 595.2 (from CBS regs). It includes spills active as of April 1, 1986, as well as spills occurring since this date.

Date of Government Version: 05/16/2017
Date Data Arrived at EDR: 05/18/2017
Date Made Active in Reports: 08/09/2017
Number of Days to Update: 83

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 08/17/2017
Next Scheduled EDR Contact: 11/27/2017
Data Release Frequency: Varies

HIST SPILLS: SPILLS Database

This database contains records of chemical and petroleum spill incidents. Under State law, petroleum and hazardous chemical spills that can impact the waters of the state must be reported by the spiller (and, in some cases, by anyone who has knowledge of the spills). In 2002, the Department of Environmental Conservation stopped providing updates to its original Spills Information Database. This database includes fields that are no longer available from the NYDEC as of January 1, 2002. Current information may be found in the NY SPILLS database. Department of Environmental Conservation.

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 07/08/2005
Date Made Active in Reports: 07/14/2005
Number of Days to Update: 6

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 07/07/2005
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

SPILLS 90: SPILLS90 data from FirstSearch

Spills 90 includes those spill and release records available exclusively from FirstSearch databases. Typically, they may include chemical, oil and/or hazardous substance spills recorded after 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 90.

Date of Government Version: 12/14/2012
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 02/12/2013
Number of Days to Update: 40

Source: FirstSearch
Telephone: N/A
Last EDR Contact: 01/03/2013
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

SPILLS 80: SPILLS80 data from FirstSearch

Spills 80 includes those spill and release records available from FirstSearch databases prior to 1990. Typically, they may include chemical, oil and/or hazardous substance spills recorded before 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 80.

Date of Government Version: 11/02/2010
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 03/07/2013
Number of Days to Update: 63

Source: FirstSearch
Telephone: N/A
Last EDR Contact: 01/03/2013
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

Other Ascertainable Records

RCRA NonGen / NLR: RCRA - Non Generators / No Longer Regulated

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 09/13/2017
Date Data Arrived at EDR: 09/26/2017
Date Made Active in Reports: 10/06/2017
Number of Days to Update: 10

Source: Environmental Protection Agency
Telephone: (212) 637-3660
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Quarterly

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 01/31/2015
Date Data Arrived at EDR: 07/08/2015
Date Made Active in Reports: 10/13/2015
Number of Days to Update: 97

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 08/25/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: Varies

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 11/10/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 62

Source: USGS
Telephone: 888-275-8747
Last EDR Contact: 10/13/2017
Next Scheduled EDR Contact: 01/22/2018
Data Release Frequency: Semi-Annually

FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 02/06/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 339

Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 10/11/2017
Next Scheduled EDR Contact: 01/22/2018
Data Release Frequency: N/A

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 01/01/2017
Date Data Arrived at EDR: 02/03/2017
Date Made Active in Reports: 04/07/2017
Number of Days to Update: 63

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 11/27/2017
Data Release Frequency: Varies

US FIN ASSUR: Financial Assurance Information

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 05/10/2017
Date Data Arrived at EDR: 05/17/2017
Date Made Active in Reports: 09/15/2017
Number of Days to Update: 121

Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Quarterly

EPA WATCH LIST: EPA WATCH LIST

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 08/30/2013
Date Data Arrived at EDR: 03/21/2014
Date Made Active in Reports: 06/17/2014
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: 617-520-3000
Last EDR Contact: 08/07/2017
Next Scheduled EDR Contact: 11/20/2017
Data Release Frequency: Quarterly

2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 04/22/2013
Date Data Arrived at EDR: 03/03/2015
Date Made Active in Reports: 03/09/2015
Number of Days to Update: 6

Source: Environmental Protection Agency
Telephone: 703-308-4044
Last EDR Contact: 08/24/2017
Next Scheduled EDR Contact: 11/20/2017
Data Release Frequency: Varies

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2012
Date Data Arrived at EDR: 01/15/2015
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 14

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 09/22/2017
Next Scheduled EDR Contact: 01/01/2018
Data Release Frequency: Every 4 Years

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 11/24/2015
Date Made Active in Reports: 04/05/2016
Number of Days to Update: 133

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 08/23/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: Annually

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/2009
Date Data Arrived at EDR: 12/10/2010
Date Made Active in Reports: 02/25/2011
Number of Days to Update: 77

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 07/28/2017
Next Scheduled EDR Contact: 11/08/2017
Data Release Frequency: Annually

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 11/25/2013
Date Data Arrived at EDR: 12/12/2013
Date Made Active in Reports: 02/24/2014
Number of Days to Update: 74

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 09/08/2017
Next Scheduled EDR Contact: 12/18/2017
Data Release Frequency: Annually

RMP: Risk Management Plans

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 02/01/2017
Date Data Arrived at EDR: 02/09/2017
Date Made Active in Reports: 04/07/2017
Number of Days to Update: 57

Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 07/24/2017
Next Scheduled EDR Contact: 11/08/2017
Data Release Frequency: Varies

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995
Date Data Arrived at EDR: 07/03/1995
Date Made Active in Reports: 08/07/1995
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4104
Last EDR Contact: 06/02/2008
Next Scheduled EDR Contact: 09/01/2008
Data Release Frequency: No Update Planned

PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 10/25/2013
Date Data Arrived at EDR: 10/17/2014
Date Made Active in Reports: 10/20/2014
Number of Days to Update: 3

Source: EPA
Telephone: 202-564-6023
Last EDR Contact: 08/08/2017
Next Scheduled EDR Contact: 11/20/2017
Data Release Frequency: Quarterly

PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 06/01/2017
Date Data Arrived at EDR: 06/09/2017
Date Made Active in Reports: 10/13/2017
Number of Days to Update: 126

Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 10/13/2017
Next Scheduled EDR Contact: 01/22/2018
Data Release Frequency: Annually

ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 11/18/2016
Date Data Arrived at EDR: 11/23/2016
Date Made Active in Reports: 02/10/2017
Number of Days to Update: 79

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 10/11/2017
Next Scheduled EDR Contact: 01/22/2018
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25
Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: Quarterly

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25
Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: Quarterly

MLTS: Material Licensing Tracking System
MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 08/30/2016
Date Data Arrived at EDR: 09/08/2016
Date Made Active in Reports: 10/21/2016
Number of Days to Update: 43
Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 08/01/2017
Next Scheduled EDR Contact: 11/20/2017
Data Release Frequency: Quarterly

COAL ASH DOE: Steam-Electric Plant Operation Data
A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 08/07/2009
Date Made Active in Reports: 10/22/2009
Number of Days to Update: 76
Source: Department of Energy
Telephone: 202-586-8719
Last EDR Contact: 10/03/2017
Next Scheduled EDR Contact: 12/18/2017
Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List
A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 07/01/2014
Date Data Arrived at EDR: 09/10/2014
Date Made Active in Reports: 10/20/2014
Number of Days to Update: 40
Source: Environmental Protection Agency
Telephone: N/A
Last EDR Contact: 09/08/2017
Next Scheduled EDR Contact: 12/18/2017
Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database
The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 02/01/2011
Date Data Arrived at EDR: 10/19/2011
Date Made Active in Reports: 01/10/2012
Number of Days to Update: 83
Source: Environmental Protection Agency
Telephone: 202-566-0517
Last EDR Contact: 07/28/2017
Next Scheduled EDR Contact: 11/08/2017
Data Release Frequency: Varies

RADINFO: Radiation Information Database
The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 10/02/2017
Date Data Arrived at EDR: 10/05/2017
Date Made Active in Reports: 10/13/2017
Number of Days to Update: 8

Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 10/05/2017
Next Scheduled EDR Contact: 01/15/2018
Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2007
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing

A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2008
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

DOT OPS: Incident and Accident Data

Department of Transporation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 07/31/2012
Date Data Arrived at EDR: 08/07/2012
Date Made Active in Reports: 09/18/2012
Number of Days to Update: 42

Source: Department of Transporation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 08/01/2017
Next Scheduled EDR Contact: 11/13/2017
Data Release Frequency: Varies

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 09/30/2016
Date Data Arrived at EDR: 11/18/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 77

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 09/25/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Varies

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2015
Date Data Arrived at EDR: 02/22/2017
Date Made Active in Reports: 09/28/2017
Number of Days to Update: 218

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 09/21/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: Biennially

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 07/14/2015
Date Made Active in Reports: 01/10/2017
Number of Days to Update: 546

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 10/11/2017
Next Scheduled EDR Contact: 01/22/2018
Data Release Frequency: Semi-Annually

FUSRAP: Formerly Utilized Sites Remedial Action Program

DOE established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations.

Date of Government Version: 12/23/2016
Date Data Arrived at EDR: 12/27/2016
Date Made Active in Reports: 02/17/2017
Number of Days to Update: 52

Source: Department of Energy
Telephone: 202-586-3559
Last EDR Contact: 08/03/2017
Next Scheduled EDR Contact: 11/20/2017
Data Release Frequency: Varies

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 09/14/2010
Date Data Arrived at EDR: 10/07/2011
Date Made Active in Reports: 03/01/2012
Number of Days to Update: 146

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 10/10/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 05/30/2017
Date Data Arrived at EDR: 06/09/2017
Date Made Active in Reports: 09/15/2017
Number of Days to Update: 98

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 10/05/2017
Next Scheduled EDR Contact: 01/15/2018
Data Release Frequency: Varies

LEAD SMELTER 2: Lead Smelter Sites

A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

Date of Government Version: 04/05/2001
Date Data Arrived at EDR: 10/27/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 36

Source: American Journal of Public Health
Telephone: 703-305-6451
Last EDR Contact: 12/02/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)

The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

US AIRS MINOR: Air Facility System Data

A listing of minor source facilities.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

US MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 07/31/2017
Date Data Arrived at EDR: 08/30/2017
Date Made Active in Reports: 10/13/2017
Number of Days to Update: 44

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 08/30/2017
Next Scheduled EDR Contact: 12/11/2017
Data Release Frequency: Semi-Annually

US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing

This map layer includes ferrous (ferrous metal mines are facilities that extract ferrous metals, such as iron ore or molybdenum) and nonferrous (Nonferrous metal mines are facilities that extract nonferrous metals, such as gold, silver, copper, zinc, and lead) metal mines in the United States.

Date of Government Version: 12/05/2005
Date Data Arrived at EDR: 02/29/2008
Date Made Active in Reports: 04/18/2008
Number of Days to Update: 49

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 09/01/2017
Next Scheduled EDR Contact: 12/11/2017
Data Release Frequency: Varies

US MINES 3: Active Mines & Mineral Plants Database Listing

Active Mines and Mineral Processing Plant operations for commodities monitored by the Minerals Information Team of the USGS.

Date of Government Version: 04/14/2011
Date Data Arrived at EDR: 06/08/2011
Date Made Active in Reports: 09/13/2011
Number of Days to Update: 97

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 09/01/2017
Next Scheduled EDR Contact: 12/11/2017
Data Release Frequency: Varies

ABANDONED MINES: Abandoned Mines

An inventory of land and water impacted by past mining (primarily coal mining) is maintained by OSMRE to provide information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). The inventory contains information on the location, type, and extent of AML impacts, as well as, information on the cost associated with the reclamation of those problems. The inventory is based upon field surveys by State, Tribal, and OSMRE program officials. It is dynamic to the extent that it is modified as new problems are identified and existing problems are reclaimed.

Date of Government Version: 03/14/2017
Date Data Arrived at EDR: 03/17/2017
Date Made Active in Reports: 04/07/2017
Number of Days to Update: 21

Source: Department of Interior
Telephone: 202-208-2609
Last EDR Contact: 09/25/2017
Next Scheduled EDR Contact: 12/25/2017
Data Release Frequency: Quarterly

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 07/23/2017
Date Data Arrived at EDR: 09/06/2017
Date Made Active in Reports: 09/15/2017
Number of Days to Update: 9

Source: EPA
Telephone: (212) 637-3000
Last EDR Contact: 09/06/2017
Next Scheduled EDR Contact: 12/18/2017
Data Release Frequency: Quarterly

UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 10/25/2016
Date Data Arrived at EDR: 06/02/2017
Date Made Active in Reports: 10/13/2017
Number of Days to Update: 133

Source: Department of Defense
Telephone: 571-373-0407
Last EDR Contact: 07/17/2017
Next Scheduled EDR Contact: 10/30/2017
Data Release Frequency: Varies

ECHO: Enforcement & Compliance History Information

ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

Date of Government Version: 03/19/2017
Date Data Arrived at EDR: 03/21/2017
Date Made Active in Reports: 05/12/2017
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 202-564-2280
Last EDR Contact: 09/06/2017
Next Scheduled EDR Contact: 12/18/2017
Data Release Frequency: Quarterly

DOCKET HWC: Hazardous Waste Compliance Docket Listing

A complete list of the Federal Agency Hazardous Waste Compliance Docket Facilities.

Date of Government Version: 06/02/2016
Date Data Arrived at EDR: 06/03/2016
Date Made Active in Reports: 09/02/2016
Number of Days to Update: 91

Source: Environmental Protection Agency
Telephone: 202-564-0527
Last EDR Contact: 09/21/2017
Next Scheduled EDR Contact: 12/11/2017
Data Release Frequency: Varies

FUELS PROGRAM: EPA Fuels Program Registered Listing

This listing includes facilities that are registered under the Part 80 (Code of Federal Regulations) EPA Fuels Programs. All companies now are required to submit new and updated registrations.

Date of Government Version: 08/17/2017
Date Data Arrived at EDR: 08/17/2017
Date Made Active in Reports: 09/15/2017
Number of Days to Update: 29

Source: EPA
Telephone: 800-385-6164
Last EDR Contact: 08/17/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: Quarterly

AIRS: Air Emissions Data

Point source emissions inventory data.

Date of Government Version: 11/09/2016
Date Data Arrived at EDR: 11/18/2016
Date Made Active in Reports: 01/04/2017
Number of Days to Update: 47

Source: Department of Environmental Conservation
Telephone: 518-402-8452
Last EDR Contact: 07/24/2017
Next Scheduled EDR Contact: 11/08/2017
Data Release Frequency: Annually

COAL ASH: Coal Ash Disposal Site Listing
A listing of coal ash disposal site locations.

Date of Government Version: 09/25/2017
Date Data Arrived at EDR: 09/26/2017
Date Made Active in Reports: 10/12/2017
Number of Days to Update: 16

Source: Department of Environmental Conservation
Telephone: 518-402-8660
Last EDR Contact: 09/21/2017
Next Scheduled EDR Contact: 01/15/2018
Data Release Frequency: Quarterly

DRYCLEANERS: Registered Drycleaners
A listing of all registered drycleaning facilities.

Date of Government Version: 10/27/2016
Date Data Arrived at EDR: 01/10/2017
Date Made Active in Reports: 02/10/2017
Number of Days to Update: 31

Source: Department of Environmental Conservation
Telephone: 518-402-8403
Last EDR Contact: 09/08/2017
Next Scheduled EDR Contact: 12/25/2017
Data Release Frequency: Varies

E DESIGNATION: E DESIGNATION SITE LISTING
The (E (Environmental)) designation would ensure that sampling and remediation take place on the subject properties, and would avoid any significant impacts related to hazardous materials at these locations. The (E) designations would require that the fee owner of the sites conduct a testing and sampling protocol, and remediation where appropriate, to the satisfaction of the NYCDEP before the issuance of a building permit by the Department of Buildings pursuant to the provisions of Section 11-15 of the Zoning Resolution (Environmental Requirements). The (E) designations also include a mandatory construction-related health and safety plan which must be approved by NYCDEP.

Date of Government Version: 08/22/2017
Date Data Arrived at EDR: 09/21/2017
Date Made Active in Reports: 09/22/2017
Number of Days to Update: 1

Source: New York City Department of City Planning
Telephone: 718-595-6658
Last EDR Contact: 09/18/2017
Next Scheduled EDR Contact: 01/01/2018
Data Release Frequency: Varies

Financial Assurance 1: Financial Assurance Information Listing
Financial assurance information.

Date of Government Version: 09/07/2017
Date Data Arrived at EDR: 10/02/2017
Date Made Active in Reports: 10/12/2017
Number of Days to Update: 10

Source: Department of Environmental Conservation
Telephone: 518-402-8660
Last EDR Contact: 09/21/2017
Next Scheduled EDR Contact: 01/15/2018
Data Release Frequency: Quarterly

Financial Assurance 2: Financial Assurance Information Listing
A listing of financial assurance information for hazardous waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 03/09/2017
Date Data Arrived at EDR: 04/12/2017
Date Made Active in Reports: 10/13/2017
Number of Days to Update: 184

Source: Department of Environmental Conservation
Telephone: 518-402-8712
Last EDR Contact: 09/08/2017
Next Scheduled EDR Contact: 12/25/2017
Data Release Frequency: Varies

HSWDS: Hazardous Substance Waste Disposal Site Inventory
The list includes any known or suspected hazardous substance waste disposal sites. Also included are sites delisted from the Registry of Inactive Hazardous Waste Disposal Sites and non-Registry sites that U.S. EPA Preliminary Assessment (PA) reports or Site Investigation (SI) reports were prepared. Hazardous Substance Waste Disposal Sites are eligible to be Superfund sites now that the New York State Superfund has been refinanced and changed. This means that the study inventory has served its purpose and will no longer be maintained as a separate entity. The last version of the study inventory is frozen in time. The sites on the study will not automatically be made Superfund sites, rather each site will be further evaluated for listing on the Registry. So overtime they will be added to the registry or not.

Date of Government Version: 01/01/2003
Date Data Arrived at EDR: 10/20/2006
Date Made Active in Reports: 11/30/2006
Number of Days to Update: 41

Source: Department of Environmental Conservation
Telephone: 518-402-9564
Last EDR Contact: 05/26/2009
Next Scheduled EDR Contact: 08/24/2009
Data Release Frequency: No Update Planned

NY MANIFEST: Facility and Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 07/31/2017
Date Data Arrived at EDR: 08/03/2017
Date Made Active in Reports: 10/12/2017
Number of Days to Update: 70

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 08/03/2017
Next Scheduled EDR Contact: 11/13/2017
Data Release Frequency: Quarterly

SPDES: State Pollutant Discharge Elimination System

New York State has a state program which has been approved by the United States Environmental Protection Agency for the control of wastewater and stormwater discharges in accordance with the Clean Water Act. Under New York State law the program is known as the State Pollutant Discharge Elimination System (SPDES) and is broader in scope than that required by the Clean Water Act in that it controls point source discharges to groundwaters as well as surface waters.

Date of Government Version: 07/24/2017
Date Data Arrived at EDR: 08/08/2017
Date Made Active in Reports: 10/13/2017
Number of Days to Update: 66

Source: Department of Environmental Conservation
Telephone: 518-402-8233
Last EDR Contact: 07/24/2017
Next Scheduled EDR Contact: 11/08/2017
Data Release Frequency: No Update Planned

UIC: Underground Injection Control Wells

A listing of enhanced oil recovery underground injection wells.

Date of Government Version: 09/05/2017
Date Data Arrived at EDR: 09/08/2017
Date Made Active in Reports: 10/13/2017
Number of Days to Update: 35

Source: Department of Environmental Conservation
Telephone: 518-402-8056
Last EDR Contact: 09/08/2017
Next Scheduled EDR Contact: 12/18/2017
Data Release Frequency: Quarterly

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

EDR Hist Auto: EDR Exclusive Historic Gas Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR Hist Cleaner: EDR Exclusive Historic Dry Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA HWS: Recovered Government Archive State Hazardous Waste Facilities List

The EDR Recovered Government Archive State Hazardous Waste database provides a list of SHWS incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Environmental Conservation in New York.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 12/30/2013
Number of Days to Update: 182

Source: Department of Environmental Conservation
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

RGA LF: Recovered Government Archive Solid Waste Facilities List

The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Environmental Conservation in New York.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/10/2014
Number of Days to Update: 193

Source: Department of Environmental Conservation
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

COUNTY RECORDS

CORTLAND COUNTY:

Cortland County Storage Tank Listing

A listing of aboveground storage tank sites located in Cortland County.

Date of Government Version: 06/26/2017
Date Data Arrived at EDR: 08/18/2017
Date Made Active in Reports: 09/22/2017
Number of Days to Update: 35

Source: Cortland County Health Department
Telephone: 607-753-5035
Last EDR Contact: 07/31/2017
Next Scheduled EDR Contact: 11/13/2017
Data Release Frequency: Quarterly

Cortland County Storage Tank Listing
A listing of underground storage tank sites located in Cortland County.

Date of Government Version: 06/26/2017
Date Data Arrived at EDR: 08/18/2017
Date Made Active in Reports: 09/22/2017
Number of Days to Update: 35

Source: Cortland County Health Department
Telephone: 607-753-5035
Last EDR Contact: 07/31/2017
Next Scheduled EDR Contact: 11/13/2017
Data Release Frequency: Quarterly

NASSAU COUNTY:

Registered Tank Database
A listing of aboveground storage tank sites located in Nassau County.

Date of Government Version: 01/09/2017
Date Data Arrived at EDR: 01/11/2017
Date Made Active in Reports: 02/15/2017
Number of Days to Update: 35

Source: Nassau County Health Department
Telephone: 516-571-3314
Last EDR Contact: 09/25/2017
Next Scheduled EDR Contact: 11/13/2017
Data Release Frequency: No Update Planned

Storage Tank Database
A listing of aboveground storage tank sites located in Nassau County.

Date of Government Version: 02/15/2011
Date Data Arrived at EDR: 02/23/2011
Date Made Active in Reports: 03/29/2011
Number of Days to Update: 34

Source: Nassau County Office of the Fire Marshal
Telephone: 516-572-1000
Last EDR Contact: 07/31/2017
Next Scheduled EDR Contact: 11/13/2017
Data Release Frequency: Varies

Registered Tank Database in Nassau County
A listing of facilities in Nassau County with storage tanks.

Date of Government Version: 01/09/2017
Date Data Arrived at EDR: 01/11/2017
Date Made Active in Reports: 02/15/2017
Number of Days to Update: 35

Source: Nassau County Department of Health
Telephone: 516-227-9691
Last EDR Contact: 09/25/2017
Next Scheduled EDR Contact: 11/13/2017
Data Release Frequency: Varies

Registered Tank Database
A listing of underground storage tank sites located in Nassau County.

Date of Government Version: 01/09/2017
Date Data Arrived at EDR: 01/11/2017
Date Made Active in Reports: 02/15/2017
Number of Days to Update: 35

Source: Nassau County Health Department
Telephone: 516-571-3314
Last EDR Contact: 09/25/2017
Next Scheduled EDR Contact: 11/13/2017
Data Release Frequency: No Update Planned

Storage Tank Database
A listing of underground storage tank sites located in Nassau County.

Date of Government Version: 02/15/2011
Date Data Arrived at EDR: 02/23/2011
Date Made Active in Reports: 03/29/2011
Number of Days to Update: 34

Source: Nassau County Office of the Fire Marshal
Telephone: 516-572-1000
Last EDR Contact: 07/31/2017
Next Scheduled EDR Contact: 11/13/2017
Data Release Frequency: Varies

ROCKLAND COUNTY:

Petroleum Bulk Storage Database
A listing of aboveground storage tank sites located in Rockland County.

Date of Government Version: 02/02/2017
Date Data Arrived at EDR: 03/17/2017
Date Made Active in Reports: 09/22/2017
Number of Days to Update: 189
Source: Rockland County Health Department
Telephone: 914-364-2605
Last EDR Contact: 08/31/2017
Next Scheduled EDR Contact: 12/18/2017
Data Release Frequency: Quarterly

Petroleum Bulk Storage Database
A listing of underground storage tank sites located in Rockland County.

Date of Government Version: 02/02/2017
Date Data Arrived at EDR: 03/17/2017
Date Made Active in Reports: 09/22/2017
Number of Days to Update: 189
Source: Rockland County Health Department
Telephone: 914-364-2605
Last EDR Contact: 08/31/2017
Next Scheduled EDR Contact: 12/18/2017
Data Release Frequency: Quarterly

SUFFOLK COUNTY:

Storage Tank Database
A listing of aboveground storage tank sites located in Suffolk County.

Date of Government Version: 03/03/2015
Date Data Arrived at EDR: 03/10/2015
Date Made Active in Reports: 03/23/2015
Number of Days to Update: 13
Source: Suffolk County Department of Health Services
Telephone: 631-854-2521
Last EDR Contact: 09/08/2017
Next Scheduled EDR Contact: 11/13/2017
Data Release Frequency: No Update Planned

Storage Tank Database
A listing of underground storage tank sites located in Suffolk County.

Date of Government Version: 03/03/2015
Date Data Arrived at EDR: 03/10/2015
Date Made Active in Reports: 03/23/2015
Number of Days to Update: 13
Source: Suffolk County Department of Health Services
Telephone: 631-854-2521
Last EDR Contact: 09/08/2017
Next Scheduled EDR Contact: 11/13/2017
Data Release Frequency: No Update Planned

WESTCHESTER COUNTY:

Listing of Storage Tanks
A listing of aboveground storage tank sites located in Westchester County.

Date of Government Version: 07/03/2017
Date Data Arrived at EDR: 08/15/2017
Date Made Active in Reports: 09/22/2017
Number of Days to Update: 38
Source: Westchester County Department of Health
Telephone: 914-813-5161
Last EDR Contact: 07/31/2017
Next Scheduled EDR Contact: 11/13/2017
Data Release Frequency: Varies

Listing of Storage Tanks
A listing of underground storage tank sites located in Westchester County.

Date of Government Version: 07/03/2017
Date Data Arrived at EDR: 08/15/2017
Date Made Active in Reports: 09/22/2017
Number of Days to Update: 38
Source: Westchester County Department of Health
Telephone: 914-813-5161
Last EDR Contact: 07/31/2017
Next Scheduled EDR Contact: 11/13/2017
Data Release Frequency: Varies

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data

Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 07/30/2013
Date Data Arrived at EDR: 08/19/2013
Date Made Active in Reports: 10/03/2013
Number of Days to Update: 45

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 11/27/2017
Data Release Frequency: No Update Planned

NJ MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2016
Date Data Arrived at EDR: 04/11/2017
Date Made Active in Reports: 07/27/2017
Number of Days to Update: 107

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 10/05/2017
Next Scheduled EDR Contact: 01/22/2018
Data Release Frequency: Annually

PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2016
Date Data Arrived at EDR: 07/25/2017
Date Made Active in Reports: 09/25/2017
Number of Days to Update: 62

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 07/17/2017
Next Scheduled EDR Contact: 10/30/2017
Data Release Frequency: Annually

RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 12/31/2013
Date Data Arrived at EDR: 06/19/2015
Date Made Active in Reports: 07/15/2015
Number of Days to Update: 26

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 08/21/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: Annually

VT MANIFEST: Hazardous Waste Manifest Data

Hazardous waste manifest information.

Date of Government Version: 05/12/2017
Date Data Arrived at EDR: 05/23/2017
Date Made Active in Reports: 08/16/2017
Number of Days to Update: 85

Source: Department of Environmental Conservation
Telephone: 802-241-3443
Last EDR Contact: 07/17/2017
Next Scheduled EDR Contact: 10/30/2017
Data Release Frequency: Annually

WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2016
Date Data Arrived at EDR: 04/13/2017
Date Made Active in Reports: 07/14/2017
Number of Days to Update: 92

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 09/11/2017
Next Scheduled EDR Contact: 12/25/2017
Data Release Frequency: Annually

Oil/Gas Pipelines

Source: PennWell Corporation

Petroleum Bundle (Crude Oil, Refined Products, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). This map includes information copyrighted by PennWell Corporation. This information is provided on a best effort basis and PennWell Corporation does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of PennWell.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Electric Power Transmission Line Data
Source: PennWell Corporation
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Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:
Source: American Hospital Association, Inc.
Telephone: 312-280-5991
The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing
Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000
A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes
Source: National Institutes of Health
Telephone: 301-594-6248
Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Day Care Providers
Source: Department of Health
Telephone: 212-676-2444

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Freshwater Wetlands
Source: Department of Environmental Conservation
Telephone: 518-402-8961

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

STREET AND ADDRESS INFORMATION

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APPENDIX D

GEOPHYSICAL SURVEY LOGS

GEOPHYSICAL ENGINEERING SURVEY REPORT

Commercial Sites
25 Field Court,
Kingston, New York 12401

NOVA PROJECT NUMBER:

18-0842

DATED:

July 6 , 2018

PREPARED FOR:

D&B ENGINEERS
AND
ARCHITECTS, P.C.
330 Crossways Park Drive
Woodbury, New York 11797

PREPARED BY:

NOVA
GEOPHYSICAL
ENGINEERING
Subsurface Mapping Solutions
56-01 Marathon Parkway # 765
Douglaston, New York 11362
347-556-7787 (PHONE)
718-261-1527(FAX)
www.nova-gsi.com

NOVA GEOPHYSICAL SERVICES

SUBSURFACE MAPPING SOLUTIONS
56-01 Marathon Parkway #765, Douglaston, New York 11362
Ph. 347-556-7787 Fax. 718-261-1527
www.nova-gsi.com

July 6, 2018,

Lindsay Peppe
Geologist
D&B Engineers and Architects, P.C.
330 Crossways Park Drive
Woodbury, New York 11797
P: 516-364-9890 ext. 3095
F: 516-364-9045
E: lpeppe@db-eng.com

Re: Geophysical Engineering Survey (GES) Report
Commercial Site
25 Field Court,
Kingston, New York 12401

Dear Ms. Peppe,

Nova Geophysical Services (NOVA) is pleased to provide the findings of the geophysical engineering survey (GES) at the above referenced project site: 25 Field Court, Kingston, New York 12401 (the "Site").

INTRODUCTION TO GEOPHYSICAL ENGINEERING SURVEY (GES)

NOVA performed a geophysical engineering survey (GES) consisting of a Ground Penetrating Radar (GPR) and Electromagnetic (EM) survey at the site. The purpose of this survey is to locate and identify utilities, underground storage tanks and other substructures as well as to clear and mark proposed boring areas on June 28th, 2018.

The equipment selected for this investigation was a Sensors and Software Noggin 250 MHz ground penetrating radar (GPR) with a shielded antenna and a Radio Detection RD7100 Electromagnetic utility locator.

A GPR system consists of a radar control unit, control cable, and transducer (antenna). The control unit transmits a trigger pulse at a normal repetition rate of 250 MHz. The trigger pulse is sent to the transmitter electronics in the transduce via the control cable. The transmitter electronics amplify the trigger pulse into bipolar pulses that are radiated to the surface. The

transformed pulses vary in shape and frequency according to the transducer used. In the subsurface, variations of the signal occur at boundaries where there is a dielectric contrast (void, steel, soil type, etc.). Signal reflections travel back to the control unit and are represented as color graphic images for interpolation.

A typical electromagnetic (EM) utility locating system consists of a transmitter unit and a receiver unit. The receiver unit can be used independently of the transmitter unit in order to detect utility lines with an inherent EM signature (electric utility lines, water lines, etc.). If needed a current at a specific frequency can also be placed on a utility that is being located. This can be done via the transmitter unit by either direct connection or induction via an EM field varying at specific frequency. The receiver unit is then set to the selected frequency and the electromagnetic field created by the current running through the utility can be located allowing the utility to be marked.

GEOPHYSICAL METHODS

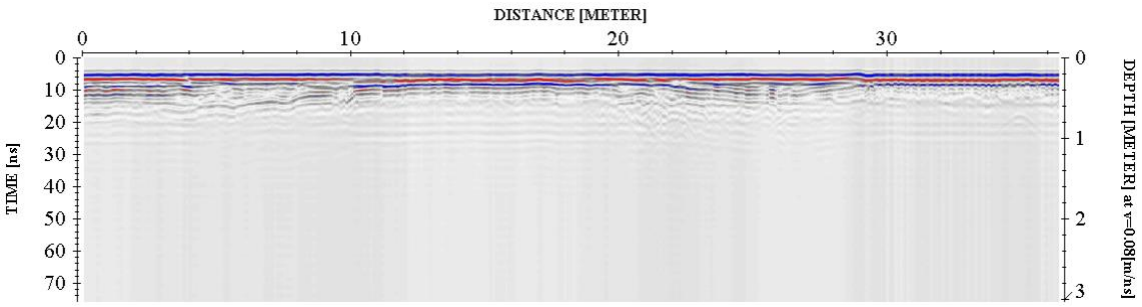
The project site was screened using GPR to search the specified area and inspected for reflections, which could be indicative of substructures and utilities within the subsurface. An EM utility locator was used to help determine the locations of utilities within the survey area.

EM data was collected and interpreted on site and suspected utilities marked as needed. GPR data profiles were collected for the areas of the Site specified by the client and processed as specified below.

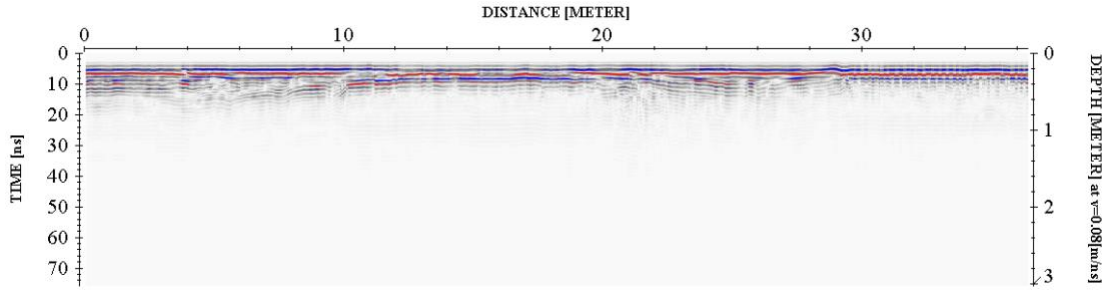
DATA PROCESSING

In order to improve the quality of the results and to better identify anomalies NOVA processed the collected data. The processing work flow is briefly described in this section.

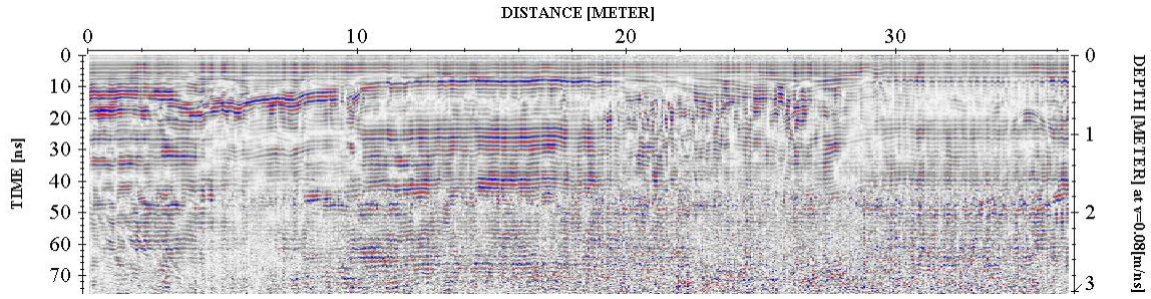
Step 1. Import Raw RAMAC data to standard processing format



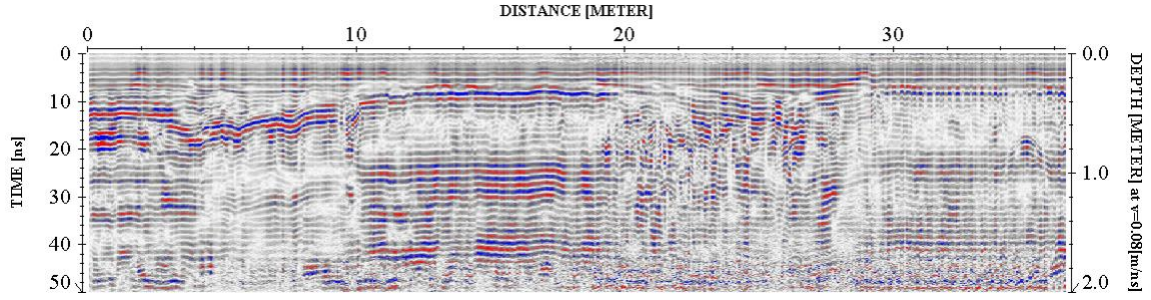
Step 2. Remove instrument noise *(dewow)*



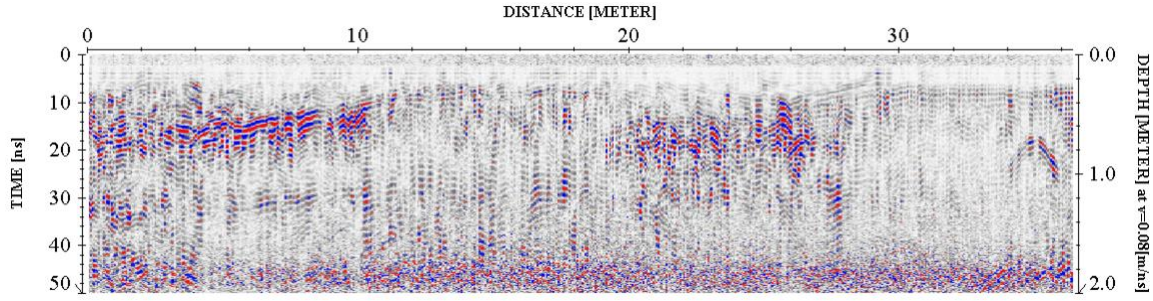
Step 3. Correct for attenuation losses *(energy decay function)*



Step 4. Remove static from bottom of profile *(time cut)*



Step 5. Mute horizontal ringing/noise *(subtracting average)*



The above example shows the significance of data processing. The last image (step 5) has higher resolution than the starting image (raw data – step 1) and represents the subsurface anomalies much more accurately.

PHYSICAL SETTINGS

NOVA observed the following physical conditions at the time of the survey.

Weather: Rain, Overcast

Temperature: 85° F

Surface: Asphalt, Concrete, Wood Flooring, Soil, Vegetation

Geophysical Noise Level: Geophysical noise at the site was high due to being in an urban environment.

RESULTS

The results of the geophysical engineering survey (GES) identified the following at the project site:

- The GES identified subsurface utilities: Sewer, water, and gas service and main lines located throughout the project site. Their approximate locations are shown in the survey plan.
- The GES identified two (2) large geophysical anomalies; the smaller of the two was approximately 2 feet to 3 feet below ground surface (bgs) and the large of the two was approximately 6 feet to 7 feet bgs.
- The GES identified multiple suspected former utility lines and are shown on the site survey plan.
- All detected subsurface anomalies were marked in the onsite mark out.
- NOVA cleared and marked all of the proposed boring locations at the project sites.

If you have any questions, please do not hesitate to contact the undersigned.

Sincerely,

NOVA Geophysical Services



Levent Eskicakit, P.G., E.P.

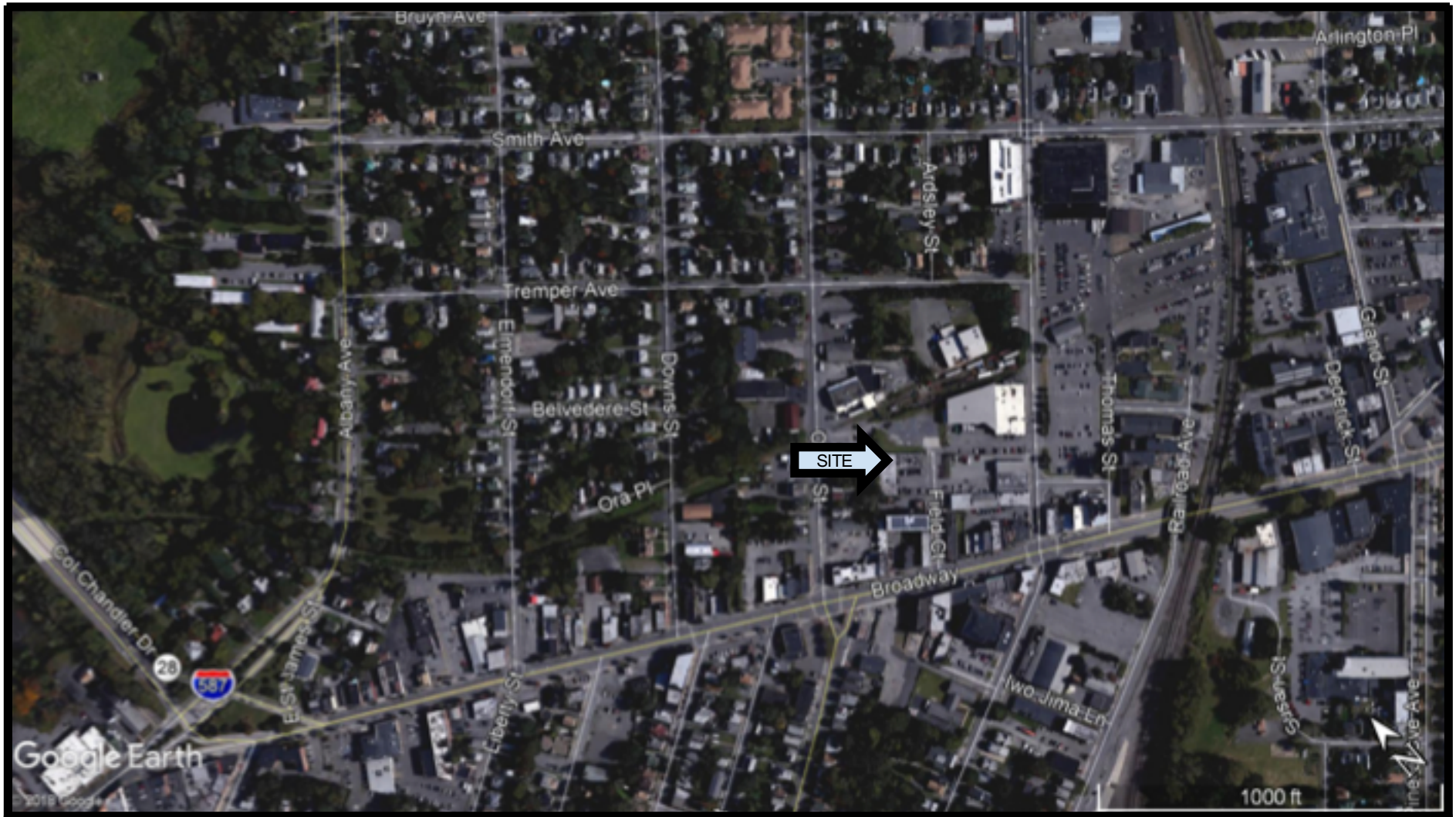
Project Engineer

Attachments:

Geophysical Images

Survey Plan

Location Map



NOVA Geophysical Services

Subsurface Mapping Solutions
56-01 Marathon Parkway, # 765
Douglaston, New York 11362
Phone (347) 556-7787 * Fax (718) 261-1527
www.nova-gsi.com

SITE LOCATION MAP

SITE:	**Commercial Site** 25 Field Court, Kingston, New York 12401
CLIENT:	D&B Engineers
DATE:	June 28th, 2018
AUTH:	Chris Steinley

LEGEND



NOVA
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SURVEY PLAN

SITE:	**Commercial Site** 25 Field Court, Kingston, New York 12401
CLIENT:	D&B Engineers
DATE:	June 28th, 2018
AUTH:	Chris Steinley

LEGEND

- Survey Area
- Geophysical Anomaly
- Gas
- Water
- Sewer
- Former Utility

GEOPHYSICAL IMAGES

Commercial Site
25 Field Court,
Kingston, New York 12401
June 28th, 2018





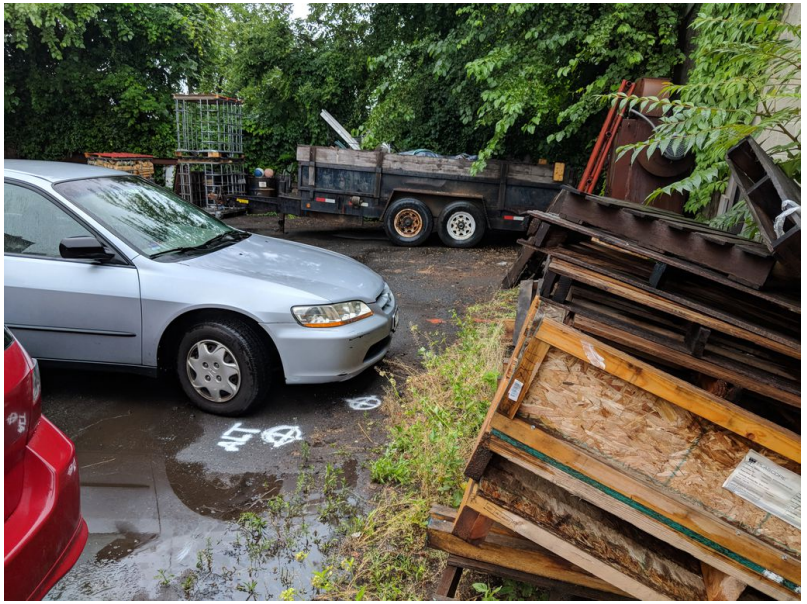




GEOPHYSICAL IMAGES

Commercial Site
25 Field Court,
Kingston, New York 12401
June 28th, 2018









GEOPHYSICAL IMAGES

Commercial Site
25 Field Court,
Kingston, New York 12401
June 28th, 2018









GEOPHYSICAL IMAGES

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GEOPHYSICAL IMAGES

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GEOPHYSICAL IMAGES

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GEOPHYSICAL IMAGES

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June 28th, 2018









GEOPHYSICAL IMAGES

Commercial Site
25 Field Court,
Kingston, New York 12401
June 28th, 2018







APPENDIX E

FIELD FORMS

OSR – 3

NEW YORK STATE DEPARTMENT OF HEALTH
INDOOR AIR QUALITY QUESTIONNAIRE AND BUILDING INVENTORY
CENTER FOR ENVIRONMENTAL HEALTH

This form must be completed for each residence involved in indoor air testing.

Preparer's Name Paul Bamsich Date/Time Prepared 6/28/18

Preparer's Affiliation D+B Engineers & Architects, P.C. Phone No. 516-364-9890

Purpose of Investigation Phase II, Site Characterization 25 Field Ct, Kingston, NY

1. OCCUPANT:

Interviewed: Y / (N)

Last Name: _____ First Name: _____

Address: _____

County: _____

Home Phone: _____ Office Phone: _____

Number of Occupants/persons at this location _____ Age of Occupants _____

2. OWNER OR LANDLORD: (Check if same as occupant ___)

Interviewed: Y / (N)

Last Name: _____ First Name: _____

Address: _____

County: _____

Home Phone: _____ Office Phone: _____

3. BUILDING CHARACTERISTICS

Type of Building: (Circle appropriate response)

Residential School (Commercial/Multi-use)
Industrial Church Other: _____

If the property is residential, type? (Circle appropriate response)

Ranch	2-Family	3-Family
Raised Ranch	Split Level	Colonial
Cape Cod	Contemporary	Mobile Home
Duplex	Apartment House	Townhouses/Condos
Modular	Log Home	Other:_____

If multiple units, how many? _____

If the property is commercial, type?

Business Type(s) Multiple offices

Does it include residences (i.e., multi-use)? Y (N) If yes, how many? _____

Other characteristics:

Number of floors 1 Building age_____

Is the building insulated? (Y) / N How air tight? Tight / (Average) / Not Tight

4. AIRFLOW

Use air current tubes or tracer smoke to evaluate airflow patterns and qualitatively describe:

Airflow between floors

_____

_____

_____

Airflow near source

_____

_____

_____

Outdoor air infiltration

_____

_____

_____

Infiltration into air ducts

_____

_____

_____

5. **BASEMENT AND CONSTRUCTION CHARACTERISTICS** (Circle all that apply)

a. Above grade construction:	wood frame	concrete	stone	brick
~~**b. Basement type:**~~	full	crawlspace	slab	other _____
~~**c. Basement floor:**~~	concrete	dirt	stone	other _____
~~**d. Basement floor:**~~	uncovered	covered	covered with _____	
e. Concrete floor:	unsealed	sealed	sealed with tiles	
f. Foundation walls:	poured	block	stone	other _____
g. Foundation walls:	unsealed	sealed	sealed with paint	
~~**h. The basement is:**~~	wet	damp	dry	moldy
~~**i. The basement is:**~~	finished	unfinished	partially finished	
j. Sump present?	Y / N			
k. Water in sump?	Y / N / not applicable			

Basement/Lowest level depth below grade: _____(feet)

Identify potential soil vapor entry points and approximate size (e.g., cracks, utility ports, drains)

_____

_____

6. **HEATING, VENTING and AIR CONDITIONING** (Circle all that apply)

Type of heating system(s) used in this building: (circle all that apply – note primary)

Hot air circulation	Heat pump	Hot water baseboard	
Space Heaters	Stream radiation	Radiant floor	
Electric baseboard	Wood stove	Outdoor wood boiler	Other _____

The primary type of fuel used is:

Natural Gas	Fuel Oil	Kerosene
Electric	Propane	Solar
Wood	Coal	

Domestic hot water tank fueled by: _____

Boiler/furnace located in:	Basement	Outdoors	Main Floor	Other_____
Air conditioning:	Central Air	Window units	Open Windows	None

Are there air distribution ducts present? (Y) / N

Describe the supply and cold air return ductwork, and its condition where visible, including whether there is a cold air return and the tightness of duct joints. Indicate the locations on the floor plan diagram.

7. OCCUPANCY

Is basement/lowest level occupied? Full-time Occasionally Seldom (Almost Never)

Level	**General Use of Each Floor (e.g., familyroom, bedroom, laundry, workshop, storage)**
~~Basement~~	
1st Floor	Multiple offices
~~2nd Floor~~	
~~3rd Floor~~	
~~4th Floor~~	

8. FACTORS THAT MAY INFLUENCE INDOOR AIR QUALITY

a. Is there an attached garage? Y / (N)

b. Does the garage have a separate heating unit? Y / N / (NA)

c. Are petroleum-powered machines or vehicles stored in the garage (e.g., lawnmower, atv, car) Y / N / (NA) Please specify_____

d. Has the building ever had a fire? Y / (N) When?_____

e. Is a kerosene or unvented gas space heater present? Y / (N) Where?_____

f. Is there a workshop or hobby/craft area? Y / (N) Where & Type?_____

g. Is there smoking in the building? Y / (N) How frequently?_____

h. Have cleaning products been used recently? Y / (N) When & Type?_____

i. Have cosmetic products been used recently? Y / (N) When & Type?_____

j. Has painting/staining been done in the last 6 months? Y / (N) Where & When? _____

k. Is there new carpet, drapes or other textiles? Y / (N) Where & When? _____

l. Have air fresheners been used recently? Y / (N) When & Type? _____

m. Is there a kitchen exhaust fan? Y / (N) If yes, where vented? _____

n. Is there a bathroom exhaust fan? Y / (N) If yes, where vented? _____

o. Is there a clothes dryer? Y / (N) If yes, is it vented outside? Y / N

p. Has there been a pesticide application? Y / (N) When & Type? _____

Are there odors in the building? Y / (N)
If yes, please describe: _____

Do any of the building occupants use solvents at work? Y / (N)
(e.g., chemical manufacturing or laboratory, auto mechanic or auto body shop, painting, fuel oil delivery, boiler mechanic, pesticide application, cosmetologist

If yes, what types of solvents are used? _____

If yes, are their clothes washed at work? Y / (N)

Do any of the building occupants regularly use or work at a dry-cleaning service? (Circle appropriate response)

Yes, use dry-cleaning regularly (weekly)
Yes, use dry-cleaning infrequently (monthly or less)
Yes, work at a dry-cleaning service
No
(Unknown)

Is there a radon mitigation system for the building/structure? Y / (N) Date of Installation: _____
Is the system active or passive? Active/Passive

9. WATER AND SEWAGE

Water Supply:	(Public Water)	Drilled Well	Driven Well	Dug Well	Other: _____
Sewage Disposal:	(Public Sewer)	Septic Tank	Leach Field	Dry Well	Other: _____

10. RELOCATION INFORMATION (for oil spill residential emergency)

a. Provide reasons why relocation is recommended: _____

b. Residents choose to: remain in home relocate to friends/family relocate to hotel/motel

c. Responsibility for costs associated with reimbursement explained? Y / N

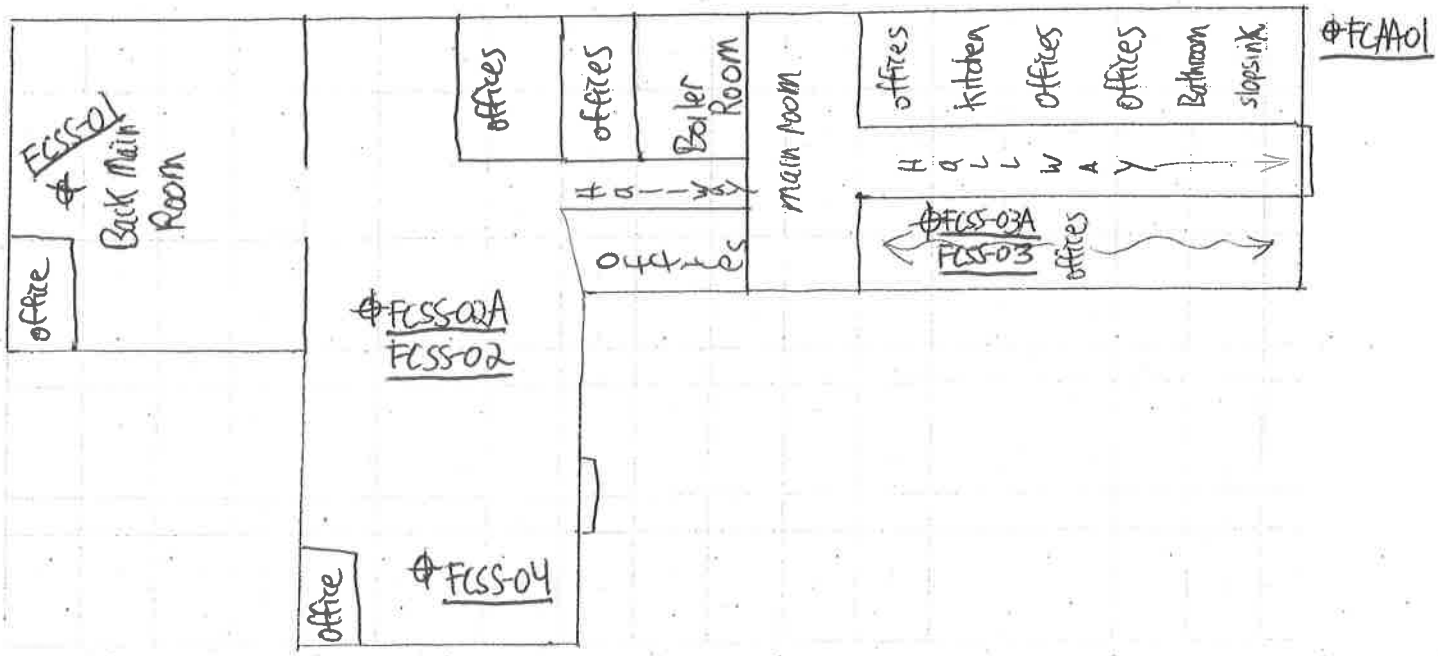
d. Relocation package provided and explained to residents? Y / N

11. FLOOR PLANS

Draw a plan view sketch of the basement and first floor of the building. Indicate air sampling locations, possible indoor air pollution sources and PID meter readings. If the building does not have a basement, please note.

~~Basement:~~

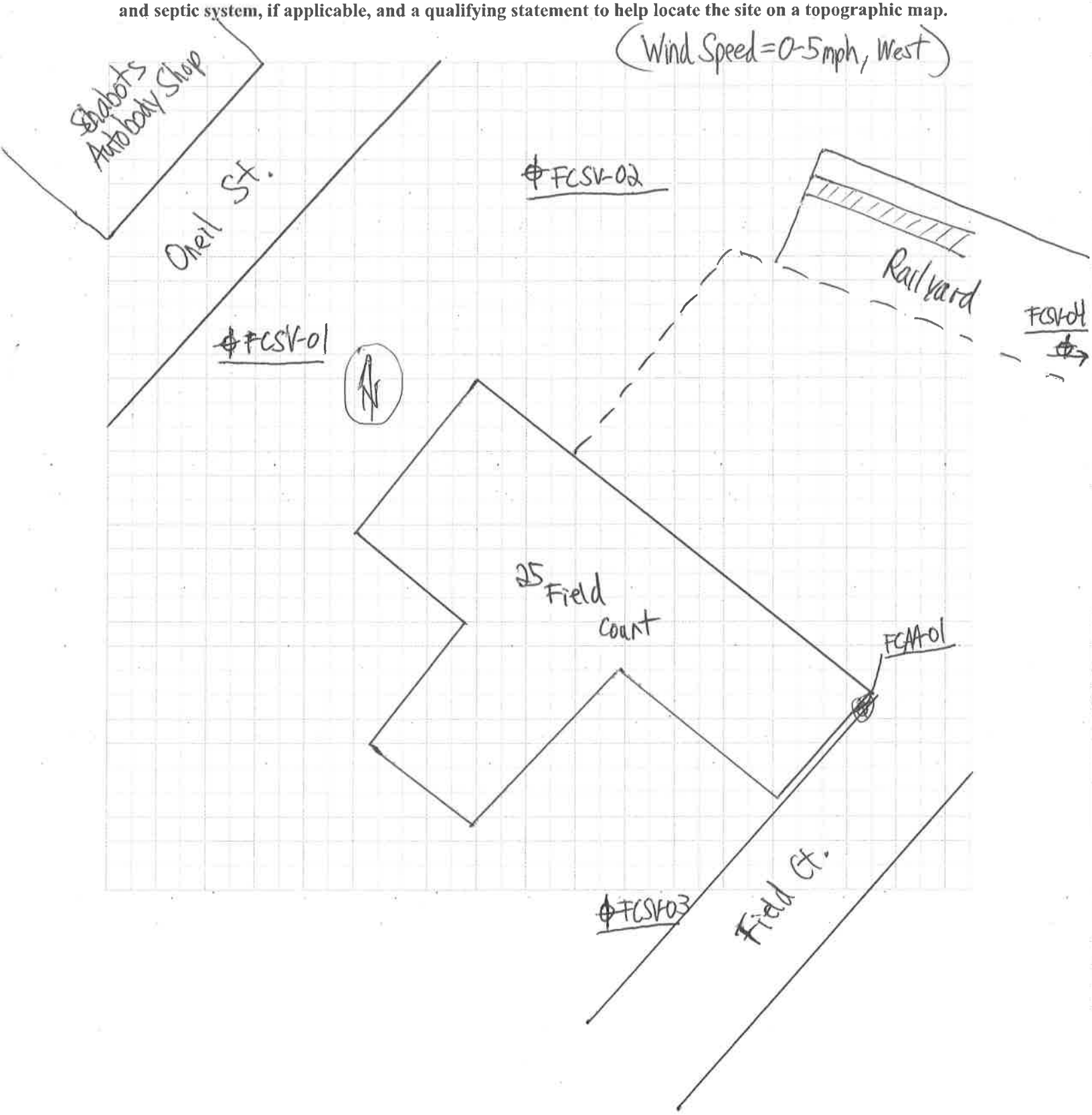
First Floor:



12. OUTDOOR PLOT

Draw a sketch of the area surrounding the building being sampled. If applicable, provide information on spill locations, potential air contamination sources (industries, gas stations, repair shops, landfills, etc.), outdoor air sampling location(s) and PID meter readings.

Also indicate compass direction, wind direction and speed during sampling, the locations of the well and septic system, if applicable, and a qualifying statement to help locate the site on a topographic map.



13. PRODUCT INVENTORY FORM

Make & Model of field instrument used: ppb RAE 2000 Plus

List specific products found in the residence that have the potential to affect indoor air quality.

Location	Product Description	Size (units)	Condition*	Chemical Ingredients	Field Instrument Reading (units)	Photo ** Y / N
Slopsink	Harvey Heat 100 Glycol Fluid	5gal.	U	Glycol	40 ppb	Y
	Rock salt	1 tr.	U	Rocksalt	29 ppb	Y
Boiler Room	RustOleum	1 qt.	U	N/A	15 ppb	Y
	Cabinet Coat Enamel	1 qt.	U	titanium dioxide, resins, prop. glycol, N-methyl pyrrolidone	12 ppb	Y
	Henry tile Adhesive	1 Gal.	U	hydrotreated naptheic distillate kaolin	13 ppb	Y
	Minwax fast-Polyurethane	1 Gal.	U	Aliphatic hydrocarbons amorphous silica	15 ppb	Y
	Turtlewax Bug tar Remover	12 oz.	U	Stoddard solvent, hydrotreated light distillate solvents, 2-butoxyethanol	10 ppb	Y
	Henry Corebase Adhesive	1 qt.	U	N/A	12 ppb	Y
	Sherwin Williams Paint	8 oz.	U	calcium carbonate, vynil polymer	13 ppb	Y
	Rustoleum Auto. Primer	12 oz.	U	Acetone, propane, n-butyl acetate, n-butane, xylenes, ethylbenzene	10 ppb	Y
	Bullseye Primer	1 Gal.	U	Acrylic polymer/copolymer, ethylene, Glycol, titanium dioxide	10 ppb	Y
Back main Room	Enterprise Latex Paint	5 Gal.	U	titanium dioxide, nepheline-syenite,	12 ppb	Y
	Badger Fire Extinguisher		U	monoammonium phosphate, d yes	10 ppb	Y

* Describe the condition of the product containers as **Unopened (UO), Used (U),** or **Deteriorated (D)**
** Photographs of the **front and back** of product containers can replace the handwritten list of chemical ingredients. However, the photographs must be of good quality and ingredient labels must be legible.

Date: 7/11/18

SAMPLE INFORMATION RECORD

Site: 25 Field Court **Sample Crew:** Paul Barusich

Sample Location/Well No. FCAA-01

Field Sample I.D. Number FCAA-01 **Time** 1405-1605

Weather Clear **Temperature** 75 F

Sample Type:

Groundwater _____ **Sediment** _____

Surface Water/Stream _____ **Outdoor Air** X

Soil _____ **Other (describe, i.e. water, septage, etc.)** _____

Well Information (fill out for groundwater samples)

Depth to Water _____ **Measurement Method** _____

Depth of Well _____ **Measurement Method** _____

Volume Removed _____ **Removal Method** _____

Field Test Results

Color _____ **pH** _____ **Odor** _____

Temperature (°F) _____ **Specific Conductance (umhos/cm)** _____

Other (OVA, Methane Meter, etc. _____

PID = 0.0ppb.

Constituents Sampled

VOCs via USEPA Method TO-15

Remarks:

Two hour outdoor ambient air sample.

Well Casing Volumes

GAL/FT	**1¼" = 0.077**	**2" = 0.16**	**3" = 0.37**	**4" = 0.65**
	1½ =0.10	**2½ " = 0.24**	**3½ = 0.50**	**6" = 1.46**

Date: 7/11/18

SAMPLE INFORMATION RECORD

Site: 25 Field Court **Sample Crew:** Paul Barusich

Sample Location/Well No. FCSS-02A

Field Sample I.D. Number FCSS-02A **Time** 1406-1606

Weather Clear **Temperature** 75 F

Sample Type:

Groundwater _____ **Sediment** _____

Surface Water/Stream _____ **Indoor Air** X

Soil _____ **Other (describe, i.e. water, septage, etc.)** _____

Well Information (fill out for groundwater samples)

Depth to Water _____ **Measurement Method** _____

Depth of Well _____ **Measurement Method** _____

Volume Removed _____ **Removal Method** _____

Field Test Results

Color _____ **pH** _____ **Odor** _____

Temperature (°F) _____ **Specific Conductance (umhos/cm)** _____

Other (OVA, Methane Meter, etc. _____

PID = 0.0ppb.

Constituents Sampled

VOCs via USEPA Method TO-15

Remarks:

Two hour indoor ambient air sample.

Well Casing Volumes

GAL/FT	**1¼" = 0.077**	**2" = 0.16**	**3" = 0.37**	**4" = 0.65**
	1½ =0.10	**2½ " = 0.24**	**3½ = 0.50**	**6" = 1.46**

Date: 7/11/18

SAMPLE INFORMATION RECORD

Site: 25 Field Court **Sample Crew:** Paul Barusich

Sample Location/Well No. FCSS-03A

Field Sample I.D. Number FCSS-03A **Time** 1403-1603

Weather Clear **Temperature** 75 F

Sample Type:

Groundwater _____ **Sediment** _____

Surface Water/Stream _____ **Indoor Air** X

Soil _____ **Other (describe, i.e. water, septage, etc.)** _____

Well Information (fill out for groundwater samples)

Depth to Water _____ **Measurement Method** _____

Depth of Well _____ **Measurement Method** _____

Volume Removed _____ **Removal Method** _____

Field Test Results

Color _____ **pH** _____ **Odor** _____

Temperature (°F) _____ **Specific Conductance (umhos/cm)** _____

Other (OVA, Methane Meter, etc. _____

PID = 0.0ppb.

Constituents Sampled

VOCs via USEPA Method TO-15

Remarks:

Two hour indoor ambient air sample.

Well Casing Volumes

GAL/FT	**1¼" = 0.077**	**2" = 0.16**	**3" = 0.37**	**4" = 0.65**
	1½ =0.10	**2½ " = 0.24**	**3½ = 0.50**	**6" = 1.46**

Date: 7/11/18

SAMPLE INFORMATION RECORD

Site: 25 Field Court **Sample Crew:** Paul Barusich

Sample Location/Well No. FCSS-01

Field Sample I.D. Number FCSS-01 **Time** 1409-1609

Weather Clear **Temperature** 75 F

Sample Type:

Groundwater _____ **Sediment** _____

Surface Water/Stream _____ **Sub-slab Soil Vapor** X

Soil _____ **Other (describe, i.e. water, septage, etc.)** _____

Well Information (fill out for groundwater samples)

Depth to Water _____ **Measurement Method** _____

Depth of Well _____ **Measurement Method** _____

Volume Removed _____ **Removal Method** _____

Field Test Results

Color _____ **pH** _____ **Odor** _____

Temperature (°F) _____ **Specific Conductance (umhos/cm)** _____

Other (OVA, Methane Meter, etc. _____

PID purge = 3.3ppb. Helium test = 1,200ppm.

Constituents Sampled

VOCs via USEPA Method TO-15

Remarks:

Two hour subslab vapor sample, collected 2 inches beneath slab.

Well Casing Volumes

GAL/FT	**1¼" = 0.077**	**2" = 0.16**	**3" = 0.37**	**4" = 0.65**
	1½ =0.10	**2½ " = 0.24**	**3½ = 0.50**	**6" = 1.46**

Date: 7/11/18

SAMPLE INFORMATION RECORD

Site: 25 Field Court **Sample Crew:** Paul Barusich

Sample Location/Well No. FCSS-02

Field Sample I.D. Number FCSS-02 **Time** 1408-1608

Weather Clear **Temperature** 75 F

Sample Type:

Groundwater _____ **Sediment** _____

Surface Water/Stream _____ **Sub-slab Soil Vapor** X

Soil _____ **Other (describe, i.e. water, septage, etc.)** _____

Well Information (fill out for groundwater samples)

Depth to Water _____ **Measurement Method** _____

Depth of Well _____ **Measurement Method** _____

Volume Removed _____ **Removal Method** _____

Field Test Results

Color _____ **pH** _____ **Odor** _____

Temperature (°F) _____ **Specific Conductance (umhos/cm)** _____

Other (OVA, Methane Meter, etc. _____

PID purge = 0.3ppb. Helium test = 1,700ppm.

Constituents Sampled

VOCs via USEPA Method TO-15

Remarks:

Two hour subslab vapor sample, collected 2 inches beneath slab.

Well Casing Volumes

GAL/FT	**1¼" = 0.077**	**2" = 0.16**	**3" = 0.37**	**4" = 0.65**
	1½ =0.10	**2½ " = 0.24**	**3½ = 0.50**	**6" = 1.46**

Date: 7/11/18

SAMPLE INFORMATION RECORD

Site: 25 Field Court **Sample Crew:** Paul Barusich

Sample Location/Well No. FCSS-03

Field Sample I.D. Number FCSS-03 **Time** 1400-1600

Weather Clear **Temperature** 75 F

Sample Type:

Groundwater _____ **Sediment** _____

Surface Water/Stream _____ **Sub-slab Soil Vapor** X

Soil _____ **Other (describe, i.e. water, septage, etc.)** _____

Well Information (fill out for groundwater samples)

Depth to Water _____ **Measurement Method** _____

Depth of Well _____ **Measurement Method** _____

Volume Removed _____ **Removal Method** _____

Field Test Results

Color _____ **pH** _____ **Odor** _____

Temperature (°F) _____ **Specific Conductance (umhos/cm)** _____

Other (OVA, Methane Meter, etc. _____

PID purge = 2.1ppb. Helium test = 25ppm.

Constituents Sampled

VOCs via USEPA Method TO-15

Remarks:

Two hour subslab vapor sample, collected 2 inches beneath slab.

Well Casing Volumes

GAL/FT	**1¼" = 0.077**	**2" = 0.16**	**3" = 0.37**	**4" = 0.65**
	1½ =0.10	**2½ " = 0.24**	**3½ = 0.50**	**6" = 1.46**

Date: 7/11/18

SAMPLE INFORMATION RECORD

Site: 25 Field Court **Sample Crew:** Paul Barusich

Sample Location/Well No. FCSS-04

Field Sample I.D. Number FCSS-04 **Time** 1407-1607

Weather Clear **Temperature** 75 F

Sample Type:

Groundwater _____ **Sediment** _____

Surface Water/Stream _____ **Sub-slab Soil Vapor** X

Soil _____ **Other (describe, i.e. water, septage, etc.)** _____

Well Information (fill out for groundwater samples)

Depth to Water _____ **Measurement Method** _____

Depth of Well _____ **Measurement Method** _____

Volume Removed _____ **Removal Method** _____

Field Test Results

Color _____ **pH** _____ **Odor** _____

Temperature (°F) _____ **Specific Conductance (umhos/cm)** _____

Other (OVA, Methane Meter, etc. _____

PID purge = 23ppb. Helium test = 199ppm.

Constituents Sampled

VOCs via USEPA Method TO-15

Remarks:

Two hour subslab vapor sample, collected 2 inches beneath slab.

Well Casing Volumes

GAL/FT	**1¼" = 0.077**	**2" = 0.16**	**3" = 0.37**	**4" = 0.65**
	1½ =0.10	**2½ " = 0.24**	**3½ = 0.50**	**6" = 1.46**

Date: 7/11/18

SAMPLE INFORMATION RECORD

Site: 25 Field Court **Sample Crew:** Paul Barusich

Sample Location/Well No. FCSV-01

Field Sample I.D. Number FCSV-01 **Time** 1613-1813

Weather Clear **Temperature** 75 F

Sample Type:

Groundwater _____ **Sediment** _____

Surface Water/Stream _____ **Soil Vapor** X

Soil _____ **Other (describe, i.e. water, septage, etc.)** _____

Well Information (fill out for groundwater samples)

Depth to Water _____ **Measurement Method** _____

Depth of Well _____ **Measurement Method** _____

Volume Removed _____ **Removal Method** _____

Field Test Results

Color _____ **pH** _____ **Odor** _____

Temperature (°F) _____ **Specific Conductance (umhos/cm)** _____

Other (OVA, Methane Meter, etc. _____

PID purge = 0.0ppb. Helium test = 120ppm.

Constituents Sampled

VOCs via USEPA Method TO-15

Remarks:

Two hour soil vapor sample, collected 10 feet below grade.

Well Casing Volumes

GAL/FT	**1¼" = 0.077**	**2" = 0.16**	**3" = 0.37**	**4" = 0.65**
	1½ =0.10	**2½ " = 0.24**	**3½ = 0.50**	**6" = 1.46**

Date: 7/11/18

SAMPLE INFORMATION RECORD

Site: 25 Field Court **Sample Crew:** Paul Barusich

Sample Location/Well No. FCSV-02

Field Sample I.D. Number FCSV-02 **Time** 1645-1845

Weather Clear **Temperature** 75 F

Sample Type:

Groundwater _____ **Sediment** _____

Surface Water/Stream _____ **Soil Vapor** X

Soil _____ **Other (describe, i.e. water, septage, etc.)** _____

Well Information (fill out for groundwater samples)

Depth to Water _____ **Measurement Method** _____

Depth of Well _____ **Measurement Method** _____

Volume Removed _____ **Removal Method** _____

Field Test Results

Color _____ **pH** _____ **Odor** _____

Temperature (°F) _____ **Specific Conductance (umhos/cm)** _____

Other (OVA, Methane Meter, etc. _____

PID purge = 0.0ppb. Helium test = 0.0ppm.

Constituents Sampled

VOCs via USEPA Method TO-15

Remarks:

Two hour soil vapor sample, collected 10 feet below grade.

Well Casing Volumes

GAL/FT	**1¼" = 0.077**	**2" = 0.16**	**3" = 0.37**	**4" = 0.65**
	1½ =0.10	**2½ " = 0.24**	**3½ = 0.50**	**6" = 1.46**

Date: 7/11/18

SAMPLE INFORMATION RECORD

Site: 25 Field Court **Sample Crew:** Paul Barusich

Sample Location/Well No. FCSV-03

Field Sample I.D. Number FCSV-03 **Time** 1512-1712

Weather Clear **Temperature** 75 F

Sample Type:

Groundwater _____ **Sediment** _____

Surface Water/Stream _____ **Soil Vapor** X

Soil _____ **Other (describe, i.e. water, septage, etc.)** _____

Well Information (fill out for groundwater samples)

Depth to Water _____ **Measurement Method** _____

Depth of Well _____ **Measurement Method** _____

Volume Removed _____ **Removal Method** _____

Field Test Results

Color _____ **pH** _____ **Odor** _____

Temperature (°F) _____ **Specific Conductance (umhos/cm)** _____

Other (OVA, Methane Meter, etc. _____

PID purge = 0.0ppb. Helium test = 250ppm.

Constituents Sampled

VOCs via USEPA Method TO-15

Remarks:

Two hour soil vapor sample, collected 10 feet below grade.

Well Casing Volumes

GAL/FT	**1¼" = 0.077**	**2" = 0.16**	**3" = 0.37**	**4" = 0.65**
	1½ =0.10	**2½ " = 0.24**	**3½ = 0.50**	**6" = 1.46**

Date: 7/11/18

SAMPLE INFORMATION RECORD

Site: 25 Field Court **Sample Crew:** Paul Barusich

Sample Location/Well No. FCSV-04

Field Sample I.D. Number FCSV-04 **Time** 1715-1915

Weather Clear **Temperature** 75 F

Sample Type:

Groundwater _____ **Sediment** _____

Surface Water/Stream _____ **Soil Vapor** X

Soil _____ **Other (describe, i.e. water, septage, etc.)** _____

Well Information (fill out for groundwater samples)

Depth to Water _____ **Measurement Method** _____

Depth of Well _____ **Measurement Method** _____

Volume Removed _____ **Removal Method** _____

Field Test Results

Color _____ **pH** _____ **Odor** _____

Temperature (°F) _____ **Specific Conductance (umhos/cm)** _____

Other (OVA, Methane Meter, etc. _____

PID purge = 0.0ppb. Helium test = 0.0ppm.

Constituents Sampled

VOCs via USEPA Method TO-15

Remarks:

Two hour soil vapor sample, collected 10 feet below grade.

Well Casing Volumes

GAL/FT	**1¼" = 0.077**	**2" = 0.16**	**3" = 0.37**	**4" = 0.65**
	1½ =0.10	**2½ " = 0.24**	**3½ = 0.50**	**6" = 1.46**

D&B ENGINEERS AND ARCHITECTS, P.C.	**Project No.:** 3150-39 **Project Name:** 25 Field Court, Kingston, New York Site Characterization	**Boring No.:** DWSS-01 **Sheet** 1 **of** 1 **By:** Stephanie Rosenberg
Drilling Contractor: Aztech **Drill Rig:** Geoprobe 3230 DT **Date Started:** 07/12/18	**Geologist:** Paul Barusich **Drilling Method:** Macrocore **Drive Hammer Weight:** N/A **Date Completed:** 07/12/18	**Boring Completion Depth:** 10' **Ground Surface Elevation:** 183.8' **Boring Diameter:** 2"

Depth (ft.)	No.	Type	Rec.	PID Per 6" (ppm)	Sample Description
0'-5'	1	MC	24"	0.0	0'-1.5': Void space within dry well. 1.5'-3.5': Dark brown fine-medium subangular SAND, trace SILT and organic matter, fill, and trash. Poorly sorted, loose, moist, no staining, no odors. 3.5'-5': No recovery.
5-10'	2	MC	24"	0.0	5'-7': Dark brown-brown fine to coarse subangular SAND, trace fine sub-rounded GRAVEL. Moderately sorted, loose, moist, no staining, no odors. 7'-10': No recovery.

Sample Types:
MC = Macrocore

NOTES:
Soil from 5'-6' below grade collected for grab sample DWSS-01 (5' – 6'). Sample submitted for analysis of VOCs, and SVOCs.

D&B ENGINEERS AND ARCHITECTS, P.C.	**Project No.:** 3150-39 **Project Name:** 25 Field Court, Kingston, New York Site Characterization	**Boring No.:** DWSS-03 **Sheet** 1 **of** 1 **By:** Stephanie Rosenberg
Drilling Contractor: Aztech **Drill Rig:** Geoprobe 3230 DT **Date Started:** 07/12/18	**Geologist:** Paul Barusich **Drilling Method:** Macrocore **Drive Hammer Weight:** N/A **Date Completed:** 07/12/18	**Boring Completion Depth:** 10' **Ground Surface Elevation:** 183.7' **Boring Diameter:** 2"

Depth (ft.)	No.	Type	Rec.	PID Per 6" (ppm)	Sample Description
0'-5'	1	MC	30"	0.0	0'-2.5': Sediment present at surface of dry well grate. Dark brown fine-medium subangular SAND, trace SILT and organic matter, fill, and debris. Poorly sorted, loose, moist, no staining, no odors. 2.5'-5': No recovery.
5-10'	2	MC	24"	0.0	5'-7': Dark brown-brown fine to coarse subangular SAND, trace fine sub-rounded GRAVEL. Moderately sorted, loose, moist, no staining, no odors. 7'-10': No recovery.

Sample Types:
MC = Macrocore

NOTES:
Soil from 1.5'-2.5' below grade collected for grab sample DWSS-03 (1.5' – 2.5'). Sample submitted for analysis of VOCs, SVOCs, metals, mercury, cyanide, pesticides, and PCBs.

D&B ENGINEERS AND ARCHITECTS, P.C.	**Project No.:** 3150-39 **Project Name:** 25 Field Court, Kingston, New York Site Characterization	**Boring No.:** DWSS-04 **Sheet** 1 **of** 1 **By:** Stephanie Rosenberg
Drilling Contractor: Aztech **Drill Rig:** Geoprobe 3230 DT **Date Started:** 07/12/18	**Geologist:** Paul Barusich **Drilling Method:** Macrocore **Drive Hammer Weight:** N/A **Date Completed:** 07/12/18	**Boring Completion Depth:** 10' **Ground Surface Elevation:** 184.1' **Boring Diameter:** 2"

Depth (ft.)	No.	Type	Rec.	PID Per 6" (ppm)	Sample Description
0'-3'	--	--	--	--	0'-3': Void space within dry well.
3'-8'	1	MC	24"	0.0	3'-5': Gray-brown fine-coarse subangular GRAVEL and fine-medium subangular SAND, trace organic matter. Moderately sorted, loose, moist, no staining, no odors. 5'-8': No recovery.
8-13'	2	MC	24"	0.0	5'-7': Gray-brown fine-coarse subangular GRAVEL and fine-medium subangular SAND, trace organic matter. Moderately sorted, loose, moist, no staining, no odors. 10'-13': No recovery.

Sample Types:
MC = Macrocore

NOTES:
Soil from 9'-10' below grade collected for grab sample DWSS-04 (9' – 10'). Sample submitted for analysis of VOCs, and SVOCs.

D&B ENGINEERS AND ARCHITECTS, P.C.	**Project No.:** 3150-39 **Project Name:** 25 Field Court, Kingston, New York Site Characterization	**Boring No.:** FCSB-01 **Sheet** 1 **of** 1 **By:** Stephanie Rosenberg
Drilling Contractor: Aztech **Drill Rig:** Geoprobe 3230 DT **Date Started:** 07/13/18	**Geologist:** Paul Barusich **Drilling Method:** Macrocore **Drive Hammer Weight:** N/A **Date Completed:** 07/13/18	**Boring Completion Depth:** 30' **Ground Surface Elevation:** 184.0' **Boring Diameter:** 2"

Depth (ft.)	No.	Type	Rec.	PID Per 6" (ppm)	Sample Description
0'-5'	1	HC	60"	0.0	0'-4": Asphalt 4"-2': Dark brown fine to medium subangular SAND with fine to medium subangular GRAVEL. Poorly sorted, loose, moist, no staining, no odors. 2'-3': Dark brown fine to medium subangular SAND with fine to medium subangular GRAVEL and ash. Poorly sorted, loose, moist, no staining, no odors. 3'-5': Brown fine to medium subangular SAND, trace SILT, trace fine sub-rounded GRAVEL. Poorly sorted, loose, moist, no staining, no odors.
5'-10'	2	MC	24"	0.0	5'-7': Brown fine to coarse subangular SAND, trace fine sub-rounded GRAVEL, trace SILT. Moderately sorted, loose, moist, no staining, no odors. 7'-10': No recovery.
10'-15'	3	MC	36"	0.0	10'-13': Brown fine to medium subangular SAND, trace SILT, trace fine sub-rounded GRAVEL. Well sorted, loose, moist, no staining, no odors. 13'-15': No recovery.
15'-20'	4	MC	36"	0.0	15'-18': Brown fine to coarse subangular SAND. Well sorted, loose, moist, no staining, no odors. Depth to water 18'. 18'-20: No recovery.
20'-25'	5	MC	39"	0.0	20'-22': Brown fine to coarse subangular SAND. Well sorted, loose, wet, no staining, no odors. 22'-23.25': Brown medium to coarse subangular SAND. Moderately sorted, loose, wet, no staining, no odors. 23.25'-25': No recovery.
25'-30'	6	MC	15"	0.0	25'-26.25': Brown medium to coarse subangular SAND. Moderately sorted, loose, wet, no staining, no odors. 26.25'-30': No recovery.

Sample Types:
HC = Hand cleared
MC = Macrocore

NOTES:
Soil from 4"-10" below grade collected for grab sample FCSB-01 (4"-10"). Sample submitted for analysis of VOCs, and SVOCs. Soil from 16'-18' collected for grab sample FCSB-01 (16'-18'). Sample submitted for analysis of VOCs, and SVOCs.

Monitoring well FCMW-01 installed and sampled at screen interval 16.0'-26.0'.

D&B ENGINEERS AND ARCHITECTS, P.C.	**Project No.:** 3150-39 **Project Name:** 25 Field Court, Kingston, New York Site Characterization	**Boring No.:** FCSB-02 **Sheet** 1 **of** 1 **By:** Stephanie Rosenberg
Drilling Contractor: Aztech **Drill Rig:** Geoprobe 3230 DT **Date Started:** 07/13/18	**Geologist:** Paul Barusich **Drilling Method:** Macrocore **Drive Hammer Weight:** N/A **Date Completed:** 07/13/18	**Boring Completion Depth:** 25' **Ground Surface Elevation:** 184.4' **Boring Diameter:** 2"

Depth (ft.)	No.	Type	Rec.	PID Per 6" (ppm)	Sample Description
0'-5'	1	HC	60"	0.0	0'-3": Asphalt. 3"-8": Rounded gravel. 8"-3': Brown fine to medium subangular SAND with fine sub-rounded GRAVEL. Moderately sorted, loose, moist, no staining, no odors. 3'-5': Brown fine to medium subangular SAND, trace fine sub-rounded GRAVEL. Moderately sorted, loose, moist, no staining, no odors.
5'-10'	2	MC	42"	0.0	5'-8.5': Brown fine to medium subangular SAND, some fine to medium sub-rounded GRAVEL. Poorly sorted, loose, moist, no staining, no odors. 8.5'-10': No recovery.
10'-15'	3	MC	45"	0.0	10'-11': Brown fine to medium subangular SAND, some fine to medium sub-rounded GRAVEL. Poorly sorted, loose, moist, no staining, no odors. 11'-13.75': Brown fine to coarse subangular SAND, trace fine sub-rounded GRAVEL. Moderately sorted, loose, moist, no staining, no odors. 13.75'-15': No recovery.
15'-20'	4	MC	30"	0.0	15'-16': Light brown fine to coarse subangular SAND, trace SILT. Well sorted, loose, moist, no staining, no odors. 16'-17.5': Light brown fine to coarse subangular SAND. Well sorted, loose, moist, no staining, no odors. Depth to water 17.5'. 17.5'-20: No recovery.
20'-25'	5	MC	24"	0.0	20'-22': Light brown fine to coarse subangular SAND, trace SILT. Moderately sorted, loose, wet. No staining, no odors. 22'-25': No recovery.

Sample Types:
HC = Hand cleared
MC = Macrocore

NOTES:
Soil from 8"-14" below grade collected for grab sample FCSB-02 (8"-14"). Sample submitted for analysis of VOCs, and SVOCs. Soil from 15.5'-17.5' collected for grab sample FCSB-02 (15.5'-17.5'). Sample submitted for analysis of VOCs, and SVOCs.

Monitoring well FCMW-02 installed and sampled at screen interval 16'-26'.

D&B ENGINEERS AND ARCHITECTS, P.C.	**Project No.:** 3150-39 **Project Name:** 25 Field Court, Kingston, New York Site Characterization	**Boring No.:** FCSB-03 **Sheet** 1 **of** 2 **By:** Stephanie Rosenberg
Drilling Contractor: Aztech **Drill Rig:** Geoprobe 3230 DT **Date Started:** 07/16/18	**Geologist:** Stephanie Rosenberg **Drilling Method:** Macrocore **Drive Hammer Weight:** N/A **Date Completed:** 07/16/18	**Boring Completion Depth:** 30' **Ground Surface Elevation:** 184.6' **Boring Diameter:** 2"

Depth (ft.)	No.	Type	Rec.	PID Per 6" (ppm)	Sample Description
0'-5'	1	HC	60"	0.0	0'-1.5': Brown, fine to medium SAND with fine to coarse subangular GRAVEL, some stone fragments, trace organics. Poorly sorted, loose, dry, no staining, no odors. 1.5'-2.75': Brown fine SAND with fine to coarse subangular GRAVEL, trace organics. Poorly sorted, loose, dry, no staining, no odors. 2.75'-5': Brown fine to medium SAND with trace organics, trace fine to coarse subangular GRAVEL. Glass debris at 3.75'. Poorly sorted, loose, dry, no staining, no odors.
5'-10'	2	MC	42"	0.0	5'-6': Dark brown fine to medium SAND, some fine to coarse subangular GRAVEL, trace SILT, trace organics. Poorly sorted, loose, moist, no staining, no odors. 6'-8.5': Brown fine to coarse subangular SAND, some fine to medium subangular GRAVEL. Poorly sorted, loose, moist, no staining, no odors. 8.5'-10: No recovery.
10'-15'	3	MC	60"	0.0, 0.0 0.0, 0.1 0.0, 0.0 0.0, 0.2 0.0, 0.0	10'-13': Brown fine to medium SAND, some fine to coarse subangular GRAVEL, trace SILT. Poorly sorted, loose, moist, no staining, no odors. 13'-15': Brown medium to coarse subangular SAND, some fine to medium sub-rounded GRAVEL, trace SILT. Poorly sorted, loose, moist, no staining, no odors.
15'-20'	4	MC	48"	0.0, 0.0 0.0, 0.0 0.0, 0.0 0.4, 0.0	15'-16': Brown fine to medium SAND, some fine to coarse subangular GRAVEL, trace SILT. Poorly sorted, loose, moist, no staining, no odors. 16'-19': Brown medium to coarse SAND, trace fine to medium subangular GRAVEL. Poorly sorted, loose, moist, no staining, no odors. Groundwater at 18.5'. 19'-20': No recovery.
20'-25'	5	MC	42"	0.0, 0.5 0.0 0.1, 0.3 0.0, 0.0	20'-21'10": Brown fine to coarse subangular SAND, trace fine to medium subangular GRAVEL. Poorly sorted, loose, wet, no staining, no odors. 21'10"-23.5': Brown fine to medium SAND, trace SILT. Poorly sorted, loose, wet, no staining, no odors. 23.5'-25': No recovery.

Sample Types:
HC = Hand cleared
MC = Macrocore

NOTES:
Soil from 0'-0.5' below grade collected for grab sample FCSB-03 (0' – 0.5'). Sample submitted for analysis of VOCs, and SVOCs. Soil from 17'-19' below grade collected for grab sample FCSB-03 (17'-19'). Sample submitted for analysis of VOCs, and SVOCs.

Monitoring well FCMW-03 installed at boring location and sampled at screen interval 16'-26'

D&B Engineers and Architects, P.C.	**Project No.:** 3150 **Project Name:** 25 Field Court, Kingston, New York Site Characterization	**Boring No.:** FCSB-03 **Sheet** 2 **of** 2 **By:** Stephanie Rosenberg
Drilling Contractor: Aztech **Drill Rig:** Geoprobe 3230 DT **Date Started:** 07/16/18	**Geologist:** Stephanie Rosenberg **Drilling Method:** Macrocore **Drive Hammer Weight:** N/A **Date Completed:** 07/16/18	**Boring Completion Depth:** 30' **Ground Surface Elevation:** 184.6' **Boring Diameter:** 2"

Depth (ft.)	No.	Type	Rec.	PID Per 6" (ppm)	Sample Description
25'-30'	6	MC	46"	0.0, 0.1 0.1, 0.1 0.3, 0.2 0.0	25'-28'10": Brown fine to medium SAND, trace SILT. Poorly sorted, moderately packed, wet, no staining, no odors. 28'10"-30': No recovery.

Sample Types:
HC = Hand cleared
MC = Macrocore

NOTES:
Soil from 0'-0.5' below grade collected for grab sample FCSB-03 (0' – 0.5'). Sample submitted for analysis of VOCs, and SVOCs. Soil from 17'-19' below grade collected for grab sample FCSB-03 (17'-19'). Sample submitted for analysis of VOCs, and SVOCs.

Monitoring well FCMW-03 installed at boring location and sampled at screen interval 16.0'-26.0'

D&B ENGINEERS AND ARCHITECTS, P.C.	**Project No.:** 3150-39 **Project Name:** 25 Field Court, Kingston, New York Site Characterization	**Boring No.:** FCSB-04 **Sheet** 1 **of** 4 **By:** Stephanie Rosenberg
Drilling Contractor: Aztech **Drill Rig:** Geoprobe 3230 DT **Date Started:** 07/20/18	**Geologist:** Stephanie Rosenberg **Drilling Method:** Macrocore **Drive Hammer Weight:** N/A **Date Completed:** 07/24/18	**Boring Completion Depth:** 65' **Ground Surface Elevation:** 183.6' **Boring Diameter:** 2"

Depth (ft.)	No.	Type	Rec.	PID Per 6" (ppm)	Sample Description
0'-5'	1	HC	60"	0.2, 1.5	0'-1': Dark brown fine to medium SAND, with fine to coarse subangular GRAVEL, trace SILT. Moderately sorted, loose, dry, no staining, no odors.
				0.3, 0.4 0.5, 1.0	1'-3': Dark brown fine to medium SAND, some fine to coarse subangular GRAVEL, trace SILT. Moderately sorted, loose, dry, no staining, no odors.
				1.5, 1.0	3'-4': Brown fine to medium SAND, some fine to coarse subangular GRAVEL, trace SILT. Moderately sorted, loose, dry, no staining, no odors.
				0.6, 0.5	4'-5': Brown fine to medium SAND, trace fine to medium subangular GRAVEL, trace SILT. Moderately sorted, loose, dry, no staining, no odors.
5-10'	2	MC	24"	0.5, 0.5 0.7, 0.4	5'-7': Brown fine to coarse subangular SAND, trace fine to medium subangular GRAVEL. Poorly sorted, loose, dry, no staining, no odors.
					7'-10': No recovery.
10'-15'	3	MC	32"	0.9, 1.0	10'-11': Brown fine to medium SAND, trace fine subangular GRAVEL, trace SILT. Poorly sorted, loose, dry, no staining, no odors.
					11'-11.3': Brown fine to medium SAND, some fine to medium subangular GRAVEL, trace SILT. Glass fragments at 11'. Well sorted, loose, dry, no staining, no odors.
				0.6, 0.4	11.3'-12': Brown fine to medium SAND. Poorly sorted, loose, dry, no staining, no odors.
				0.3	12'-12.6': Brown fine SILTY SAND. Poorly sorted, moderately packed, dry, no staining, no odors.
					12.6'-15': No recovery.

Sample Types:
HC = Hand cleared
MC = Macrocore

NOTES:
Soil from 0'-0.5' below grade collected for grab sample FCSB-04 (0' – 0.5'). Sample submitted for analysis of VOCs, SVOCs, metals, mercury, cyanide, pesticides, and PCBs. Soil from 17.5'-19.5' collected for grab sample FCSB-04 (17.5'-19.5'). Sample submitted for analysis of VOCs, SVOCs, metals, mercury, cyanide, pesticides, and PCBs.

Discrete temporary groundwater probe FCGP-07 installed and sampled at depth intervals below grade: 36'-40', 46'-50', 56'-60', and 66'-70'. Monitoring well FCMW-04 installed and sampled at screen interval 16'-26'.

D&B Engineers and Architects, P.C.	**Project No.:** 3150 **Project Name:** 25 Field Court, Kingston, New York Site Characterization	**Boring No.:** FCSB-04 **Sheet** 2 **of** 4 **By:** Stephanie Rosenberg
Drilling Contractor: Aztech **Drill Rig:** Geoprobe 3230 DT **Date Started:** 07/20/18	**Geologist:** Stephanie Rosenberg **Drilling Method:** Macrocore **Drive Hammer Weight:** N/A **Date Completed:** 07/24/18	**Boring Completion Depth:** 65' **Ground Surface Elevation:** 183.6' **Boring Diameter:** 2"

Depth (ft.)	No.	Type	Rec.	PID Per 6" (ppm)	Sample Description
15-20'	4	MC	54"	0.6 0.5 0.3, 0.3, 0.6 0.3, 0.6 0.5, 0.4	15'-15.5': Brown fine SAND with SILT. Poorly sorted, loose, dry, no staining, no odors. 15.5'-16'2": Brown fine to medium SAND, trace fine subangular GRAVEL, trace SILT. Poorly sorted, loose, dry, no staining, no odors. 16'2"-16.5': Brown fine to medium SAND, with fine to coarse subangular GRAVEL, trace SILT. Glass fragments at 16'4". Poorly sorted, loose, dry, no staining, no odors. 16.5'-19.5': Brown fine to coarse subangular SAND, trace fine subangular GRAVEL. Poorly sorted, loose, moist, no staining, no odors. Depth to water at 19.5'. 19.5'-20': No recovery.
20'-25'	5	MC	60"	1.0, 0.6 0.8, 1.0 0.9, 0.8 0.9, 0.8 0.4, 0.6	20'-21.5': Brown fine to medium SAND, some SILT, trace fine subangular GRAVEL. Poorly sorted, loose, wet, no staining, no odors. 21.5'-23.5': Brown fine to coarse subangular SAND, trace fine subangular GRAVEL. Poorly sorted, loose, wet, no staining, no odors. 23.5'-25': Brown fine to medium SAND, trace SILT. Poorly sorted, loose, wet, no staining, no odors.
25'-30'	6	MC	30"	0.3, 0.6 0.4, 0.3 0.3	25'-27.5': Brown fine to coarse subangular SAND, trace SILT, trace fine subangular GRAVEL. Poorly sorted, loose, wet, no staining, no odors. 27.5'-30': No recovery.
30'-35'	7	MC	45"	0.3, 0.3 0.3, 0.3 0.3, 0.3 0.3	30'-33.75': Brown fine to coarse subangular SAND, trace fine subangular GRAVEL. Poorly sorted, loose, wet, no staining, no odors. 33.75'-35': No recovery.

Sample Types:
HC = Hand cleared
MC = Macrocore

NOTES:
Soil from 0'-0.5' below grade collected for grab sample FCSB-04 (0' – 0.5'). Sample submitted for analysis of VOCs, SVOCs, metals, mercury, cyanide, pesticides, and PCBs. Soil from 17.5'-19.5' collected for grab sample FCSB-04 (17.5'-19.5'). Sample submitted for analysis of VOCs, SVOCs, metals, mercury, cyanide, pesticides, and PCBs.

Discrete temporary groundwater probe FCGP-07 installed and sampled at depth intervals below grade: 36'-40', 46'-50', 56'-60', and 66'-70'. Monitoring well FCMW-04 installed and sampled at screen interval 16'-26'.

D&B Engineers and Architects, P.C.	**Project No.:** 3150 **Project Name:** 25 Field Court, Kingston, New York Site Characterization	**Boring No.:** FCSB-04 **Sheet** 3 **of** 4 **By:** Stephanie Rosenberg
Drilling Contractor: Aztech **Drill Rig:** Geoprobe 3230 DT **Date Started:** 07/20/18	**Geologist:** Stephanie Rosenberg **Drilling Method:** Macrocore **Drive Hammer Weight:** N/A **Date Completed:** 07/24/18	**Boring Completion Depth:** 65' **Ground Surface Elevation:** 183.6' **Boring Diameter:** 2"

Depth (ft.)	No.	Type	Rec.	PID Per 6" (ppm)	Sample Description
35-40'	7	MC	60"	0.0	35'-40': Brown fine SAND, trace SILT. Poorly sorted, densely packed, wet, no staining, no odors.
40'-45'	8	MC	60"	0.2, 0.2 0.3, 0.2 0.2, 0.2 0.2 0.2, 0.3 0.2	40'-43': Brown fine SAND, some SILT. Poorly sorted, densely packed, wet, no staining, no odors. 43'-43.5': Brown fine SAND, some SILT, trace medium subangular GRAVEL. Poorly sorted, densely packed, wet, no staining, no odors. 43.5'-45': Brown fine to medium SAND, trace SILT. Poorly sorted, densely packed, wet, no staining, no odors.
45'-50'	9	MC	60"	0.0	45'-49.5': Brown fine SAND, trace SILT. Poorly sorted, densely packed, wet, no staining, no odors. 49.5'-50': Brown SILTY SAND. Poorly sorted, densely packed, wet, no staining, no odors.

Sample Types:
HC = Hand cleared
MC = Macrocore

NOTES:
Soil from 0'-0.5' below grade collected for grab sample FCSB-04 (0' – 0.5'). Sample submitted for analysis of VOCs, SVOCs, metals, mercury, cyanide, pesticides, and PCBs. Soil from 17.5'-19.5' collected for grab sample FCSB-04 (17.5'-19.5'). Sample submitted for analysis of VOCs, SVOCs, metals, mercury, cyanide, pesticides, and PCBs.

Discrete temporary groundwater probe FCGP-07 installed and sampled at depth intervals below grade: 36'-40', 46'-50', 56'-60', and 66'-70'. Monitoring well FCMW-04 installed and sampled at screen interval 16'-26'.

D&B ENGINEERS AND ARCHITECTS, P.C.	**Project No.:** 3150 **Project Name:** 25 Field Court, Kingston, New York Site Characterization	**Boring No.:** FCSB-04 **Sheet** 4 **of** 4 **By:** Stephanie Rosenberg
Drilling Contractor: Aztech **Drill Rig:** Geoprobe 3230 DT **Date Started:** 07/20/18	**Geologist:** Stephanie Rosenberg **Drilling Method:** Macrocore **Drive Hammer Weight:** N/A **Date Completed:** 07/24/18	**Boring Completion Depth:** 65' **Ground Surface Elevation:** 183.6' **Boring Diameter:** 2"

Depth (ft.)	No.	Type	Rec.	PID Per 6" (ppm)	Sample Description
50'-55'	10	MC		0.1	50'-50.3': Brown fine SAND, some brown CLAY. Poorly sorted, densely packed, wet, no staining, no odors.
					50.3'-50.5': Lost recovery.
				0.3, 0.2 0.0	50.5'-52.3': Brown fine to medium SAND, trace SILT. Few 0.25" clay lenses. Well sorted, densely packed, wet, no staining, no odors.
					52.3'-52.5': Lost recovery.
				0.0	52.5'-52.6': Brown dense CLAY, trace fine SAND. Poorly sorted, wet, no staining, no odors.
				0.0	52.6'-53.3': Brown fine to medium SAND, trace SILT. Poorly sorted, loose, wet, no staining, no odors.
					53.3'-53.75': Lost recovery.
				0.0, 0.0 0.0, 0.0	53.75'-55': Brown fine SILTY SAND with few 0.25" dense clay lenses. Well sorted, densely packed, wet, no staining, no odors.
55-60'	11	MC	60"	0.0	55'-55'2": Brown SANDY CLAY. Well sorted, densely packed, wet, no staining, no odors.
					55'2"-60': Brown fine SAND, some SILT. Poorly sorted, densely packed, wet, no staining, no odors.
60'-65'	12	MC	36"	0.0	60'-62.6': Brown fine to medium SAND. 0.25" clay lens at 60.5'. Well sorted, loose, wet. No staining, no odors.
					62.6'-63': Grayish-brown SILT, some fine SAND, trace CLAY. Poorly sorted, densely packed, wet. No staining, no odors.
					63'-65': No recovery.
65'-70'	13	MC	0"	-	65'-70': No recovery.

Sample Types:
HC = Hand cleared
MC = Macrocore

NOTES:
Soil from 0'-0.5' below grade collected for grab sample FCSB-04 (0' – 0.5'). Sample submitted for analysis of VOCs, SVOCs, metals, mercury, cyanide, pesticides, and PCBs. Soil from 17.5'-19.5' collected for grab sample FCSB-04 (17.5'-19.5'). Sample submitted for analysis of VOCs, SVOCs, metals, mercury, cyanide, pesticides, and PCBs.

Discrete temporary groundwater probe FCGP-07 installed and sampled at depth intervals below grade: 36'-40', 46'-50', 56'-60', and 66'-70'. Monitoring well FCMW-04 installed and sampled at screen interval 16'-26'.

D&B ENGINEERS AND ARCHITECTS, P.C.	**Project No.:** 3150-39 **Project Name:** 25 Field Court, Kingston, New York Site Characterization	**Boring No.:** FCSB-05 **Sheet** 1 **of** 2 **By:** Stephanie Rosenberg
Drilling Contractor: Aztech **Drill Rig:** Geoprobe 3230 DT **Date Started:** 07/19/18	**Geologist:** Stephanie Rosenberg **Drilling Method:** Macrocore **Drive Hammer Weight:** N/A **Date Completed:** 07/19/18	**Boring Completion Depth:** 30' **Ground Surface Elevation:** 182.4' **Boring Diameter:** 2"

Depth (ft.)	No.	Type	Rec.	PID Per 6" (ppm)	Sample Description
0'-5.5'	1	HC	66"	3.5, 0.0 0.0	0'-1.5': Brown, fine to coarse subangular SAND with fine to coarse subangular medium SAND with fine to coarse subangular GRAVEL, some gray crushed stone fragments, trace SILT. Poorly sorted, loose, dry, asphalt stains, no odors.
				0.0, 0.0 0.0	1.5'-3.5': Brown, fine to coarse subangular SAND, some fine medium subangular GRAVEL, trace SILT. Poorly sorted, loose, dry, no staining, no odors.
				0.0, 0.0 0.0, 0.0	3.5'-5.5': Brown fine to coarse subangular SAND, trace fine subangular GRAVEL. Poorly sorted, loose, dry, no staining, no odors.
5.5'-10'	2	MC	22"	0.2	5.5'-5.75': Brown fine to coarse subangular SAND, some fine to medium subangular GRAVEL. Poorly sorted, loose, dry, no staining, no odors.
				0.0	5.75'-6'10": Brown fine to medium subangular SAND, trace fine subangular GRAVEL. Poorly sorted, loose, dry, no staining, no odors.
					6'10"-10': No recovery.
10'-15'	3	MC	42"	0.3, 18.7	10'-11': Brown fine to medium SAND, some SILT. Poorly sorted, loose, dry, no staining, no odors.
				2.0, 2.4	11'-12': Brown fine to coarse subangular SAND, trace fine subangular GRAVEL. Asphalt at 11'3". Moderately sorted, loose, dry, no staining, no odors.
				1.5	12'-12.5': Brown fine SAND, some SILT. Poorly sorted, densely packed, dry, no staining, no odors.
				0.9, 0.0	12.5'-13.5': Brown fine to medium SAND, trace fine subangular GRAVEL. Poorly sorted, loose, dry, no staining, no odors.
					13.5'-15': No recovery.

Sample Types:
HC = Hand cleared
MC = Macrocore

NOTES:
Soil from 1'-1.5' below grade collected for grab sample FCSB-05 (1' – 1.5'). Sample submitted for analysis of VOCs, and SVOCs. Soil from 15.5'-17' where slight stains and odor observed collected for grab sample FCSB-05 (15.5'-17'). Sample submitted for analysis of VOCs, SVOCs, metals, mercury, cyanide, pesticides, and PCBs. Soil from 17.5'-19.5' collected for grab sample FCSB-05 (17.5'-19.5'). Sample submitted for analysis of VOCs, and SVOCs.

Monitoring well FCMW-05 installed and sampled at screen interval 15.5'-25.5'.

D&B Engineers and Architects, P.C.	**Project No.:** 3150 **Project Name:** 25 Field Court, Kingston, New York Site Characterization	**Boring No.:** FCSB-05 **Sheet** 2 **of** 2 **By:** Stephanie Rosenberg
Drilling Contractor: Aztech **Drill Rig:** Geoprobe 3230 DT **Date Started:** 07/19/18	**Geologist:** Stephanie Rosenberg **Drilling Method:** Macrocore **Drive Hammer Weight:** N/A **Date Completed:** 07/19/18	**Boring Completion Depth:** 30' **Ground Surface Elevation:** 182.4' **Boring Diameter:** 2"

Depth (ft.)	No.	Type	Rec.	PID Per 6" (ppm)	Sample Description
15'-20'	4	MC	54"	2.3 4.4, 4.7 0.0 0.4, 1.7 2.8, 0.0 0.0	15'-15.5': Brown fine to medium SAND, trace fine subangular GRAVEL, trace SILT. Poorly sorted, loose, moist, no staining, no odors. 15.5'-17': Brown fine to coarse subangular SAND, trace fine subangular GRAVEL. Poorly sorted, loose, moist. Slight dark stains, slight petrol odor at 16'. 17'-19.5': Brown fine to coarse subangular SAND with some fine subangular GRAVEL. Poorly sorted, loose, moist above 19', no staining, no odors. Depth to water 19'. 19.5'-20: No recovery.
20'-25'	5	MC	24"	0.1, 0.0 0.0, 0.2	20'-21': Brown fine to medium SAND, some fine subangular GRAVEL. Poorly sorted, loose, wet, no staining, no odors. 21'-22': Brown medium to coarse subangular SAND, with fine to medium subangular GRAVEL. Poorly sorted, loose, wet, no staining, no odors. 22'-25': No recovery.
25'-30'	6	MC	54"	0.0, 0.0 0.0, 0.0 0.1. 0.0 0.0, 0.0 0.0	25'-27.3': Brown fine to coarse subangular SAND, trace fine to medium subangular GRAVEL. Poorly sorted, loose, wet, no staining, no odors. 27.3'-29.5': Brown fine to medium SAND, trace SILT. Poorly sorted, moderately packed, wet, no staining, no odors. 29.5'-30': No recovery.

Sample Types:
HC = Hand cleared
MC = Macrocore

NOTES:
Soil from 1'-1.5' below grade collected for grab sample FCSB-05 (1' – 1.5'). Sample submitted for analysis of VOCs, and SVOCs. Soil from 15.5'-17' where slight stains and odor observed collected for grab sample FCSB-05 (15.5'-17'). Sample submitted for analysis of VOCs, SVOCs, metals, mercury, cyanide, pesticides, and PCBs. Soil from 17.5'-19.5' collected for grab sample FCSB-05 (17.5'-19.5'). Sample submitted for analysis of VOCs, and SVOCs.

Monitoring well FCMW-05 installed and sampled at screen interval 15.5'-25.5'.

D&B Engineers and Architects, P.C.	**Project No.:** 3150-39 **Project Name:** 25 Field Court, Kingston, New York Site Characterization	**Boring No.:** FCSB-06 **Sheet** 1 **of** 1 **By:** Stephanie Rosenberg
Drilling Contractor: Aztech **Drill Rig:** Geoprobe 3230 DT **Date Started:** 07/13/18	**Geologist:** Paul Barusich **Drilling Method:** Macrocore **Drive Hammer Weight:** N/A **Date Completed:** 07/13/18	**Boring Completion Depth:** 30' **Ground Surface Elevation:** 185.3' **Boring Diameter:** 2"

Depth (ft.)	No.	Type	Rec.	PID Per 6" (ppm)	Sample Description
0'-5'	1	HC	60"	0.0	0'-2': Gray-brown fine to medium subangular SAND and blue STONE, some fine to medium subangular GRAVEL, trace ORGANIC MATTER and SILT. Poorly sorted, loose, moist, no staining, no odors. 2'-5': Brown fine to medium subangular SAND, trace SILT and fine to medium subangular GRAVEL. Moderate sorting, loose, moist, no staining, no odors.
5'-10'	2	MC	36"	0.0	5'-7': Brown fine to medium subangular SAND, trace SILT and fine to medium subangular GRAVEL. Moderate sorting, loose, moist, no staining, no odors. 7'-8': Brown fine to coarse subangular SAND, trace fine subangular GRAVEL. Well sorted, loose, moist, no staining, no odors. 8'-10': No recovery.
10'-15'	3	MC	42"	0.0	10'-13.5': Brown fine to coarse subangular SAND, trace fine subangular GRAVEL. Well sorted, loose, moist, no staining, no odors. 13.5'-15': No recovery.
15'-20'	4	MC	36"	0.0	15'-18': Brown fine to coarse subangular SAND, trace fine subrounded GRAVEL. Well sorted, loose, moist, no staining, no odors. 18'-20: No recovery.
20'-25'	5	MC	48"	0.0	20'-24': Brown fine to coarse subangular SAND, trace fine subrounded GRAVEL. Well sorted, loose, moist, no staining, no odors. Depth to water 22'. 24'-25': No recovery.
25'-30'	6	MC	42"	0.0	25'-28.5': Brown fine to coarse subangular SAND, trace fine subrounded GRAVEL. Well sorted, loose, wet, no staining, no odors. 28.5'-30': No recovery.

Sample Types:
HC = Hand cleared
MC = Macrocore

NOTES:
Soil from 0'-0.5' below grade collected for grab sample FCSB-06 (0' – 0.5'). Sample submitted for analysis of VOCs, and SVOCs. Soil from 20'-22' collected for grab sample FCSB-06 (20'-22'). Sample submitted for analysis of VOCs and SVOCs.

Monitoring well FCMW-06 installed and sampled at screen interval 16.5'-26.5'.

D&B ENGINEERS AND ARCHITECTS, P.C.	**Project No.:** 3150-39 **Project Name:** 25 Field Court, Kingston, New York Site Characterization	**Boring No.:** FCSB-07 **Sheet** 1 **of** 1 **By:** Stephanie Rosenberg
Drilling Contractor: Aztech **Drill Rig:** Geoprobe 3230 DT **Date Started:** 07/13/18	**Geologist:** Paul Barusich **Drilling Method:** Macrocore **Drive Hammer Weight:** N/A **Date Completed:** 07/13/18	**Boring Completion Depth:** 25' **Ground Surface Elevation:** 184.4' **Boring Diameter:** 2"

Depth (ft.)	No.	Type	Rec.	PID Per 6" (ppm)	Sample Description
0'-5'	1	HC	60"	0.0	0'-4": Asphalt 4"-1.5': Brown fine to medium subangular SAND, some fine to medium subangular GRAVEL, trace BRICK, GLASS, and SILT. Poorly sorted, loose, moist, no staining, no odors. 1.5'-3': Brown fine to medium subangular SAND, some fine to medium subangular GRAVEL, trace SILT, fragments of brick, glass, and metal. Poorly sorted, loose, moist, no staining, no odors. 3'-5': Brown fine to medium subangular SAND, trace fine to medium sub-rounded GRAVEL and SILT. Moderately sorted, loose, moist, no staining, no odors.
5-10'	2	MC	36"	0.0	5'-8': Brown fine to coarse subangular SAND, trace fine to medium sub-rounded GRAVEL and SILT. Moderately sorted, loose, moist, no staining, no odors. 8'-10': No recovery.
10'-15'	3	MC	33"	0.0	10'-12.75': Brown fine to coarse subangular SAND, trace SILT and fine sub-rounded GRAVEL. Poorly sorted, loose, moist, no staining, no odors. 12.75'-15': No recovery.
15'-20	4	MC	48"	0.0	15'-19': Brown fine to coarse subangular SAND, trace SILT. Poorly sorted, loose, moist, no staining, no odors. Depth to water 19'. 19'-20': No recovery.
20'-25'	5	MC	42"	0.0	20'-23.5': Brown fine to coarse subangular SAND, trace SILT. Poorly sorted, loose, wet, no staining, no odors 23'-25': No recovery.

Sample Types:
HC = Hand cleared
MC = Macrocore

NOTES:
Soil from 4"-10" below grade collected for grab sample FCSB-07 (4" – 10"). Sample submitted for analysis of VOCs, and SVOCs. Soil from 17'-19' collected for grab sample FCSB-07 (17'-19'). Sample submitted for analysis of VOCs and SVOCs.

Discrete temporary groundwater probe FCGP-01 installed and sampled at depth interval 26'-30' below grade.

D&B ENGINEERS AND ARCHITECTS, P.C.	**Project No.:** 3150-39 **Project Name:** 25 Field Court, Kingston, New York Site Characterization	**Boring No.:** FCSB-08 **Sheet** 1 **of** 4 **By:** Stephanie Rosenberg
Drilling Contractor: Aztech **Drill Rig:** Geoprobe 3230 DT **Date Started:** 07/17/18	**Geologist:** Stephanie Rosenberg **Drilling Method:** Macrocore **Drive Hammer Weight:** N/A **Date Completed:** 07/18/18	**Boring Completion Depth:** 62' **Ground Surface Elevation:** 184.4' **Boring Diameter:** 2"

Depth (ft.)	No.	Type	Rec.	PID Per 6" (ppm)	Sample Description
0'-5'	1	HC	66"	124.1, 82.1 60.9, 93.4 38.2, 38.4	0'-3': Brown fine to medium SAND with fine to medium subangular GRAVEL, trace SILT. Moderately sorted, loose, dry, no staining, no odors.
				24.4, 4.7	3'-4': Brown fine to medium SAND, some fine to coarse subangular GRAVEL, trace SILT. Moderately sorted, loose, dry, no staining, no odors.
				0.1, 0.1	4'-5.5': Brown fine to medium SAND, trace SILT, trace fine to coarse subangular GRAVEL. Poorly sorted, loose, dry, no staining, no odors.
5.5'-10'	2	MC	21"	0.0	5.5'-7': Brown fine to coarse subangular SAND with trace fine to medium subangular GRAVEL. Poorly sorted, loose, moist, no staining, no odors. 7'-7.25': Dark brown fine to coarse subangular SAND with trace fine to medium subangular GRAVEL. Poorly sorted, loose, moist, no staining, no odors. 7.25'-10': No recovery.
10'-15'	3	MC	35"	0.1, 0.1	10'-11': Brown fine to medium SAND, trace SILT, trace fine to medium subangular GRAVEL. Poorly sorted, moderately packed, moist, no staining, no odors.
				0.2, 0.1	11'-12': Brown fine to medium SAND, trace fine to medium subangular GRAVEL. Poorly sorted, loose, moist, no staining, no odors.
				0.1, 0.1	12'-12'11": Brown fine to coarse subangular SAND, trace fine to medium subangular GRAVEL. Poorly sorted, loose, moist, no staining, no odors. 12'11"-15': No recovery.
15'-20'	4	MC	42"	0.0	15'-18.5': Brown fine to coarse subangular SAND. Moderately sorted, loose, moist. Dark red-brown discoloration at 16.5'. No odors. Groundwater at 18.5'. 18.5'-20': No recovery.

Sample Types:
HC = Hand cleared
MC = Macrocore

NOTES:
Soil from 0'-0.5' below grade collected for grab sample FCSB-08 (0' – 0.5'). Sample submitted for analysis of VOCs, and SVOCs. Soil from 16.5'-18.5' below grade collected for grab sample FCSB-08 (16.5'-18.5'). Sample submitted for analysis of VOCs, and SVOCs.

Discrete temporary groundwater probe FCGP-02 installed and sampled at depth intervals below grade: 26'-30', 36'-40', 46'-50', and 52'-58'.

D&B ENGINEERS AND ARCHITECTS, P.C.	**Project No.:** 3150 **Project Name:** 25 Field Court, Kingston, New York Site Characterization	**Boring No.:** FCSB-08 **Sheet** 2 **of** 4 **By:** Stephanie Rosenberg
Drilling Contractor: Aztech **Drill Rig:** Geoprobe 3230 DT **Date Started:** 07/17/18	**Geologist:** Stephanie Rosenberg **Drilling Method:** Macrocore **Drive Hammer Weight:** N/A **Date Completed:** 07/18/18	**Boring Completion Depth:** 62' **Ground Surface Elevation:** 184.4' **Boring Diameter:** 2"

Depth (ft.)	No.	Type	Rec.	PID Per 6" (ppm)	Sample Description
20'-25'	5	MC	0"	-	20'-25': No recovery.
25'-30'	6	MC	60"	0.1, 0.1 0.2, 0.3, 0.1, 1.0 0.7 0.3, 0.0 0.4	25'-26.25': Brown fine to medium SAND, trace SILT. Poorly sorted, densely packed, wet, no staining, no odors. 26.25'-28.75': Brown fine SILTY SAND. Poorly sorted, densely packed, wet, no staining, no odors. 28.75'-30': Brown fine to medium SAND, trace SILT. Poorly sorted, densely packed, wet, no staining, no odors.
30'-35'	7	MC	54"	2.2, 3.1 16.8, 8.8 16.8, 1.5 18.6, 10.6 6.2 8.1	30'-34.5': Brown fine to medium SAND with trace SILT. Poorly sorted, loose, wet, no staining, no odors. 34.5'-35': No recovery.
35'-40'	8	MC	32"	0.0 0.0, 0.1 3.3, 0.0	35'-35.5': Brown fine to medium SAND, some SILT, trace fine to medium subangular GRAVEL. Poorly sorted, densely packed, wet, no staining, no odors. 35.5'-36.5': Brown fine SAND with SILT. Poorly sorted, loose, wet, no staining, no odors. 36.5'-37.5': Brown fine to medium SAND with SILT. Poorly sorted, loose, wet, no staining, no odors. 37.5'-40': No recovery.

Sample Types:
HC = Hand cleared
MC = Macrocore

NOTES:
Soil from 0'-0.5' below grade collected for grab sample FCSB-08 (0' – 0.5'). Sample submitted for analysis of VOCs, and SVOCs. Soil from 16.5'-18.5' below grade collected for grab sample FCSB-08 (16.5'-18.5'). Sample submitted for analysis of VOCs, and SVOCs.

Discrete temporary groundwater probe FCGP-02 installed and sampled at depth intervals below grade: 26'-30', 36'-40', 46'-50', and 52'-58'.

D&B ENGINEERS AND ARCHITECTS, P.C.	**Project No.:** 3150 **Project Name:** 25 Field Court, Kingston, New York Site Characterization	**Boring No.:** FCSB-08 **Sheet** 3 **of** 4 **By:** Stephanie Rosenberg
Drilling Contractor: Aztech **Drill Rig:** Geoprobe 3230 DT **Date Started:** 07/17/18	**Geologist:** Stephanie Rosenberg **Drilling Method:** Macrocore **Drive Hammer Weight:** N/A **Date Completed:** 07/18/18	**Boring Completion Depth:** 62' **Ground Surface Elevation:** 184.4' **Boring Diameter:** 2"

Depth (ft.)	No.	Type	Rec.	PID Per 6" (ppm)	Sample Description
40'-45'	9	MC	60"	0.0, 0.0 3.2, 0.1 0.0, 1.6 0.0, 0.0 1.6, 3.2	40'-45': Brown fine to medium SAND, trace SILT. Fine SAND with trace SILT at 45'. Poorly sorted, loose, wet, no staining, no odors.
45'-50'	10	MC	54"	0.1, 0.0 1.0, 0.0 2.6, 4.4 4.7, 3.3 1.7	45'-49': Brown fine to medium SAND with trace SILT. Poorly sorted, loose, wet, no staining, no odors. 49'-49.5': Brown fine to medium SAND with trace SILT. Poorly sorted, densely packed, wet, no staining, no odors.
50'-55'	11	MC	34"	 0.0 2.8, 0.0 4.2 2.1 0.0	50'-50.5': No recovery. MC liner sliced open, sample lost while opening drill rod. 50.5'-51': Brown fine to medium SAND, some SILT. Poorly sorted, loose, wet, no staining no odors. 51'-52'1": No recovery. MC liner sliced open, sample lost while opening drill rod. 52'1"-53.75': Brown fine to medium SAND, some SILT. Poorly sorted, loose, wet, no staining no odors. 53'9"- 54'4": No recovery. MC liner sliced open, sample lost while opening drill rod. 54'4"-54.5' Brown fine to medium SAND, some SILT. Poorly sorted, loose, wet, no staining no odors. 54.5'-55' Brown CLAY with SILT and trace fine SAND. Poorly sorted, densely packed, wet, no staining, no odors.
55'-57'	12	MC	24"	5.5, 3.3 9.0 10.3	55'-56.75': Brown fine to medium SAND with some SILT. Poorly sorted, densely packed, wet, no staining, no odors. 56.75' Brown SILTY CLAY with trace fine SAND. Poorly sorted, densely packed, wet, no staining, no odors.

Sample Types:
HC = Hand cleared
MC = Macrocore

NOTES:
Soil from 0'-0.5' below grade collected for grab sample FCSB-08 (0' – 0.5'). Sample submitted for analysis of VOCs, and SVOCs. Soil from 16.5'-18.5' below grade collected for grab sample FCSB-08 (16.5'-18.5'). Sample submitted for analysis of VOCs, and SVOCs.

Discrete temporary groundwater probe FCGP-02 installed and sampled at depth intervals below grade: 26'-30', 36'-40', 46'-50', and 52'-58'.

D&B ENGINEERS AND ARCHITECTS, P.C.	**Project No.:** 3150 **Project Name:** 25 Field Court, Kingston, New York Site Characterization	**Boring No.:** FCSB-08 **Sheet** 4 **of** 4 **By:** Stephanie Rosenberg
Drilling Contractor: Aztech **Drill Rig:** Geoprobe 3230 DT **Date Started:** 07/17/18	**Geologist:** Stephanie Rosenberg **Drilling Method:** Macrocore **Drive Hammer Weight:** N/A **Date Completed:** 07/18/18	**Boring Completion Depth:** 62' **Ground Surface Elevation:** 184.4' **Boring Diameter:** 2"

Depth (ft.)	No.	Type	Rec.	PID Per 6" (ppm)	Sample Description
57'-62'	13	MC	30"	0.2	57'-57.5': Brown fine to medium SAND, trace SILT. Poorly sorted, densely packed, wet, no staining, no odors.
				0.3	57.5'-57'10": Brown CLAY. Densely packed, no staining, no odors.
				6.9	57'10"-58.5': Brown SILT, some fine SAND, few CLAY lenses <0.25". Well sorted, moderately packed, wet, no staining, no odors.
				8.3, 0.7	58.5'-59.5': Brown SILTY CLAY. Poorly sorted, moderately packed, wet, no staining, no odors.

Sample Types:
HC = Hand cleared
MC = Macrocore

NOTES:
Soil from 0'-0.5' below grade collected for grab sample FCSB-08 (0' – 0.5'). Sample submitted for analysis of VOCs, and SVOCs. Soil from 16.5'-18.5' below grade collected for grab sample FCSB-08 (16.5'-18.5'). Sample submitted for analysis of VOCs, and SVOCs.

Discrete temporary groundwater probe FCGP-02 installed and sampled at depth intervals below grade: 26'-30', 36'-40', 46'-50', and 52'-58'.

D&B ENGINEERS AND ARCHITECTS, P.C.	**Project No.:** 3150-39 **Project Name:** 25 Field Court, Kingston, New York Site Characterization	**Boring No.:** FCSB-09 **Sheet** 1 **of** 2 **By:** Stephanie Rosenberg
Drilling Contractor: Aztech **Drill Rig:** Geoprobe 3230 DT **Date Started:** 07/18/18	**Geologist:** Stephanie Rosenberg **Drilling Method:** Macrocore **Drive Hammer Weight:** N/A **Date Completed:** 07/18/18	**Boring Completion Depth:** 25' **Ground Surface Elevation:** 182.7' **Boring Diameter:** 2"

Depth (ft.)	No.	Type	Rec.	PID Per 6" (ppm)	Sample Description
0'-5'	1	HC	60"	0.0	0'-1.5': Brown, fine to coarse subangular SAND with fine to coarse subangular GRAVEL, trace organics. Poorly sorted, loose, dry, no staining, no odors.
5'-10'	2	MC	44"	0.0	5'-5.5': Brown fine to coarse subangular SAND, some fine to medium subangular GRAVEL. Poorly sorted, loose, moist, no staining, no odors. 5.5'-7': Brown fine to coarse subangular SAND, some fine subangular GRAVEL. Poorly sorted, loose, moist, no staining, no odors. 7'-8': Brown fine to medium SAND, slate fragments at 7'8". Moderately sorted, loose, moist, no staining, no odors. 8'-8'8": Brown fine to coarse subangular SAND, trace fine to coarse subangular GRAVEL. Poorly sorted, loose, moist, no staining, no odors. 8'8"-10': No recovery.
10'-15'	3	MC	42"	0.0	10'-11': Brown fine to coarse subangular SAND, trace fine to coarse subangular GRAVEL. Poorly sorted, loose, moist. No staining, no odors. 11'-12'4": Brown fine to coarse subangular SAND, trace fine to medium subangular GRAVEL. Poorly sorted, loose, moist. No staining, no odors. 12'4"-12'10": Brown fine SAND, trace fine to medium subangular GRAVEL. Poorly sorted, loose, moist. No staining, no odors. 12'10"-13.5': Brown fine to coarse subangular SAND, some medium subangular GRAVEL. Well sorted, loose, moist, no staining, no odors. 13.5'-15': No recovery.

Sample Types:
HC = Hand cleared
MC = Macrocore

NOTES:
Soil from 0'-0.5' below grade collected for grab sample FCSB-09 (0' – 0.5'). Sample submitted for analysis of VOCs, and SVOCs. Soil from 16.5'-18.5' below grade collected for grab sample FCSB-08 (16.5'-18.5'). Sample submitted for analysis of VOCs, and SVOCs.

Discrete temporary groundwater probe FCGP-03 installed and sampled at depth interval 26'-30' below grade.

D&B Engineers and Architects, P.C.	**Project No.:** 3150 **Project Name:** 25 Field Court, Kingston, New York Site Characterization	**Boring No.:** FCSB-09 **Sheet** 2 **of** 2 **By:** Stephanie Rosenberg
Drilling Contractor: Aztech **Drill Rig:** Geoprobe 3230 DT **Date Started:** 07/18/18	**Geologist:** Stephanie Rosenberg **Drilling Method:** Macrocore **Drive Hammer Weight:** N/A **Date Completed:** 07/18/18	**Boring Completion Depth:** 30' **Ground Surface Elevation:** 182.7' **Boring Diameter:** 2"

Depth (ft.)	No.	Type	Rec.	PID Per 6" (ppm)	Sample Description
15'-20'	4	MC	20"	0.0, 0.4 0.0	15'-16'3": Brown fine to medium SAND, trace fine to medium subangular GRAVEL. Poorly sorted, loose, moist, no staining, no odors. 16'3"-16'8": Brown fine to medium SAND, trace fine subangular GRAVEL. Poorly sorted, loose, moist, no staining, no odors. 16'8"-20: No recovery.
20'-25'	5	MC	51"	0.0, 0.0 0.1, 1.8 20.1, 4.4 8.6 16.2	20'-21'4": Brown fine to medium SAND, trace SILT. Poorly sorted, loose, wet, no staining, no odors. 21'4"-23.75': Brown fine to medium SAND, trace SILT. Poorly sorted, loose, wet, no staining, no odors. Depth to water at 22' 23.75'-24.25': Brown fine to medium SAND, some fine to coarse subangular GRAVEL, trace SILT. Poorly sorted, loose, wet, no staining, no odors. 24.25'-25': No recovery.

Sample Types:
HC = Hand cleared
MC = Macrocore

NOTES:
Soil from 0'-0.5' below grade collected for grab sample FCSB-09 (0' – 0.5'). Sample submitted for analysis of VOCs, and SVOCs. Soil from 21.5'-23.5' below grade collected for grab sample FCSB-09 (21.5'-23.5'). Sample submitted for analysis of VOCs, and SVOCs.

Discrete temporary groundwater probe FCGP-03 installed and sampled at depth interval 26'-30' below grade.

D&B ENGINEERS AND ARCHITECTS, P.C.	**Project No.:** 3150-39 **Project Name:** 25 Field Court, Kingston, New York Site Characterization	**Boring No.:** FCSB-10 **Sheet** 1 **of** 1 **By:** Stephanie Rosenberg
Drilling Contractor: Aztech **Drill Rig:** Geoprobe 3230 DT **Date Started:** 07/19/18	**Geologist:** Stephanie Rosenberg **Drilling Method:** Macrocore **Drive Hammer Weight:** N/A **Date Completed:** 07/19/18	**Boring Completion Depth:** 25' **Ground Surface Elevation:** 183.0' **Boring Diameter:** 2"

Depth (ft.)	No.	Type	Rec.	PID Per 6" (ppm)	Sample Description
0'-5'	1	MC	36"	0.0, 0.2 0.0, 0.9 0.0, 0.0	0'-3': Brown, fine to medium SAND with trace SILT. Poorly sorted, loose, dry, no staining, no odors. 3'-5': No recovery.
5-10'	2	MC	30"	0.0	5'-7.5': Brown fine to medium SAND, trace SILT. Poorly sorted, loose, dry, no staining, no odors. 7.5'-10': No recovery.
10'-15'	3	MC	48"	1.4, 0.0 0.0, 0.0 0.0, 0.0 0.1, 1.0	10'-12': Brown fine to medium SAND, trace SILT. Poorly sorted, loose, dry, no staining, no odors. 12'-14': Brown fine to coarse subangular SAND, some fine to medium subangular GRAVEL. Poorly sorted, loose, dry, no staining, no odors. 14'-15': No recovery.
15'-20	4	MC	42"	0.0, 0.2 3.4, 0.2 0.0, 0.1 0.0	15'-17.5': Brown fine to medium SAND, trace fine to medium subangular GRAVEL, trace SILT. Poorly sorted, loose, moist, no staining, no odors. 17.5'-18.5': Brown fine to coarse subangular SAND, some fine subangular GRAVEL. Loose, poorly sorted, moist, no staining, no odors. Depth to water 18.5'. 18.5'-20': No recovery.
20'-25'	5	MC	24"	0.0, 0.1 0.0, 0.2	20'-21': Brown fine to medium SAND, trace SILT, trace fine to medium subangular GRAVEL. Poorly sorted, loose, wet, no staining, no odors. 21'-22': Brown fine to coarse subangular SAND, trace fine subangular GRAVEL. Poorly sorted, loose, wet, no staining, no odors. 22'-25': No recovery.

Sample Types:
HC = Hand cleared
MC = Macrocore

NOTES:
Soil from 0'-0.5' below grade collected for grab sample FCSB-10 (0' – 0.5'). Sample submitted for analysis of VOCs, and SVOCs. Soil from 16.5'-18.5' collected for grab sample FCSB-10 (16.5'-18.5'). Sample submitted for analysis of VOCs, SVOCs, metals, mercury, cyanide, pesticides, and PCBs.

Discrete temporary groundwater probe FCGP-04 installed and sampled at depth interval 25'-29' below grade.

D&B Engineers and Architects, P.C.	**Project No.:** 3150-39 **Project Name:** 25 Field Court, Kingston, New York Site Characterization	**Boring No.:** FCSB-12 **Sheet** 1 **of** 1 **By:** Stephanie Rosenberg
Drilling Contractor: Aztech **Drill Rig:** Geoprobe 3230 DT **Date Started:** 07/13/18	**Geologist:** Paul Barusich **Drilling Method:** Macrocore **Drive Hammer Weight:** N/A **Date Completed:** 07/13/18	**Boring Completion Depth:** 25' **Ground Surface Elevation:** 185.3' **Boring Diameter:** 2"

Depth (ft.)	No.	Type	Rec.	PID Per 6" (ppm)	Sample Description
0'-5'	1	MC	24"	0.0	0'-2': Brown and dark brown fine to medium subangular SAND, trace SILT, trace fine subangular GRAVEL, trace organics. Moderate sorting, loose, moist, no staining, no odors. 2'-5': No recovery.
5-10'	2	MC	30"	0.0	5'-7.5': Brown fine to medium subangular SAND, trace fine subangular GRAVEL and SILT. Moderately sorted, loose, moist, no staining, no odors. 7.5'-10': No recovery.
10'-15'	3	MC	27"	0.0	10'-12.25': Brown fine to coarse subangular SAND, trace fine subangular GRAVEL and SILT. Moderately sorted, loose, moist, no staining, no odors. 12.25'-15': No recovery.
15'-20	4	MC	36"	0.0	15'-18': Brown fine to coarse subangular SAND, trace fine subrounded GRAVEL. Well sorted, loose, moist, no staining, no odors. 18'-20': No recovery.
20'-25'	5	MC	36"	0.0	20'-23': Brown fine to coarse subangular SAND, trace fine subrounded GRAVEL. Well sorted, loose, moist, no staining, no odors. Depth to water 22'. 23'-25': No recovery.

Sample Types:
MC = Macrocore

NOTES:
Soil from 0'-0.5' below grade collected for grab sample FCSB-12 (0' – 0.5'). Sample submitted for analysis of VOCs, and SVOCs. Soil from 20'-22' collected for grab sample FCSB-12 (20'-22'). Sample submitted for analysis of VOCs, SVOCs, metals, mercury, cyanide, pesticides, and PCBs.

Discrete temporary groundwater probe FCGP-06 installed and sampled at depth interval 25'-29' below grade.

D&B ENGINEERS AND ARCHITECTS, P.C.	**Project No.:** 3150-39 **Project Name:** 25 Field Court, Kingston, New York Site Characterization	**Boring No.:** FCSB-13 **Sheet** 1 **of** 1 **By:** Stephanie Rosenberg
Drilling Contractor: Aztech **Equipment:** Hand Auger **Date Started:** 07/12/18	**Geologist:** Paul Barusich **Drilling Method:** Hand auger **Drive Hammer Weight:** N/A **Date Completed:** 07/12/18	**Boring Completion Depth:** 10' **Ground Surface Elevation:** 185.0' **Boring Diameter:** 5"

Depth (ft.)	No.	Type	Rec.	PID Per 6" (ppm)	Sample Description
0'-4'	1	HA	--	1.2, 2.1 3.8, 2.4 0.7, 0.2 0.3, 0.2	0'-6": Building slab. 6"-4': Brown-dark brown fine-medium subangular SAND and fine-medium sub-rounded GRAVEL, trace SILT. Well sorted, loose, moist, no staining, no odors.
4'-5'	2	HA	--	0.0	4'-5': Dark brown fine-medium subangular SAND, some fine-medium sub-rounded GRAVEL, trace SILT, well sorted, loose, moist, no staining, no odors.
5'-7'	3	HA	--	0.0	5'-7': Brown fine-medium subangular SAND, some fine-medium sub-rounded GRAVEL, moderately sorted, loose, moist, no staining, no odors.
7'-10'	4	HA	--	0.0	7'-10': Brown fine-coarse subangular SAND, trace fine sub-rounded GRAVEL. Moderately sorted, loose, moist, no staining, no odors.

Sample Types:
HA = Hand auger

NOTES:
Soil from 0.5'-2' below grade collected for grab sample FCSB-13 (0.5' – 2.5'). Sample submitted for analysis of VOCs, SVOCs, pesticides, PCBs, and metals.

Sub-slab soil vapor sample FCSS-01 collected at this location.

D&B ENGINEERS AND ARCHITECTS, P.C.	**Project No.:** 3150-39 **Project Name:** 25 Field Court, Kingston, New York Site Characterization	**Boring No.:** FCSB-14 **Sheet** 1 **of** 1 **By:** Stephanie Rosenberg
Drilling Contractor: Aztech **Equipment:** Hand Auger **Date Started:** 07/12/18	**Geologist:** Paul Barusich **Drilling Method:** Hand auger **Drive Hammer Weight:** N/A **Date Completed:** 07/12/18	**Boring Completion Depth:** 10' **Ground Surface Elevation:** 184.4' **Boring Diameter:** 5"

Depth (ft.)	No.	Type	Rec.	PID Per 6" (ppm)	Sample Description
0'-3'	1	HA	--	0.0 0.0	0'-5": Building slab. 5"-7": Blue stone. 7"-3': Brown fine-medium subangular SAND and fine-medium subangular GRAVEL, trace SILT. Moderately sorted, loose, wet (from core drill), no staining, no odors.
3'-5'	2	HA	--	0.0	3'-5': Brown fine-medium subangular SAND, trace fine subangular GRAVEL and SILT. Moderately sorted, loose, moist, no staining, no odors.
5'-10'	3	HA	--	0.0	5'-10': Brown fine-coarse subangular SAND, trace fine-medium sub-rounded GRAVEL. Moderately sorted, loose, moist, no staining, no odors.

Sample Types:
HA = Hand auger

NOTES:
Soil from 0.5'-2' below grade collected for grab sample FCSB-14 (0.5' – 2.5'). Sample submitted for analysis of VOCs and SVOCs.

Sub-slab soil vapor sample FCSS-04 collected at this location.

D&B ENGINEERS AND ARCHITECTS, P.C.	**Project No.:** 3150-39 **Project Name:** 25 Field Court, Kingston, New York Site Characterization	**Boring No.:** FCSB-15 **Sheet** 1 **of** 1 **By:** Stephanie Rosenberg
Drilling Contractor: Aztech **Equipment:** Hand Auger **Date Started:** 07/12/18	**Geologist:** Paul Barusich **Drilling Method:** Hand auger **Drive Hammer Weight:** N/A **Date Completed:** 07/12/18	**Boring Completion Depth:** 10' **Ground Surface Elevation:** 184.7' **Boring Diameter:** 5"

Depth (ft.)	No.	Type	Rec.	PID Per 6" (ppm)	Sample Description
0'-2'	1	HA	--	0.0	0'-4": Building slab. 4"-2': Brown fine-medium subangular SAND, some fine-medium subangular GRAVEL, trace SILT. Moderately sorted, loose, wet (from core drill), no staining, no odors. 2': Large rock, relocated core by 6".
2'-3'	2	HA	--	0.0	2'-3': Brown fine-medium subangular SAND, some fine-medium subangular GRAVEL, trace SILT. Moderately sorted, loose, wet (from core drill), no staining, no odors.
3'-7'	3	HA	--	0.2, 0.5 0.0, 0.0 0.0, 0.0 0.0, 0.0	3'-7': Brown fine-medium subangular SAND, some fine subangular GRAVEL, trace SILT and ASH. Moderately sorted, loose, moist, no staining, no odors.
7'-10'	4	HA	--	0.0	7'-10': Brown fine-medium subangular SAND, trace fine subangular GRAVEL. Well sorted, loose, moist, no staining, no odors.

Sample Types:
HA = Hand auger

NOTES:
Soil from 0.5'-2' below grade collected for grab sample FCSB-15 (0.5' – 2.5'). Sample submitted for analysis of VOCs and SVOCs.

Sub-slab soil vapor sample FCSS-02 collected at this location.

D&B ENGINEERS AND ARCHITECTS, P.C.	**Project No.:** 3150-39 **Project Name:** 25 Field Court, Kingston, New York Site Characterization	**Boring No.:** FCSB-16 **Sheet** 1 **of** 1 **By:** Stephanie Rosenberg
Drilling Contractor: Aztech **Equipment:** Hand Auger **Date Started:** 07/12/18	**Geologist:** Paul Barusich **Drilling Method:** Hand auger **Drive Hammer Weight:** N/A **Date Completed:** 07/12/18	**Boring Completion Depth:** 10' **Ground Surface Elevation:** 184.7' **Boring Diameter:** 5"

Depth (ft.)	No.	Type	Rec.	PID Per 6" (ppm)	Sample Description
0'-1'	1	HA	--	0.0	0'-6": Building slab. 6"-1': Brown, fine-medium subangular SAND and fine-medium sub-rounded GRAVEL, trace SILT. Poorly sorted, loose, moist, no staining, no odors.
1'-4'	2	HA	--	0.0	1'-4': Dark brown fine-medium subangular SAND, trace fine-medium subangular GRAVEL and SILT. Moderately sorted, loose, moist, no staining, no odors.
4'-6'	3	HA	--	0.0	4'-6': Brown fine-medium subangular SAND, trace fine subangular GRAVEL and SILT. Moderately sorted, loose, moist, no staining, no odors.
6'-10'	4	HA	--	0.0	6'-9': Light brown fine-medium subangular SAND, trace fine subangular GRAVEL and SILT. Moderately sorted, loose, moist, no staining, no odors. 9'-10': Brown fine-coarse subangular SAND, trace fine subangular GRAVEL and SILT. Moderately sorted, loose, moist, no staining, no odors.

Sample Types:
HA = Hand auger

NOTES:
Soil from 0.5'-2' below grade collected for grab sample FCSB-16 (0.5' – 2.5'). Sample submitted for analysis of VOCs and SVOCs.

Sub-slab soil vapor sample FCSS-03 collected at this location.

D&B ENGINEERS AND ARCHITECTS, P.C.	**Project No.:** 3150-39 **Project Name:** 25 Field Court, Kingston, New York Site Characterization	**Boring No.:** FCSB-17 **Sheet** 1 **of** 1 **By:** Stephanie Rosenberg
Drilling Contractor: Aztech **Drill Rig:** Geoprobe 3230 DT **Date Started:** 07/16/18	**Geologist:** Stephanie Rosenberg **Drilling Method:** Macrocore **Drive Hammer Weight:** N/A **Date Completed:** 07/16/18	**Boring Completion Depth:** 10' **Ground Surface Elevation:** --- **Boring Diameter:** 2"

Depth (ft.)	No.	Type	Rec.	PID Per 6" (ppm)	Sample Description
0'-5'	1	HC	60"	0.5, 8.2 0.8, 1.0 2.5, 1.6 0.1 0.2 0.2 0.0	0'-3': Dark brown, fine to medium SAND, trace SILT, some asphalt fragments and asphalt staining, some plastic debris, trace glass and brick debris, trace organics after 0.5'. Poorly sorted, loose, dry, no odor. 3'-5': Brown and dark brown fine to medium SAND, poorly sorted, trace fine to coarse subangular GRAVEL, trace SILT, trace organics. Poorly sorted, loose, dry, no stains or odors. Moist after 3.5 feet.
5'-10'	2	MC	24'	0.0	5'-7': Brown fine to medium sand with trace fine to medium subangular GRAVEL, trace SILT. Poorly sorted, loose, moist, no staining or odors. 7'-10': No recovery.

Sample Types:
HC = Hand cleared
MC = Macrocore

NOTES:
Soil from 6'-7' below grade collected for grab sample FCSB-17 (6' – 7'). Sample submitted for analysis of VOCs, SVOCs, and tetraethyl lead.

Date: 7/17/2018

SAMPLE INFORMATION RECORD

Site: 25 Field Court, Kingston, NY **Sample Crew:** S. Rosenberg

Sample Location/Well No. FCGP-01

Field Sample I.D. Number FCGP-01 (26'-30') **Time** 8:55 am

Weather Clear **Temperature** 81ºF

Sample Type:

Groundwater X **Sediment**

Surface Water/Stream **Air**

Soil **Other (describe, i.e. water, septage, etc.)**

Well Information (fill out for groundwater samples)

Depth to Water N/A (Groundwater Probe) **Measurement Method** N/A (Groundwater Probe)

Depth of Well N/A (Groundwater Probe) **Measurement Method** N/A (Groundwater Probe)

Volume Removed 2 Gal. **Removal Method** Peristaltic Pump

Field Test Results

Color Turbid **pH** 7.28 **Odor** None

Temperature (ºC) 28.33 **Conductivity (mS/cm)** 0.547

Other (OVA, Methane Meter, etc. ORP: +221 Turbidity (NTUs): Out of Range

DO (mg/L): 5.29

Constituents Sampled

TCL VOCs (8260)

Remarks:

Collected from discrete depth groundwater sampling probe using SP-16 sampler. Depth interval 26 to 30 ft. bgs.

Well Casing Volumes

GAL/FT	**1¼" = 0.077**	**2" = 0.16**	**3" = 0.37**	**4" = 0.65**
	1½ =0.10	**2½ " = 0.24**	**3½ = 0.50**	**6" = 1.46**

Date: 7/18/2018

SAMPLE INFORMATION RECORD

Site: 25 Field Court, Kingston, NY **Sample Crew:** S. Rosenberg

Sample Location/Well No. FCGP-02

Field Sample I.D. Number FCGP-02 (26'-30') **Time** 1:30 pm

Weather Clear **Temperature** 80ºF

Sample Type:

Groundwater X **Sediment**

Surface Water/Stream **Air**

Soil **Other (describe, i.e. water, septage, etc.)**

Well Information (fill out for groundwater samples)

Depth to Water N/A (Groundwater Probe) **Measurement Method** N/A (Groundwater Probe)

Depth of Well N/A (Groundwater Probe) **Measurement Method** N/A (Groundwater Probe)

Volume Removed 2 Gal. **Removal Method** Peristaltic Pump

Field Test Results

Color Turbid **pH** 8.13 **Odor** None

Temperature (ºC) 20.86 **Conductivity (mS/cm)** 0.670

Other (OVA, Methane Meter, etc. ORP: +226 Turbidity (NTUs): 955

DO (mg/L): 5.48

Constituents Sampled

TCL VOCs (8260)

Remarks:

Collected from discrete depth groundwater sampling probe using SP-16 sampler. Depth interval 26 to 30 ft. bgs.

Well Casing Volumes

GAL/FT	**1¼" = 0.077**	**2" = 0.16**	**3" = 0.37**	**4" = 0.65**
	1½ =0.10	**2½ " = 0.24**	**3½ = 0.50**	**6" = 1.46**

Date: 7/18/2018

SAMPLE INFORMATION RECORD

Site: 25 Field Court, Kingston, NY **Sample Crew:** S. Rosenberg

Sample Location/Well No. FCGP-02

Field Sample I.D. Number FCGP-02 (36'-40') **Time** 2:16 pm

Weather Clear **Temperature** 80ºF

Sample Type:

Groundwater X **Sediment**

Surface Water/Stream **Air**

Soil **Other (describe, i.e. water, septage, etc.)**

Well Information (fill out for groundwater samples)

Depth to Water N/A (Groundwater Probe) **Measurement Method** N/A (Groundwater Probe)

Depth of Well N/A (Groundwater Probe) **Measurement Method** N/A (Groundwater Probe)

Volume Removed 2 Gal. **Removal Method** Peristaltic Pump

Field Test Results

Color Turbid **pH** 7.12 **Odor** None

Temperature (ºC) 20.26 **Conductivity (mS/cm)** 0.472

Other (OVA, Methane Meter, etc. ORP: +148 Turbidity (NTUs): >1000

DO (mg/L): 2.85

Constituents Sampled

TCL VOCs (8260)

Remarks:

Collected from discrete depth groundwater sampling probe using SP-16 sampler. Depth interval 36 to 40 ft. bgs.

Well Casing Volumes

GAL/FT	**1¼" = 0.077**	**2" = 0.16**	**3" = 0.37**	**4" = 0.65**
	1½ =0.10	**2½ " = 0.24**	**3½ = 0.50**	**6" = 1.46**

Date: 7/18/2018

SAMPLE INFORMATION RECORD

Site: 25 Field Court, Kingston, NY **Sample Crew:** S. Rosenberg

Sample Location/Well No. FCGP-02

Field Sample I.D. Number FCGP-02 (46'-50') **Time** 3:10 pm

Weather Clear **Temperature** 80ºF

Sample Type:

Groundwater X **Sediment**

Surface Water/Stream **Air**

Soil **Other (describe, i.e. water, septage, etc.)**

Well Information (fill out for groundwater samples)

Depth to Water N/A (Groundwater Probe) **Measurement Method** N/A (Groundwater Probe)

Depth of Well N/A (Groundwater Probe) **Measurement Method** N/A (Groundwater Probe)

Volume Removed 2 Gal. **Removal Method** Peristaltic Pump

Field Test Results

Color Turbid **pH** 7.70 **Odor** None

Temperature (ºC) 20.12 **Conductivity (mS/cm)** 0.646

Other (OVA, Methane Meter, etc. ORP: +136 Turbidity (NTUs): Out of range

DO (mg/L): 2.36

Constituents Sampled

TCL VOCs (8260)

Remarks:

Collected from discrete depth groundwater sampling probe using SP-16 sampler. Depth interval 46 to 50 ft. bgs.

Well Casing Volumes

GAL/FT	**1¼" = 0.077**	**2" = 0.16**	**3" = 0.37**	**4" = 0.65**
	1½ =0.10	**2½ " = 0.24**	**3½ = 0.50**	**6" = 1.46**

Date: 7/18/2018

SAMPLE INFORMATION RECORD

Site: 25 Field Court, Kingston, NY **Sample Crew:** S. Rosenberg

Sample Location/Well No. FCGP-02

Field Sample I.D. Number FCGP-02 (52'-58') **Time** 3:50 pm

Weather Clear **Temperature** 80ºF

Sample Type:

Groundwater X **Sediment**

Surface Water/Stream **Air**

Soil **Other (describe, i.e. water, septage, etc.)**

Well Information (fill out for groundwater samples)

Depth to Water N/A (Groundwater Probe) **Measurement Method** N/A (Groundwater Probe)

Depth of Well N/A (Groundwater Probe) **Measurement Method** N/A (Groundwater Probe)

Volume Removed 2 Gal. **Removal Method** Peristaltic Pump

Field Test Results

Color Turbid **pH** 7.50 **Odor** None

Temperature (ºC) 24.10 **Conductivity (mS/cm)** 0.648

Other (OVA, Methane Meter, etc. ORP: +165 Turbidity (NTUs): Out of range

DO (mg/L): 3.50

Constituents Sampled

TCL VOCs (8260)

Remarks:

Collected from discrete depth groundwater sampling probe using SP-16 sampler. Depth interval 52 to 58 ft. bgs.

Well Casing Volumes

GAL/FT	**1¼" = 0.077**	**2" = 0.16**	**3" = 0.37**	**4" = 0.65**
	1½ =0.10	**2½ " = 0.24**	**3½ = 0.50**	**6" = 1.46**

Date: 7/19/2018

SAMPLE INFORMATION RECORD

Site: 25 Field Court, Kingston, NY **Sample Crew:** S. Rosenberg

Sample Location/Well No. FCGP-03

Field Sample I.D. Number FCGP-03 (26'-30') **Time** 11:15 am

Weather Clear **Temperature** 76ºF

Sample Type:

Groundwater X **Sediment**

Surface Water/Stream **Air**

Soil **Other (describe, i.e. water, septage, etc.)**

Well Information (fill out for groundwater samples)

Depth to Water N/A (Groundwater Probe) **Measurement Method** N/A (Groundwater Probe)

Depth of Well N/A (Groundwater Probe) **Measurement Method** N/A (Groundwater Probe)

Volume Removed 2 Gal. **Removal Method** Manual oscillation

Field Test Results

Color Turbid **pH** 6.31 **Odor** None

Temperature (ºC) 22.05 **Conductivity (mS/cm)** 0.735

Other (OVA, Methane Meter, etc. ORP: +244 Turbidity (NTUs): Over range

DO (mg/L): 3.22

Constituents Sampled

TCL VOCs (8260)

Remarks:

Collected from discrete depth groundwater sampling probe using mil slot sampler.

Depth interval 26 to 30 ft. bgs.

Well Casing Volumes

GAL/FT	**1¼" = 0.077**	**2" = 0.16**	**3" = 0.37**	**4" = 0.65**
	1½ =0.10	**2½ " = 0.24**	**3½ = 0.50**	**6" = 1.46**

Date: 7/19/2018

SAMPLE INFORMATION RECORD

Site: 25 Field Court, Kingston, NY **Sample Crew:** S. Rosenberg

Sample Location/Well No. FCGP-04

Field Sample I.D. Number FCGP-04 (25'-29') **Time** 4:00 pm

Weather Clear **Temperature** 80ºF

Sample Type:

Groundwater X **Sediment**

Surface Water/Stream **Air**

Soil **Other (describe, i.e. water, septage, etc.)**

Well Information (fill out for groundwater samples)

Depth to Water N/A (Groundwater Probe) **Measurement Method** N/A (Groundwater Probe)

Depth of Well N/A (Groundwater Probe) **Measurement Method** N/A (Groundwater Probe)

Volume Removed 2 Gal. **Removal Method** Manual oscillation

Field Test Results

Color Turbid **pH** 6.87 **Odor** None

Temperature (ºC) 22.65 **Conductivity (mS/cm)** 0.534

Other (OVA, Methane Meter, etc. ORP: +198 Turbidity (NTUs): Over range

DO (mg/L): 2.72

Constituents Sampled

TCL VOCs (8260)

Remarks:

Collected from discrete depth groundwater sampling probe using mil slot sampler.

Depth interval 25 to 29 ft. bgs.

Well Casing Volumes

GAL/FT	**1¼" = 0.077**	**2" = 0.16**	**3" = 0.37**	**4" = 0.65**
	1½ =0.10	**2½ " = 0.24**	**3½ = 0.50**	**6" = 1.46**

Date: 7/19/2018

SAMPLE INFORMATION RECORD

Site: 25 Field Court, Kingston, NY **Sample Crew:** S. Rosenberg

Sample Location/Well No. FCGP-06

Field Sample I.D. Number FCGP-06 (25'-29') **Time** 5:10 pm

Weather Clear **Temperature** 80ºF

Sample Type:

Groundwater X **Sediment**

Surface Water/Stream **Air**

Soil **Other (describe, i.e. water, septage, etc.)**

Well Information (fill out for groundwater samples)

Depth to Water N/A (Groundwater Probe) **Measurement Method** N/A (Groundwater Probe)

Depth of Well N/A (Groundwater Probe) **Measurement Method** N/A (Groundwater Probe)

Volume Removed 2 Gal. **Removal Method** Manual oscillation

Field Test Results

Color Turbid **pH** 7.48 **Odor** None

Temperature (ºC) 22.98 **Conductivity (mS/cm)** 0.588

Other (OVA, Methane Meter, etc. ORP: +220 Turbidity (NTUs): Over range

DO (mg/L): 5.75

Constituents Sampled

TCL VOCs (8260)

Remarks:

Collected from discrete depth groundwater sampling probe using mil slot sampler.

Depth interval 25 to 29 ft. bgs.

Well Casing Volumes

GAL/FT	**1¼" = 0.077**	**2" = 0.16**	**3" = 0.37**	**4" = 0.65**
	1½ =0.10	**2½ " = 0.24**	**3½ = 0.50**	**6" = 1.46**

Date: 7/24/2018

SAMPLE INFORMATION RECORD

Site: 25 Field Court, Kingston, NY **Sample Crew:** S. Rosenberg

Sample Location/Well No. FCGP-07

Field Sample I.D. Number FCGP-07 (36'-40') **Time** 9:10 am

Weather Clear **Temperature** 79ºF

Sample Type:

Groundwater X **Sediment**

Surface Water/Stream **Air**

Soil **Other (describe, i.e. water, septage, etc.)**

Well Information (fill out for groundwater samples)

Depth to Water N/A (Groundwater Probe) **Measurement Method** N/A (Groundwater Probe)

Depth of Well N/A (Groundwater Probe) **Measurement Method** N/A (Groundwater Probe)

Volume Removed 2 Gal. **Removal Method** Manual oscillation

Field Test Results

Color Turbid **pH** 6.93 **Odor** None

Temperature (ºC) 23.61 **Conductivity (mS/cm)** 0.677

Other (OVA, Methane Meter, etc. ORP: +166 Turbidity (NTUs): 754

DO (mg/L): 4.89

Constituents Sampled

TCL VOCs (8260)

Remarks:

Collected from discrete depth groundwater sampling probe using SP-16 sampler. Depth interval 36 to 40 ft. bgs.

Turbidity visually reduced while filling sample vials.

Well Casing Volumes

GAL/FT	**1¼" = 0.077**	**2" = 0.16**	**3" = 0.37**	**4" = 0.65**
	1½ =0.10	**2½ " = 0.24**	**3½ = 0.50**	**6" = 1.46**

Date: 7/24/2018

SAMPLE INFORMATION RECORD

Site: 25 Field Court, Kingston, NY **Sample Crew:** S. Rosenberg

Sample Location/Well No. FCGP-07

Field Sample I.D. Number FCGP-07 (46'-50') **Time** 10:00 am

Weather Clear **Temperature** 82ºF

Sample Type:

Groundwater X **Sediment**

Surface Water/Stream **Air**

Soil **Other (describe, i.e. water, septage, etc.)**

Well Information (fill out for groundwater samples)

Depth to Water N/A (Groundwater Probe) **Measurement Method** N/A (Groundwater Probe)

Depth of Well N/A (Groundwater Probe) **Measurement Method** N/A (Groundwater Probe)

Volume Removed 2 Gal. **Removal Method** Manual oscillation

Field Test Results

Color Turbid **pH** 6.96 **Odor** None

Temperature (ºC) 22.25 **Conductivity (mS/cm)** 0.615

Other (OVA, Methane Meter, etc. ORP: +231 Turbidity (NTUs): Over range

DO (mg/L): 4.52

Constituents Sampled

TCL VOCs (8260)

Remarks:

Collected from discrete depth groundwater sampling probe using SP-16 sampler. Depth interval 46 to 50 ft. bgs.

Turbidity visually reduced while filling sample vials.

Well Casing Volumes

GAL/FT	**1¼" = 0.077**	**2" = 0.16**	**3" = 0.37**	**4" = 0.65**
	1½ =0.10	**2½ " = 0.24**	**3½ = 0.50**	**6" = 1.46**

Date: 7/24/2018

SAMPLE INFORMATION RECORD

Site: 25 Field Court, Kingston, NY **Sample Crew:** S. Rosenberg

Sample Location/Well No. FCGP-07

Field Sample I.D. Number FCGP-07 (56'-60') **Time** 10:45 am

Weather Clear **Temperature** 82ºF

Sample Type:

Groundwater X **Sediment**

Surface Water/Stream **Air**

Soil **Other (describe, i.e. water, septage, etc.)**

Well Information (fill out for groundwater samples)

Depth to Water N/A (Groundwater Probe) **Measurement Method** N/A (Groundwater Probe)

Depth of Well N/A (Groundwater Probe) **Measurement Method** N/A (Groundwater Probe)

Volume Removed 2 Gal. **Removal Method** Manual oscillation

Field Test Results

Color Turbid **pH** 6.99 **Odor** None

Temperature (ºC) 21.72 **Conductivity (mS/cm)** 0.649

Other (OVA, Methane Meter, etc. ORP: +182 Turbidity (NTUs): Over range

DO (mg/L): 4.46

Constituents Sampled

TCL VOCs (8260)

Remarks:

Collected from discrete depth groundwater sampling probe using SP-16 sampler. Depth interval 56 to 60 ft. bgs.

Well Casing Volumes

GAL/FT	**1¼" = 0.077**	**2" = 0.16**	**3" = 0.37**	**4" = 0.65**
	1½ =0.10	**2½ " = 0.24**	**3½ = 0.50**	**6" = 1.46**

Date: 7/24/2018

SAMPLE INFORMATION RECORD

Site: 25 Field Court, Kingston, NY **Sample Crew:** S. Rosenberg

Sample Location/Well No. FCGP-07

Field Sample I.D. Number FCGP-07 (66'-70') **Time** 11:30 am

Weather Clear **Temperature** 82ºF

Sample Type:

Groundwater X **Sediment**

Surface Water/Stream **Air**

Soil **Other (describe, i.e. water, septage, etc.)**

Well Information (fill out for groundwater samples)

Depth to Water N/A (Groundwater Probe) **Measurement Method** N/A (Groundwater Probe)

Depth of Well N/A (Groundwater Probe) **Measurement Method** N/A (Groundwater Probe)

Volume Removed 2 Gal. **Removal Method** Manual oscillation

Field Test Results

Color Turbid **pH** 8.26 **Odor** None

Temperature (ºC) 25.72 **Conductivity (mS/cm)** 0.694

Other (OVA, Methane Meter, etc. ORP: -461 Turbidity (NTUs): Over range

DO (mg/L): 0.02

Constituents Sampled

TCL VOCs (8260)

Remarks:

Collected from discrete depth groundwater sampling probe using SP-16 sampler. Depth interval 66 to 70 ft. bgs.

Fine sediment present in sample.

Well Casing Volumes

GAL/FT	**1¼" = 0.077**	**2" = 0.16**	**3" = 0.37**	**4" = 0.65**
	1½ =0.10	**2½ " = 0.24**	**3½ = 0.50**	**6" = 1.46**

D&B ENGINEERS AND ARCHITECTS, P.C.

Well Construction Log

Site 25 Field Court, Kingston, NY Job No. 3150 -39 Well No. FCMW-01

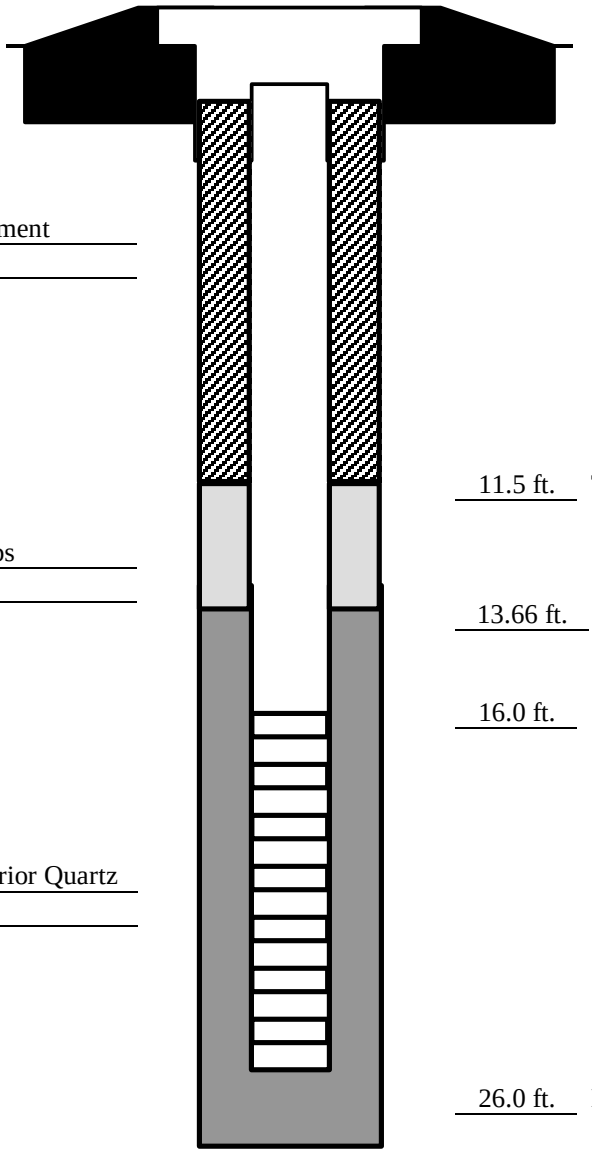
Total Depth 26.0 ft. Surface Elevation 184.0 ft. Top Riser Elevation 183.77 ft.

Water Levels (Depth) 18.34 (7/27/2018) Date Installed 7/26/2018

Riser Dia. 2.0 in. Material sch 40 PVC Length 16.0 ft.

Screen Dia. 2.0 in. Material sch 40 PVC Length 10.0 ft. Slot Size 0.010 in

SCHEMATIC



Flush Mount Manhole

Grout Type Bentonite / Cement Mixture

11.5 ft. Top Seal

Seal Type Bentonite Chips

13.66 ft. Top Sand Pack

16.0 ft. Top Screen

Sand Pack Type Fillpro Superior Quartz

Size #1

26.0 ft. Bottom Screen

28 ft. Total Depth of Boring

D&B ENGINEERS AND ARCHITECTS, P.C.

Well Construction Log

Site 25 Field Court, Kingston, NY Job No. 3150 -39 Well No. FCMW-02

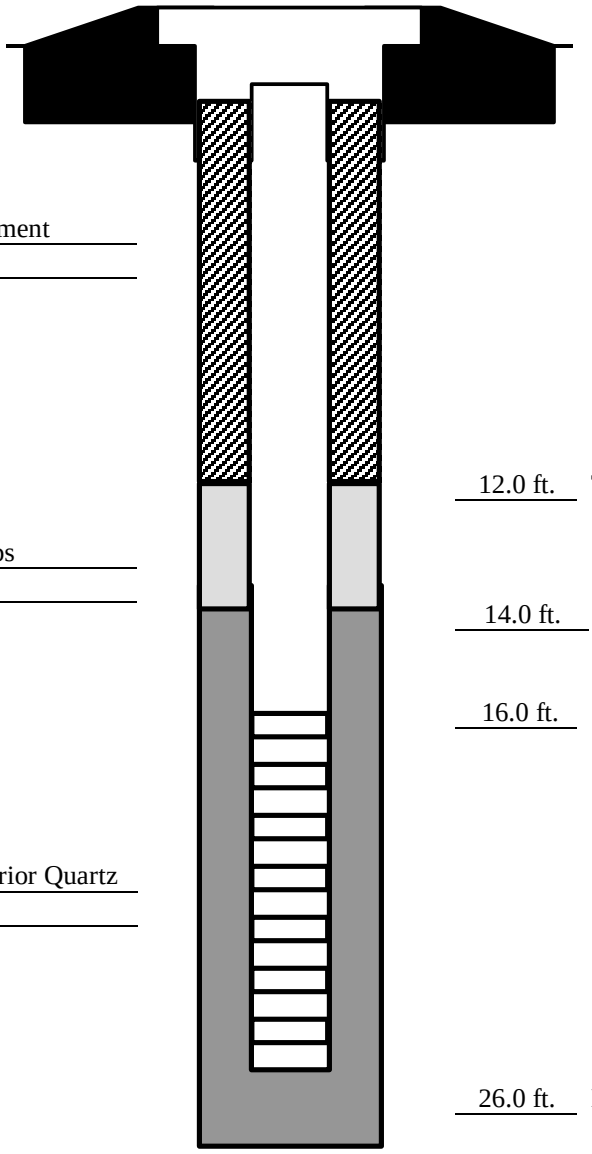
Total Depth 26.0 ft. Surface Elevation 184.4 ft. Top Riser Elevation 184.16 ft.

Water Levels (Depth) 19.10 (7/27/2018) Date Installed 7/26/2018

Riser Dia. 2.0 in. Material sch 40 PVC Length 16.0 ft.

Screen Dia. 2.0 in. Material sch 40 PVC Length 10.0 ft. Slot Size 0.010 in

SCHEMATIC



Flush Mount Manhole

Grout Type Bentonite / Cement Mixture

12.0 ft. Top Seal

Seal Type Bentonite Chips

14.0 ft. Top Sand Pack

16.0 ft. Top Screen

Sand Pack Type Fillpro Superior Quartz

Size #1

26.0 ft. Bottom Screen

28.0 ft. Total Depth of Boring

D&B ENGINEERS AND ARCHITECTS, P.C.

Well Construction Log

Site 25 Field Court, Kingston, NY Job No. 3150 -39 Well No. FCMW-03

Total Depth 26.0 ft. Surface Elevation 184.6 ft. Top Riser Elevation 184.36 ft.

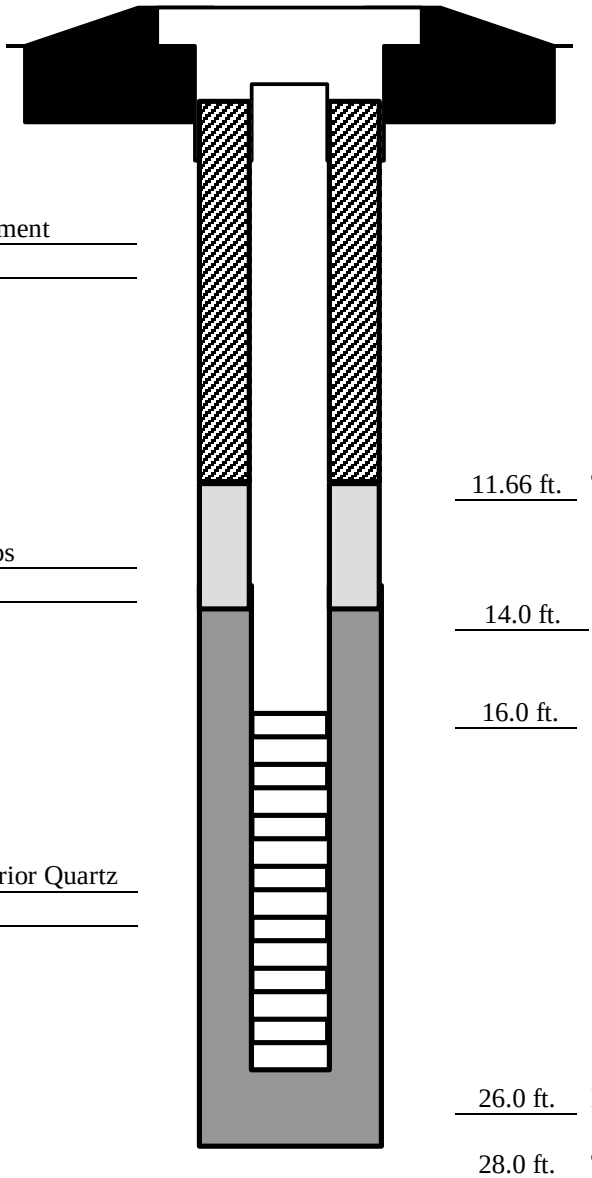
Water Levels (Depth) 19.27 (7/26/2018) Date Installed 7/25/2018

Riser Dia. 2.0 in. Material sch 40 PVC Length 16.0 ft.

Screen Dia. 2.0 in. Material sch 40 PVC Length 10.0 ft. Slot Size 0.010 in

SCHEMATIC

Flush Mount Manhole



Grout Type Bentonite / Cement Mixture

11.66 ft. Top Seal

Seal Type Bentonite Chips

14.0 ft. Top Sand Pack

16.0 ft. Top Screen

Sand Pack Type Fillpro Superior Quartz

Size #1

26.0 ft. Bottom Screen

28.0 ft. Total Depth of Boring

D&B ENGINEERS AND ARCHITECTS, P.C.

Well Construction Log

Site 25 Field Court, Kingston, NY Job No. 3150 -39 Well No. FCMW-04

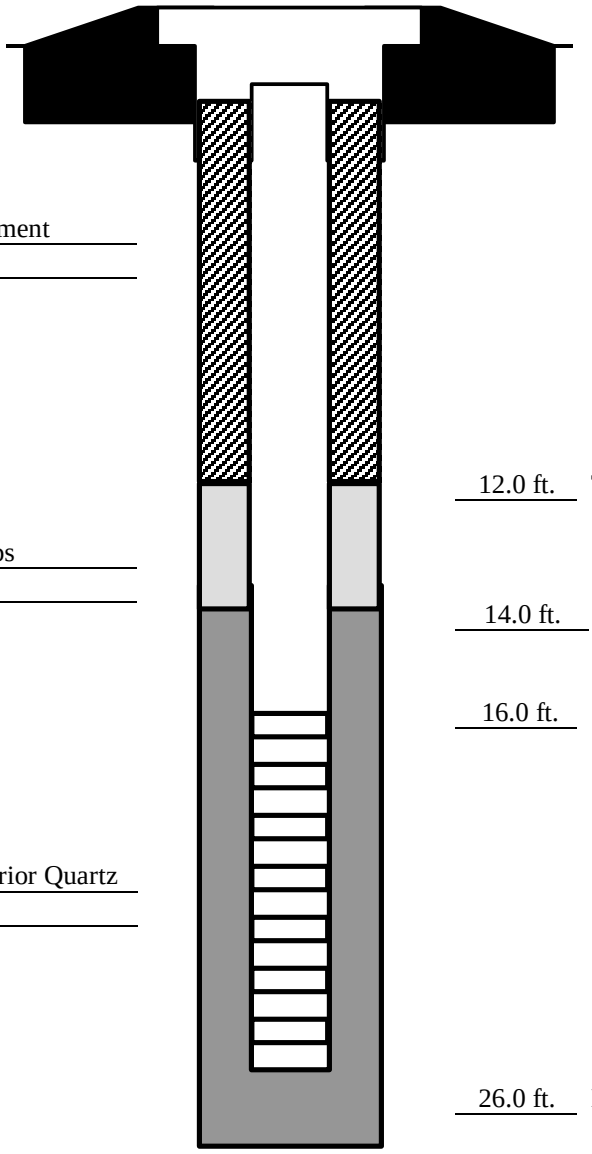
Total Depth 26.0 ft. Surface Elevation 183.6 ft. Top Riser Elevation 183.33 ft.

Water Levels (Depth) 18.95 (7/27/2018) Date Installed 7/24/2018

Riser Dia. 2.0 in. Material sch 40 PVC Length 16.0 ft.

Screen Dia. 2.0 in. Material sch 40 PVC Length 10.0 ft. Slot Size 0.010 in

SCHEMATIC



Flush Mount Manhole

Grout Type Bentonite / Cement Mixture

12.0 ft. Top Seal

Seal Type Bentonite Chips

14.0 ft. Top Sand Pack

16.0 ft. Top Screen

Sand Pack Type Fillpro Superior Quartz

Size #1

26.0 ft. Bottom Screen

28.0 ft. Total Depth of Boring

D&B ENGINEERS AND ARCHITECTS, P.C.

Well Construction Log

Site 25 Field Court, Kingston, NY Job No. 3150 -39 Well No. FCMW-05

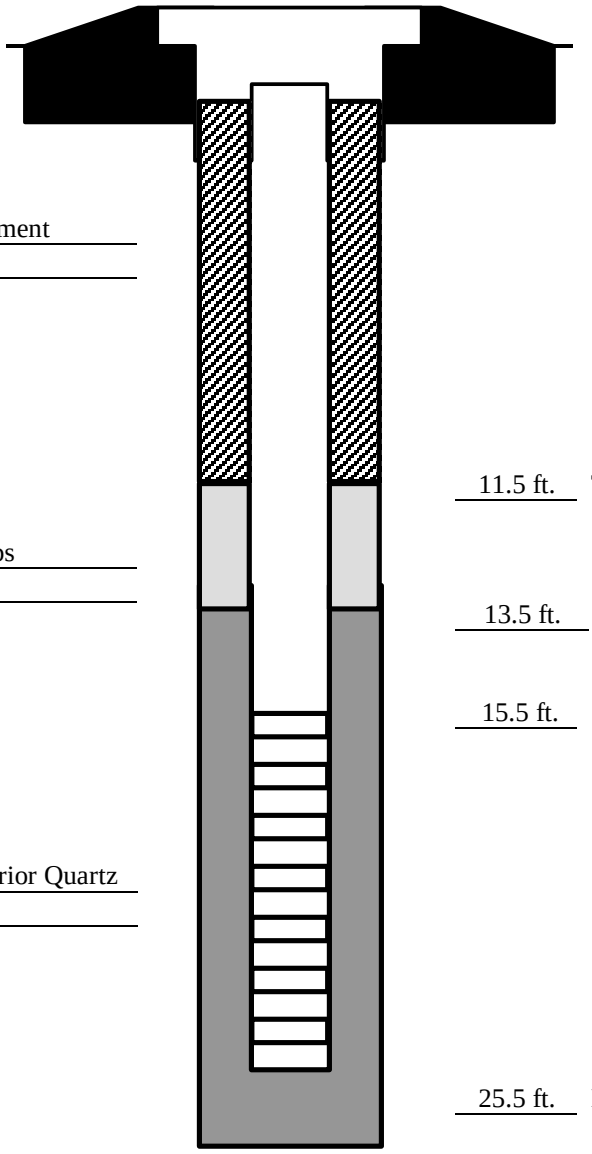
Total Depth 25.5 ft. Surface Elevation 182.4 ft. Top Riser Elevation 182.13 ft.

Water Levels (Depth) 17.67 (7/27/2018) Date Installed 7/25/2018

Riser Dia. 2.0 in. Material sch 40 PVC Length 15.5 ft.

Screen Dia. 2.0 in. Material sch 40 PVC Length 10.0 ft. Slot Size 0.010 in

SCHEMATIC



Flush Mount Manhole

Grout Type Bentonite / Cement Mixture

11.5 ft. Top Seal

Seal Type Bentonite Chips

13.5 ft. Top Sand Pack

15.5 ft. Top Screen

Sand Pack Type Fillpro Superior Quartz

Size #1

25.5 ft. Bottom Screen

28.0 ft. Total Depth of Boring

D&B ENGINEERS AND ARCHITECTS, P.C.

Well Construction Log

Site 25 Field Court, Kingston, NY Job No. 3150 -39 Well No. FCMW-06

Total Depth 26.5 ft. Surface Elevation 185.3 ft. Top Riser Elevation 184.96

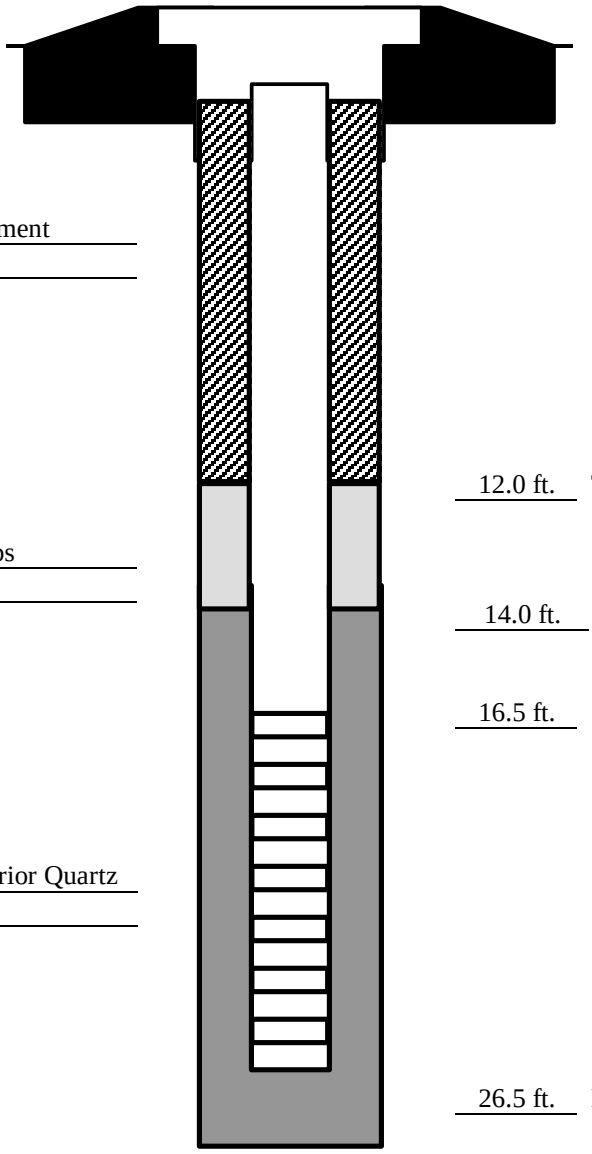
Water Levels (Depth) 18.74 (7/27/2018) Date Installed 7/26/2018

Riser Dia. 2.0 in. Material sch 40 PVC Length 16.5 ft.

Screen Dia. 2.0 in. Material sch 40 PVC Length 10.0 ft. Slot Size 0.010 in

SCHEMATIC

Flush Mount Manhole



Grout Type Bentonite / Cement Mixture

12.0 ft. Top Seal

Seal Type Bentonite Chips

14.0 ft. Top Sand Pack

16.5 ft. Top Screen

Sand Pack Type Fillpro Superior Quartz

Size #1

26.5 ft. Bottom Screen

28.0 ft. Total Depth of Boring

FIELD OBSERVATION LOG
MONITORING WELL DEVELOPMENT RECORD

SITE 25 Field Court, Kingston, NY DATE 7/27/18

WELL ID: FCMW-01
GEOLOGIST: Stephanie Rosenberg

Depth of well (from top of casing) 26.00 ft.
Initial static water level (from top of casing) 18.34 ft.

Purging Method

Airlift		Centrifugal		2 in. casing:	7.66	ft. of water x 0.16 =	1.23	gallons
Bailer		Pos. Displ.		3 in. casing:		ft. of water x 0.36 =		gallons
Submersible Pump	X	Peristaltic Pump (Low Flow)		4 in. casing:		ft. of water x 0.65 =		gallons

Well Volume Calculation:

volume of water removed:
15 gal. >3 volumes: yes X no purged dry? yes no X

Field Tests

Volume of Purge Water (in Gallons)	Turbidity (NTU)	Water Conditions/Comments
Initial	<1,000	Surged with pump
5	80.6	Lowering pump in screen zone
10	113	Lowering pump in screen zone
15	47.1	Surged full screen zone. Pump at bottom.

Method:
Purge Start: 1015
Purge Stop: 1031

Pump: Whale Pump
Meters: Horiba U52, Lamotte Turbidimeter
Pumping Rate: 1 gallon per min

Observations
Weather/Temperature: Clear, 70 degrees F
Description: Clear, no odor, no sheen
Free Product? yes no X describe
Sheen? yes no X describe
Odor? yes no X describe

Comments: Purge water contained in 55-gallon drums.

FIELD OBSERVATION LOG
MONITORING WELL DEVELOPMENT RECORD

SITE 25 Field Court, Kingston, NY DATE 7/27/18

WELL ID: FCMW-02
GEOLOGIST: Stephanie Rosenberg

Depth of well (from top of casing) 26.00 ft.
Initial static water level (from top of casing) 19.10 ft.

Purging Method

Airlift		Centrifugal		2 in. casing:	6.90	ft. of water x 0.16 =	1.10	gallons
Bailer		Pos. Displ.		3 in. casing:		ft. of water x 0.36 =		gallons
Submersible Pump	X	Peristaltic Pump (Low Flow)		4 in. casing:		ft. of water x 0.65 =		gallons

Well Volume Calculation:

volume of water removed:
23 gal. >3 volumes: yes X no purged dry? yes no X

Field Tests

Volume of Purge Water (in Gallons)	Turbidity (NTU)	Water Conditions/Comments
Initial	969	Surged with pump
5	537	
	393	
10	422	Lowering pump in screen zone
	351	
15	308	
	628	Lowering pump in screen zone
20	149	Surged full screen zone. Pump at bottom.
	113	
23	47.1	

Method:
Purge Start: 0930
Purge Stop: 1000

Pump: Whale Pump
Meters: Horiba U52, Lamotte Turbidimeter
Pumping Rate: 0.76 gallon per min

Observations
Weather/Temperature: Clear, 70 degrees F
Description: Clear, no odor, no sheen
Free Product? yes no X describe
Sheen? yes no X describe
Odor? yes no X describe

Comments: Purge water contained in 55-gallon drums.

FIELD OBSERVATION LOG
MONITORING WELL DEVELOPMENT RECORD

SITE 25 Field Court, Kingston, NY DATE 7/26/18

WELL ID: FCMW-03
GEOLOGIST: Stephanie Rosenberg

Depth of well (from top of casing) 26.00 ft.
Initial static water level (from top of casing) 19.27 ft.

Purging Method

Airlift		Centrifugal		2 in. casing:	6.73	ft. of water x 0.16 =	1.08	gallons
Bailer		Pos. Displ.		3 in. casing:		ft. of water x 0.36 =		gallons
Submersible Pump	X	Peristaltic Pump (Low Flow)		4 in. casing:		ft. of water x 0.65 =		gallons

Well Volume Calculation:

volume of water removed:
18 gal. >3 volumes: yes X no purged dry? yes no X

Field Tests

Volume of Purge Water (in Gallons)	Turbidity (NTU)	Water Conditions/Comments
Initial	*0.0	Surged with pump
5	430	
	347	
10	977	Lowering pump in screen zone
	882	
15	860	Lowering pump in screen zone
	64.2	
18	49.7	Surged full screen zone. Pump at bottom.

Method:
Purge Start: 1045
Purge Stop: 1115

Pump: Whale Pump
Meters: Horiba U52
Pumping Rate: 0.6 gallon per min

Observations
Weather/Temperature: Overcast, 75 degrees F
Description: Clear, no odor, no sheen
Free Product? yes no X describe
Sheen? yes no X describe
Odor? yes no X describe

Comments: Purge water contained in 55-gallon drums.
* Turbidity reading does not match visual observation. Likely overrange.

FIELD OBSERVATION LOG
MONITORING WELL DEVELOPMENT RECORD

SITE 25 Field Court, Kingston, NY DATE 7/27/18

WELL ID: FCMW-04
GEOLOGIST: Stephanie Rosenberg

Depth of well (from top of casing) 26.00 ft.
Initial static water level (from top of casing) 18.95 ft.

Purging Method

Airlift		Centrifugal		2 in. casing:	7.05	ft. of water x 0.16 =	1.13	gallons
Bailer		Pos. Displ.		3 in. casing:		ft. of water x 0.36 =		gallons
Submersible Pump	X	Peristaltic Pump (Low Flow)		4 in. casing:		ft. of water x 0.65 =		gallons

Well Volume Calculation:

volume of water removed:
30 gal. >3 volumes: yes X no purged dry? yes no X

Field Tests

Volume of Purge Water (in Gallons)	Turbidity (NTU)	Water Conditions/Comments
Initial	902	Surged with pump
5	702	
10	406	Lowering pump in screen zone
15	390	
20	612	Lowering pump in screen zone
25	181	
	>1000	Surged full screen zone. Pump at bottom.
30	524	

Method:
Purge Start: 0830
Purge Stop: 0900

Pump: Whale Pump
Meters: Horiba U52, Lamotte Turbidimeter
Pumping Rate: 1 gallon per min

Observations
Weather/Temperature: Clear, 70 degrees F
Description: Turbid, no odor, no sheen
Free Product? yes no X describe
Sheen? yes no X describe
Odor? yes no X describe

Comments: Purge water contained in 55-gallon drums. Turbidity improved while pumping, did not achieve turbidity below 50 NTU. 26.5 well volumes purged.

FIELD OBSERVATION LOG
MONITORING WELL DEVELOPMENT RECORD

SITE 25 Field Court, Kingston, NY DATE 7/27/18

WELL ID: FCMW-05
GEOLOGIST: Stephanie Rosenberg

Depth of well (from top of casing) 25.50 ft.
Initial static water level (from top of casing) 17.67 ft.

Purging Method

Airlift		Centrifugal		2 in. casing:	7.83	ft. of water x 0.16 =	1.25	gallons
Bailer		Pos. Displ.		3 in. casing:		ft. of water x 0.36 =		gallons
Submersible Pump	X	Peristaltic Pump (Low Flow)		4 in. casing:		ft. of water x 0.65 =		gallons

Well Volume Calculation:

volume of water removed:
30 gal. >3 volumes: yes X no purged dry? yes no X

Field Tests

Volume of Purge Water (in Gallons)	Turbidity (NTU)	Water Conditions/Comments
Initial	628	Surged with pump
5	961	
10	658	Lowering pump in screen zone
15	399	
20	307	
	444	Lowering pump in screen zone
25	789	Surged full screen zone. Pump at bottom.
	124	
30	164	

Method:
Purge Start: 0735
Purge Stop: 0815

Pump: Whale Pump
Meters: Horiba U52, Lamotte Turbidimeter
Pumping Rate: 0.75 gallon per min

Observations
Weather/Temperature: Clear, 70 degrees F
Description: Turbid, no odor, no sheen
Free Product? yes no X describe
Sheen? yes no X describe
Odor? yes no X describe

Comments: Purge water contained in 55-gallon drums. Turbidity improved while pumping, did not achieve turbidity below 50 NTU. 24 well volumes purged.

FIELD OBSERVATION LOG
MONITORING WELL DEVELOPMENT RECORD

SITE 25 Field Court, Kingston, NY DATE 7/27/18

WELL ID: FCMW-06
GEOLOGIST: Stephanie Rosenberg

Depth of well (from top of casing) 26.50 ft.
Initial static water level (from top of casing) 18.74 ft.

Purging Method

Airlift		Centrifugal		2 in. casing:	7.76	ft. of water x 0.16 =	1.24	gallons
Bailer		Pos. Displ.		3 in. casing:		ft. of water x 0.36 =		gallons
Submersible Pump	X	Peristaltic Pump (Low Flow)		4 in. casing:		ft. of water x 0.65 =		gallons

Well Volume Calculation:

volume of water removed:
22 gal. >3 volumes: yes X no purged dry? yes no X

Field Tests

Volume of Purge Water (in Gallons)	Turbidity (NTU)	Water Conditions/Comments
Initial	>1000	Surged with pump
5	113	
	>1000	Lowering pump in screen zone
10	418	
	127	
15	707	Lowering pump in screen zone
20	145	Surged full screen zone. Pump at bottom.
22	6.00	

Method:
Purge Start: 1050
Purge Stop: 1120

Pump: Whale Pump
Meters: Horiba U52, Lamotte Turbidimeter
Pumping Rate: 0.73 gallon per min

Observations
Weather/Temperature: Clear, 70 degrees F
Description: Clear, no odor, no sheen
Free Product? yes no X describe
Sheen? yes no X describe
Odor? yes no X describe

Comments: Purge water contained in 55-gallon drums.

FIELD OBSERVATION LOG
GROUNDWATER SAMPLING RECORD

SITE 25 Field Court, Kingston, NY DATE: 8/7/2018
SAMPLE ID: FCMW-01
WELL ID: FCMW-01
SAMPLERS: Paul Barusich

Depth of well (from top of casing) 26.0 ft.
Initial static water level (from top of casing) 18.2 ft.

Purging Method

Airlift		Centrifugal	
Bailer		Pos. Displ.	
Bladder Pump		Peristaltic Pump	X

Tubing Volume Calculation:
26.0-18.2=7.80'
7.80', R=0.0156' = 169ml.

volume of water removed: 3.30 gal. >3 volumes: yes ___ no X purged dry? yes ___ no X

Field Tests:

Volume of Purge Water (in ml)	Temp (c°)	pH	Conductivity (ms/cm)	Turbidity (NTUs)	ORP	DO (mg/L)
Initial	18.00	6.58	0.816	544	+262	6.55
2,500	17.47	6.64	0.814	51.7	+277	5.22
5,000	17.48	6.64	0.808	19.7	+288	5.80
7,500	17.81	6.63	0.800	19.9	+291	5.61
10,000	18.02	6.68	0.804	17.9	+296	5.63
12,500	18.10	6.68	0.805	16.1	+297	5.59

Sampling:
Time of Sample Collection: 12:10 pm
Method:

	Stainless steel bailer	X	TCL VOCs	602		503	Other : 8260
	Teflon bailer		TCL SVOCs				
	Pos. Disp. Pump		TAL Metals				
	Disposable bailer		Other				
X	Peristaltic pump (Low-Flow)						
	Other: Bladder Pump						

Analyses:

Observations
Weather/Temperature: Clear, warm, 73-89°F
Sample description: Clear, no sheen, no odor.
Free Product? yes ___ no X describe ___
Sheen? yes ___ no X describe ___
Odor? yes ___ no X describe ___
Comments: Rate: 500 mL/min. Tubing water volume removed before initial readings were taken. Purge water contained into a 55-gallon drum.

FIELD OBSERVATION LOG
GROUNDWATER SAMPLING RECORD

SITE 25 Field Court, Kingston, NY DATE: 8/7/2018
SAMPLE ID: FCMW-02
WELL ID: FCMW-02
SAMPLERS: Paul Barusich

Depth of well (from top of casing) 26.00 ft.
Initial static water level (from top of casing) 18.93 ft.

Purging Method

Airlift		Centrifugal	
Bailer		Pos. Displ.	
Bladder Pump		Peristaltic Pump	X

Tubing Volume Calculation:
26.00-18.93= 7.07'
7.07', R=0.0156' = 153ml.

volume of water removed: 3.30 gal. >3 volumes: yes X no purged dry? yes no X

Field Tests:

Volume of Purge Water (in ml)	Temp (c°)	pH	Conductivity (ms/cm)	Turbidity (NTUs)	ORP	DO (mg/L)
Initial	18.58	7.06	0.437	212	+243	6.91
2,500	16.05	7.02	0.445	21.9	+248	4.90
5,000	16.03	7.02	0.436	11.4	+254	4.66
7,500	16.30	7.01	0.436	8.9	+257	4.51
10,000	16.28	7.04	0.440	8.3	+254	4.50
12,500	16.30	7.03	0.440	8.7	+255	4.50

Time of Sample Collection: 2:00 pm

Method:

	Stainless steel bailer	X	TCL VOCs
	Teflon bailer	X	TCL SVOCs
	Pos. Disp. Pump	X	TAL Metals
	Disposable bailer	X	Other
X	Peristaltic pump (Low-flow)		
	Other: Bladder Pump		

Analyses: 602 503 Other: See comments

Observations

Weather/Temperature: Clear, warm, 73-89°F
Sample description: Clear, no sheen, no odor.
Free Product? yes no X describe
Sheen? yes no X describe
Odor? yes no X describe

Comments: Rate: 500 mL/min. Tubing water volume removed before initial readings were taken. Purge water contained into a 55-gallon drum.

Analyses include: TCL VOCs+10 (8260), TCL SVOCs+20 (8270), unfiltered and laboratory-filtered TAL metals (6010), mercury (7470), cyanide (9010), pesticides (8081), PCBs (8082).

FIELD OBSERVATION LOG
GROUNDWATER SAMPLING RECORD

SITE 25 Field Court, Kingston, NY DATE: 8/29/2018
SAMPLE ID: FCMW-02
WELL ID: FCMW-02
SAMPLERS: Paul Barusich

Depth of well (from top of casing) 26.00 ft.
Initial static water level (from top of casing) 18.65 ft.

Purging Method

Airlift		Centrifugal	
Bailer		Pos. Displ.	
Bladder Pump		Peristaltic Pump	X

Tubing Volume Calculation:
26.0-18.65=7.35'
7.35', R=0.0156' = 159ml.

volume of water removed: 4.62 gal. >3 volumes: yes X no purged dry? yes no X

Field Tests:

Volume of Purge Water (in ml)	Temp (c°)	pH	Conductivity (ms/cm)	Turbidity (NTUs)	ORP	DO (mg/L)
Initial	20.17	6.76	0.347	333	+213	3.87
2,500	20.08	6.48	0.399	127	+233	3.01
5,000	20.26	6.44	0.407	88.7	+238	3.09
7,500	20.25	6.45	0.408	56.1	+239	3.00
10,000	20.86	6.53	0.416	84.7	+237	2.91
12,500	20.80	6.53	0.417	23.3	+236	2.90
15,000	20.89	6.57	0.418	23.0	+236	2.92
17,500	20.90	6.54	0.419	23.9	+238	2.93

Sampling:
Time of Sample Collection: 10:25 am
Method:

	Stainless steel bailer		TCL VOCs	Analyses: 602		503	Other: 537
	Teflon bailer		TCL SVOCs				
	Pos. Disp. Pump		TAL Metals				
	Disposable bailer	X	Other				
X	Peristaltic pump)Low-flow)						
	Other: Bladder Pump						

Observations
Weather/Temperature: Clear, warm, 76-92°F
Sample description: Clear, no sheen, no odor.
Free Product? yes no X describe
Sheen? yes no X describe
Odor? yes no X describe
Comments: Rate: 500 mL/min. Tubing water volume removed before initial readings were taken. Purge water contained into a 55-gallon drum.

Analyses include TAL PFAs.

FIELD OBSERVATION LOG
GROUNDWATER SAMPLING RECORD

SITE 25 Field Court, Kingston, NY DATE: 8/7/2018

SAMPLE ID: FCMW-03
WELL ID: FCMW-03
SAMPLERS: Paul Barusich

Depth of well (from top of casing) 26.00 ft.
Initial static water level (from top of casing) 18.70 ft.

Purging Method

Airlift		Centrifugal	
Bailer		Pos. Displ.	
Bladder Pump		Peristaltic Pump	X

Tubing Volume Calculation:
26.00-18.70 = 7.3'
7.30', R=0.0156' = 158ml.

volume of water removed: 4.96 gal. >3 volumes: yes X no purged dry? yes no X

Field Tests:

Volume of Purge Water (in ml)	Temp (c°)	pH	Conductivity (ms/cm)	Turbidity (NTUs)	ORP	DO (mg/L)
Initial	18.64	6.71	0.682	812	+263	3.68
2,500	15.66	6.73	0.648	68.1	+304	2.57
5,000	15.57	6.71	0.645	48.4	+310	2.57
7,500	15.68	6.70	0.619	29.7	+322	2.59
10,000	15.45	6.71	0.663	22.5	+334	2.77
12,500	15.46	6.72	0.651	22.6	+337	2.62
15,000	15.46	6.70	0.651	22.0	+336	2.49

Sampling:

Time of Sample Collection: 12:55 pm

Method:

	Stainless steel bailer	X	TCL VOCs	602		503	Other: See comments
	Teflon bailer	X	TCL SVOCs				
	Pos. Disp. Pump	X	TAL Metals				
	Disposable bailer	X	Other				
X	Peristaltic pump (Low-Flow)						
	Other: Bladder Pump						

Observations

Weather/Temperature: Clear, warm, 73-89°F
Sample description: Clear, no sheen, no odor.
Free Product? yes no X describe
Sheen? yes no X describe
Odor? yes no X describe

Comments: Rate: 500 mL/min. Tubing water volume removed before initial readings were taken. Purge water contained into a 55-gallon drum.

Analyses include: TCL VOCs+10 (8260), TCL SVOCs+20 (8270), unfiltered and laboratory-filtered TAL metals (6010), mercury (7470), cyanide (9010), pesticides (8081), PCBs (8082).

FIELD OBSERVATION LOG
GROUNDWATER SAMPLING RECORD

SITE 25 Field Court, Kingston, NY DATE: 8/29/2018
SAMPLE ID: FCMW-03
WELL ID: FCMW-03
SAMPLERS: Paul Barusich

Depth of well (from top of casing) 26.00 ft.
Initial static water level (from top of casing) 18.52 ft.

Purging Method

Airlift		Centrifugal	
Bailer		Pos. Displ.	
Bladder Pump		Peristaltic Pump	X

Tubing Volume Calculation:
26.00-18.52=7.48'
7.48', R=0.0156' = 162ml.

volume of water removed: 4.62 gal. >3 volumes: X yes no purged dry? yes no X

Field Tests:

Volume of Purge Water (in ml)	Temp (c°)	pH	Conductivity (ms/cm)	Turbidity (NTUs)	ORP	DO (mg/L)
Initial	21.74	7.57	0.157	788	+158	4.58
2,500	20.13	7.00	0.381	290	+225	3.75
5,000	18.00	6.46	0.383	270	+228	3.42
7,500	17.78	6.60	0.385	138	+224	3.29
10,000	17.70	6.33	0.392	59.1	+240	3.25
12,500	17.72	6.35	0.390	29.7	+243	3.05
15,000	17.73	6.32	0.388	20.1	+243	3.07
17,500	17.70	6.34	0.387	20.0	+244	3.07

Sampling:
Time of Sample Collection: 09:05 am
Method:

	Stainless steel bailer		TCL VOCs	Analyses: 602		503	Other: 537
	Teflon bailer		TCL SVOCs				
	Pos. Disp. Pump		TAL Metals				
	Disposable bailer	X	Other				
X	Dedicated pump (Low-flow)						
	Other: Bladder Pump						

Observations
Weather/Temperature: Clear, warm, 76-92°F
Sample description: Clear, no sheen, no odor.
Free Product? yes no X describe
Sheen? yes no X describe
Odor? yes no X describe
Comments: Rate: 500 mL/min. Tubing water volume removed before initial readings were taken. Purge water contained into a 55-gallon drum.

Analyses include TAL PFAs.

FIELD OBSERVATION LOG
GROUNDWATER SAMPLING RECORD

SITE 25 Field Court, Kingston, NY DATE: 8/7/2018
SAMPLE ID: FCMW-04
WELL ID: FCMW-04
SAMPLERS: Paul Barusich

Depth of well (from top of casing) 26.00 ft.
Initial static water level (from top of casing) 18.80 ft.

Purging Method

Airlift		Centrifugal	
Bailer		Pos. Displ.	
Bladder Pump		Peristaltic Pump	X

Tubing Volume Calculation:
26.00-18.80=7.20'
7.20', R=0.0156' = 156ml

volume of water removed: 4.62 gal. >3 volumes: yes ___ no X purged dry? yes ___ no X

Field Tests:

Volume of Purge Water (in ml)	Temp (c°)	pH	Conductivity (ms/cm)	ORP	DO (mg/L)
Initial	20.35	6.81	0.695	+178	7.00
2,500	17.85	6.79	0.684	+205	6.01
5,000	18.05	6.82	0.687	+207	5.81
7,500	18.30	6.82	0.686	+210	6.00
10,000	18.51	6.79	0.682	+211	6.01
12,500	18.65	6.82	0.682	+211	6.10
15,000	18.89	6.84	0.682	+210	6.05
17,500	19.00	6.86	0.684	+210	6.09

Sampling:
Time of Sample Collection: 10:25 am
Method:

	Stainless steel bailer	X	TCL VOCs	Analyses:	602		503	Other :	8260
	Teflon bailer		TCL SVOCs						
	Pos. Disp. Pump		TAL Metals						
	Disposable bailer		Other						
X	Peristaltic pump (Low-flow)								
	Other: Bladder Pump								

Observations
Weather/Temperature: Clear, warm, 73-89°F
Sample description: Clear, no sheen, no odor.
Free Product? yes ___ no X describe ___
Sheen? yes ___ no X describe ___
Odor? yes ___ no X describe ___
Comments: Rate: 500 mL/min. Tubing water volume removed before initial readings were taken. Purge water contained into a 55-gallon drum.

FIELD OBSERVATION LOG
GROUNDWATER SAMPLING RECORD

SITE 25 Field Court, Kingston, NY DATE: 8/7/2018

SAMPLE ID: FCMW-05
WELL ID: FCMW-05
SAMPLERS: Paul Barusich

Depth of well (from top of casing) 25.50 ft.
Initial static water level (from top of casing) 17.22 ft.

Purging Method

Airlift		Centrifugal	
Bailer		Pos. Displ.	
Bladder Pump		Peristaltic Pump	X

Tubing Volume Calculation:
25.50'-17.22'= 8.28'
8.28', R=0.0156 = 179ml.

volume of water removed: 3.96 gal. >3 volumes: yes X no purged dry? yes no X

Field Tests:

Volume of Purge Water (in ml)	Temp (c°)	pH	Conductivity (ms/cm)	Turbidity (NTUs)	ORP	DO (mg/L)
Initial	20.17	7.14	0.632	401	+133	6.70
2,500	18.55	7.09	0.620	201	+158	4.00
5,000	18.14	7.08	0.626	120	+164	3.52
7,500	16.90	7.06	0.619	41.0	+174	2.07
10,000	17.67	7.06	0.625	28.1	+178	2.11
12,500	17.70	7.06	0.623	23.1	+178	2.10
15,000	17.65	7.06	0.623	21.9	+179	2.10

Sampling:

Time of Sample Collection: 09:15 am

Method:

	Stainless steel bailer	X	TCL VOCs	602		503	Other: See comments
	Teflon bailer	X	TCL SVOCs				
	Pos. Disp. Pump	X	TAL Metals				
	Disposable bailer	X	Other				
X	Peristaltic pump (Low-flow)						
	Other: Bladder Pump						

Observations

Weather/Temperature: Clear, warm, 73-89°F
Sample description: Clear, no sheen, no odor.
Free Product? yes no X describe
Sheen? yes no X describe
Odor? yes no X describe

Comments: Rate: 500 mL/min. Tubing water volume removed before initial readings were taken. Purge water contained into a 55-gallon drum.

Analyses include: TCL VOCs+10 (8260), TCL SVOCs+20 (8270), unfiltered and laboratory-filtered TAL metals (6010), mercury (7470), cyanide (9010), pesticides (8081), PCBs (8082).

FIELD OBSERVATION LOG
GROUNDWATER SAMPLING RECORD

SITE 25 Field Court, Kingston, NY DATE: 8/29/2018

SAMPLE ID: FCMW-05
WELL ID: FCMW-05
SAMPLERS: Paul Barusich

Depth of well (from top of casing) 25.50 ft.
Initial static water level (from top of casing) 17.05 ft.

Purging Method

Airlift		Centrifugal	
Bailer		Pos. Displ.	
Bladder Pump		Peristaltic Pump	X

Tubing Volume Calculation:
25.5-17.05=8.45'
8.45', R=0.0156 = 183ml.

volume of water removed: 3.96 gal. >3 volumes: yes X no purged dry? yes no X

Field Tests:

Volume of Purge Water (in ml)	Temp (c°)	pH	Conductivity (ms/cm)	Turbidity (NTUs)	ORP	DO (mg/L)
Initial	25.00	6.45	0.528	890	+212	2.39
2,500	16.88	6.49	0.587	200	+217	2.00
5,000	16.99	6.59	0.579	121	+213	2.01
7,500	17.03	6.57	0.579	100	+214	1.40
10,000	17.02	6.67	0.577	33.7	+214	1.37
12,500	17.01	6.66	0.580	30.1	+213	1.40
15,000	17.03	6.66	0.581	31.0	+213	1.41

Sampling:

Time of Sample Collection: 08:00 am

Method:

	Stainless steel bailer		TCL VOCs	Analyses: 602		503	Other: 537
	Teflon bailer		TCL SVOCs				
	Pos. Disp. Pump		TAL Metals				
	Disposable bailer	X	Other				
X	Peristaltic pump (Low-flow)						
	Other: Bladder Pump						

Observations

Weather/Temperature: Clear, warm, 76-92°F
Sample description: Clear, no sheen, no odor.
Free Product? yes no X describe
Sheen? yes no X describe
Odor? yes no X describe

Comments: Rate: 500 mL/min. Tubing water volume removed before initial readings were taken. Purge water contained into a 55-gallon drum.

Analyses include TAL PFAs.

FIELD OBSERVATION LOG
GROUNDWATER SAMPLING RECORD

SITE 25 Field Court, Kingston, NY DATE: 8/7/2018
SAMPLE ID: FCMW-06
WELL ID: FCMW-06
SAMPLERS: Paul Barusich

Depth of well (from top of casing) 26.50 ft.
Initial static water level (from top of casing) 18.60 ft.

Purging Method

Airlift		Centrifugal	
Bailer		Pos. Displ.	
Bladder Pump		Peristaltic Pump	X

Tubing Volume Calculation:
26.50-18.60=7.90'
7.90', R=0.0156 = 171ml.

volume of water removed: 3.96 gal. >3 volumes: yes no X purged dry? yes no X

Field Tests:

Volume of Purge Water (in ml)	Temp (c°)	pH	Conductivity (ms/cm)	Turbidity (NTUs)	ORP	DO (mg/L)
Initial	20.73	6.49	0.669	470	+218	7.66
2,500	20.25	6.50	0.632	129	+234	6.75
5,000	21.70	6.52	0.627	41.7	+239	3.89
7,500	23.91	6.58	0.602	20.1	+241	3.21
10,000	24.32	6.61	0.607	12.0	+243	3.00
12,500	24.55	6.64	0.610	10.7	+244	3.01
15,000	24.60	6.66	0.615	7.90	+242	3.05

Sampling:
Time of Sample Collection: 11:20 pm
Method:

	Stainless steel bailer	X	TCL VOCs
	Teflon bailer		TCL SVOCs
	Pos. Disp. Pump		TAL Metals
	Disposable bailer		Other
X	Peristaltic pump (Low-flow)		
	Other: Bladder Pump		

Analyses: 602 503 Other : 8260

Observations
Weather/Temperature: Clear, warm, 73-89°F
Sample description: Clear, no sheen, no odor.
Free Product? yes no X describe
Sheen? yes no X describe
Odor? yes no X describe
Comments: Rate: 500 mL/min. Tubing water volume removed before initial readings were taken. Purge water contained into a 55-gallon drum.

APPENDIX F

ANALYTICAL DATA TABLES

25 Field Court
Kingston, New York
Summary of Air, Sub-Slab, and Soil Vapor Sample Analytical Results
Volatile Organic Compounds

Sample ID	FCAA-01	FCSS-02A	FCSS-03A	FCSS-01	FCSS-02	FCSS-03	FCSS-04	FCSV-01	FCSV-02	FCSV-03	FCSV-04
Sampling Date	07/11/18	07/11/18	07/11/18	07/11/18	07/11/18	07/11/18	07/11/18	07/11/18	07/11/18	07/11/18	07/11/18
Sample Type	Outdoor	Indoor	Indoor	Sub-Slab	Sub-Slab	Sub-Slab	Sub-Slab	Soil Vapor	Soil Vapor	Soil Vapor	Soil Vapor
Units	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3
1,1,1-Trichloroethane	U	U	U	U	U	U	U	U	U	U	U
1,1,2,2-Tetrachloroethane	U	U	U	U	U	U	U	U	U	U	U
1,1,2-Trichloroethane	U	U	U	U	U	U	U	U	U	U	U
1,1-Dichloroethane	U	U	U	U	U	U	U	U	U	U	U
1,1-Dichloroethene	U	U	U	U	U	U	U	U	U	U	U
1,2,4-Trichlorobenzene	U	U	U	U	U	U	U	U	U	U	U
1,2,4-Trimethylbenzene	0.56 J	0.61 J	0.64 J	U	U	U	U	U	U	U	U
1,2-Dibromoethane	U	U	U	U	U	U	U	U	U	U	U
1,2-Dichlorobenzene	U	U	U	U	U	U	U	U	U	U	U
1,2-Dichloroethane	U	U	U	U	U	U	U	U	U	U	U
1,2-Dichloroethene, Total	U	U	U	U	U	U	U	U	U	U	U
1,2-Dichloropropane	U	U	U	U	U	U	U	U	U	U	U
1,2-Dichlorotetrafluoroethane	U	U	U	U	U	U	U	U	U	U	U
1,3,5-Trimethylbenzene	U	U	0.31 J	U	U	U	U	U	U	U	U
1,3-Butadiene	U	U		U	U	U	U	U	U	U	U
1,3-Dichlorobenzene	U	U	U	U	U	U	U	U	U	U	U
1,4-Dichlorobenzene	U	U	U	U	U	U	U	U	U	U	U
1,4-Dioxane	U	U	U	U	U	U	U	U	U	U	U
2,2,4-Trimethylpentane	0.50 J	U	U	U	U	U	U	U	U	U	U
2-Chlorotoluene		U	U	U	U	U	U	U	U	U	U
3-Chloropropene	U	U	U	U	U	U	U	U	U	U	U
4-Ethyltoluene	U	U	U	U	U	U	U	U	U	U	U
4-Isopropyltoluene	U	0.44 J	U	U	U	U	U	U	U	U	U
Acetone	9.3 J	11 J	22	U	U	U	U	U	U	U	U
Benzene	0.61 J	0.50 J	0.42 J	28 J	U	U	20 J	U	U	U	U
Benzyl Chloride	U	U	U	U	U	U	U	U	U	U	U
Bromodichloromethane	U	U	U	U	U	U	U	U	U	U	U
Bromoethene (Vinyl Bromide)	U	U	U	U	U	U	U	U	U	U	U
Bromoform	U	U	U	U	U	U	U	U	U	U	U
Bromomethane	U	U	U	U	U	U	U	U	U	U	U
Carbon Disulfide	U	U	U	U	U	U	U	U	3.3 J	U	U
Carbon Tetrachloride	0.44	0.42	0.39	U	U	U	U	U	U	U	U

See next page for qualifiers and notes.

25 Field Court
Kingston, New York
Summary of Air, Sub-Slab, and Soil Vapor Sample Analytical Results
Volatile Organic Compounds

Sample ID	FCAA-01	FCSS-02A	FCSS-03A	FCSS-01	FCSS-02	FCSS-03	FCSS-04	FCSV-01	FCSV-02	FCSV-03	FCSV-04
Sampling Date	07/11/18	07/11/18	07/11/18	07/11/18	07/11/18	07/11/18	07/11/18	07/11/18	07/11/18	07/11/18	07/11/18
Sample Type	Outdoor	Indoor	Indoor	Sub-Slab	Sub-Slab	Sub-Slab	Sub-Slab	Soil Vapor	Soil Vapor	Soil Vapor	Soil Vapor
Units	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3
Chlorobenzene	U	U	U	U	U	U	U	U	U	U	U
Chloroethane	U	U	U	U	U	U	U	U	U	U	U
Chloroform	U	U	U	U	U	U	U	U	U	U	U
Chloromethane	1.0	1.0	1.0	U	U	U	U	U	U	U	U
Cis-1,2-Dichloroethene	U	U	U	U	U	U	U	U	U	U	U
Cis-1,3-Dichloropropene	U	U	U	U	U	U	U	U	U	U	U
Cumene	U	U	U	U	U	U	U	U	U	U	U
Cyclohexane	0.41 J	U	U	U	U	U	U	U	2.4 J	U	U
Dibromochloromethane	U	U	U	U	U	U	U	U	U	U	U
Dichlorodifluoromethane	2.3 J	2.8	2.2 J	270 J	U	U	U	U	16 J	U	1,200
Ethylbenzene	0.55 J	0.39 J	0.33 J	42 J	U	U	U	U	U	U	U
Freon 22	1.0 J	1.3 J	1.1 J	U	U	U	U	U	U	U	U
Freon TF	0.51 J	0.53 J	0.49 J	U	U	U	U	U	U	U	U
Hexachlorobutadiene	U	U		U	U	U	U	U	U	U	U
Isopropyl alcohol	U	U	U	U	U	U	U	U	U	U	U
M,P-Xylene	1.5 J	0.82 J	0.53 J	96 J	U	U	U	U	U	U	U
Methyl Butyl Ketone (2-Hexanone)	U	U	U	U	U	U	U	U	U	U	U
Methyl Ethyl Ketone	1.6	U	4.7	U	U	U	U	U	U	U	U
Methyl Isobutyl Ketone	U	U	U	U	U	U	U	U	U	U	U
Methyl Methacrylate	U	U	U	U	U	U	U	U	U	U	U
Methyl ter-butyl ether	0.26 J	U	U	U	U	U	U	U	U	U	U
Methylene Chloride	1.0 J	U	U	U	U	U	U	U	U	U	U
Naphthalene	2.1 J	U	U	U	U	U	U	U	U	U	U
N-butane	3.4	1.9	1.7	U	U	U	57	U	7.2 J	U	U
N-Butylbenzene	U	U	U	U	U	U	U	U	U	U	U
N-Heptane	U	U	U	U	U	U	U	U	U	U	U
N-Hexane	1.5	0.84	0.77	U	U	U	U	U	U	U	U
N-Propylbenzene	U	U	U	U	U	U	U	U	U	U	U
O-Xylene	0.55 J	0.37 J	0.33 J	U	U	U	U	U	U	U	U
Sec-Butylbenzene	U	U	U	U	U	U	U	U	U	U	U
Styrene	U	U	U	U	U	U	U	U	U	U	U
Tert-Butylbenzene	U	U	U	U	U	U	U	U	U	U	U
Tert-Butyl Alcohol	U	U	U	U	U	U	U	U	U	U	U

See next page for qualifiers and notes.

D&B ENGINEERS AND ARCHITECTS, P.C.

25 Field Court
Kingston, New York
Summary of Air, Sub-Slab, and Soil Vapor Sample Analytical Results
Volatile Organic Compounds

Sample ID	FCAA-01	FCSS-02A	FCSS-03A	FCSS-01	FCSS-02	FCSS-03	FCSS-04	FCSV-01	FCSV-02	FCSV-03	FCSV-04
Sampling Date	07/11/18	07/11/18	07/11/18	07/11/18	07/11/18	07/11/18	07/11/18	07/11/18	07/11/18	07/11/18	07/11/18
Sample Type	Outdoor	Indoor	Indoor	Sub-Slab	Sub-Slab	Sub-Slab	Sub-Slab	Soil Vapor	Soil Vapor	Soil Vapor	Soil Vapor
Units	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3
Tetrachloroethene (PCE)	U	2.2 J	11	20,000	13000	38,000	6,800	4,100	1,300	40,000	54,000
Tetrahydrofuran	U	U	U	U	U	U	U	U	U	U	U
Toluene	1.9	1.1	1.0	U	U	U	14 J	U	U	U	U
Trans-1,2-Dichloroethene	U	U	U	U	U	U	U	U	U	U	U
Trans-1,3-Dichloropropene	U	U	U	U	U	U	U	U	U	U	U
Trichloroethene (TCE)	U	U	U	46	120	430	68	110	69	640	200
Trichlorofluoromethane	1.1	1.3	1.2	U	U	U	U	U	U	U	U
Vinyl Chloride	U	U	U	U	U	U	U	U	U	U	U
Xylene (Total)	2.1 J	1.2 J	0.86 J	986 J	U	U	U	U	U	U	U

Qualifiers:
U: Analyzed but not detected
J: Estimated value

Notes:
ug/m^3: Micrograms per cubic meter

25 Field Court
Dry Well Sediment Samples
Volatile Organic Compounds

Sample ID	DWSS-01	DWSS-03	DWSS-04	NYCRR 6 Part 375 Commercial Use Soil Cleanup Objectives (SCO)	NYCRR 6 Part 375 Unrestricted Use Soil Cleanup Objectives (SCO)
Depth (Below Grade)	(5'-6')	(1.5'-2.5')	(9'-10')		
Sampling Date	07/12/18	07/12/18	07/12/18		
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
VOLATILE COMPOUNDS					
1,1,1-Trichloroethane	UJ	UJ	UJ	500,000	680
1,1,2,2-Tetrachloroethane	UJ	UJ	UJ	--	--
1,1,2-Trichloro-1,2,2-trifluoroethane	UJ	UJ	UJ	--	--
1,1,2-Trichloroethane	UJ	UJ	UJ	--	--
1,1-Dichloroethane	UJ	UJ	UJ	240,000	270
1,1-Dichloroethene	UJ	UJ	UJ	500,000	330
1,2,4-Trichlorobenzene	UJ	UJ	UJ	--	--
1,2-Dibromo-3-chloropropane	UJ	UJ	UJ	--	--
1,2-Dibromoethane (EDB)	UJ	UJ	UJ	--	--
1,2-Dichlorobenzene	UJ	UJ	UJ	500,000	1,100
1,2-Dichloroethane	0.37 J	UJ	0.75 J	30,000	20
1,2-Dichloropropane	UJ	UJ	UJ	--	--
1,3-Dichlorobenzene	UJ	UJ	UJ	280,000	2,400
1,4-Dichlorobenzene	UJ	UJ	UJ	130,000	1,800
2-Butanone (MEK)	UJ	7.1 J	18 J	500,000	120
2-Hexanone	UJ	UJ	UJ	--	--
4-Methyl-2-pentanone (MIBK)	UJ	UJ	UJ	--	--
Acetone	UJ	43 J	110 J	500,000	50
Benzene	UJ	UJ	UJ	44,000	60
Bromodichloromethane	UJ	UJ	UJ	--	--
Bromoform	UJ	UJ	UJ	--	--
Bromomethane	U	U	U	--	--
Carbon disulfide	UJ	UJ	UJ	--	--
Carbon tetrachloride	UJ	UJ	UJ	22,000	760
Chlorobenzene	UJ	UJ	UJ	500,000	1,100
Chloroethane	U	U	U	--	--
Chloroform	UJ	UJ	UJ	350,000	370
Chloromethane	UJ	UJ	UJ	--	--
cis-1,2-Dichloroethene	UJ	UJ	UJ	500,000	250
cis-1,3-Dichloropropene	UJ	UJ	UJ	--	--
Cyclohexane	UJ	UJ	UJ	--	--
Dibromochloromethane	UJ	UJ	UJ	--	--
Dichlorodifluoromethane	U	U	U	--	--
Ethylbenzene	UJ	UJ	UJ	390,000	1,000
Isopropylbenzene	UJ	UJ	UJ	--	--
Methyl Acetate	U	U	7.4 J	--	--
Methyl tert-butyl ether	U	U	U	500,000	930
Methylcyclohexane	UJ	UJ	UJ	--	--
Methylene chloride	U	U	U	500,000	50
Styrene	UJ	UJ	UJ	--	--
Tetrachloroethene	1.1 J	UJ	1.9 J	150,000	1,300
Toluene	UJ	UJ	UBJ	500,000	700
trans-1,2-Dichloroethene	UJ	UJ	UJ	500,000	190
trans-1,3-Dichloropropene	UJ	UJ	UJ	--	--
Trichloroethene	UJ	UJ	UJ	200,000	470
Trichlorofluoromethane	UJ	UJ	UJ	--	--
Vinyl chloride	UJ	UJ	UJ	13,000	20
Total Xylene	UJ	UJ	UJ	500,000	260
Total Volatile Compounds	1.47	50.1	138.05	--	--
Tentatively Identified Compounds	201 J	138.5 J	209.6 J		

Footnotes/Qualifiers:

ug/kg: Microgram per kilogram

--: No standard

U: Analyzed for but not detected

J: Estimated value or limit

UB: Non detect based on blank results

Exceeds Unrestricted Use SCO

25 Field Court
Dry Well Sediment Samples
Semivolatile Organic Compounds

Sample ID	DWSS-01	DWSS-03	DWSS-04	NYCRR 6 Part 375	NYCRR 6 Part 375
Depth (Below Grade)	(5'-6')	(1.5'-2.5')	(9'-10')	Commercial	Unrestricted
Sampling Date	07/12/18	07/12/18	07/12/18	Use Soil Cleanup Objectives (SCO)	Use Soil Cleanup Objectives (SCO)
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
SEMIVOLATILE COMPOUNDS					
2,4,5-Trichlorophenol	U	R	U	--	--
2,4,6-Trichlorophenol	U	R	U	--	--
2,4-Dichlorophenol	U	R	U	--	--
2,4-Dimethylphenol	U	R	U	--	--
2,4-Dinitrophenol	U	R	U	--	--
2,4-Dinitrotoluene	U	R	U	--	--
2,6-Dinitrotoluene	U	R	U	--	--
2-Chloronaphthalene	U	R	U	--	--
2-Chlorophenol	U	R	U	--	--
2-Methylnaphthalene	U	R	U	--	--
2-Methylphenol	U	R	U	500,000	330
2-Nitroaniline	U	R	U	--	--
2-Nitrophenol	U	R	U	--	--
3,3-Dichlorobenzidine	U	R	U	--	--
3-Nitroaniline	U	R	U	--	--
4,6-Dinitro-2-methylphenol	U	R	U	--	--
4-Bromophenyl-phenylether	U	R	U	--	--
4-Chloro-3-methylphenol	U	R	U	--	--
4-Chloroaniline	U	R	U	--	--
4-Chlorophenylphenyl ether	U	R	U	--	--
4-Methylphenol	U	R	U	--	--
4-Nitroaniline	U	R	U	--	--
4-Nitrophenol	U	R	U	--	--
Acenaphthene	U	R	U	500,000	20,000
Acenaphthylene	U	R	U	500,000	100,000
Acetophenone	U	R	U	--	--
Anthracene	U	R	U	500,000	100,000
Atrazine	U	R	U	--	--
Benzaldehyde	U	R	U	--	--
Benzo(a)anthracene	U	R	U	5,600	1,000
Benzo(a)pyrene	U	R	U	1,000	1,000
Benzo(b)fluoranthene	U	R	U	5,600	1,000
Benzo(ghi)perylene	U	R	U	500,000	100,000
Benzo(k)fluoranthene	U	R	U	56,000	800
Biphenyl	U	R	U	--	--
Bis(2-chloroisopropyl)ether	U	R	U	--	--
Bis(2-chloroethoxy)methane	U	R	U	--	--
Bis(2-chloroethyl)ether	U	R	U	--	--
Bis(2-ethylhexyl)phthalate (BEHP)	U	R	91 J	--	--
Benzyl butyl phthalate	U	R	U	--	--
Caprolactam	U	R	U	--	--
Carbazole	U	R	U	--	--
Chrysene	U	R	U	56,000	1,000
Dibenzo(a,h)anthracene	U	R	U	560	330
Dibenzofuran	U	R	U	350,000	7,000
Diethyl phthalate	U	R	U	--	--
Dimethyl phthalate	U	R	U	--	--
Di-n-butyl phthalate	U	R	U	--	--
Di-n-octyl phthalate	U	R	U	--	--
Fluoranthene	U	R	U	500,000	100,000

Next page for footnotes

25 Field Court
Dry Well Sediment Samples
Semivolatile Organic Compounds

Sample ID	DWSS-01	DWSS-03	DWSS-04	NYCRR 6 Part 375	NYCRR 6 Part 375
Depth (Below Grade)	(5'-6')	(1.5'-2.5')	(9'-10')	Commercial	Unrestricted
Sampling Date	07/12/18	07/12/18	07/12/18	Use Soil Cleanup Objectives (SCO)	Use Soil Cleanup Objectives (SCO)
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
COMPOUNDS CONTINUED					
Fluorene	U	R	U	500,000	30,000
Hexachlorobenzene	U	R	U	6,000	330
Hexachlorobutadiene	U	R	U	--	--
Hexachlorocyclopentadiene	U	R	U	--	--
Hexachloroethane	U	R	U	--	--
Indeno(1,2,3-cd)pyrene	U	R	U	5,600	500
Isophorone	U	R	U	--	--
Naphthalene	U	R	39 J	500,000	12,000
Nitrobenzene	U	R	U	69,000	--
N-Nitroso-di-n-propylamine	U	R	U	--	--
N-Nitrosodiphenylamine	U	R	U	--	--
Pentachlorophenol	U	R	U	6,700	800
Phenanthrene	U	R	U	500,000	100,000
Phenol	U	R	U	500,000	330
Pyrene	U	R	U	500,000	100,000
Total Semivolatile Compounds	0	0	130	--	--
Tentatively Identified Compounds	3900 J	0	3300 J	--	--

Footnotes/Qualifiers:

ug/kg: Microgram per kilogram
--: No standard
U: Analyzed for but not detected
J: Estimated value or limit
R: Unusable limit based on surrogate results.

25 Field Court
Dry Well Sediment Samples
Pesticides and Polychlorinated Biphenyls (PCBs)

Sample ID	DWSS-03		NYCRR 6 Part 375 Commercial Use Soil Cleanup Objectives (SCO)	NYCRR 6 Part 375 Unrestricted Use Soil Cleanup Objectives (SCO)
Depth (Below Grade)	(1.5'-2.5')			
Sampling Date	07/12/18			
Units	ug/kg		ug/kg	ug/kg
PESTICIDES				
4,4'-DDD		R	92,000	3.3
4,4'-DDE		R	62,000	3.3
4,4'-DDT		R	47,000	3.3
Aldrin		R	680	5
alpha BHC		R	3,400	20
alpha Chlordane		R	24,000	94
beta-BHC		R	3,000	36
delta-BHC		R	500,000	40
Dieldrin		R	1,400	5
Endosulfan I		R	200,000	2,400
Endosulfan II		R	200,000	2,400
Endosulfan sulfate		R	200,000	2,400
Endrin		R	89,000	14
Endrin aldehyde		R	--	--
Endrin ketone		R	--	--
gamma-BHC (Lindane)		R	9,200	100
gamma Chlordane		R	24,000	94
Heptachlor		R	15,000	42
Heptachlor epoxide		R	--	--
Methoxychlor		R	--	--
Toxaphene		R	--	--
PCBS				
Aroclor 1016		U	1,000	100
Aroclor 1221		U	1,000	100
Aroclor 1232		U	1,000	100
Aroclor 1242		U	1,000	100
Aroclor 1248	260		1,000	100
Aroclor 1254		U	1,000	100
Aroclor 1260		U	1,000	100
Total PCBs	260			

Footnotes/Qualifiers:

ug/kg: Microgram per kilogram
--: No standard
U: Analyzed for but not detected
R: Unusable limit based on surrogate results.
Exceeds Unrestricted Use SCO

25 Field Court
Dry Well Sediment Samples
Metals

Sample ID Depth (Below Grade) Sampling Date Units	DWSS-03 (1.5'-2.5') 07/12/18 mg/kg	NYCRR 6 Part 375 Commercial Use Soil Cleanup Objectives (SCO) mg/Kg	NYCRR 6 Part 375 Unrestricted Use Soil Cleanup Objectives (SCO) mg/Kg
METALS			
Aluminum	9330	--	--
Antimony	UJ	--	--
Arsenic	8.9	16	13
Barium	93.4 J	400	350
Beryllium	0.52	590	7.2
Cadmium	0.41	9.3	2.5
Calcium	66700 J	--	--
Chromium	26.4	1,500	30
Cobalt	7.4	--	--
Copper	123 J	270	50
Cyanide	UJ	27	27
Iron	16600	--	--
Lead	107	1,000	63
Magnesium	5490 J	--	--
Manganese	286	10,000	1,600
Mercury	0.073	2.8	0.18
Nickel	26.00	310	30
Potassium	2560 J	--	--
Selenium	U	1,500	3.9
Silver	U	1,500	2
Sodium	121 J	--	--
Thallium	U	--	--
Vanadium	32.0 J	--	--
Zinc	164 J	10,000	109

Footnotes/Qualifiers:

mg/kg: Milligram per kilogram
--: Not analyzed or no standard
U: Analyzed for but not detected
J: Estimated value or limit
Exceeded unrestricted use SCO

25 Field Court
Shallow and Subsurface Soil Samples
Volatile Organic Compounds

Sample ID	FCSS-01A	FCSB-01	FCSB-01	FCSB-02	FCSB-02	FCSB-03	FCSB-03	FCSB-04	NYCRR 6 Part 375	NYCRR 6 Part 375	NYCRR 6 Part 375
Depth	(0"-2")	(4"-10")	(16'-18')	(8"-14")	(15.5'-17.5')	(0'-0.5')	(17'-19')	(0'-1.5')	Unrestricted Use SCO	Protection Of Groundwater SCO	Commercial Use SCO
Sampling Date	07/13/18	07/13/18	07/13/18	07/13/18	07/13/18	07/16/18	07/16/18	07/20/18			
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
VOLATILE COMPOUNDS											
1,1,1-Trichloroethane	UJ	UJ	UJ	U	U	U	U	U	680	680	500,000
1,1,2,2-Tetrachloroethane	UJ	UJ	UJ	U	U	U	U	UJ	--	600	--
1,1,2-Trichloro-1,2,2-trifluoroethane	UJ	UJ	UJ	U	U	U	U	U	--	--	--
1,1,2-Trichloroethane	UJ	UJ	UJ	U	U	U	U	U	--	--	--
1,1-Dichloroethane	UJ	UJ	UJ	U	U	U	U	U	270	270	240,000
1,1-Dichloroethene	UJ	UJ	UJ	U	U	U	U	U	330	330	500,000
1,2,4-Trichlorobenzene	UJ	UJ	UJ	U	U	U	U	U	--	3,400	--
1,2-Dibromo-3-chloropropane	UJ	UJ	UJ	U	U	U	U	UJ	--	--	--
1,2-Dibromoethane (EDB)	UJ	UJ	UJ	U	U	U	U	UJ	--	--	--
1,2-Dichlorobenzene	UJ	UJ	UJ	U	U	U	U	U	1,100	1,100	500,000
1,2-Dichloroethane	0.40 J	UJ	0.44 J	0.6 J	0.36 J	0.17 J	0.41 J	UJ	20	20	30,000
1,2-Dichloropropane	UJ	UJ	UJ	U	U	U	U	U	--	--	--
1,3-Dichlorobenzene	UJ	UJ	UJ	U	U	U	U	U	2,400	2,400	280,000
1,4-Dichlorobenzene	UJ	UJ	UJ	U	U	U	U	U	1,800	1,800	130,000
2-Butanone (MEK)	UJ	UJ	9.2 J	17 J	12 J	U	5.7 J	1.0 J	120	300	500,000
2-Hexanone	UJ	UJ	UJ	U	U	U	U	U	--	--	--
4-Methyl-2-pentanone (MIBK)	UJ	UJ	UJ	U	U	U	U	UJ	--	1,000	--
Acetone	23 J	*67 J*	*64 J*	*73*	*65*	24	45	UBJ	50	50	500,000
Benzene	UJ	UJ	UJ	U	U	U	U	U	60	60	44,000
Bromodichloromethane	UJ	UJ	UJ	U	U	U	U	U	--	--	--
Bromoform	UJ	UJ	UJ	U	U	U	U	U	--	--	--
Bromomethane	U	U	U	U	U	U	U	U	--	--	--
Carbon disulfide	UJ	UJ	UJ	U	U	U	U	U	--	2,700	--
Carbon tetrachloride	UJ	UJ	UJ	U	U	U	U	U	760	760	22,000
Chlorobenzene	UJ	UJ	UJ	U	U	U	U	U	1,100	1,100	500,000
Chloroethane	U	U	U	U	U	U	U	UJ	--	--	--
Chloroform	UJ	UJ	UJ	U	U	U	U	U	370	370	350,000
Chloromethane	UJ	UJ	UJ	U	U	U	U	U	--	--	--
cis-1,2-Dichloroethene	UJ	UJ	UJ	U	U	U	U	U	250	250	500,000
cis-1,3-Dichloropropene	UJ	UJ	UJ	U	U	U	U	U	--	--	--
Cyclohexane	UJ	UJ	UJ	U	U	U	U	U	--	--	--
Dibromochloromethane	UJ	UJ	UJ	U	U	U	U	U	--	--	--
Dichlorodifluoromethane	U	U	U	U	U	U	U	U	--	--	--
Ethylbenzene	UJ	UJ	UJ	U	U	U	U	U	1,000	1,000	390,000

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25 Field Court
Shallow and Subsurface Soil Samples
Volatile Organic Compounds

Sample ID	FCSS-01A	FCSB-01	FCSB-01	FCSB-02	FCSB-02	FCSB-03	FCSB-03	FCSB-04	NYCRR 6 Part 375	NYCRR 6 Part 375	NYCRR 6 Part 375
Depth	(0"-2")	(4"-10")	(16'-18')	(8"-14")	(15.5'-17.5')	(0'-0.5')	(17'-19')	(0'-1.5')	Unrestricted Use SCO	Protection Of Groundwater SCO	Commercial Use SCO
Sampling Date	07/13/18	07/13/18	07/13/18	07/13/18	07/13/18	07/16/18	07/16/18	07/20/18			
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
COMPOUNDS CONTINUED											
Isopropylbenzene	UJ	UJ	UJ	7.7 J	U	U	U	U	--	2,300	--
Methyl Acetate	U	U	U	U	9.7 J	3.3 J	20	U	--	--	--
Methyl tert-butyl ether	U	U	U	U	U	U	U	U	930	930	500,000
Methylcyclohexane	UJ	UJ	UJ	U	U	U	U	U	--	--	--
Methylene chloride	U	U	U	U	U	U	U	U	50	50	500,000
Styrene	UJ	UJ	UJ	U	U	U	U	U	--	--	--
Tetrachloroethene	UJ	2.8 J	2.4 J	2.0 J	5.3	U	8.3	3.3	1,300	1,300	150,000
Toluene	UJ	UJ	UJ	0.58 J	0.43 J	U	0.52 J	U	700	700	500,000
trans-1,2-Dichloroethene	UJ	UJ	UJ	U	U	U	U	U	190	190	500,000
trans-1,3-Dichloropropene	UJ	UJ	UJ	U	U	U	U	U	--	--	--
Trichloroethene	UJ	UJ	UJ	U	U	U	U	U	470	470	200,000
Trichlorofluoromethane	UJ	UJ	UJ	U	U	U	U	U	--	--	--
Vinyl chloride	UJ	UJ	UJ	U	U	U	U	U	20	20	13,000
Total Xylene	UJ	UJ	UJ	U	U	U	U	U	260	1,600	500,000
Total Volatile Compounds	23.4	69.8	76.04	100.9	92.79	27.47	79.93	4.3	--	--	--
Tentatively Identified Compounds	115.9 J	210 J	115.9 J	73 J	33 J	3.3 J	45 J	14 J	--	--	--

Footnotes/Qualifiers:

ug/kg: Microgram per kilogram
--: Not analyzed or no standard
SCO: Soil Cleanup Objective
Exceeds Unrestricted Use SCO
Exceeds Commercial Use SCO
Exceeds Protection of Groundwater SCO

J: Estimated value or limit
U: Analyzed for but not detected
UB: Non detected based on blank results

25 Field Court
Shallow and Subsurface Soil Samples
Volatile Organic Compounds

Sample ID	FCSB-04	FCSB-05	FCSB-05	FCSB-05	FCSB-06	FCSB-06	FCSB-07	FCSB-07	NYCRR 6 Part 375	NYCRR 6 Part 375	NYCRR 6 Part 375
Depth	(17.5'-19.5')	(1'-1.5')	(15.5'-17')	(18'-19.5')	(0'-0.5')	(20'-22')	(4"-10")	(17'-19')	Unrestricted Use SCO	Protection Of Groundwater SCO	Commercial Use SCO
Sampling Date	07/20/18	07/19/18	07/19/18	07/19/18	07/13/18	07/13/18	07/13/18	07/13/18			
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
VOLATILE COMPOUNDS											
1,1,1-Trichloroethane	U	U	U	U	UJ	UJ	UJ	UJ	680	680	500,000
1,1,2,2-Tetrachloroethane	UJ	UJ	UJ	UJ	UJ	UJ	UJ	UJ	--	600	--
1,1,2-Trichloro-1,2,2-trifluoroethane	U	U	U	U	UJ	UJ	UJ	UJ	--	--	--
1,1,2-Trichloroethane	U	U	U	U	UJ	UJ	UJ	UJ	--	--	--
1,1-Dichloroethane	U	U	U	U	UJ	UJ	UJ	UJ	270	270	240,000
1,1-Dichloroethene	U	U	U	U	UJ	UJ	UJ	UJ	330	330	500,000
1,2,4-Trichlorobenzene	U	U	U	U	UJ	UJ	UJ	UJ	--	3,400	--
1,2-Dibromo-3-chloropropane	UJ	UJ	UJ	UJ	UJ	UJ	UJ	UJ	--	--	--
1,2-Dibromoethane (EDB)	UJ	UJ	UJ	UJ	UJ	UJ	UJ	UJ	--	--	--
1,2-Dichlorobenzene	U	U	U	U	UJ	UJ	UJ	UJ	1,100	1,100	500,000
1,2-Dichloroethane	0.21 J	0.27 J	0.18 J	0.30 J	0.37 J	0.71 J	0.30 J	0.48 J	20	20	30,000
1,2-Dichloropropane	U	U	U	U	UJ	UJ	UJ	UJ	--	--	--
1,3-Dichlorobenzene	U	U	U	U	UJ	UJ	UJ	UJ	2,400	2,400	280,000
1,4-Dichlorobenzene	U	U	U	U	UJ	UJ	UJ	UJ	1,800	1,800	130,000
2-Butanone (MEK)	4.3 J	10 J	5.8 J	6.2 J	UJ	25 J	8.3 J	9.7 J	120	300	500,000
2-Hexanone	U	U	U	U	UJ	UJ	UJ	UJ	--	--	--
4-Methyl-2-pentanone (MIBK)	UJ	UJ	UJ	UJ	UJ	UJ	UJ	UJ	--	1,000	--
Acetone	UBJ	42 J	UBJ	UBJ	*66 J*	*110 J*	*60 J*	48 J	50	50	500,000
Benzene	U	U	U	U	UJ	UJ	UJ	UJ	60	60	44,000
Bromodichloromethane	U	U	U	U	UJ	UJ	UJ	UJ	--	--	--
Bromoform	U	U	U	U	UJ	UJ	UJ	UJ	--	--	--
Bromomethane	U	U	U	U	U	U	U	U	--	--	--
Carbon disulfide	U	U	U	U	UJ	UJ	UJ	UJ	--	2,700	--
Carbon tetrachloride	U	U	U	U	UJ	UJ	UJ	UJ	760	760	22,000
Chlorobenzene	U	U	U	U	UJ	UJ	UJ	UJ	1,100	1,100	500,000
Chloroethane	UJ	UJ	UJ	UJ	U	U	U	U	--	--	--
Chloroform	U	U	U	U	UJ	UJ	UJ	UJ	370	370	350,000
Chloromethane	U	U	U	U	UJ	UJ	UJ	UJ	--	--	--
cis-1,2-Dichloroethene	U	U	U	U	UJ	UJ	UJ	UJ	250	250	500,000
cis-1,3-Dichloropropene	U	U	U	U	UJ	UJ	UJ	UJ	--	--	--
Cyclohexane	U	U	U	U	UJ	UJ	UJ	UJ	--	--	--
Dibromochloromethane	U	U	U	U	UJ	UJ	UJ	UJ	--	--	--
Dichlorodifluoromethane	U	U	U	U	U	U	U	U	--	--	--
Ethylbenzene	U	U	U	U	UJ	UJ	UJ	UJ	1,000	1,000	390,000

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25 Field Court
Shallow and Subsurface Soil Samples
Volatile Organic Compounds

Sample ID	FCSB-04	FCSB-05	FCSB-05	FCSB-05	FCSB-06	FCSB-06	FCSB-07	FCSB-07	NYCRR 6 Part 375	NYCRR 6 Part 375	NYCRR 6 Part 375
Depth	(17.5'-19.5')	(1'-1.5')	(15.5'-17')	(18'-19.5')	(0'-0.5')	(20'-22')	(4"-10")	(17'-19')	Unrestricted Use SCO	Protection Of Groundwater SCO	Commercial Use SCO
Sampling Date	07/20/18	07/19/18	07/19/18	07/19/18	07/13/18	07/13/18	07/13/18	07/13/18			
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
COMPOUNDS CONTINUED											
Isopropylbenzene	U	U	U	U	UJ	UJ	UJ	UJ	--	2,300	--
Methyl Acetate	1.9 J	U	U	3.7 J	U	8.7 J	U	4.9 J	--	--	--
Methyl tert-butyl ether	U	U	U	U	U	U	U	U	930	930	500,000
Methylcyclohexane	U	U	U	U	UJ	UJ	UJ	UJ	--	--	--
Methylene chloride	U	U	U	U	U	U	U	U	50	50	500,000
Styrene	U	U	U	U	UJ	UJ	UJ	UJ	--	--	--
Tetrachloroethene	31	26	31	49	39 J	20 J	UJ	5.3 J	1,300	1,300	150,000
Toluene	0.27 J	U	0.21 J	0.28 J	UJ	UBJ	UJ	UBJ	700	700	500,000
trans-1,2-Dichloroethene	U	U	U	U	UJ	UJ	UJ	UJ	190	190	500,000
trans-1,3-Dichloropropene	U	U	U	U	UJ	UJ	UJ	UJ	--	--	--
Trichloroethene	0.62 J	U	0.98 J	1.1 J	UJ	8.4 J	UJ	UJ	470	470	200,000
Trichlorofluoromethane	U	U	U	U	UJ	UJ	UJ	UJ	--	--	--
Vinyl chloride	U	U	U	U	UJ	UJ	UJ	UJ	20	20	13,000
Total Xylene	U	U	U	U	UJ	UJ	UJ	UJ	260	1,600	500,000
Total Volatile Compounds	38.3	78.27	38.17	60.58	105.4	172.8	68.6	68.38	--	--	--
Tentatively Identified Compounds	3.0 J	4.6 J	4.9 J	0	178.9 J	242 J	65 J	48 J	--	--	--

Footnotes/Qualifiers:

ug/kg: Microgram per kilogram
--: Not analyzed or no standard
SCO: Soil Cleanup Objective
Exceeds Unrestricted Use SCO
Exceeds Commercial Use SCO
Exceeds Protection of Groundwater SCO

J: Estimated value or limit
U: Analyzed for but not detected
UB: Non detected based on blank results

25 Field Court
Shallow and Subsurface Soil Samples
Volatile Organic Compounds

Sample ID	FCSB-08	FCSB-08	FCSB-09	FCSB-09	FCSB-10	FCSB-10	FCSB-12	FCSB-12	NYCRR 6 Part 375	NYCRR 6 Part 375	NYCRR 6 Part 375
Depth	(0'-0.5')	(16.5'-18.5')	(0'-0.5')	(21.5'-23.5')	(0'-0.5')	(16.5'-18.5')	(0-0.5')	(20'-22')	Unrestricted Use SCO	Protection Of Groundwater SCO	Commercial Use SCO
Sampling Date	07/17/18	07/17/18	07/18/18	07/18/18	07/19/18	07/19/18	07/13/18	07/13/18			
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
VOLATILE COMPOUNDS											
1,1,1-Trichloroethane	U	U	U	U	U	U	UJ	UJ	680	680	500,000
1,1,2,2-Tetrachloroethane	U	U	UJ	UJ	UJ	UJ	UJ	UJ	--	600	--
1,1,2-Trichloro-1,2,2-trifluoroethane	U	U	U	U	U	U	UJ	UJ	--	--	--
1,1,2-Trichloroethane	U	U	U	U	U	U	UJ	UJ	--	--	--
1,1-Dichloroethane	U	U	U	U	U	U	UJ	UJ	270	270	240,000
1,1-Dichloroethene	U	U	U	U	U	U	UJ	UJ	330	330	500,000
1,2,4-Trichlorobenzene	U	U	U	U	U	U	UJ	UJ	--	3,400	--
1,2-Dibromo-3-chloropropane	U	U	UJ	UJ	UJ	UJ	UJ	UJ	--	--	--
1,2-Dibromoethane (EDB)	U	U	UJ	UJ	UJ	UJ	UJ	UJ	--	--	--
1,2-Dichlorobenzene	U	U	U	U	U	U	UJ	UJ	1,100	1,100	500,000
1,2-Dichloroethane	0.16 J	0.41 J	0.26 J	0.32 J	0.47 J	0.48 J	UJ	0.34 J	20	20	30,000
1,2-Dichloropropane	U	U	U	U	U	U	UJ	UJ	--	--	--
1,3-Dichlorobenzene	U	U	U	U	U	U	UJ	UJ	2,400	2,400	280,000
1,4-Dichlorobenzene	U	U	U	U	U	U	UJ	UJ	1,800	1,800	130,000
2-Butanone (MEK)	3.0 J	13 J	2.5 J	8.0 J	16 J	21 J	3.8 J	9.6 J	120	300	500,000
2-Hexanone	U	U	U	U	U	U	UJ	UJ	--	--	--
4-Methyl-2-pentanone (MIBK)	U	U	UJ	UJ	UJ	UJ	UJ	UJ	--	1,000	--
Acetone	22	43	24 J	UBJ	*58 J*	*56 J*	*84 J*	*68 J*	50	50	500,000
Benzene	U	U	U	U	U	U	UJ	UJ	60	60	44,000
Bromodichloromethane	U	U	U	U	U	U	UJ	UJ	--	--	--
Bromoform	U	U	U	U	U	U	UJ	UJ	--	--	--
Bromomethane	U	U	U	U	U	U	U	U	--	--	--
Carbon disulfide	U	U	U	U	U	U	UJ	UJ	--	2,700	--
Carbon tetrachloride	U	U	U	U	U	U	UJ	UJ	760	760	22,000
Chlorobenzene	U	U	U	U	U	U	UJ	UJ	1,100	1,100	500,000
Chloroethane	U	U	UJ	UJ	UJ	UJ	U	U	--	--	--
Chloroform	U	U	U	U	U	U	UJ	UJ	370	370	350,000
Chloromethane	U	U	U	U	U	U	UJ	UJ	--	--	--
cis-1,2-Dichloroethene	U	U	U	U	U	U	UJ	UJ	250	250	500,000
cis-1,3-Dichloropropene	U	U	U	U	U	U	UJ	UJ	--	--	--
Cyclohexane	U	U	U	U	U	U	UJ	UJ	--	--	--
Dibromochloromethane	U	U	U	U	U	U	UJ	UJ	--	--	--
Dichlorodifluoromethane	U	U	U	U	U	U	U	U	--	--	--
Ethylbenzene	U	U	U	U	U	U	UJ	UJ	1,000	1,000	390,000

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25 Field Court
Shallow and Subsurface Soil Samples
Volatile Organic Compounds

Sample ID	FCSB-08	FCSB-08	FCSB-09	FCSB-09	FCSB-10	FCSB-10	FCSB-12	FCSB-12	NYCRR 6 Part 375	NYCRR 6 Part 375	NYCRR 6 Part 375
Depth	(0'-0.5')	(16.5'-18.5')	(0'-0.5')	(21.5'-23.5')	(0'-0.5')	(16.5'-18.5')	(0-0.5')	(20'-22')	Unrestricted Use SCO	Protection Of Groundwater SCO	Commercial Use SCO
Sampling Date	07/17/18	07/17/18	07/18/18	07/18/18	07/19/18	07/19/18	07/13/18	07/13/18			
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
COMPOUNDS CONTINUED											
Isopropylbenzene	U	U	U	U	U	U	UJ	UJ	--	2,300	--
Methyl Acetate	4.8 J	6.0 J	U	0.39 J	5.0 J	9.4 J	U	3.3 J	--	--	--
Methyl tert-butyl ether	U	U	U	U	U	U	U	U	930	930	500,000
Methylcyclohexane	U	U	U	U	U	U	UJ	UJ	--	--	--
Methylene chloride	U	U	U	U	U	U	U	U	50	50	500,000
Styrene	U	U	U	U	U	U	UJ	UJ	--	--	--
Tetrachloroethene	U	5.0	3.3	42	20	22	42 J	41 J	1,300	1,300	150,000
Toluene	U	0.48 J	U	0.37 J	0.39 J	0.48 J	UJ	UJ	700	700	500,000
trans-1,2-Dichloroethene	U	U	U	U	U	U	UJ	UJ	190	190	500,000
trans-1,3-Dichloropropene	U	U	U	U	U	U	UJ	UJ	--	--	--
Trichloroethene	U	U	U	1.0 J	U	0.68 J	UJ	UJ	470	470	200,000
Trichlorofluoromethane	U	U	U	U	U	U	UJ	UJ	--	--	--
Vinyl chloride	U	U	U	U	U	U	UJ	UJ	20	20	13,000
Total Xylene	U	U	U	U	U	U	UJ	UJ	260	1,600	500,000
Total Volatile Compounds	29.96	67.89	30.06	52.08	99.9	110.04	129.8	122.24	--	--	--
Tentatively Identified Compounds	19 J	4.9 J	7.6 J	2.8 J	6.3 J	4.7 J	80 J	45 J	--	--	--

Footnotes/Qualifiers:

ug/kg: Microgram per kilogram
--: Not analyzed or no standard
SCO: Soil Cleanup Objective
Exceeds Unrestricted Use SCO
Exceeds Commercial Use SCO
Exceeds Protection of Groundwater SCO

J: Estimated value or limit
U: Analyzed for but not detected
UB: Non detected based on blank results

25 Field Court
Shallow and Subsurface Soil Samples
Volatile Organic Compounds

Sample ID	FCSB-13	FCSB-14	FCSB-15	FCSB-16	FCSB-17	NYCRR 6 Part 375	NYCRR 6 Part 375	NYCRR 6 Part 375
Depth	(0.5'-2.5')	(0.5'-2.5')	(0.5'-2.5')	(0.5'-2.5')	(6'-7')	Unrestricted	Protection Of	Commercial
Sampling Date	07/12/18	07/12/18	07/12/18	07/12/18	07/16/18	Use SCO	Groundwater SCO	Use SCO
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
VOLATILE COMPOUNDS								
1,1,1-Trichloroethane	U	U	U	U	U	680	680	500,000
1,1,2,2-Tetrachloroethane	U	U	U	U	U	--	600	--
1,1,2-Trichloro-1,2,2-trifluoroethane	U	U	U	U	U	--	--	--
1,1,2-Trichloroethane	U	U	U	U	U	--	--	--
1,1-Dichloroethane	U	U	U	U	U	270	270	240,000
1,1-Dichloroethene	U	U	U	U	U	330	330	500,000
1,2,4-Trichlorobenzene	U	U	U	U	U	--	3,400	--
1,2-Dibromo-3-chloropropane	U	U	U	U	U	--	--	--
1,2-Dibromoethane (EDB)	U	U	U	U	U	--	--	--
1,2-Dichlorobenzene	U	U	U	U	U	1,100	1,100	500,000
1,2-Dichloroethane	U	U	U	U	0.13 J	20	20	30,000
1,2-Dichloropropane	U	U	U	U	U	--	--	--
1,3-Dichlorobenzene	U	U	U	U	U	2,400	2,400	280,000
1,4-Dichlorobenzene	U	U	U	U	U	1,800	1,800	130,000
2-Butanone (MEK)	U	U	U	U	2.4 J	120	300	500,000
2-Hexanone	U	U	U	U	U	--	--	--
4-Methyl-2-pentanone (MIBK)	U	U	U	U	U	--	1,000	--
Acetone	U	U	U	U	15	50	50	500,000
Benzene	U	U	U	U	U	60	60	44,000
Bromodichloromethane	U	U	U	U	U	--	--	--
Bromoform	U	U	U	U	U	--	--	--
Bromomethane	U	U	U	U	U	--	--	--
Carbon disulfide	U	U	U	U	U	--	2,700	--
Carbon tetrachloride	U	U	U	U	U	760	760	22,000
Chlorobenzene	U	U	U	U	U	1,100	1,100	500,000
Chloroethane	U	U	U	U	U	--	--	--
Chloroform	U	U	U	U	U	370	370	350,000
Chloromethane	U	U	U	U	U	--	--	--
cis-1,2-Dichloroethene	U	U	U	U	U	250	250	500,000
cis-1,3-Dichloropropene	U	U	U	U	U	--	--	--
Cyclohexane	U	U	U	U	U	--	--	--
Dibromochloromethane	U	U	U	U	U	--	--	--
Dichlorodifluoromethane	U	U	U	U	U	--	--	--
Ethylbenzene	U	U	U	U	U	1,000	1,000	390,000

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25 Field Court
Shallow and Subsurface Soil Samples
Volatile Organic Compounds

Sample ID	FCSB-13	FCSB-14	FCSB-15	FCSB-16	FCSB-17	NYCRR 6 Part 375	NYCRR 6 Part 375	NYCRR 6 Part 375
Depth	(0.5'-2.5')	(0.5'-2.5')	(0.5'-2.5')	(0.5'-2.5')	(6'-7')	Unrestricted	Protection Of	Commercial
Sampling Date	07/12/18	07/12/18	07/12/18	07/12/18	07/16/18	Use SCO	Groundwater SCO	Use SCO
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
COMPOUNDS CONTINUED								
Isopropylbenzene	U	U	U	U	U	--	2,300	--
Methyl Acetate	U	U	U	U	U	--	--	--
Methyl tert-butyl ether	U	U	U	U	U	930	930	500,000
Methylcyclohexane	U	U	U	U	U	--	--	--
Methylene chloride	U	U	U	U	U	50	50	500,000
Styrene	U	U	U	U	U	--	--	--
Tetrachloroethene	*3500*	*1300*	*7500*	*8900*	1.0 J	1,300	1,300	150,000
Toluene	U	U	U	U	U	700	700	500,000
trans-1,2-Dichloroethene	U	U	U	U	U	190	190	500,000
trans-1,3-Dichloropropene	U	U	U	U	U	--	--	--
Trichloroethene	U	19 J	61 J	110 J	U	470	470	200,000
Trichlorofluoromethane	U	U	U	U	U	--	--	--
Vinyl chloride	U	U	U	U	U	20	20	13,000
Total Xylene	U	U	U	U	U	260	1,600	500,000
Total Volatile Compounds	3500	1319	7561	9010	18.53	--	--	--
Tentatively Identified Compounds	640 J	500 J	1100 J	0	24 J	--	--	--

Footnotes/Qualifiers:

ug/kg: Microgram per kilogram
--: Not analyzed or no standard
SCO: Soil Cleanup Objective
Exceeds Unrestricted Use SCO
Exceeds Commercial Use SCO
Exceeds Protection of Groundwater SCO

J: Estimated value or limit
U: Analyzed for but not detected
UB: Non detected based on blank results

25 Field Court
Shallow and Subsurface Soil Samples
Semi-Volatile Organic Compounds

Sample ID	FCSB-01	FCSB-01	FCSB-02	FCSB-02	FCSB-03	FCSB-03	FCSB-04	NYCRR 6 Part 375	NYCRR 6 Part 375	NYCRR 6 Part 375
Depth	(4"-10")	(16'-18')	(8"-14")	(15.5'-17.5')	(0'-1.5')	(17'-19')	(0'-1.5')	Unrestricted Use SCO	Protection Of Groundwater SCO	Commercial Use SCO
Sampling Date	07/13/18	07/13/18	07/13/18	07/13/18	07/16/18	07/16/18	07/20/18			
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
SEMIVOLATILE COMPOUNDS										
2,4,5-Trichlorophenol	U	U	U	U	U	U	U	--	100	--
2,4,6-Trichlorophenol	U	U	U	U	U	U	U	--	--	--
2,4-Dichlorophenol	U	U	U	U	U	U	U	--	400	--
2,4-Dimethylphenol	U	U	U	U	U	U	U	--	--	--
2,4-Dinitrophenol	U	U	U	U	U	U	U	--	200	--
2,4-Dinitrotoluene	U	U	U	U	U	U	U	--	--	--
2,6-Dinitrotoluene	U	U	U	U	U	U	U	--	1,000	--
2-Chloronaphthalene	U	U	U	U	U	U	U	--	--	--
2-Chlorophenol	U	U	U	U	U	U	U	--	--	--
2-Methylnaphthalene	53 J	U	U	U	U	U	U	--	36,400	--
2-Methylphenol	U	U	U	U	U	U	U	330	330	500,000
2-Nitroaniline	U	U	U	U	U	U	U	--	400	--
2-Nitrophenol	U	U	U	U	U	U	U	--	300	--
3,3-Dichlorobenzidine	U	U	U	U	U	U	U	--	--	--
3-Nitroaniline	U	U	U	U	U	U	U	--	500	--
4,6-Dinitro-2-methylphenol	U	U	U	U	U	U	U	--	--	--
4-Bromophenyl-phenylether	U	U	U	U	U	U	U	--	--	--
4-Chloro-3-methylphenol	U	U	U	U	U	U	U	--	--	--
4-Chloroaniline	U	U	U	U	U	U	U	--	220	--
4-Chlorophenylphenyl ether	U	U	U	U	U	U	U	--	--	--
4-Methylphenol	U	U	U	U	U	U	U	--		--
4-Nitroaniline	U	U	U	U	U	U	U	--	--	--
4-Nitrophenol	U	U	U	U	U	U	U	--	100	--
Acenaphthene	U	U	U	U	U	U	U	20,000	98,000	500,000
Acenaphthylene	51 J	U	U	U	U	U	U	100,000	107,000	500,000
Acetophenone	U	U	U	U	U	U	U	--	--	--
Anthracene	U	U	U	U	U	U	U	100,000	1,000,000	500,000
Atrazine	U	U	U	U	U	U	U	--	--	--
Benzaldehyde	U	U	U	U	U	U	U	--	--	--
Benzo(a)anthracene	260	U	39 J	U	U	U	U	1,000	1,000	5,600
Benzo(a)pyrene	270	U	30 J	U	U	U	U	1,000	22,000	1,000
Benzo(b)fluoranthene	370	U	U	U	U	U	U	1,000	1,700	5,600
Benzo(ghi)perylene	180 J	U	19 J	U	U	U	U	100,000	1,000,000	500,000
Benzo(k)fluoranthene	160 J	U	U	U	U	U	U	800	1,700	56,000
Biphenyl	U	U	U	U	U	U	U	--	--	--

Next page for footnotes

25 Field Court
Shallow and Subsurface Soil Samples
Semi-Volatile Organic Compounds

Sample ID	FCSB-01	FCSB-01	FCSB-02	FCSB-02	FCSB-03	FCSB-03	FCSB-04	NYCRR 6 Part 375	NYCRR 6 Part 375	NYCRR 6 Part 375
Depth	(4"-10")	(16'-18')	(8"-14")	(15.5'-17.5')	(0'-1.5')	(17'-19')	(0'-1.5')	Unrestricted Use SCO	Protection Of Groundwater SCO	Commercial Use SCO
Sampling Date	07/13/18	07/13/18	07/13/18	07/13/18	07/16/18	07/16/18	07/20/18			
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
COMPOUNDS CONTINUED										
Bis(2-chloroisopropyl)ether	U	U	U	U	U	U	U	--	--	--
Bis(2-chloroethoxy)methane	U	U	U	U	U	U	U	--	--	--
Bis(2-chloroethyl)ether	U	U	U	U	U	U	U	--	--	--
Bis(2-ethylhexyl)phthalate (BEHP)	U	U	U	U	U	U	U	--	435,000	--
Benzyl butyl phthalate	U	U	U	U	U	U	U	--	122,000	--
Caprolactam	U	U	U	U	U	U	U	--	--	--
Carbazole	30 J	U	U	U	U	U	U	--	--	--
Chrysene	320	U	42 J	U	U	U	U	1,000	1,000	56,000
Dibenzo(a,h)anthracene	U	U	U	U	U	U	U	330	1,000,000	560
Dibenzofuran	U	U	U	U	U	U	U	7,000	6,200	350,000
Diethyl phthalate	U	U	U	U	U	U	U	--	7,100	--
Dimethyl phthalate	U	U	U	U	U	U	U	--	27,000	--
Di-n-butyl phthalate	U	U	U	U	U	U	U	--	8,100	--
Di-n-octyl phthalate	U	U	U	U	U	U	U	--	120,000	--
Fluoranthene	430	U	72 J	U	U	U	U	100,000	1,000,000	500,000
Fluorene	U	U	U	U	U	U	U	30,000	386,000	500,000
Hexachlorobenzene	U	U	U	U	U	U	U	330	1,400	6,000
Hexachlorobutadiene	U	U	U	U	U	U	U	--	--	--
Hexachlorocyclopentadiene	U	U	U	U	U	U	U	--	--	--
Hexachloroethane	U	U	U	U	U	U	U	--	--	--
Indeno(1,2,3-cd)pyrene	170 J	U	31 J	U	U	U	U	500	8,200	5,600
Isophorone	U	U	U	U	U	U	U	--	4,400	--
Naphthalene	110 J	U	U	U	U	UB	U	12,000	12,000	500,000
Nitrobenzene	U	U	U	U	U	U	U	--	170	69,000
N-Nitroso-di-n-propylamine	U	U	U	U	U	U	U	--	--	--
N-Nitrosodiphenylamine	U	U	U	U	U	U	U	--	--	--
Pentachlorophenol	U	U	U	U	U	U	U	800	800	6,700
Phenanthrene	240	U	42 J	U	U	30	U	100,000	1,000,000	500,000
Phenol	U	U	U	U	U	U	U	330	330	500,000
Pyrene	340	U	56 J	U	U	U	U	100,000	1,000,000	500,000
Tetraethyl lead	--	--	--	--	--	--	--	--	--	--
Total Semivolatile Compounds	2984	0	331	0	0	30	0	--	--	--
Tentatively Identified Compounds	6300 J	3340 J	3120 J	3600 J	5400 J	4800 J	0	--	--	--

Footnotes/Qualifiers:

ug/kg: Microgram per kilogram
--: Not analyzed or no standard
Exceeds Unrestricted Use SCO
Exceeds Commercial Use SCO
Exceeds Protection of Groundwater SCO

SCO: Soil Cleanup Objective
J: Estimated value or limit
U: Analyzed for but not detected
UB: Non detected based on blank results

25 Field Court
Shallow and Subsurface Soil Samples
Semi-Volatile Organic Compounds

Sample ID	FCSB-04	FCSB-05	FCSB-05	FCSB-05	FCSB-06	FCSB-06	FCSB-07	FCSB-07	NYCRR 6 Part 375	NYCRR 6 Part 375	NYCRR 6 Part 375
Depth	(17.5'-19.5')	(1'-1.5')	(15.5'-17')	(18'-19.5')	(0'-0.5')	(20'-22')	(4"-10")	(17'-19')	Unrestricted Use SCO	Protection Of Groundwater SCO	Commercial Use SCO
Sampling Date	07/20/18	07/19/18	07/19/18	07/19/18	07/13/18	07/13/18	07/13/18	07/13/18			
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
SEMIVOLATILE COMPOUNDS											
2,4,5-Trichlorophenol	U	U	U	U	U	U	U	U	--	100	--
2,4,6-Trichlorophenol	U	U	U	U	U	U	U	U	--	--	--
2,4-Dichlorophenol	U	U	U	U	U	U	U	U	--	400	--
2,4-Dimethylphenol	U	U	U	U	U	U	U	U	--	--	--
2,4-Dinitrophenol	U	U	U	U	U	U	U	U	--	200	--
2,4-Dinitrotoluene	U	U	U	U	U	U	U	U	--	--	--
2,6-Dinitrotoluene	U	U	U	U	U	U	U	U	--	1,000	--
2-Chloronaphthalene	U	U	U	U	U	U	U	U	--	--	--
2-Chlorophenol	U	U	U	U	U	U	U	UJ	--	--	--
2-Methylnaphthalene	U	U	U	U	U	68 J	U	U	--	36,400	--
2-Methylphenol	U	U	U	U	U	U	U	UJ	330	330	500,000
2-Nitroaniline	U	U	U	U	U	U	U	U	--	400	--
2-Nitrophenol	U	U	U	U	U	U	U	U	--	300	--
3,3-Dichlorobenzidine	U	U	U	U	U	U	U	U	--	--	--
3-Nitroaniline	U	U	U	U	U	U	U	U	--	500	--
4,6-Dinitro-2-methylphenol	U	U	U	U	U	U	U	U	--	--	--
4-Bromophenyl-phenylether	U	U	U	U	U	U	U	U	--	--	--
4-Chloro-3-methylphenol	U	U	U	U	U	U	U	U	--	--	--
4-Chloroaniline	U	U	U	U	U	U	U	U	--	220	--
4-Chlorophenylphenyl ether	U	U	U	U	U	U	U	U	--	--	--
4-Methylphenol	U	U	U	U	U	U	U	UJ	--		--
4-Nitroaniline	U	U	U	U	U	U	U	U	--	--	--
4-Nitrophenol	U	U	U	U	U	U	U	U	--	100	--
Acenaphthene	U	U	U	U	U	U	U	U	20,000	98,000	500,000
Acenaphthylene	U	U	U	U	2000 J	150 J	U	U	100,000	107,000	500,000
Acetophenone	U	U	U	U	U	U	U	UJ	--	--	--
Anthracene	U	U	U	U	990 J	89 J	U	U	100,000	1,000,000	500,000
Atrazine	U	U	U	U	U	U	U	U	--	--	--
Benzaldehyde	U	U	U	U	U	U	U	UJ	--	--	--
Benzo(a)anthracene	U	590 J	U	U	4900	500	130 J	U	1,000	1,000	5,600
Benzo(a)pyrene	U	590 J	U	U	**4800**	490	U	U	1,000	22,000	1,000
Benzo(b)fluoranthene	U	1200 J	U	U	**8400**	790	U	U	1,000	1,700	5,600
Benzo(ghi)perylene	U	690 J	U	U	3400	320	U	U	100,000	1,000,000	500,000
Benzo(k)fluoranthene	U	U	U	U	3400	330	U	U	800	1,700	56,000
Biphenyl	U	U	U	U	U	U	U	U	--	--	--

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25 Field Court
Shallow and Subsurface Soil Samples
Semi-Volatile Organic Compounds

Sample ID	FCSB-04	FCSB-05	FCSB-05	FCSB-05	FCSB-06	FCSB-06	FCSB-07	FCSB-07	NYCRR 6 Part 375	NYCRR 6 Part 375	NYCRR 6 Part 375
Depth	(17.5'-19.5')	(1'-1.5')	(15.5'-17')	(18'-19.5')	(0'-0.5')	(20'-22')	(4"-10")	(17'-19')	Unrestricted Use SCO	Protection Of Groundwater SCO	Commercial Use SCO
Sampling Date	07/20/18	07/19/18	07/19/18	07/19/18	07/13/18	07/13/18	07/13/18	07/13/18			
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
COMPOUNDS CONTINUED											
Bis(2-chloroisopropyl)ether	U	U	U	U	U	U	U	U	--	--	--
Bis(2-chloroethoxy)methane	U	U	U	U	U	U	U	U	--	--	--
Bis(2-chloroethyl)ether	U	U	U	U	U	U	U	UJ	--	--	--
Bis(2-ethylhexyl)phthalate (BEHP)	U	U	U	U	U	U	U	U	--	435,000	--
Benzyl butyl phthalate	U	U	U	U	U	U	U	U	--	122,000	--
Caprolactam	U	U	U	U	U	U	U	U	--	--	--
Carbazole	U	U	U	U	410 J	49 J	U	U	--	--	--
Chrysene	U	U	U	U	6400	650	U	U	1,000	1,000	56,000
Dibenzo(a,h)anthracene	U	U	U	U	U	U	U	U	330	1,000,000	560
Dibenzofuran	U	U	U	U	320 J	26 J	U	U	7,000	6,200	350,000
Diethyl phthalate	U	U	U	U	U	U	U	U	--	7,100	--
Dimethyl phthalate	U	U	U	U	U	U	U	U	--	27,000	--
Di-n-butyl phthalate	U	U	U	U	U	U	U	U	--	8,100	--
Di-n-octyl phthalate	U	U	U	U	U	U	U	U	--	120,000	--
Fluoranthene	U	760 J	U	U	8200	840	190 J	U	100,000	1,000,000	500,000
Fluorene	U	U	U	U	U	U	U	U	30,000	386,000	500,000
Hexachlorobenzene	U	U	U	U	U	U	U	U	330	1,400	6,000
Hexachlorobutadiene	U	U	U	U	U	U	U	U	--	--	--
Hexachlorocyclopentadiene	U	U	U	U	U	U	U	U	--	--	--
Hexachloroethane	U	U	U	U	U	U	U	UJ	--	--	--
Indeno(1,2,3-cd)pyrene	U	760 J	U	U	3500	320	130 J	U	500	8,200	5,600
Isophorone	U	U	U	U	U	U	U	U	--	4,400	--
Naphthalene	U	U	U	U	U	210	210 J	U	12,000	12,000	500,000
Nitrobenzene	U	U	U	U	U	U	U	U	--	170	69,000
N-Nitroso-di-n-propylamine	U	U	U	U	U	U	U	UJ	--	--	--
N-Nitrosodiphenylamine	U	U	U	U	U	U	U	U	--	--	--
Pentachlorophenol	U	U	U	U	U	U	U	U	800	800	6,700
Phenanthrene	U	U	U	U	2400	270	U	U	100,000	1,000,000	500,000
Phenol	U	U	U	U	U	U	U	UJ	330	330	500,000
Pyrene	U	650 J	U	U	6500	730	160 J	U	100,000	1,000,000	500,000
Tetraethyl lead	--	--	--	--	--	--	--	--	--	--	--
Total Semivolatile Compounds	0	5240	0	0	55620	5832	820	0	--	--	--
Tentatively Identified Compounds	1810 J	8200 J	7900 J	4800 J	19700 J	4940 J	2590 J	2190 J	--	--	--

Footnotes/Qualifiers:

ug/kg: Microgram per kilogram
--: Not analyzed or no standard
Exceeds Unrestricted Use SCO
Exceeds Commercial Use SCO
Exceeds Protection of Groundwater SCO

SCO: Soil Cleanup Objective
J: Estimated value or limit
U: Analyzed for but not detected
UB: Non detected based on blank results

25 Field Court
Shallow and Subsurface Soil Samples
Semi-Volatile Organic Compounds

Sample ID	FCSB-08	FCSB-08	FCSB-09	FCSB-09	FCSB-10	FCSB-10	FCSB-12	FCSB-12	NYCRR 6 Part 375 Unrestricted Use SCO	NYCRR 6 Part 375 Protection Of Groundwater SCO	NYCRR 6 Part 375 Commercial Use SCO
Depth	(0'-0.5')	(16.5'-18.5')	(0'-0.5')	(21.5'-23.5')	(0'-0.5')	(16.5'-18.5')	(0'-0.5')	(20'-22')			
Sampling Date	07/17/18	07/17/18	07/18/18	07/18/18	07/19/18	07/19/18	07/13/18	07/13/18			
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
SEMIVOLATILE COMPOUNDS											
2,4,5-Trichlorophenol	U	U	U	U	U	U	U	U	--	100	--
2,4,6-Trichlorophenol	U	U	U	U	U	U	U	U	--	--	--
2,4-Dichlorophenol	U	U	U	U	U	U	U	U	--	400	--
2,4-Dimethylphenol	U	U	U	U	U	U	U	U	--	--	--
2,4-Dinitrophenol	U	U	U	U	U	U	U	U	--	200	--
2,4-Dinitrotoluene	U	U	U	U	U	U	U	U	--	--	--
2,6-Dinitrotoluene	U	U	U	U	U	U	U	U	--	1,000	--
2-Chloronaphthalene	U	U	U	U	U	U	U	U	--	--	--
2-Chlorophenol	U	U	U	U	U	U	U	U	--	--	--
2-Methylnaphthalene	U	U	U	U	U	U	U	U	--	36,400	--
2-Methylphenol	U	U	U	U	U	U	U	U	330	330	500,000
2-Nitroaniline	U	U	U	U	U	U	U	U	--	400	--
2-Nitrophenol	U	U	U	U	U	U	U	U	--	300	--
3,3-Dichlorobenzidine	U	U	U	U	U	U	U	U	--	--	--
3-Nitroaniline	U	U	U	U	U	U	U	U	--	500	--
4,6-Dinitro-2-methylphenol	U	U	U	U	U	U	U	U	--	--	--
4-Bromophenyl-phenylether	U	U	U	U	U	U	U	U	--	--	--
4-Chloro-3-methylphenol	U	U	U	U	U	U	U	U	--	--	--
4-Chloroaniline	U	U	U	U	U	U	U	U	--	220	--
4-Chlorophenylphenyl ether	U	U	U	U	U	U	U	U	--	--	--
4-Methylphenol	U	U	U	U	U	U	U	U	--		--
4-Nitroaniline	U	U	U	U	U	U	U	U	--	--	--
4-Nitrophenol	U	U	U	U	U	U	U	U	--	100	--
Acenaphthene	U	U	230 J	U	U	U	U	U	20,000	98,000	500,000
Acenaphthylene	U	U	140 J	U	U	U	1100 J	U	100,000	107,000	500,000
Acetophenone	U	U	U	U	U	U	U	U	--	--	--
Anthracene	U	U	1600	U	U	U	560 J	U	100,000	1,000,000	500,000
Atrazine	U	U	U	U	U	U	U	U	--	--	--
Benzaldehyde	U	U	U	U	U	U	U	U	--	--	--
Benzo(a)anthracene	U	U	**8100**	U	U	U	3100	45 J	1,000	1,000	5,600
Benzo(a)pyrene	U	U	**8600**	U	U	U	**3400**	42 J	1,000	22,000	1,000
Benzo(b)fluoranthene	U	U	**11000**	U	U	U	**5800**	53 J	1,000	1,700	5,600
Benzo(ghi)perylene	U	U	6700	U	U	U	2600	32 J	100,000	1,000,000	500,000
Benzo(k)fluoranthene	U	U	4200	U	U	U	2400	38 J	800	1,700	56,000
Biphenyl	U	U	U	U	U	U	U	U	--	--	--

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25 Field Court
Shallow and Subsurface Soil Samples
Semi-Volatile Organic Compounds

Sample ID	FCSB-08	FCSB-08	FCSB-09	FCSB-09	FCSB-10	FCSB-10	FCSB-12	FCSB-12	NYCRR 6 Part 375	NYCRR 6 Part 375	NYCRR 6 Part 375
Depth	(0'-0.5')	(16.5'-18.5')	(0'-0.5')	(21.5'-23.5')	(0'-0.5')	(16.5'-18.5')	(0'-0.5')	(20'-22')	Unrestricted Use SCO	Protection Of Groundwater SCO	Commercial Use SCO
Sampling Date	07/17/18	07/17/18	07/18/18	07/18/18	07/19/18	07/19/18	07/13/18	07/13/18			
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
COMPOUNDS CONTINUED											
Bis(2-chloroisopropyl)ether	U	U	U	U	U	U	U	U	--	--	--
Bis(2-chloroethoxy)methane	U	U	U	U	U	U	U	U	--	--	--
Bis(2-chloroethyl)ether	U	U	U	U	U	U	U	U	--	--	--
Bis(2-ethylhexyl)phthalate (BEHP)	U	U	U	U	U	U	U	U	--	435,000	--
Benzyl butyl phthalate	U	U	U	U	U	U	U	U	--	122,000	--
Caprolactam	U	U	U	U	U	U	U	U	--	--	--
Carbazole	U	U	1400	U	U	U	U	U	--	--	--
Chrysene	U	U	9000	U	U	U	3900	51 J	1,000	1,000	56,000
Dibenzo(a,h)anthracene	U	U	U	U	U	U	U	U	330	1,000,000	560
Dibenzofuran	U	U	280 J	U	U	U	U	U	7,000	6,200	350,000
Diethyl phthalate	U	U	U	U	U	U	U	U	--	7,100	--
Dimethyl phthalate	U	U	U	U	U	U	U	U	--	27,000	--
Di-n-butyl phthalate	U	U	U	U	U	U	U	U	--	8,100	--
Di-n-octyl phthalate	U	U	U	U	U	U	U	U	--	120,000	--
Fluoranthene	U	U	12000	U	U	U	4600	64 J	100,000	1,000,000	500,000
Fluorene	U	U	U	U	U	U	U	U	30,000	386,000	500,000
Hexachlorobenzene	U	U	U	U	U	U	U	U	330	1,400	6,000
Hexachlorobutadiene	U	U	U	U	U	U	U	U	--	--	--
Hexachlorocyclopentadiene	U	U	U	U	U	U	U	U	--	--	--
Hexachloroethane	U	U	U	U	U	U	U	U	--	--	--
Indeno(1,2,3-cd)pyrene	U	U	**6000**	U	U	U	2600	41 J	500	8,200	5,600
Isophorone	U	U	U	U	U	U	U	U	--	4,400	--
Naphthalene	U	U	U	U	U	U	U	46 J	12,000	12,000	500,000
Nitrobenzene	U	U	U	U	U	U	U	U	--	170	69,000
N-Nitroso-di-n-propylamine	U	U	U	U	U	U	U	U	--	--	--
N-Nitrosodiphenylamine	U	U	U	U	U	U	U	U	--	--	--
Pentachlorophenol	U	U	U	U	U	U	U	U	800	800	6,700
Phenanthrene	U	U	7800	U	U	U	1200 J	29 J	100,000	1,000,000	500,000
Phenol	U	U	U	U	U	U	U	U	330	330	500,000
Pyrene	U	U	11000	U	U	U	4400	63 J	100,000	1,000,000	500,000
Tetraethyl lead	--	--	--	--	--	--	--	--	--	--	--
Total Semivolatile Compounds	0	0	88050	0	0	0	35660	504	--	--	--
Tentatively Identified Compounds	7000 J	5800 J	43890 J	5040 J	4000 J	4380 J	5600 J	4510 J	--	--	--

Footnotes/Qualifiers:

ug/kg: Microgram per kilogram
--: Not analyzed or no standard
Exceeds Unrestricted Use SCO
Exceeds Commercial Use SCO
Exceeds Protection of Groundwater SCO

SCO: Soil Cleanup Objective
J: Estimated value or limit
U: Analyzed for but not detected
UB: Non detected based on blank results

25 Field Court
Shallow and Subsurface Soil Samples
Semi-Volatile Organic Compounds

Sample ID Depth Sampling Date Units	FCSB-13 (0.5'-2.5') 07/12/18 ug/kg	FCSB-14 (0.5'-2.5') 07/12/18 ug/kg	FCSB-15 (0.5'-2.5') 07/12/18 ug/kg	FCSB-16 (0.5'-2.5') 07/12/18 ug/kg	FCSB-17 (6'-7') 07/16/18 ug/kg	NYCRR 6 Part 375 Unrestricted Use SCO ug/kg	NYCRR 6 Part 375 Protection Of Groundwater SCO ug/kg	NYCRR 6 Part 375 Commercial Use SCO ug/kg
SEMIVOLATILE COMPOUNDS								
2,4,5-Trichlorophenol	U	U	U	U	U	--	100	--
2,4,6-Trichlorophenol	U	U	U	U	U	--	--	--
2,4-Dichlorophenol	U	U	U	U	U	--	400	--
2,4-Dimethylphenol	U	U	U	U	U	--	--	--
2,4-Dinitrophenol	U	U	U	U	U	--	200	--
2,4-Dinitrotoluene	U	U	U	U	U	--	--	--
2,6-Dinitrotoluene	U	U	U	U	U	--	1,000	--
2-Chloronaphthalene	U	U	U	U	U	--	--	--
2-Chlorophenol	U	U	U	U	U	--	--	--
2-Methylnaphthalene	U	U	U	U	U	--	36,400	--
2-Methylphenol	U	U	U	U	U	330	330	500,000
2-Nitroaniline	U	U	U	U	U	--	400	--
2-Nitrophenol	U	U	U	U	U	--	300	--
3,3-Dichlorobenzidine	U	U	U	U	U	--	--	--
3-Nitroaniline	U	U	U	U	U	--	500	--
4,6-Dinitro-2-methylphenol	U	U	U	U	U	--	--	--
4-Bromophenyl-phenylether	U	U	U	U	U	--	--	--
4-Chloro-3-methylphenol	U	U	U	U	U	--	--	--
4-Chloroaniline	U	U	U	U	U	--	220	--
4-Chlorophenylphenyl ether	U	U	U	U	U	--	--	--
4-Methylphenol	U	U	U	U	U	--		--
4-Nitroaniline	U	U	U	U	U	--	--	--
4-Nitrophenol	U	U	U	U	U	--	100	--
Acenaphthene	U	U	U	U	U	20,000	98,000	500,000
Acenaphthylene	30 J	U	U	U	U	100,000	107,000	500,000
Acetophenone	U	U	U	U	U	--	--	--
Anthracene	U	U	U	U	U	100,000	1,000,000	500,000
Atrazine	U	U	U	U	U	--	--	--
Benzaldehyde	U	U	U	U	U	--	--	--
Benzo(a)anthracene	120 J	U	U	U	U	1,000	1,000	5,600
Benzo(a)pyrene	140 J	U	U	U	U	1,000	22,000	1,000
Benzo(b)fluoranthene	160 J	U	U	U	U	1,000	1,700	5,600
Benzo(ghi)perylene	110 J	U	29 J	U	U	100,000	1,000,000	500,000
Benzo(k)fluoranthene	100 J	U	U	U	U	800	1,700	56,000
Biphenyl	U	U	U	U	U	--	--	--

Next page for footnotes

25 Field Court
Shallow and Subsurface Soil Samples
Semi-Volatile Organic Compounds

Sample ID	FCSB-13	FCSB-14	FCSB-15	FCSB-16	FCSB-17	NYCRR 6 Part 375	NYCRR 6 Part 375	NYCRR 6 Part 375
Depth	(0.5'-2.5')	(0.5'-2.5')	(0.5'-2.5')	(0.5'-2.5')	(6'-7')	Unrestricted Use SCO	Protection Of Groundwater SCO	Commercial Use SCO
Sampling Date	07/12/18	07/12/18	07/12/18	07/12/18	07/16/18			
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
COMPOUNDS CONTINUED								
Bis(2-chloroisopropyl)ether	U	U	U	U	U	--	--	--
Bis(2-chloroethoxy)methane	U	U	U	U	U	--	--	--
Bis(2-chloroethyl)ether	U	U	U	U	U	--	--	--
Bis(2-ethylhexyl)phthalate (BEHP)	UB	UB	UB	1200 J	U	--	435,000	--
Benzyl butyl phthalate	120 J	U	U	U	U	--	122,000	--
Caprolactam	U	U	U	U	U	--	--	--
Carbazole	U	U	U	U	U	--	--	--
Chrysene	140 J	U	U	U	U	1,000	1,000	56,000
Dibenzo(a,h)anthracene	U	U	U	U	U	330	1,000,000	560
Dibenzofuran	U	U	U	U	U	7,000	6,200	350,000
Diethyl phthalate	UB	220 J	U	440 J	U	--	7,100	--
Dimethyl phthalate	U	U	U	U	U	--	27,000	--
Di-n-butyl phthalate	U	U	U	U	33 J	--	8,100	--
Di-n-octyl phthalate	U	U	U	U	U	--	120,000	--
Fluoranthene	170 J	130 J	40 J	U	U	100,000	1,000,000	500,000
Fluorene	U	U	U	U	U	30,000	386,000	500,000
Hexachlorobenzene	U	U	U	U	U	330	1,400	6,000
Hexachlorobutadiene	U	U	U	U	U	--	--	--
Hexachlorocyclopentadiene	U	U	U	U	U	--	--	--
Hexachloroethane	U	U	U	U	U	--	--	--
Indeno(1,2,3-cd)pyrene	110 J	120 J	34 J	U	U	500	8,200	5,600
Isophorone	U	U	U	U	U	--	4,400	--
Naphthalene	U	U	U	U	U	12,000	12,000	500,000
Nitrobenzene	U	U	U	U	U	--	170	69,000
N-Nitroso-di-n-propylamine	U	U	U	U	U	--	--	--
N-Nitrosodiphenylamine	U	U	U	U	U	--	--	--
Pentachlorophenol	U	U	U	U	U	800	800	6,700
Phenanthrene	91 J	U	U	U	U	100,000	1,000,000	500,000
Phenol	U	U	U	U	U	330	330	500,000
Pyrene	170 J	120 J	36 J	U	U	100,000	1,000,000	500,000
Tetraethyl lead	--	--	--	--	U	--	--	--
Total Semivolatile Compounds	1461	590	139	1640	33	--	--	--
Tentatively Identified Compounds	3210 J	4200 J	4740 J	2700 J	4300 J	--	--	--

Footnotes/Qualifiers:

ug/kg: Microgram per kilogram
--: Not analyzed or no standard
Exceeds Unrestricted Use SCO
Exceeds Commercial Use SCO
Exceeds Protection of Groundwater SCO

SCO: Soil Cleanup Objective
J: Estimated value or limit
U: Analyzed for but not detected
UB: Non detected based on blank results

25 Field Court
Shallow and Subsurface Soil Samples
Pesticides and Polychlorinated Biphenyls (PCBs)

Sample ID Depth Sampling Date Units	FCSB-04 (17.5'-19.5') 07/20/18 ug/kg	FCSB-05 (15.5'-17') 07/19/18 ug/kg	FCSB-08 (16.5'-18.5') 07/17/18 ug/kg	FCSB-09 (21.5'-23.5') 07/18/18 ug/kg	FCSB-10 (16.5'-18.5') 07/19/18 ug/kg	FCSB-12 (20'-22') 07/13/18 ug/kg	FCSB-13 (0.5'-2.5') 07/12/18 ug/kg	NYCRR 6 Part 375 Unrestricted Use SCO ug/kg	NYCRR 6 Part 375 Protection Of Groundwater ug/kg	NYCRR 6 Part 375 Commercial Use SCO ug/kg
PESTICIDES										
4,4'-DDD	U	U	U	U	U	0.40 J	R	3.3	14,000	92,000
4,4'-DDE	U	U	U	U	U	U	R	3.3	17,000	62,000
4,4'-DDT	U	U	U	U	U	U	R	3.3	136,000	47,000
Aldrin	U	U	U	U	U	U	R	5	190	680
alpha BHC	U	U	U	U	U	U	R	20	20	3,400
alpha Chlordane	U	U	U	U	U	U	R	94	2,900	24,000
beta-BHC	U	U	R	U	U	R	R	36	90	3,000
delta-BHC	UB	U	U	U	UB	U	R	40	250	500,000
Dieldrin	U	U	U	U	U	U	R	5	100	1,400
Endosulfan I	U	U	R	U	U	R	R	2,400	102,000	200,000
Endosulfan II	U	U	R	U	U	R	R	2,400	102,000	200,000
Endosulfan sulfate	U	U	U	U	U	U	R	2,400	1,000,000	200,000
Endrin	U	U	R	U	U	R	R	14	60	89,000
Endrin aldehyde	U	U	U	U	U	U	R	--	--	--
Endrin ketone	U	U	U	U	U	U	R	--	--	--
gamma-BHC (Lindane)	UB	U	U	UB	UB	U	R	100	100	9,200
gamma Chlordane	U	U	U	U	U	U	11 JL	94	14,000	24,000
Heptachlor	U	U	U	U	U	U	R	42	380	15,000
Heptachlor epoxide	U	U	U	U	U	U	R	--	20	--
Methoxychlor	U	U	R	U	U	R	R	--	900,000	--
Toxaphene	U	U	U	U	U	U	R	--	--	--
PCBS										
Aroclor 1016	U	U	U	U	U	U	U	100	3,200	1,000
Aroclor 1221	U	U	U	U	U	U	U	100	3,200	1,000
Aroclor 1232	U	U	U	U	U	U	U	100	3,200	1,000
Aroclor 1242	U	U	U	U	U	U	U	100	3,200	1,000
Aroclor 1248	U	U	U	U	U	U	U	100	3,200	1,000
Aroclor 1254	U	U	U	U	U	U	U	100	3,200	1,000
Aroclor 1260	U	U	U	U	U	U	U	100	3,200	1,000
Total PCBs	0	0	0	0	0	0	0			

Footnotes/Qualifiers:

ug/kg: Microgram per kilogram
--: Not analyzed or no standard
J: Estimated value or limit
L: Bias low
U: Analyzed for but not detected
UB: Non detected based on blank results
R: Unusable detection limit based on lab QC
SCO: Soil Cleanup Objective

Exceeded unrestricted use SCO
Exceeds Commercial Use SCO
Exceeds Protection of Groundwater SCO

D&B Engineers and Architects, P.C.

25 Field Court
Shallow and Subsurface Soil Samples
Metals

Sample ID	FCSB-04	FCSB-05	FCSB-08	FCSB-09	FCSB-10	FCSB-12	FCSB-13	NYCRR 6 Part 375	NYCRR 6 Part 375	NYCRR 6 Part 375
Depth	(17.5'-19.5')	(15.5'-17')	(16.5'-18.5')	(21.5'-23.5')	(16.5'-18.5')	(20'-22')	(0.5'-2.5')	Unrestricted Use SCO	Protection Of Groundwater	Commercial Use SCO
Sampling Date	07/20/18	07/19/18	07/17/18	07/18/18	07/19/18	07/13/18	07/12/18			
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/Kg	mg/Kg	mg/Kg
METALS										
Aluminum	7330 J	7660	7250 J	6020	8150	7070	9670	--	--	--
Antimony	UJ	U	1.7 J	U	UJ	UJ	UJ	--	--	--
Arsenic	3.4 J	3.7	3.4 J	3.3	6.8 J	6.5	5.9	13	16	16
Barium	39.2 J	37.9	38.0 J	23.9	50.4 J	44.4 J	102 J	350	820	400
Beryllium	0.39	0.35	0.35	0.30	0.40	0.43	0.44	7.2	47	590
Cadmium	0.15 J	U	0.11 J	U	0.14 J	0.16 J	1.7	2.5	7.5	9.3
Calcium	337 J	1790 J	309 J	253 J	339 J	1980 J	3540 J	--	--	--
Chromium	12.5 J	10.5	8.9 J	7.6	9.9 J	18.5	13.9	30	--	1,500
Cobalt	6.6	5.2	6.2	4.4	6.3	7.2	6.6	--	--	--
Copper	24.4	10.7	10.8	8.5	10.1	62.6 J	38.5 J	50	1,720	270
Cyanide	UJ	U	U	U	UBJ	UJ	U	27	40	27
Iron	15000	13600	13900	12700	16100	21800	15800	--	--	--
Lead	7.4 J	8.8	6.8 J	6.1	8.6 J	62.0	190	63	450	1,000
Magnesium	2440 J	2930 J	2550 J	2310 J	2740 J	2210 J	2400 J	--	--	--
Manganese	486	534	427	309	445	525	425	1,600	2,000	10,000
Mercury	U	U	U	U	U	U	0.25	0.18	0.73	2.8
Nickel	18.1 J	15.3	15.5 J	12.1	17.4 J	19.9	19.1	30	130	310
Potassium	1180 J	1290	1230 J	1080	1400 J	1050 J	1160 J	--	--	--
Selenium	U	U	U	U	U	U	0.91 J	3.9	4	1,500
Silver	U	U	U	U	U	U	U	2	8.3	1,500
Sodium	38.8 J	UB	32.7 J	UB	46.0 J	44.2 J	62.4 J	--	--	--
Thallium	U	U	U	U	U	U	U	--	--	--
Vanadium	10.2 J	11.4	10.3 J	9.0	12.2 J	12.2 J	17.2 J	--	--	--
Zinc	39.5 J	37.2	40.3 J	33.2	40.2 J	57.2 J	341 J	109	2,480	10,000

Footnotes/Qualifiers:

mg/kg: Milligram per kilogram
--: Not analyzed or no standard
U: Analyzed for but not detected
J: Estimated value or limit
SCO: Soil Cleanup Objective

25 Field Court
Discrete Depth Groundwater Samples
Volatile Organic Compounds

Sample ID	FCGP-01	FCGP-02	FCGP-02	FCGP-02	FCGP-02	FCGP-03	FCGP-04	FCGP-06	NYSDEC
Sample Depth (BG)	(26'-30')	(26'-30')	(36'-40')	(46'-50')	(52'-58')	(26'-30')	(25'-29')	(25'-29')	Class GA
Sampling Date	7/17/2018	7/18/2018	7/18/2018	7/18/2018	7/18/2018	7/19/2018	7/19/2018	7/19/2018	Standard or
Dilution Factor	1	2	4	2	2	4	4	1	Guidance Value
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
VOLATILE COMPOUNDS									
1,1,1-Trichloroethane	U	U	U	U	U	U	U	U	5
1,1,2,2-Tetrachloroethane	U	U	U	U	U	U	U	U	5
1,1,2-Trichloro-1,2,2-trifluoroethane	U	U	U	U	U	U	U	U	5
1,1,2-Trichloroethane	U	U	U	U	U	U	U	U	1
1,1-Dichloroethane	U	U	U	U	U	U	U	U	5
1,1-Dichloroethene	U	U	U	U	U	U	U	U	5
1,2,4-Trichlorobenzene	U	U	U	U	U	U	U	U	5
1,2-Dibromo-3-Chloropropane	U	U	U	U	U	U	U	U	0.04
1,2-Dibromoethane	U	U	U	U	U	U	U	U	0.0006
1,2-Dichlorobenzene	U	UJ	UJ	UJ	UJ	UJ	U	U	3
1,2-Dichloroethane	U	U	U	U	U	U	U	U	0.6
1,2-Dichloropropane	U	U	U	U	U	U	U	U	1
1,3-Dichlorobenzene	U	U	U	U	U	U	U	U	3
1,4-Dichlorobenzene	U	U	U	U	U	U	U	U	3
2-Butanone (MEK)	U	U	U	U	U	U	U	U	50
2-Hexanone	U	U	U	U	U	U	U	U	50
4-Methyl-2-pentanone (MIBK)	U	U	U	U	U	U	U	U	--
Acetone	14	41	U	U	U	U	U	UB	50
Benzene	U	U	U	U	U	U	U	U	1
Bromodichloromethane	U	U	U	U	U	U	U	U	50
Bromoform	U	U	U	U	U	U	U	U	50
Bromomethane	U	U	U	U	U	U	U	U	5
Carbon Disulfide	0.44 J	U	U	U	U	U	U	U	60
Carbon Tetrachloride	U	U	U	U	U	U	U	U	5
Chlorobenzene	U	U	U	U	U	U	U	U	5
Chloroethane	U	U	U	U	U	U	U	U	5
Chloroform	U	U	U	U	U	U	U	0.37 J	7
Chloromethane	U	U	U	U	U	U	U	U	5
Cis-1,2-Dichloroethylene	U	U	U	U	U	U	***12***	U	5
Cis-1,3-Dichloropropene	U	U	U	U	U	U	U	U	0.4
Cyclohexane	U	U	U	U	U	U	U	U	--
Dibromochloromethane	U	U	U	U	U	U	U	U	50
Dichlorodifluoromethane	U	U	U	U	U	U	U	U	5
Ethylbenzene	U	U	U	U	U	U	U	U	5

See next page for Footnotes/Qualifiers

25 Field Court
Discrete Depth Groundwater Samples
Volatile Organic Compounds

Sample ID	FCGP-01	FCGP-02	FCGP-02	FCGP-02	FCGP-02	FCGP-03	FCGP-04	FCGP-06	NYSDEC
Sample Depth (BG)	(26'-30')	(26'-30')	(36'-40')	(46'-50')	(52'-58')	(26'-30')	(25'-29')	(25'-29')	Class GA
Sampling Date	7/17/2018	7/18/2018	7/18/2018	7/18/2018	7/18/2018	7/19/2018	7/19/2018	7/19/2018	Standard or
Dilution Factor	1	2	4	2	2	4	4	1	Guidance Value
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
COMPOUNDS CONTINUED									
Isopropylbenzene	U	U	U	U	U	U	U	U	5
Methyl Acetate	U	UJ	UJ	UJ	UJ	UJ	U	U	--
Methyl tert-butyl ether	U	U	U	U	U	U	U	U	10
Methylcyclohexane	U	U	U	U	U	U	U	U	--
Methylene Chloride	U	U	U	U	U	U	U	U	5
Styrene	U	U	U	U	U	U	U	U	5
Tetrachloroethylene	***53***	***82***	***200***	***170***	***76***	***210***	***230***	***16***	5
Toluene	U	2.2	U	U	U	U	U	U	5
Trans-1,2-Dichloroethene	U	U	U	U	U	U	U	U	5
Trans-1,3-Dichloropropene	U	U	U	U	U	U	U	U	0.4
Trichloroethylene	***5***	***29***	***23***	***47***	***110***	***9.0***	***24***	***8.5***	5
Trichlorofluoromethane	U	U	U	U	U	U	U	U	5
Vinyl Chloride	U	U	U	U	U	U	U	U	2
Xylenes, Total	U	1.4 J	U	U	U	U	U	U	5
Tentatively Identified Compounds	0	0	0	0	0	0	0	0	--
Total Volatile Compounds	72.44	155.6	223	217	186	219	266	24.87	--

Footnotes/Qualifiers:

ug/l: Micrograms per liter
--: No standard
U: Analyzed for but not detected
J: Estimated value or limit
UB: Non-detect based on blank results

Exceeds Class GA Standard or Guidance Value

25 Field Court
Discrete Depth Groundwater Samples
Volatile Organic Compounds

Sample ID	FCGP-07	FCGP-07	FCGP-07	FCGP-07	NYSDEC
Sample Depth (BG)	(36'-40')	(46'-50')	(56'-60')	(66'-70')	Class GA
Sampling Date	7/24/2018	7/24/2018	7/24/2018	7/24/2018	Standard or
Dilution Factor	1	2	1	1	Guidance Value
Units	ug/l	ug/l	ug/l	ug/l	ug/l
VOLATILE COMPOUNDS					
1,1,1-Trichloroethane	U	U	U	U	5
1,1,2,2-Tetrachloroethane	U	U	U	U	5
1,1,2-Trichloro-1,2,2-trifluoroethane	U	U	U	U	5
1,1,2-Trichloroethane	U	U	U	U	1
1,1-Dichloroethane	U	U	U	U	5
1,1-Dichloroethene	U	U	U	U	5
1,2,4-Trichlorobenzene	U	U	U	U	5
1,2-Dibromo-3-Chloropropane	U	U	U	U	0.04
1,2-Dibromoethane	U	U	U	U	0.0006
1,2-Dichlorobenzene	U	U	U	U	3
1,2-Dichloroethane	U	U	U	U	0.6
1,2-Dichloropropane	U	U	U	U	1
1,3-Dichlorobenzene	U	U	U	U	3
1,4-Dichlorobenzene	U	U	U	U	3
2-Butanone (MEK)	U	U	U	U	50
2-Hexanone	U	U	U	U	50
4-Methyl-2-pentanone (MIBK)	U	U	U	U	--
Acetone	U	U	U	UB	50
Benzene	U	U	U	U	1
Bromodichloromethane	U	U	U	U	50
Bromoform	U	U	U	U	50
Bromomethane	U	U	U	U	5
Carbon Disulfide	U	U	U	U	60
Carbon Tetrachloride	U	U	U	U	5
Chlorobenzene	U	U	U	U	5
Chloroethane	U	U	U	U	5
Chloroform	0.40 J	U	0.38 J	U	7
Chloromethane	U	U	U	U	5
Cis-1,2-Dichloroethylene	U	U	U	U	5
Cis-1,3-Dichloropropene	U	U	U	U	0.4
Cyclohexane	U	U	U	U	--
Dibromochloromethane	U	U	U	U	50
Dichlorodifluoromethane	U	U	U	U	5
Ethylbenzene	U	U	U	U	5

See next page for Footnotes/Qualifier

25 Field Court
Discrete Depth Groundwater Samples
Volatile Organic Compounds

Sample ID	FCGP-07	FCGP-07	FCGP-07	FCGP-07	NYSDEC
Sample Depth (BG)	(36'-40')	(46'-50')	(56'-60')	(66'-70')	Class GA
Sampling Date	7/24/2018	7/24/2018	7/24/2018	7/24/2018	Standard or
Dilution Factor	1	2	1	1	Guidance Value
Units	ug/l	ug/l	ug/l	ug/l	ug/l
COMPOUNDS CONTINUED					
Isopropylbenzene	U	U	U	U	5
Methyl Acetate	U	U	U	U	--
Methyl tert-butyl ether	U	U	U	U	10
Methylcyclohexane	U	U	U	U	--
Methylene Chloride	U	U	U	U	5
Styrene	U	U	U	U	5
Tetrachloroethylene	***54***	***110***	***39***	3.3	5
Toluene	U	U	U	U	5
Trans-1,2-Dichloroethene	U	U	U	U	5
Trans-1,3-Dichloropropene	U	U	U	U	0.4
Trichloroethylene	***14***	***11***	***13***	***9.2***	5
Trichlorofluoromethane	U	U	U	U	5
Vinyl Chloride	U	U	U	U	2
Xylenes, Total	U	U	U	U	5
Tentatively Identified Compounds	0	0	0	0	--
Total Volatile Compounds	68.4	121	52.38	12.5	--

Footnotes/Qualifiers:
ug/l: Micrograms per liter
--: No standard
U: Analyzed for but not detected
J: Estimated value or limit
UB: Non-detect based on blank results
Exceeds Class GA Standard or Guidance Value

25 Field Court
Groundwater Monitoring Well Samples
Volatile Organic Compounds

Sample ID	FCMW-01	FCMW-02	FCMW-03	FCMW-04	FCMW-05	FCMW-06	NYSDEC
Sample Depth (BG)	(16'-26')	(16'-26')	(16'-26')	(16'-26')	(15.5'-25.5')	(16'-26')	Class GA
Sampling Date	8/7/2018	8/7/2018	8/7/2018	8/7/2018	8/7/2018	8/7/2018	Standard or
Dilution Factor	2	2	4	2	2	2	Guidance Value
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
VOLATILE COMPOUNDS							
1,1,1-Trichloroethane	U	U	U	U	U	U	5
1,1,2,2-Tetrachloroethane	U	U	U	U	U	U	5
1,1,2-Trichloro-1,2,2-trifluoroethane	U	U	U	U	U	U	5
1,1,2-Trichloroethane	U	U	U	U	U	U	1
1,1-Dichloroethane	U	U	U	U	U	U	5
1,1-Dichloroethene	U	U	U	U	U	U	5
1,2,4-Trichlorobenzene	U	U	U	U	U	U	5
1,2-Dibromo-3-Chloropropane	U	U	U	U	U	U	0.04
1,2-Dibromoethane	U	U	U	U	U	U	0.0006
1,2-Dichlorobenzene	U	U	U	U	U	U	3
1,2-Dichloroethane	U	U	U	U	U	U	0.6
1,2-Dichloropropane	U	U	U	U	U	U	1
1,3-Dichlorobenzene	U	U	U	U	U	U	3
1,4-Dichlorobenzene	U	U	U	U	U	U	3
2-Butanone (MEK)	U	U	U	U	U	U	50
2-Hexanone	U	U	U	U	U	U	50
4-Methyl-2-pentanone (MIBK)	U	U	U	U	U	U	--
Acetone	U	U	U	U	U	U	50
Benzene	U	U	U	U	U	U	1
Bromodichloromethane	U	U	U	U	U	U	50
Bromoform	U	U	U	U	U	U	50
Bromomethane	U	U	U	U	U	U	5
Carbon Disulfide	U	U	U	U	U	U	60
Carbon Tetrachloride	U	U	U	U	U	U	5
Chlorobenzene	U	U	U	U	U	U	5
Chloroethane	U	U	U	U	U	U	5
Chloroform	U	U	U	U	U	U	7
Chloromethane	U	U	U	U	U	U	5
Cis-1,2-Dichloroethylene	U	U	U	U	U	U	5
Cis-1,3-Dichloropropene	U	U	U	U	U	U	0.4
Cyclohexane	U	U	U	U	U	U	--
Dibromochloromethane	U	U	U	U	U	U	50
Dichlorodifluoromethane	U	U	U	U	U	U	5
Ethylbenzene	U	U	U	U	U	U	5
Isopropylbenzene	U	U	U	U	U	U	5
Methyl Acetate	U	U	U	U	U	U	--
Methyl tert-butyl ether	U	U	U	U	U	U	10
Methylcyclohexane	U	U	U	U	U	U	--
Methylene Chloride	U	0.95 J	2.3 J	0.96 J	1.1 J	1.0 J	5
Styrene	U	U	U	U	U	U	5
Tetrachloroethylene	***97***	***190***	***370***	***180***	***140***	***120***	5
Toluene	U	U	U	U	U	U	5
Trans-1,2-Dichloroethene	U	U	U	U	U	U	5
Trans-1,3-Dichloropropene	U	U	U	U	U	U	0.4
Trichloroethylene	***17***	***14***	***13***	***5.5***	***7.6***	***15***	5
Trichlorofluoromethane	U	U	U	U	U	U	5
Vinyl Chloride	U	U	U	U	U	U	2
Xylenes, Total	U	U	U	U	U	U	5
Tentatively Identified Compounds	0	0	0	0	0	0	--
Total Volatile Compounds	114	204.95	385.3	186.46	148.7	136	--

Footnotes/Qualifiers:
ug/l: Micrograms per liter
--: No standard
U: Analyzed for but not detected
J: Estimated value or limit
Exceeds Class GA Standard or Guidance Value

D&B ENGINEERS AND ARCHITECTS, P.C.

25 Field Court
Groundwater Monitoring Well Samples
Semi-Volatile Organic Compounds
1,4-Dioxane

Sample ID	FCMW-02	FCMW-03	FCMW-05	NYSDEC
Sample Depth (BG)	(16'-26')	(16'-26')	(15.5'-25.5')	Class GA
Sampling Date	8/7/2018	8/7/2018	8/7/2018	Standard or
Dilution Factor	1	1	1	Guidance Value
Units	ug/l	ug/l	ug/l	ug/l
1,4-Dioxane	U	U	U	--
SEMIVOLATILE COMPOUNDS				
2,4,5-Trichlorophenol	U	U	U	1
2,4,6-Trichlorophenol	U	U	U	1
2,4-Dichlorophenol	U	U	U	5
2,4-Dimethylphenol	U	U	U	50
2,4-Dinitrophenol	U	U	U	10
2,4-Dinitrotoluene	U	U	U	5
2,6-Dinitrotoluene	U	U	U	5
2-Chloronaphthalene	U	U	U	10
2-Chlorophenol	U	U	U	1
2-Methylnaphthalene	U	U	U	--
2-Methylphenol	U	U	U	1
2-Nitroaniline	U	U	U	5
2-Nitrophenol	U	U	U	1
3,3-Dichlorobenzidine	U	U	U	5
3-Nitroaniline	U	U	U	5
4,6-Dinitro-2-methylphenol	U	U	U	1
4-Bromophenyl-phenylether	U	U	U	--
4-Chloro-3-methylphenol	U	U	U	1
4-Chloroaniline	U	U	U	5
4-Chlorophenylphenyl ether	U	U	U	--
4-Methylphenol	U	U	U	1
4-Nitroaniline	U	U	U	5
4-Nitrophenol	U	U	U	1
Acenaphthene	U	U	U	20
Acenaphthylene	U	U	U	--
Acetophenone	U	U	U	--
Anthracene	U	U	U	50
Atrazine	U	U	U	7.5
Benzaldehyde	U	U	U	--
Benzo(a)anthracene	U	U	U	0.002
Benzo(a)pyrene	U	U	U	ND
Benzo(b)fluoranthene	U	U	U	0.002
Benzo(ghi)perylene	U	U	U	--
Benzo(k)fluoranthene	U	U	U	0.002
Biphenyl	U	U	U	5
Bis(2-chloroisopropyl)ether	U	U	U	--
Bis(2-chloroethoxy)methane	U	U	U	5
Bis(2-chloroethyl)ether	U	U	U	1
Bis(2-ethylhexyl)phthalate (BEHP)	U	U	U	5
Benzyl butyl phthalate	U	U	U	50
Caprolactam	U	U	U	--
Carbazole	U	U	U	--
Chrysene	U	U	U	0.002
Dibenzo(a,h)anthracene	U	U	U	--
Dibenzofuran	U	U	U	--
Diethyl phthalate	U	U	U	50
Dimethyl phthalate	U	U	U	50
Di-n-butyl phthalate	UB	UB	UB	50
Di-n-octyl phthalate	U	U	U	50

See next page for Footnotes/Qualifiers

25 Field Court
Groundwater Monitoring Well Samples
Semi-Volatile Organic Compounds
1,4-Dioxane

Sample ID	FCMW-02	FCMW-03	FCMW-05	NYSDEC
Sample Depth (BG)	(16'-26')	(16'-26')	(15.5'-25.5')	Class GA
Sampling Date	8/7/2018	8/7/2018	8/7/2018	Standard or
Dilution Factor	1	1	1	Guidance Value
Units	ug/l	ug/l	ug/l	ug/l
COMPOUNDS CONTINUED				
Fluoranthene	U	U	U	50
Fluorene	U	U	U	50
Hexachlorobenzene	U	U	U	0.04
Hexachlorobutadiene	U	U	U	0.5
Hexachlorocyclopentadiene	U	U	U	5
Hexachloroethane	U	U	U	5
Indeno(1,2,3-cd)pyrene	U	U	U	0.002
Isophorone	U	U	U	50
Naphthalene	U	U	U	10
Nitrobenzene	U	U	U	0.4
N-Nitroso-di-n-propylamine	U	U	U	--
N-Nitrosodiphenylamine	U	U	U	50
Pentachlorophenol	U	U	U	1
Phenanthrene	U	U	U	50
Phenol	U	U	U	1
Pyrene	U	U	U	50
Tentatively Identified Compounds	955.5 J	979.6 J	865.7 J	--
Total Semivolatile Compounds	0	0	0	--

Footnotes/Qualifiers:

ug/l: Micrograms per liter
--: No standard
ND:: Any detect exceeds limit
U: Analyzed for but not detected
J: Estimated value
UB: Non detect based on blank results

25 Field Court
Groundwater Monitoring Well Samples
Pesticides and Polychlorinated Biphenyls (PCBs)

Sample ID	FCMW-02	FCMW-03	FCMW-05	NYSDEC
Sample Depth (BG)	(16'-26')	(16'-26')	(15.5'-25.5')	Class GA
Sampling Date	8/7/2018	8/7/2018	8/7/2018	Standard or
Dilution Factor	1	1	1	Guidance Value
Units	ug/l	ug/l	ug/l	ug/l
PESTICIDES				
4,4'-DDD	U	U	U	0.3
4,4'-DDE	U	U	U	0.2
4,4'-DDT	U	U	U	0.2
Aldrin	U	U	U	ND
alpha BHC	U	U	U	0.01
alpha-Chlordane	U	U	U	0.05
beta-BHC	U	U	U	0.04
delta-BHC	U	U	U	0.04
Dieldrin	U	U	U	0.004
Endosulfan I	U	U	U	--
Endosulfan II	U	U	U	--
Endosulfan sulfate	U	U	U	--
Endrin	U	U	U	ND
Endrin aldehyde	U	U	U	5
Endrin ketone	U	U	U	5
gamma-BHC (Lindane)	U	U	U	0.05
gamma-Chlordane	U	U	U	0.05
Heptachlor	U	U	U	0.04
Heptachlor epoxide	U	U	U	0.03
Methoxychlor	U	U	U	35
Toxaphene	U	U	U	0.06
PCBS				
Aroclor 1016	U	U	U	0.09
Aroclor 1221	U	U	U	0.09
Aroclor 1232	U	U	U	0.09
Aroclor 1242	U	U	U	0.09
Aroclor 1248	U	U	U	0.09
Aroclor 1254	U	U	U	0.09
Aroclor 1260	U	U	U	0.09
Total PCBs	0	0	0	0.09

Footnotes/Qualifiers:
ug/l: Micrograms per liter
--: No standard
ND:: Any detect exceeds limit
U: Analyzed for but not detected

25 Field Court
Groundwater Monitoring Well Samples
Metals (Filtered and Unfiltered)

Sample ID	FCMW-02	FCMW-02	FCMW-03	FCMW-03	FCMW-05	FCMW-05	NYSDEC Class GA
Sample Depth (BG)	(16'-26')	(16'-26')	(16'-26')	(16'-26')	(15.5'-25.5')	(15.5'-25.5')	Standard or
Sampling Date	8/7/2018	8/7/2018	8/7/2018	8/7/2018	8/7/2018	8/7/2018	Guidance Value
Sample Type	UNFILTERED	FILTERED	UNFILTERED	FILTERED	UNFILTERED	FILTERED	
Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
METALS							
Aluminum	U	U	0.072 J	U	0.16 J	U	--
Antimony	U	U	U	U	U	U	0.003
Arsenic	U	U	U	U	U	U	0.025
Barium	0.051	0.049	0.024	0.022	0.037	0.034	1
Beryllium	U	U	U	U	U	U	0.003
Cadmium	U	U	U	U	U	U	0.005
Calcium	50.4	48.6	44.6	42.7	49.0	45.9	--
Chromium	0.0017 J	0.0011 J	0.0013 J	U	0.0013 J	U	0.05
Cobalt	U	U	U	U	U	U	--
Copper	U	U	U	U	0.0021 J	U	0.2
Iron	U	U	0.078	U	0.19	U	0.3
Lead	U	U	U	U	U	U	0.025
Magnesium	5.3	5.0	4.2	3.9	5.2	5.2	35
Manganese	UB	0.0019 J	0.011	0.026 J	0.029	0.019	0.3
Nickel	U	U	U	U	U	U	0.1
Potassium	2.2	2.0	2.2	2.0	4.3	4.2	--
Selenium	U	U	U	U	U	U	0.01
Silver	U	U	U	U	U	U	0.05
Sodium	***24.6***	***25.6***	***62***	***59.4***	***64.6***	***61.4***	20
Thallium	U	U	U	U	U	U	0.0005
Vanadium	U	U	U	U	U	U	--
Zinc	UB	UB	UB	UB	UB	0.10	2
Mercury	U	U	U	U	U	U	0.0007
Cyanide	0.007 J	--	UJ	--	UJ	--	0.2

Footnotes/Qualifiers:

mg/l: Milligrams per liter

--: No standard or not analyzed

U: Analyzed for but not detected

J: Estimated value or limit

UB: Non detect based on blank results

Exceeds Class GA Standard or Guidance Value

25 Field Court
Groundwater Monitoring Well Samples
Fluorinated Alkyl Substances (PFAs)

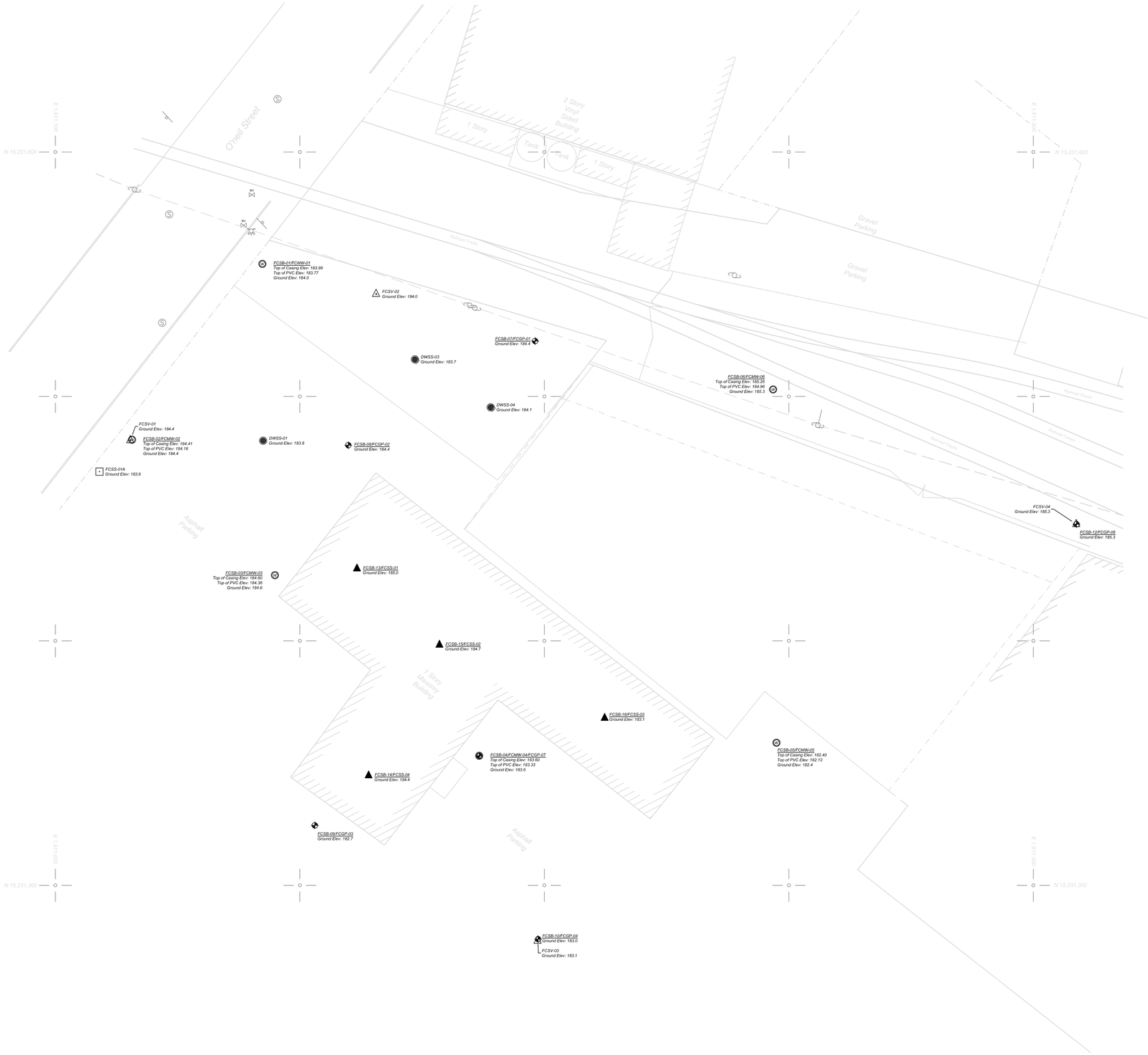
Sample ID	FCMW-02		FCMW-03		FCMW-05	
Sample Depth (BG)	(16'-26')		(16'-26')		(15.5'-25.5')	
Sampling Date	8/29/2018		8/29/2018		8/7/2018	
Dilution Factor	1		1		1	
Units	mg/l		mg/l		mg/l	
PFAS						
Perfluorobutanoic acid (PFBA)	3.1		7.5		4.9	
Perfluoropentanoic acid (PFPeA)	2.5		11		4.6	
Perfluorohexanoic acid (PFHxA)	2.2		9.2		4.2	
Perfluoroheptanoic acid (PFHpA)	2.1		5.6		3.2	
Perfluorooctanoic acid (PFOA)	5.4		13		8.0	
Perfluorononanoic acid (PFNA)	0.61	J	0.66	J	0.75	J
Perfluorodecanoic acid (PFDA)	0.45	J		U		U
Perfluoroundecanoic acid (PFUnA)		U		U		U
Perfluorododecanoic acid (PFDoA)		U		U		U
Perfluorotridecanoic Acid (PFTriA)		U		U		U
Perfluorotetradecanoic acid (PFTeA)		U		U		U
Perfluorobutanesulfonic acid (PFBS)	2.6		2.0		3.1	
Perfluorohexanesulfonic acid (PFHxS)	2.0		2.1		2.1	
Perfluoroheptanesulfonic Acid (PFHpS)	0.22	J		U	0.17	J
Perfluorooctanesulfonic acid (PFOS)	14		8.4		17	
Perfluorodecanesulfonic acid (PFDS)		U		U		U
Perfluorooctane Sulfonamide (FOSA)		U		U		U
N-methyl perfluorooctane sulfonamidoacetic acid (NMeFOSAA)		U		U		U
N-ethyl perfluorooctane sulfonamidoacetic acid (NEtFOSAA)		U		U		U
6:2 FTS		U		U		U
8:2 FTS		U		U		U

Footnotes/Qualifiers:

mg/l: Milligrams per liter
--: No standard or not analyzed
U: Analyzed for but not detected
J: Estimated value or limit

APPENDIX G

SITE SURVEY RESULTS





Google Earth Imagery
Kingston, New York
Not to Scale

Environmental Investigation Point
Coordinates and Elevations

Identifier	Northing	Easting	Top of Protective Casing Elevation	Top of PVC Riser Elevation	Ground Elevation
FCSB-01/FCMW-01	15,231,554.2	1,911,184.7	183.99	183.77	184.0
FCSB-02/FCMW-02	15,231,482.3	1,911,131.4	184.41	184.16	184.4
FCSB-03/FCMW-03	15,231,426.9	1,911,189.8	184.60	184.36	184.6
FCSB-04/FCMW-04/FCGP-07	15,231,353.0	1,911,273.3	183.60	183.33	183.6
FCSB-05/FCMW-05	15,231,358.3	1,911,394.9	182.40	182.13	182.4
FCSB-06/FCMW-06	15,231,502.9	1,911,393.6	185.26	184.96	185.3
FCSV-01	15,231,482.1	1,911,130.7	N/A	N/A	184.4
FCSV-02	15,231,541.9	1,911,231.2	N/A	N/A	184.0
FCSV-03	15,231,277.3	1,911,297.3	N/A	N/A	183.1
FCSV-04	15,231,447.8	1,911,517.6	N/A	N/A	185.3
DWSS-01	15,231,481.9	1,911,185.0	N/A	N/A	183.8
DWSS-03	15,231,515.2	1,911,247.1	N/A	N/A	183.7
DWSS-04	15,231,495.6	1,911,278.0	N/A	N/A	184.1
FCSB-07/FCGP-01	15,231,522.7	1,911,296.2	N/A	N/A	184.4
FCSB-08/FCGP-02	15,231,480.1	1,911,219.8	N/A	N/A	184.4
FCSB-09/FCGP-03	15,231,324.5	1,911,206.1	N/A	N/A	182.7
FCSB-10/FCGP-04	15,231,278.0	1,911,297.4	N/A	N/A	183.0
FCSB-12/FCGP-06	15,231,447.7	1,911,517.6	N/A	N/A	185.3
FCSB-13/FCSS-01	15,231,429.5	1,911,223.4	N/A	N/A	185.0
FCSB-14/FCSS-04	15,231,344.9	1,911,228.1	N/A	N/A	184.4
FCSB-15/FCSS-02	15,231,398.3	1,911,257.1	N/A	N/A	184.7
FCSB-16/FCSS-03	15,231,368.4	1,911,324.7	N/A	N/A	183.1
FCSS-01A	15,231,469.2	1,911,118.0	N/A	N/A	183.9

General Notes:

1. *This survey is referenced horizontally to the North American Datum of 1983 (NAD83) projected on the Universal Transverse Mercator (Zone 18), and vertically to the North American Vertical Datum of 1988 (NAVD88), expressed in feet.*
2. *North arrow as shown indicates Grid North referenced to NAD83/2011, projected on the Universal Transverse Mercator (Zone 18).*
3. *The reference horizontal and vertical control station is a Continuously Operated Reference Stations (CORS) distinguished as NYKT maintained by the New York State Department of Transportation.*
4. *The information shown hereon is based on an instrument survey completed on August 7, 2018.*
5. *The background information shown hereon is based on Reference Drawing No. 1.*

Referenced Drawings:

1. *Map of a portion of lands of Ulster County Industrial Development Agency, dated August 1, 2016, and prepared by Brinner & Larios, P.C.*

Legend:

- *Boundary Line*
- *Fence Line*
- *Overhead Wires*
- *Dry Well Soil Sample (DWSS)*
- *Soil Boring and Groundwater Probe Location (FCSB/FCGP)*
- *Soil Boring and Sub-Slab Soil Vapor Location (FCSB/FCSS)*
- *Soil Vapor Location (FCSV)*
- *Soil Boring and Monitoring Well Location (FCSB/FCMW)*
- *Surface Soil Sample (FCSS)*

GRAPHIC SCALE

20 0 10 20 40 80

(IN FEET)
1 inch = 20 ft.

REV	DESCRIPTION	DATE
2	Miscellaneous Revisions	9/25/2018
1	Miscellaneous Revisions	9/21/2018

PROJECT NUMBER: UK689-05-18

DRAWN: A.A.W.
CHECKED: J.S.T.
SCALE: 1" = 20'
DATE: 08/16/2018

STATE OF NEW YORK — JOSEPH S. TRAPANI — 095018 — LICENSED LAND SURVEYOR

Map Showing
Completed Sample Locations
25 Field Court Site

City of Kingston
County of Ulster
State of New York

Thew Associates LAND SURVEYORS
www.ThewAssociates.com
P.O. Box 463
6431 US Highway 11
Canton, New York 13617
T: 315/386-2776
F: 315/386-1012
9478 River Road
Marcy, New York 13403
T: 315/733-7276
F: 315/797-1957

Unauthorized alteration or addition to a survey map bearing a licensed land surveyors seal is a violation of Section 7209, Subdivision 2 of the New York State Education Law.

Only copies from the original of this survey marked with an original of the surveyor's inked seal or his embossed seal shall be considered to be valid and true copies.

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APPENDIX H

WASTE DISPOSAL RECORDS

3354084 10/25

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
N / A	1	(267) 406-0083	41478

5. Generator's Name and Mailing Address

NYSDEC
Division of Environmental Remediation 625 Broadway, 11th Fl.
Albany NY 12233
Generator's Phone:

Generator's Site Address (if different than mailing address)

NYSDEC
25 Field Court
Kingston NY 12401

6. Transporter 1 Company Name — U.S. EPA ID Number

Innovative Recycling Technologies, Inc. — NYR000134940

7. Transporter 2 Company Name — U.S. EPA ID Number

Republic Environmental Systems (Trans Group) LLC — PAD982661381

8. Designated Facility Name and Site Address — U.S. EPA ID Number

Republic Environmental Systems (PA), LLC
2869 Sandstone Drive
Hatfield PA 19440
Facility's Phone: 215-822-8995 — PAD085690592

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	Non Hazardous Soil Non-DOT Regulated Material	WK 67	DM	4200	P	
2.	Non Hazardous PPE/Sampling Equipment Non-DOT Regulated Material	WK 54	DM	500	P	
3.						
4.						

13. Special Handling Instructions and Additional Information

9.1) 982409
9.2) 982408
Doc# 405712-18

14. 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: Paul Bamert, as agent of NYSDEC — Signature: [signature] — Month: 10 Day: 11 Year: 18

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Willie Kennedy — Signature: Willie Kennedy — Month: 10 Day: 11 Year: 18

Transporter 2 Printed/Typed Name: Michelle Koch — Signature: [signature] — Month: 10 Day: 19 Year: 18

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) — U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator) — Month: Day: Year:

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: MALLET DMTU — Signature: [signature] — Month: 10 Day: 25 Year: 18

GENERATOR | INT'L | TRANSPORTER | DESIGNATED FACILITY

169-BLC-O 6 10498 (Rev. 9/09)

DESIGNATED FACILITY TO GENERATOR

Stericycle Environmental Solutions

CERTIFICATE OF TREATMENT, RECYCLING, AND/OR DISPOSAL

This is to certify that the following waste material was received, managed and treated in complaince with all applicable Federal and State Laws and Regulations.

Generator: 610203 - NYSDEC
25 FIELD COURT
KINGSTON NY, 12401
EPA ID: CESQG

Facility: REPUBLIC ENV SYS (PA) LLC
2869 SANDSTONE DRIVE
HATFIELD PA, 19440
EPA ID: PAD085690592

Manifest #: 41478-NYSDEC
Waste Receipt #: HAT-6608N
Date Received: 10/25/2018

Line	Profile	Material Description	Treatment/ Disposal Description
1	982409-00	NON-REGUALTED MATERIAL (SOIL)	H141 STORAGE, BULKING, AND/OR TRANSFER OFF-SITE - NO TREATMENT/RECOVERY/BLENDING
2	982408-00	NON-REGULATED MATERIAL (PPE/ SAMPLING EQUIPMENT)	H141 STORAGE, BULKING, AND/OR TRANSFER OFF-SITE - NO TREATMENT/RECOVERY/BLENDING

Name: Norma Figueroa

Signature :

Title : Document Specialist

APPENDIX I

DATA USABILITY SUMMARY REPORTS

D&B ENGINEERS AND ARCHITECTS, P.C.

DATA VALIDATION CHECKLIST

Project Name:	25 Field Court, Kingston, New York
Project Number:	3150-39
Sample Date(s):	July 11, 2018
Sample Team:	P. Barusich
Matrix/Number of Samples:	Air/ 11
Analyzing Laboratory:	TestAmerica, South Burlington, Vermont
Analyses:	VOC by EPA TO-15
Laboratory Report No:	200-44345 Date: 7/20/2018

ANALYTICAL DATA PACKAGE DOCUMENTATION
GENERAL INFORMATION

	Reported		Performance Acceptable		Not
	No	Yes	No	Yes	Required
1. Sample results		X		X	
2. Parameters analyzed		X		X	
3. Method of analysis		X		X	
4. Sample collection date		X		X	
5. Laboratory sample received date		X		X	
6. Sample analysis date		X		X	
7. Copy of chain-of-custody form signed by Lab sample custodian		X		X	
8. Narrative summary of QA or sample problems provided		X		X	

QA - quality assurance

Comments:

A validation was conducted on the data package and any applicable qualification of the data was determined using the USEPA Hazardous Waste Support Branch Analysis of Volatile Organic Compounds in Air Contained in Canisters by Method T0-15, July 2014, method performance criteria, and D&B Engineers and Architects, P.C. professional judgment. The qualification of data discussed within this data validation checklist did not impact the usability of the sample results.

D&B ENGINEERS AND ARCHITECTS, P.C.

Custody Numbers: 200-44354
SAMPLE AND ANALYSIS LIST

Sample ID	Lab ID	Sample Collection Date	Sample Type	Analysis					
				VOC	SVOC	Pest	PCB	MET	MISC
FCSS-03	200-44345-1	7/11/2018	Air	X					
FCSS-03A	200-44345-2	7/11/2018	Air	X					
FCSS-01	200-44345-3	7/11/2018	Air	X					
FCSS-02	200-44345-4	7/11/2018	Air	X					
FCSS-02A	200-44345-5	7/11/2018	Air	X					
FCSS-004	200-44345-6	7/11/2018	Air	X					
FCAA-01	200-44345-7	7/11/2018	Air	X					
FCSV-03	200-44345-8	7/11/2018	Air	X					
FCSV-01	200-44345-9	7/11/2018	Air	X					
FCSV-02	200-44345-10	7/11/2018	Air	X					
FCSV-04	200-44345-11	7/11/2018	Air	X					

D&B ENGINEERS AND ARCHITECTS, P.C.

ORGANIC ANALYSES
VOC

	Reported		Performance Acceptable		Not
	No	Yes	No	Yes	Required
1. Holding times		X		X	
2. Method blanks		X		X	
3. Laboratory Control Sample (LCS) spike %R		X		X	
4. Instrument performance check		X		X	
5. Internal standard retention times and areas		X		X	
6. Initial calibration RRF's and %RSD's		X		X	
7. Continuing calibration RRF's and %D's		X		X	
8. Transcriptions – quant report vs. Form I		X		X	

VOCs - volatile organic compounds
%D - percent difference
RRF - relative response factor
%R - percent recovery
%RSD - percent relative standard deviation
RPD - relative percent difference

Comments:
Performance was acceptable.

VALIDATION PERFORMED BY & DATE:	Donna M. Brown 9/5/2018
VALIDATION PERFORMED BY SIGNATURE:	

D&B ENGINEERS AND ARCHITECTS, P.C.

DATA VALIDATION CHECKLIST

Project Name:	25 Field Court, Kingston, New York
Project Number:	3150-39
Sample Date(s):	July 12-20, 2018
Sample Team:	S. Rosenberg
Matrix/Number of Samples:	Soil/ 32 Water/10 Trip Blanks /2 Field Blanks/0
Analyzing Laboratory:	Test America, Amherst, New York
Analyses:	Volatile Organic Compounds (VOCs): by SW846 8260C Semi Volatile Organic Compounds (SVOCs): by SW846 8270D Pesticides (Pest): by SW846 8081B Polychlorinated Biphenyls (PCBs): by SW846 8082A Metals: by SW846 method 6010C; mercury by method 7471B; and cyanide by method 3550C
Laboratory Report No:	480-138814 Date: 8/17/2018

ANALYTICAL DATA PACKAGE DOCUMENTATION
GENERAL INFORMATION

	Reported		Performance Acceptable		Not
	No	Yes	No	Yes	Required
1. Sample results		X		X	
2. Parameters analyzed		X		X	
3. Method of analysis		X		X	
4. Sample collection date		X		X	
5. Laboratory sample received date		X		X	
6. Sample analysis date		X		X	
7. Copy of chain-of-custody form signed by Lab sample custodian		X		X	
8. Narrative summary of QA or sample problems provided		X		X	

QA - quality assurance

Comments:

A validation was conducted on the data package and any applicable qualification of the data was determined using the USEPA National Functional Guidelines of Organic Data Review, January 2017 or USEPA National Functional Guidelines of Inorganic Data Review, January 2017, method performance criteria, and D&B Engineers and Architects, P.C. professional judgment. The qualification of data discussed within this data validation checklist did not impact the usability of the sample results, with the exception of the results that were rejected.

D&B ENGINEERS AND ARCHITECTS, P.C.

Custody Numbers: 480-138814
SAMPLE AND ANALYSIS LIST

Sample ID	Lab ID	Sample Collection Date	Sample Type	Analysis					
				VOC	SVOC	Pest	PCB	MET	MISC
FCSB-16(0.5'-2.5')	480-138814-1	7/12/2018	Solid	X	X				
FCSB-14(0.5'-2.5')	480-138814-2	7/12/2018	Solid	X	X				
FCSB-15(0.5'-2.5')	480-138814-3	7/12/2018	Solid	X	X				
FCSB-13(0.5'-2.5')	480-138814-4	7/12/2018	Solid	X	X	X	X	X	
DWSS-01(5'-6')	480-138903-1	7/12/2018	Solid	X	X				
DWSS-03(1.5'-2.5')	480-138903-2	7/12/2018	Solid	X	X	X	X	X	
DWSS-04(9'-10')	480-138903-3	7/12/2018	Solid	X	X				
FCSB-12(0'-0.5')	480-138903-4	7/13/2018	Solid	X	X				
FCSB-12(20'-22')	480-138903-5	7/13/2018	Solid	X	X	X	X	X	
FCSB-06(0'-0.5')	480-138903-6	7/13/2018	Solid	X	X				
FCSB-06(20'-22')	480-138903-7	7/13/2018	Solid	X	X				
FCSB-07(4"-10")	480-138903-8	7/13/2018	Solid	X	X				
FCSB-07(17'-19')	480-138903-9	7/13/2018	Solid	X	X				
FCSB-01(4"-10")	480-138903-10	7/13/2018	Solid	X	X				
FCSB-01(16'-18')	480-138903-11	7/13/2018	Solid	X	X				
FCSB-01A(0-2")	480-138903-12	7/13/2018	Solid	X					
FCSB-02(8"-14")	480-138903-13	7/13/2018	Solid	X	X				
FCSB-02(15.5-17.5)	480-138903-14	7/13/2018	Solid	X	X				
FCSB-17(6'-7')	480-139069-1	7/16/2018	Solid	X	X				
FCSB-03(0'-0.5')	480-139069-2	7/16/2018	Solid	X	X				
FCSB-03(17'-19')	480-139069-3	7/16/2018	Solid	X	X				
FCGP-01(26'-30')	480-139069-4	7/17/2018	Water	X					
FCSB-08(0-0.5')	480-139069-5	7/17/2018	Solid	X	X				
FCSB-08(16.5'-18.5')	480-139069-6	7/17/2018	Solid	X	X	X	X	X	
TRIP BLANK	480-139267-1	7/18/2018	Water	X					
FCGP-02(26'-30')	480-139267-2	7/18/2018	Water	X					

Sample ID	Lab ID	Sample Collection Date	Sample Type	Analysis					
				VOC	SVOC	Pest	PCB	MET	MISC
FCGP-02(36'-40')	480-139267-3	7/18/2018	Water	X					
FCGP-02(46'-50')	480-139267-4	7/18/2018	Water	X					
FCGP-02(52'-58')	480-139267-5	7/18/2018	Water	X					
FCSB-09(0-0.5')	480-139267-6	7/18/2018	Solid	X	X				
FCSB-09(21.5'-23.5')	480-139267-7	7/19/2018	Solid	X	X	X	X	X	
FCGP-03(26'-30')	480-139267-8	7/19/2018	Water	X					
FCSB-05(1'-1.5')	480-139267-9	7/19/2018	Solid	X	X				
FCSB-05(15.5'-17')	480-139267-10	7/19/2018	Solid	X	X	X	X	X	
FCSB-05(18'-19.5')	480-139267-11	7/19/2018	Solid	X	X				
FCSB-10(0-0.5')	480-139267-12	7/19/2018	Solid	X	X				
TRIP BLANK	480-139324-1	7/19/2018	Water	X					
FCGP-04(25'-29')	480-139324-2	7/19/2018	Water	X					
FCGP-06(25'-29')	480-139324-3	7/19/2018	Water	X					
FCSB-10(16.5'-18.5')	480-139324-4	7/19/2018	Solid	X	X	X	X	X	
FCSB-04(0'-0.5')	480-139324-5	7/20/2018	Solid	X	X				
FCSB-04(17.5'-19.5')	480-139324-6	7/20/2018	Solid	X	X	X	X	X	

ORGANIC ANALYSES
VOCS & SVOCS

	Reported		Performance Acceptable		Not
	No	Yes	No	Yes	Required
1. Holding times		X		X	
2. Blanks					
A. Method blanks		X	X		
B. Trip blanks		X	X		
C. Field blanks					X
3. Matrix spike (MS) %R		X	X		
4. Matrix spike duplicate (MSD) %R		X	X		
5. MS/MSD precision (RPD)		X	X		
6. Laboratory control sample (LCS) &LCS Duplicate (LCSD) %R & RPD		X	X		
7. Surrogate spike recoveries		X	X		
8. Instrument performance check		X		X	
9. Internal standard retention times and areas		X		X	
10. Initial calibration RRF's and %RSD's		X		X	
11. Continuing calibration RRF's and %D's		X		X	
12. Transcriptions – quant report vs. Form I		X		X	
13. Field duplicates RPD					X

VOCs - volatile organic compounds %D - percent difference RRF - relative response factor
%R - percent recovery %RSD - percent relative standard deviation RPD - relative percent difference

Comments:
Performance was acceptable, except the following:

2A&B. The following VOCs were detected in the method or trip blank: acetone and toluene. The following VOCs were qualified as non-detect (UB): acetone in samples FCGP-06 (25-29), FCSB-04 (0-0.5), FCSB-04 (17.5-19.5), FCSB-05 (18-19), FCSB-09 (21.5-23.5) and FCSB-05 (15.5-17); and toluene in samples DWSS-04 (9-10), FCSB-06 (20-22) and FCSB-07 (17-19).

The following SVOCs were detected in the method blank bis(2-ethylhexyl) phthalate, diethyl phthalate and naphthalene. The following SVOCs were qualified as non-detect (UB): bis(2-ethylhexyl) phthalate in samples FCSB-13 (0.5-2.5), FCSB-14 (0.5-2.5) and FCSB-15 (0.5-2.5); diethyl phthalate in sample FCSB-13 (0.5-2.5); and naphthalene in sample FCSB-03 (17-19).

3-5. The %Rs in the MS and/or MSD were below the QC limits for all VOCs except bromomethane, chloroethane, dichlorodifluoromethane, methyl acetate, methyl tert-butyl ether and methylene chloride associated with samples DWSS-01(5'-6'), DWSS-03(1.5'-2.5'), DWSS-04(9'-10'), FCSB-12(0'-0.5'), FCSB-12(20'-22'), FCSB-06(0'-0.5'), FCSB-06(20'-22'), FCSB-07(4"-10"), FCSB-07(17'-19'), FCSB-01(4"-10"), FCSB-01(16'-18')and FCSB-01A(0-2"). All VOCs except bromomethane, chloroethane, dichlorodifluoromethane, methyl acetate, methyl tert-butyl ether and methylene chloride were qualified as estimated (J/UJ) in samples DWSS-01(5'-6'), DWSS-03(1.5'-2.5'), DWSS-04(9'-10'), FCSB-12(0'-0.5'), FCSB-12(20'-22'), FCSB-06(0'-0.5'), FCSB-06(20'-22'), FCSB-07(4"-10"), FCSB-07(17'-19'), FCSB-01(4"-10"), FCSB-01(16'-18')and FCSB-01A(0-2").

The VOC %Rs in the MS and/or MSD were below the QC limits for VOC 1,2-dichlorobenzene and methyl acetate associated with samples TRIP BLANK, FCGP-02(26'-30'), FCGP-02(36'-40'), FCGP-02(46'-50'), FCGP-02(52'-58') and FCGP-03(26'-30') and were qualified as an estimated detection limit (UJ).

The VOC %Rs in the MS and/or MSD were below the QC limits for VOC 1,1,2,2-tetrachloroethane, 1,2-dibromo-3-chloropropane, 1,2-dibromoethane, 1,2-dichloroethane, 2-butanone (MEK), 4-methyl-2-pentanone (MIBK), acetone and chloroethane and RPD MS/MSD above QC limits for bromomethane and chloroethane associated with samples FCSB-10(16.5'-18.5'), FCSB-04(0'-0.5'), FCSB-04(17.5'-19.5'), FCSB-09(0-0.5'), FCSB-09(21.5'-23.5'), FCSB-05(1'-1.5'), FCSB-05(15.5'-17'), FCSB-05(18'-19.5') and FCSB-10(0-0.5'). The following VOCs were qualified as estimated (J/UJ): 1,1,2,2-tetrachloroethane, 1,2-dibromo-3-chloropropane, 1,2-dibromoethane, 1,2-dichloroethane, 2-butanone (MEK), 4-methyl-2-pentanone (MIBK), acetone and chloroethane in associated samples.

5. The SVOC RPD in the MS/MSD was above QC limits for benzo[g,h,i]perylene associate with samples FCSB-04 (17.5'-19.5'), FCSB-10 (16.5'-18.5') and FCSB-04 (0'-0.5'). It was not detected therefore qualification of the data was not necessary.

6. The SVOC %R in the LCS for hexachlorocyclopentadiene was above above the QC limit associated with samples FCSB-16 (0.5'-2.5'), FCSB-14 (0.5'-2.5'), FCSB-15 (0.5'-2.5') and FCSB-13 (0.5'-2.5'). It was not detected therefore qualification of the data was not necessary.

7. The SVOC %Rs were zero for all surrogates in sample DWSS-03(1.5'-2.5'). All SVOCs were qualified as unusable (R) in sample DWSS-03(1.5'-2.5').

   The SVOC %Rs were below the QC limits for surrogate's phenol-d5 and 2-fluorophenol in sample FCSB-07(17-19). This sample was reanalyzed outside of holding time with surrogates within QC limits. No SVOCs were detected in the sample and the original sample was reported with the following compounds qualified as an estimated detection limit (UJ): 2-chlorophenol, 2-methylphenol, 4-methylphenol, acetophenone, benzaldehyde, bis(2-chloroethyl)ether, hexachloroethane, n-nitrosodi-n-propylamine and phenol.

ORGANIC ANALYSES
Pesticides & PCBs

	Reported		Performance Acceptable		Not
	No	Yes	No	Yes	Required
1. Holding times		X		X	
2. Blanks					
A. Method blanks		X	X		
B. Field blanks					X
3. Matrix spike (MS) %R		X	X		
4. Matrix spike duplicate (MSD) %R		X	X		
5. MS/MSD precision (RPD)		X		X	
6. Laboratory control sample (LCS) %R		X		X	
7. Surrogate spike recoveries		X	X		
8. Internal standard retention times and areas		X		X	
9. Initial calibration %RSD's		X		X	
10. Continuing calibration %D's		X		X	
11. Transcriptions – quant report vs. Form I		X		X	
12. Field duplicates RPD					X

PCBs – Polychlorinated Biphenyls
%R - percent recovery
%D - percent difference
%RSD - percent relative standard deviation
RRF - relative response factor
RPD - relative percent difference

Comments:
Performance was acceptable.

2A. The following pesticides were detected in the method blank: gamma-BHC and delta-BHC. The following pesticides were qualified as non-detect (UB): gamma-BHC in samples FCSB-04 (17.5-19.5), FCSB-10 (16.5-18.5) and FCSB-09 (21.5-23.5) and delta-BHC in samples FCSB-04 (17.5-19.5) and FCSB-10 (16.5-18.5).

3&4. The %Rs were zero for beta-BHC, endrin, endosulfan I, endosulfan II and methoxychlor in the MS and MSD associated with samples DWSS-03 (1.5'-2.5'), FCSB-13 (0.5'-2.5'), FCSB-12 (20'-22') and FCSB-08 (16.5'-18.5'). Beta-BHC, endrin, endosulfan I, endosulfan II and methoxychlor were qualified as unusable (R) if non-detect in samples DWSS-03 (1.5'-2.5'), FCSB-13 (0.5'-2.5'), FCSB-12 (20'-22') and FCSB-08 (16.5'-18.5').

The %Rs were above the QC limits for 4,4'-DDD, delta-BHC and endosulfan sulfate in the MS and MSD associated with samples DWSS-03 (1.5'-2.5'), FCSB-13 (0.5'-2.5'), FCSB-12 (20'-22') and FCSB-08 (16.5'-18.5'). 4,4'-DDD was qualified as estimated (J) in sample FCSB-12 (20'-22').

7. The pesticide %Rs were zero for all surrogates in sample FCSB-13(0.5'-2.5'); zero for tetrachloro-m-xylene in sample DWSS-03(1.5'-2.5'); and zero for decachlorobiphenyl in sample FCSB-05(15.5'-17'). All pesticides were qualified as unusable (R) if not detected and estimated bias low (JL) if detected in sample FCSB-13(0.5'-2.5') and DWSS-03(1.5'-2.5').

The PCB %Rs were below QC limits for the original and duel column confirmation for decachlorobiphenyl and in the duel column confirmation for tetrachloro-m-xylene in sample DWSS-03

(1.5'-2.5'). The original column was report with DWSS-03 (1.5'-2.5') and no qualification of the data was necessary.

INORGANIC ANALYSES
METALS

	Reported		Performance Acceptable		Not
	No	Yes	No	Yes	Required
1. Holding times		X		X	
2. Blanks					
A. Preparation and calibration blanks		X	X		
B. Field blanks					X
3. Initial calibration verification %R		X		X	
4. Continuing calibration verification %R		X		X	
5. CRDL standard %R					X
6. Interference check sample %R		X		X	
7. Laboratory control sample (LCS) %R		X		X	
8. Spike sample %R		X	X		
9. Post digestive spike sample %R		X		X	
10. Duplicate RPD		X	X		
11. Serial dilution check %D		X	X		
12. Total verse dissolved results					X
13. Field duplicates RPD					X

%R - percent recovery %D - percent difference RPD - relative percent difference

Comments:
Performance was acceptable, except the following:

2A. The following metals were detected in the initial and preparation blank: aluminum, barium, calcium, copper, cyanide, iron, magnesium, manganese, nickel, sodium and zinc. The following metals were qualified as non-detect (UB): cyanide in sample FCSB-10 (16.5-18.5) and sodium in samples FCSB-09 (21.5-23.5) and FCSB-05 (15.5-17).

8. The %Rs in the spike were below the QC limits for antimony, copper and zinc and above the QC limits for barium, potassium and vanadium in the matrix spike associated with samples DWSS-03(1.5'-2.5'), FCSB-12(20'-22') and FCSB-13(0.5'-2.5'). Antimony, copper and zinc were qualified as estimated (J/UJ) in associated samples and barium, potassium and vanadium were qualified as estimated (J) only if detected in associated samples.

The %Rs in the spike were below the QC limit for antimony and above the QC limits for aluminum, arsenic, barium, chromium, lead, magnesium, nickel, potassium, vanadium and zinc associated with samples FCSB-10(16.5'-18.5'), FCSB-04(17.5'-19.5') and FCSB-08(16.5'-18.5'). Antimony was qualified as estimated (J/UJ) in associated samples and aluminum, arsenic, barium, chromium, lead, magnesium, nickel, potassium, vanadium and zinc were qualified as estimated (J) only if detected in associated samples.

The %Rs in the spike were below the QC limit for cyanide associated with samples DWSS-03(1.5'-2.5'), FCSB-12(20'-22'), FCSB-10(16.5'-18.5') and FCSB-04(17.5'-19.5') and above the QC limits for cyanide with samples FCSB-09(21.5'-23.5') and FCSB-05(15.5'-17'). Cyanide was qualified as an estimated

detection limit (UJ) in samples DWSS-03(1.5'-2.5'), FCSB-12(20'-22'), FCSB-10(16.5'-18.5') and FCSB-04(17.5'-19.5').

10. The RPD was above the QC limits in the duplicate for copper associated with DWSS-03(1.5'-2.5'), FCSB-12(20'-22') and FCSB-13(0.5'-2.5') and arsenic, chromium, lead and nickel associated with FCSB-10(16.5'-18.5'), FCSB-04(17.5'-19.5') and FCSB-08(16.5'-18.5'). The above metals were qualified as estimated (J) in the associated samples.

11. The %D was above the control limits for calcium and magnesium in the serial dilution and were qualified as estimated (J/UJ) in all samples.

D&B ENGINEERS AND ARCHITECTS, P.C.

DATA VALIDATION AND QUALIFICATION SUMMARY **Laboratory Numbers: 480-138814**

Sample ID	Analyte(s)	Qualifier	Reason(s)
VOCs			
FCGP-06 (25-29), FCSB-04 (0-0.5), FCSB-04 (17.5-19.5), FCSB-05 (18-19), FCSB-09 (21.5-23.5) and FCSB-05 (15.5-17)	Acetone	UB	Detected in the method or trip blank
DWSS-04 (9-10), FCSB-06 (20-22) and FCSB-07 (17-19)	Toluene		
DWSS-01(5'-6'), DWSS-03(1.5'-2.5'), DWSS-04(9'-10'), FCSB-12(0'-0.5'), FCSB-12(20'-22'), FCSB-06(0'-0.5'), FCSB-06(20'-22'), FCSB-07(4"-10"), FCSB-07(17'-19'), FCSB-01(4"-10"), FCSB-01(16'-18')and FCSB-01A(0-2")	All VOCs except bromomethane, chloroethane, dichlorodifluoromethane, methyl acetate, methyl tert-butyl ether and methylene chloride	J/UJ	The %Rs in the MS and/or MSD were below the QC limits
TRIP BLANK, FCGP-02(26'-30'), FCGP-02(36'-40'), FCGP-02(46'-50'), FCGP-02(52'-58') and FCGP-03(26'-30')	1,2-Dichlorobenzene and methyl acetate	UJ	The VOC %Rs in the MS and/or MSD were below the QC limits
FCSB-10(16.5'-18.5'), FCSB-04(0'-0.5'), FCSB-04(17.5'-19.5'), FCSB-09(0-0.5'), FCSB-09(21.5'-23.5'), FCSB-05(1'-1.5'), FCSB-05(15.5'-17'), FCSB-05(18'-19.5') and FCSB-10(0-0.5')	1,1,2,2-tetrachloroethane, 1,2-dibromo-3-chloropropane, 1,2-dibromoethane, 1,2-dichloroethane, 2-butanone (MEK), 4-methyl-2-pentanone (MIBK), acetone and chloroethane	J/UJ	%Rs in the MS and/or MSD were below the QC limits
SVOC			
FCSB-13 (0.5-2.5), FCSB-14 (0.5-2.5) and FCSB-15 (0.5-2.5)	Bis(2-ethylhexyl) phthalate	UB	Detected in the method blank
FCSB-13 (0.5-2.5)	Diethyl phthalate		
FCSB-03 (17-19)	Naphthalene		
DWSS-03(1.5'-2.5')	All SVOCs	R	%Rs were zero for all surrogates

Sample ID	Analyte(s)	Qualifier	Reason(s)
SVOC continued			
FCSB-07(17-19)	2-Chlorophenol, 2-methylphenol, 4-methylphenol, acetophenone, benzaldehyde, bis(2-chloroethyl)ether, hexachloroethane, n-nitrosodi-n-propylamine and phenol	UJ	SVOC %Rs were below the QC limits for surrogate's phenol-d5 and 2-fluorophenol
Pesticides & PCBs			
FCSB-04 (17.5-19.5), FCSB-10 (16.5-18.5) and FCSB-09 (21.5-23.5)	Gamma- BHC	UB	Detected in the method blank
FCSB-04 (17.5-19.5) and FCSB-10 (16.5-18.5)	Delta-BHC		
DWSS-03 (1.5'-2.5'), FCSB-13 (0.5'-2.5'), FCSB-12 (20'-22') and FCSB-08 (16.5'-18.5')	Beta-BHC, endrin, endosulfan I, endosulfan II and methoxychlor	R	The %Rs were zero in the MS and MSD associated
FCSB-12 (20'-22')	4,4'-DDD	J	The %Rs were above the QC limits in the MS and MSD
FCSB-13(0.5'-2.5')	All pest	R/JL	The pest %Rs were zero for all surrogates
DWSS-03(1.5'-2.5')			The pest %R was zero for tetrachloro-m-xylene
Metals			
FCSB-10 (16.5-18.5)	Cyanide	UB	Detected in the initial and preparation blank
FCSB-09 (21.5-23.5) and FCSB-05 (15.5-17)	Sodium		
DWSS-03(1.5'-2.5'), FCSB-12(20'-22') and FCSB-13(0.5'-2.5'). and	Antimony, copper and zinc	J/UJ	The % Rs in the spike were below the QC limits
	Barium, potassium and vanadium.	J only if detected	The %Rs in the spike were above the QC limit
FCSB-10(16.5'-18.5'), FCSB-04(17.5'-19.5') and FCSB-08(16.5'-18.5')	Antimony	J/UJ	The %Rs in the spike were below the QC limit
	Aluminum, arsenic, barium, chromium, lead, magnesium, nickel, potassium, vanadium and zinc	J only if detected	The %Rs in the spike were above the QC limit

Sample ID	Analyte(s)	Qualifier	Reason(s)
Metals continued			
DWSS-03(1.5'-2.5'), FCSB-12(20'-22'), FCSB-10(16.5'-18.5') and FCSB-04(17.5'-19.5')	Cyanide	UJ	The %Rs in the spike were below the QC limit
DWSS-03(1.5'-2.5'), FCSB-12(20'-22') and FCSB-13(0.5'-2.5')	Copper	J	The RPD was above the QC limits in the duplicate
FCSB-10(16.5'-18.5'), FCSB-04(17.5'-19.5') and FCSB-08(16.5'-18.5')	Arsenic, chromium, lead and nickel		
All samples	Calcium and magnesium	J/UJ	The %D was above the control limits in the serial dilution

VALIDATION PERFORMED BY & DATE:	Donna M. Brown 10/10/18
VALIDATION PERFORMED BY SIGNATURE:	

D&B ENGINEERS AND ARCHITECTS, P.C.

DATA VALIDATION CHECKLIST

Project Name:	25 Field Court, Kingston, New York
Project Number:	3150-39
Sample Date(s):	July 24, 2018
Sample Team:	S. Rosenberg
Matrix/Number of Samples:	Soil/ 0 Water/ 4 Trip Blanks /1 Field Blanks/0
Analyzing Laboratory:	Test America, Amherst, New York
Analyses:	Volatile Organic Compounds (VOCs): by SW846 8260C
Laboratory Report No:	480-139432 Date: 8/7/2018

ANALYTICAL DATA PACKAGE DOCUMENTATION GENERAL INFORMATION

	Reported		Performance Acceptable		Not
	No	Yes	No	Yes	Required
1. Sample results		X		X	
2. Parameters analyzed		X		X	
3. Method of analysis		X		X	
4. Sample collection date		X		X	
5. Laboratory sample received date		X		X	
6. Sample analysis date		X		X	
7. Copy of chain-of-custody form signed by Lab sample custodian		X		X	
8. Narrative summary of QA or sample problems provided		X		X	

QA - quality assurance

Comments:

A validation was conducted on the data package and any applicable qualification of the data was determined using the USEPA National Functional Guidelines of Organic Data Review, January 2017, method performance criteria, and D&B Engineers and Architects, P.C. professional judgment. The qualification of data discussed within this data validation checklist did not impact the usability of the sample results.

D&B ENGINEERS AND ARCHITECTS, P.C.

Custody Numbers: 480-139432
SAMPLE AND ANALYSIS LIST

Sample ID	Lab ID	Sample Collection Date	Sample Type	Analysis					
				VOC	SVOC	Pest	PCB	MET	MISC
TRIP BLANK	480-139432-1	7/24/2018	Water	X					
FCGP-07 (36'-40')	480-139432-2	7/24/2018	Water	X					
FCGP-07 (46'-50')	480-139432-3	7/24/2018	Water	X					
FCGP-07 (56'-60')	480-139432-4	7/24/2018	Water	X					
FCGP-07 (66'-70')	480-139432-5	7/24/2018	Water	X					

D&B ENGINEERS AND ARCHITECTS, P.C.

ORGANIC ANALYSES
VOCS

	Reported		Performance Acceptable		Not
	No	Yes	No	Yes	Required
1. Holding times		X		X	
2. Blanks					
A. Method blanks		X	X		
B. Trip blanks		X	X		
C. Field blanks					X
3. Matrix spike (MS) %R		X		X	
4. Matrix spike duplicate (MSD) %R		X		X	
5. MS/MSD precision (RPD)		X		X	
6. Laboratory control sample (LCS) %R		X	X		
7. Surrogate spike recoveries		X		X	
8. Instrument performance check		X		X	
9. Internal standard retention times and areas		X		X	
10. Initial calibration RRF's and %RSD's		X		X	
11. Continuing calibration RRF's and %D's		X		X	
12. Transcriptions – quant report vs. Form I		X		X	
13. Field duplicates RPD					X

VOCs - volatile organic compounds
%R - percent recovery
%D - percent difference
%RSD - percent relative standard deviation
RRF - relative response factor
RPD - relative percent difference

Comments:
Performance was acceptable, except the following:

2A&B. The following VOCs were detected in the method or trip blank: acetone and carbon disulfide. Acetone was qualified as non-detect (UB) in sample FCGP-07 (66'-70').

6. The %R in the LCS was above the QC limits for 2-hexanone associated with all samples. It was not detected in the sample therefore qualification of the data was not necessary.

D&B ENGINEERS AND ARCHITECTS, P.C.

DATA VALIDATION AND QUALIFICATION SUMMARY

Laboratory Numbers: 480-139432

Sample ID	Analyte(s)	Qualifier	Reason(s)
VOCs			
FCGP-07 (66'-70')	Acetone	UB	Detected in the method or trip blank

VALIDATION PERFORMED BY & DATE:	Donna M. Brown 10/4/18
VALIDATION PERFORMED BY SIGNATURE:	

D&B ENGINEERS AND ARCHITECTS, P.C.

DATA VALIDATION CHECKLIST

Project Name:	25 Field Court, Kingston, New York
Project Number:	3150-39
Sample Date(s):	August 7, 2018
Sample Team:	P. Barusich
Matrix/Number of Samples:	Soil/ 1 Water/ 7 Trip Blanks /1 Field Blanks/0
Analyzing Laboratory:	Test America, Amherst, New York
Analyses:	Volatile Organic Compounds (VOCs): by SW846 8260C Semi Volatile Organic Compounds (SVOCs): by SW846 8270D and 1,4-Dioxane by 8270D SIM Pesticides (Pest): by SW846 8081B Polychlorinated Biphenyls (PCBs): by SW846 8082A Metals: by SW846 method 6010C; mercury by method 7470A; and cyanide by method 3550C
Laboratory Report No:	480-140226 Date: 9/11/2018

ANALYTICAL DATA PACKAGE DOCUMENTATION
GENERAL INFORMATION

	Reported		Performance Acceptable		Not
	No	Yes	No	Yes	Required
1. Sample results		X		X	
2. Parameters analyzed		X		X	
3. Method of analysis		X		X	
4. Sample collection date		X		X	
5. Laboratory sample received date		X		X	
6. Sample analysis date		X		X	
7. Copy of chain-of-custody form signed by Lab sample custodian		X		X	
8. Narrative summary of QA or sample problems provided		X		X	

QA - quality assurance

Comments:

A validation was conducted on the data package and any applicable qualification of the data was determined using the USEPA National Functional Guidelines of Organic Data Review, January 2017 or USEPA National Functional Guidelines of Inorganic Data Review, January 2017, method performance criteria, and D&B Engineers and Architects, P.C. professional judgment. The qualification of data discussed within this data validation checklist did not impact the usability of the sample results.

D&B ENGINEERS AND ARCHITECTS, P.C.

Custody Numbers: 480-140226
SAMPLE AND ANALYSIS LIST

Sample ID	Lab ID	Sample Collection Date	Sample Type	Analysis					
				VOC	SVOC	Pest	PCB	MET	MISC
TRIP BLANK	480-140226-1	8/7/2018	Water	X					
FCMW-06	480-140226-2	8/7/2018	Water	X				X	
FCMW-01	480-140226-3	8/7/2018	Water	X				X	
FCMW-04	480-140226-4	8/7/2018	Water	X				X	
FCMW-02	480-140226-5	8/7/2018	Water	X	X	X	X	X	
FCMW-03	480-140226-6	8/7/2018	Water	X	X	X	X	X	
FCMW-05	480-140226-7	8/7/2018	Water	X	X	X	X	X	
GROUNDWATER WC	480-140226-10	8/7/2018	Water	Waste characterization not part of this validation					
SOIL WC	480-140226-11	8/7/2018	Solid	Waste characterization not part of this validation					

ORGANIC ANALYSES
VOCS &SVOCS

	Reported		Performance Acceptable		Not
	No	Yes	No	Yes	Required
1. Holding times		X		X	
2. Blanks					
A. Method blanks		X	X		
B. Trip blanks		X	X		
C. Field blanks					X
3. Matrix spike (MS) %R					X
4. Matrix spike duplicate (MSD) %R					X
5. MS/MSD precision (RPD)					X
6. Laboratory control sample (LCS) &LCS Duplicate (LCSD) %R & RPD		X	X		
7. Surrogate spike recoveries		X		X	
8. Instrument performance check		X		X	
9. Internal standard retention times and areas		X		X	
10. Initial calibration RRF's and %RSD's		X		X	
11. Continuing calibration RRF's and %D's		X		X	
12. Transcriptions – quant report vs. Form I		X		X	
13. Field duplicates RPD					X

VOCs - volatile organic compounds %D - percent difference RRF - relative response factor
%R - percent recovery %RSD - percent relative standard deviation RPD - relative percent difference

Comments:
Performance was acceptable, except the following:

2A&B. The VOC acetone was detected in the trip blank. Acetone was not detected in samples therefore qualification of the data was not necessary.

The SVOC di-n-butyl phthalate was detected in the method blank. The SVOC di-n-butyl phthalate was qualified as non-detect (UB) in samples FCMW-02, FCMW-03 and FCMW-05.

6. The %Rs in the LCS and/or LCSD were above the QC limits for SVOC 2,4-dinitrotoluene, 2,6-dinitrotoluene, atrazine, dimethyl phthalate and isophorone associated with all water samples. These compounds were not detected in the samples therefore qualification of the data was not necessary.

D&B ENGINEERS AND ARCHITECTS, P.C.

ORGANIC ANALYSES
Pesticides & PCBs

	Reported		Performance Acceptable		Not
	No	Yes	No	Yes	Required
1. Holding times		X		X	
2. Blanks					
A. Method blanks		X		X	
B. Field blanks					X
3. Matrix spike (MS) %R					X
4. Matrix spike duplicate (MSD) %R					X
5. MS/MSD precision (RPD)					X
6. Laboratory control sample (LCS) &LCS Duplicate (LCSD) %R & RPD		X	X		
7. Surrogate spike recoveries		X	X		
8. Internal standard retention times and areas		X		X	
9. Initial calibration %RSD's		X		X	
10. Continuing calibration %D's		X		X	
11. Transcriptions – quant report vs. Form I		X		X	
12. Field duplicates RPD					X

PCBs – Polychlorinated Biphenyls
%R - percent recovery
%D - percent difference
%RSD - percent relative standard deviation
RRF - relative response factor
RPD - relative percent difference

Comments:
Performance was acceptable, except the following:

6. The %R was above the QC limit for pesticide LCS beta-BHC in samples FCMW-02, FCMW-03 and FCMW-05. It was not detected in the associated samples therefore qualification of the data was not necessary.

7. The %R was above the QC limit for the pesticide surrogate tetrachloro-m-xylene in samples FCMW-02, FCMW-03 and FCMW-05. Pesticides were not detected in the associated samples therefore qualification of the data was not necessary.

INORGANIC ANALYSES
METALS

	Reported		Performance Acceptable		Not
	No	Yes	No	Yes	Required
1. Holding times		X		X	
2. Blanks					
A. Preparation and calibration blanks		X	X		
B. Field blanks					X
3. Initial calibration verification %R		X		X	
4. Continuing calibration verification %R		X		X	
5. CRDL standard %R					X
6. Interference check sample %R		X		X	
7. Laboratory control sample (LCS) %R		X	X		
8. Spike sample %R		X		X	
9. Post digestive spike sample %R		X		X	
10. Duplicate RPD		X		X	
11. Serial dilution check %D		X		X	
12. Total verse dissolved results		X		X	
13. Field duplicates RPD					X

%R - percent recovery %D - percent difference RPD - relative percent difference

Comments:
Performance was acceptable, except the following:

2A. Total potassium, manganese and zinc and dissolved zinc were detected in the initial and preparation blank. The following metals were qualified as non-detect (UB): total manganese in sample FCMW-02; total zinc in samples FCMW-02, FCMW-03 and FCMW-05; and dissolved zinc in samples FCMW-02 and FCMW-03.

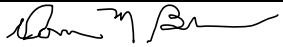
7. The %R was below the QC limit in the LCS for cyanide and was reanalyzed outside of holding times for samples FCMW-02, FCMW-03 and FCMW-05. The original analyses were reported and qualified as estimated (J/UJ) in associated samples.

D&B ENGINEERS AND ARCHITECTS, P.C.

DATA VALIDATION AND QUALIFICATION SUMMARY

Laboratory Numbers: 480-140226

Sample ID	Analyte(s)	Qualifier	Reason(s)
VOCs			
No qualification of the data was necessary.			
SVOC			
FCMW-02, FCMW-03 and FCMW-05	Di-n-butyl phthalate	UB	Detected in the method blank
Pesticides & PCBs			
No qualification of the data was necessary.			
Metals			
FCMW-02	Total manganese	UB	Detected in the initial and preparation blank
FCMW-02, FCMW-03 and FCMW-05	Total zinc		
FCMW-02 and FCMW-03	Dissolved zinc		
FCMW-02, FCMW-03 and FCMW-05	Cyanide	J/UJ	The %R was below the QC limit in the LCS and the original analyses were reported

VALIDATION PERFORMED BY & DATE:	Donna M. Brown 10/10/18
VALIDATION PERFORMED BY SIGNATURE:	

D&B ENGINEERS AND ARCHITECTS, P.C.

DATA VALIDATION CHECKLIST

Project Name:	25 Field Court, Kingston, New York
Project Number:	3150-39
Sample Date(s):	August 29, 2018
Sample Team:	P. Barusich
Matrix/Number of Samples:	Water/ 3 Field Duplicate/ 1 Trip Blanks /0 Field Blanks/1
Analyzing Laboratory:	Test America, Sacramento, California
Analyses:	Fluorinated Alkyl Substances (PFAs): by 537
Laboratory Report No:	320-42723 Date: 9/7/2018

ANALYTICAL DATA PACKAGE DOCUMENTATION GENERAL INFORMATION

	Reported		Performance Acceptable		Not
	No	Yes	No	Yes	Required
1. Sample results		X		X	
2. Parameters analyzed		X		X	
3. Method of analysis		X		X	
4. Sample collection date		X		X	
5. Laboratory sample received date		X		X	
6. Sample analysis date		X		X	
7. Copy of chain-of-custody form signed by Lab sample custodian		X		X	
8. Narrative summary of QA or sample problems provided		X		X	

QA - quality assurance

Comments:

A validation was conducted on the data package and any applicable qualification of the data was determined using the USEPA National Functional Guidelines of Organic Data Review, January 2017, method performance criteria, and D&B Engineers and Architects, P.C. professional judgment. The qualification of data discussed within this data validation checklist did not impact the usability of the sample results.

D&B ENGINEERS AND ARCHITECTS, P.C.

Custody Numbers: 320-42723
SAMPLE AND ANALYSIS LIST

Sample ID	Lab ID	Sample Collection Date	Sample Type	Analysis					
				PFAs	SVOC	Pest	PCB	MET	MISC
FCMW-02	320-42723-1	8/29/2018	Water	X					
FCMW-03	320-42723-2	8/29/2018	Water	X					
FCMW-05	320-42723-3	8/29/2018	Water	X					
Blind Duplicate (FCMW-03)	320-42723-4	8/29/2018	Water	X					
Field Blank	320-42723-5	8/29/2018	Water	X					

D&B ENGINEERS AND ARCHITECTS, P.C.

ORGANIC ANALYSES
PFAs

	Reported		Performance Acceptable		Not
	No	Yes	No	Yes	Required
1. Holding times		X		X	
2. Blanks					
A. Method blanks		X	X		
B. Trip blanks					X
C. Field blanks		X	X		
3. Matrix spike (MS) %R		X		X	
4. Matrix spike duplicate (MSD) %R		X		X	
5. MS/MSD precision (RPD)		X		X	
6. Laboratory control sample (LCS) %R		X		X	
7. Surrogate spike recoveries		X		X	
8. Instrument performance check		X		X	
9. Initial calibration RRF's and %RSD's		X		X	
10. Continuing calibration RRF's and %D's		X		X	
11. Transcriptions – quant report vs. Form I		X		X	
12. Field duplicates RPD					X

VOCs - volatile organic compounds
%R - percent recovery
%D - percent difference
%RSD - percent relative standard deviation
RRF - relative response factor
RPD - relative percent difference

Comments:
Performance was acceptable, except the following:

2A&C. Perfluorohexanesulfonic acid (PFHxS) was detected in the method or field blank. Based on the samples concentration qualification of the data was not necessary.

D&B ENGINEERS AND ARCHITECTS, P.C.

DATA VALIDATION AND QUALIFICATION SUMMARY

Laboratory Numbers: 320-42723

Sample ID	Analyte(s)	Qualifier	Reason(s)
PFAs			
No qualification of the data was necessary.			

VALIDATION PERFORMED BY & DATE:	Donna M. Brown 10/4/18
VALIDATION PERFORMED BY SIGNATURE:	