



Closure Certification Report: Hazardous Waste Generating Operations Former Konica Minolta Graphic Imaging

USA Inc. Facility
Glen Cove, New York

USEPA ID No. NYD002056679

Prepared for:

Konica Minolta Graphic Imaging USA, Inc.
c/o Mr. John Geary
EQ Northeast, Inc.
185 Industrial Road, PO Box 617
Wrentham, MA 02093

and

Ms. Katy Murphy
NYS Department of Environmental Conservation
Division of Environmental Remediation, Region 1
Stony Brook University
50 Circle Road
Stony Brook, New York 11790-3409

Prepared by:

Apex Companies, LLC
Apex Engineering, P.C.
120-D Wilbur Place
Bohemia, New York 11716

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CLOSURE CERTIFICATION REPORT

**FORMER KONICA MINOLTA GRAPHIC
IMAGING USA INC., FACILITY**



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CLOSURE CERTIFICATION REPORT: HAZARDOUS WASTE GENERATING OPERATIONS

FORMER KONICA MINOLTA GRAPHIC IMAGING USA INC, FACILITY
71 CHARLES STREET
GLEN COVE, NEW YORK

USEPA ID NO: NYD002056679

1.0 INTRODUCTION

Konica Minolta Graphic Imaging USA, Inc. (Konica Minolta) has completed demolition / closure of all operations at their former facility located at 71 Charles Street, Glen Cove, Nassau County, New York (Former Konica Minolta Facility). As part of the closure process, several former hazardous waste generating operations required closure in accordance with Federal, State and Local (e.g., Nassau County) regulations. This Closure Certification Report (CCR) outlines the environmental site investigation and soil remediation program implemented to meet the applicable environmental regulations that pertain to the cessation of hazardous waste generating operations.

A Location Map indicating the general facility location within Nassau County, New York is included on **Figure 1-1**. A Site Plan indicating the layout of former on-site buildings and selected infrastructure is provided on **Figure 1-2**.

This CCR covers the following project components:

1. Evaluation of Areas of Concern (AOCs) and historic waste-generating operations;
2. Collection and analyses of sub-surface samples to evaluate soil conditions on an Area of Concern (AOC)-by-AOC basis and groundwater conditions on a site-wide basis; and,
3. Remediation of impacted soils by excavation and disposal, and collection / analyses of confirmatory, end-point soil samples.

1.1 Background Information and Facility Setting

The Former Konica Minolta Facility consisted of several buildings and structures that were formerly owned and operated by the Columbia Ribbon and Carbon Manufacturing Company (Columbia) from circa 1930 to 1979. The Columbia Buildings (i.e., Buildings C1, C1A, C2, C3, C4, C5 and C6) were purchased by Konica Minolta from Columbia Ribbon in 1979. The Main Building was purchased circa 1987.

The USEPA ID Number for the facility is NYD002056679 and Konica Minolta was a Large Quantity Generator (LQG). No treatment of hazardous waste was, or is, performed at the facility and hazardous wastes were stored for less than 90 days. Therefore, the facility was not required to have a treatment, storage or disposal (TSD) permit. This CCR addresses permanent and complete facility Closure.

Termination of operations and partial closure activities have been ongoing since 2002 when several operations were shut-down. Since 2002, there have been multiple site investigations and remedial actions performed both through the Resource Conservation and Recovery Act (RCRA) Closure process and through the New York State Department of Environmental Conservation (NYSDEC) Inactive Hazardous Waste Disposal Site (IHWDS) program. The NYSDEC-approved Closure Plan (March 25, 2013 approval date) was prepared to consolidate multiple documents prepared by others to meet the applicable¹ RCRA requirements for closure as regulated in New York State in 6 New York Code of Rules and Regulations (NYCRR) Part 373-3.7. Remedial requirements under the NYSDEC IHWDS program are not covered herein and have been managed / reported separately by others. The investigation, remediation and closure of three NYSDEC Spill incidents were addressed both by the NYSDEC RCRA and Spills programs.

The actual planning process to properly close former operations that either generated hazardous wastes or used hazardous materials began circa January 2012 when Konica Minolta, through Apex Companies, LLC / Apex Engineering, P.C.² (Apex), informed NYSDEC of Konica Minolta's intent to close.

Prior to demolition activities, the Former Konica Minolta Facility (i.e., the "Site") was comprised of a number of former buildings, courtyards, lots and paved / grassed areas. The overall site layout prior to demolition is provided in **Figure 1-2**. The total area of the site is approximately 19 acres and the total building area (including multi-story structures) was approximately 400,000 square feet (i.e., 9.18 acres) prior to their demolition.

The Site is located at 71 Charles Street in Glen Cove, New York and is bounded by Charles Street, Herb Hill Road, Dickson Lane and The Place. The properties immediately surrounding the site are:

¹ It is important to note that Konica Minolta is a waste generator only and not a Treatment Storage and Disposal Facility (TSDF). Therefore, only the Closure Requirements requirements for waste generators in 6 NYCRR Part 373-3.7 are applicable.

² Engineering services required for the project were completed by Apex Engineering, P.C., a Professional Corporation licensed to perform engineering services in New York State.

- **North:** Residential properties and Konica Minolta's former Bobley Building (this building was demolished during the RCRA investigation / soil remediation program);
- **South:** The former Li Tungsten site, an aggregate mix facility and Dyckman Laundry;
- **West:** Undeveloped property owned by Li Tungsten; and,
- **East:** Konica Minolta's former Administrative Building No. 9 and parking lot, and residential properties.

The topography of the site varies significantly with the northern portions of the site generally at higher elevation (50 to 62 feet above mean sea level [amsl]) than the southern portion of the site (18 to 46 feet amsl). A retaining wall and series of steps, which were demolished / removed as part of Closure remediation activities, originally separated the upper portion of the facility (i.e., the North Lot Area and portions of the Main Building) from the lower portion of the facility that includes the locations of the former Columbia Building Warehouses and South Lot Area. The steep slope separating the upper and lower areas of the site was heavily vegetated. A 150,000 gallon water tank was present at the top of the retaining wall adjacent to the North Lot Area, but was demolished prior to initiation of RCRA closure activities.

Based upon review of the United States Geological Survey (USGS) groundwater elevation maps for 2006, local groundwater flows regionally toward the south-southwest in the direction of Glen Cove Creek. Groundwater underlying the site at the North Lot Area was encountered at approximately ten feet below grade surface (bgs) depending upon the location-specific topographic elevation in the area. Given that there is a significant drop-off in surface elevation from the North Lot Area toward the southern section of the site (i.e., greater than ten feet), it is likely that the depth to water measured at the North Lot Area represents a perched water condition. During the remediation of impacted soils as part of RCRA closure, the depth to water varied greatly across the Site from just below the ground surface to greater than ten-feet bgs. This variation in the depth to water is believed to be a combination of the following two factors: 1) perched versus non-perched water table conditions due to the presence of discontinuous silt / clay layers; and, 2) changes in water table conditions in response to high-precipitation-rate meteorological events which occurred throughout the investigation and soil remediation portions of the Closure project. The nearest surface water body is the Glen Cove Creek, located approximately 400 feet south-southeast of the Site. This creek discharges into Hempstead Bay, which feeds into Long Island Sound. Hempstead Bay is located approximately three-quarters of a mile to the west of the Site.

As of June 2012, all former hazardous materials stored or used on-site historically had been removed and pipelines and miscellaneous structures had been decontaminated previously by others. In addition, many areas of the Site had been investigated either completely or partially, and the entire Site had undergone demolition. As a worker safety measure, the closure activities and closure confirmation sampling program for areas that had not already been investigated and / or remediated were completed following the completion of demolition of former on-site, above-grade infrastructure and removal of associated debris.

Although the walls and roof structures were demolished before conducting environmental closure activities, a thorough evaluation of historic processing areas was completed so that former operations areas could be located following demolition activities. Upon demolition completion, the floor slabs remained in place on which the former locations of infrastructure of concern (e.g., former tanks, walls, drains, etc.) were marked out by a surveyor allowing for accurately-located, post-closure sub-slab soil borings where former hazardous materials were used or stored. Additional information for each former hazardous materials area is provided later in this CCR.

1.2 Overview of Former Facility Operations

The Site was originally improved for industrial operations in the early 1900's and initially occupied by the Ladew Company Belting Factory. Between 1915 and 1925, the Glen Cove and Sea Cliff Bus Company reportedly operated at the Site. The Powers Brothers purchased the Main Building and the buildings south of the Main Building between 1925 and 1931; and began operating Powers Chemco, which manufactured photographic film and paper, developers and fixers. At the same time, Columbia Ribbon and Carbon Company purchased the Columbia Building and adjacent structures, as well as the North Lot Area, and began the production of blue printing inks, carbon paper and typing ribbons. Powers Chemco purchased the Columbia site in 1979. Konica Minolta acquired Powers Chemco in 1987 and operated at the Site from 1987 until 2007. The Site was unoccupied since 2007.

As discussed above, due to worker safety issues, the above-grade infrastructure in all of the RCRA AOCs, which are the subject of this CCR, were demolished and the resultant debris removed by others prior to the initiation of closure sampling and remediation activities. The following is a description of the main Site structures prior to the start of demolition activities (see **Figure 1-2**).

- The Main Building (#1) contained offices, the cafeteria, labs, the central finals area, backfill room, film finishing (i.e., trimming and packaging) and the coating alleys. The Main Building was constructed in 1906.
- Adjoining Main Building structures included:

- The Emulsion Area (#17); two buildings constructed in 1959 and 1966 (according to a sprinkler drawing, the 1966 building was previously used as the maintenance shop); and,
- The Boiler Room and Icehouse; construction dates unknown (no building numbers assigned).
- The Research and Development (R&D) Building (#2) which was located to the south of the Main Building. According to plant personnel, this building was constructed in 1969 over a former x-ray film processing area.
- The Chemical Storage Tank Area (#5), construction date unknown.
- The Chemical Mixing (Chem Mix) building (#4), located to the south of the R&D Building, and its adjoining structures (built in 1906);
 - The Chem Mix Material Storage Building (#3) (built in 1956); and,
 - The Chem Mix Production Storage Building (#3) (built) in 1966.
- The No. 6 Fuel Oil Building (#6). This building was constructed in 1968 as a maintenance garage. In 1993, the maintenance pits were filled in with concrete. Two No. 6 fuel oil aboveground storage tanks (ASTs), 15,000 and 20,000 gallons in capacity, were constructed within the building.
- The Quonset Building (#C7), which was used for chemical and materials storage, was constructed some time before 1979 (this building was formerly used as a machine shop by Columbia Ribbon and Carbon).
- A former fenced-in and roofed hazardous waste and flammables storage structure (#C21). The building construction date is unknown.
- The Columbia Building (#C1), which formerly housed maintenance, engineering and warehousing, was constructed in 1903.
- Adjoining Columbia Building structures, including:
 - The Wedge (#C1A), built in 1961, which formerly housed offices on the upper floor and storage on the lower floor;
 - The Columbia Warehouse and Silver Recovery Area (#C6), built in 1956, which contained warehousing and silver-recovery equipment;
 - The International Marketing Buildings (#C2 and #C3) constructed in 1903;
 - The Central Warehouse (#C4), built in 1946; and,
 - The Order Fulfillment Hardware Warehouse (#C5), built in 1952.

- The Remedial Treatment Facility located in the North Lot Area (no building number assigned), built in 1994. This building is not included in the CCR.
- The former Wastewater Treatment Plant (#18) built in 1977. This plant has been demolished and this AOC was closed by the NYSDEC circa 2010, and is not otherwise addressed in this CCR.
- The former Human Resources (#9) or the Annex Building and parking lot located across the street from the site on Charles Street. Reportedly, x-ray film finishing was conducted in this building after the R&D building was constructed. Evidence of these processing units was noted in the 1979 ICI map.

Other site areas include the North Lot Area and the South Lot Area, as well as paved areas between buildings. The North Lot Area is currently being addressed separately from the RCRA Closure program under the NYSDEC IHWDS program and is therefore not discussed further herein. The South Lot Area contained material conveyance lines, an Oil Storage Area, the Quonset Building, and the former Waste Water Treatment Plant. Site buildings were historically heated by steam heat, generated by combustion of No. 6 fuel oil in three boilers located in the Boiler Room. A former fuel oil underground storage tank (UST) was reportedly abandoned in place and was removed as part of the demolition / closure process, as discussed in detail later in this CCR.

Other non-RCRA AOCs have been identified in association with historical operations at the Site and these areas have been and are being addressed through the NYSDEC IHWDS program or the NYSDEC Spills program. Importantly, RCRA Closure activities are intended to close the operations of Konica Minolta – not address all historic contamination caused by others. It is therefore critical to eliminate redundancy in the completion of site closure activities; coordination between the NYSDEC RCRA, Spills and IHWDS programs is very important.

1.3 Overview of Former Waste Generating Operations

The USEPA ID Number for the facility is NYD002056679. The site is classified as a LQG. No treatment of hazardous waste was, or is, performed at the facility and hazardous wastes were stored for less than 90 days. Therefore, the facility was not required to have a TSD permit.

The Resource Conservation and Recovery Act Information System (RCRIS) database indicates that the following 13 types of hazardous wastes were generated during Powers Chemco / Konica Minolta's occupancy (1979 to approximately 2007) at the Site: D001, D002, D007, D008, D011, D026, F001, F002, F003, F005, P012, U018, and U122. A copy of hazardous waste data records available for the site indicates that waste generating

summaries are available back to 1991 and were discussed in the NYSDEC-approved Closure Plan.

Film production ceased in April 2003, film finishing in 2007, and remaining employees at the Site were vacated by June 2007. Following termination of operations, all hazardous materials were reportedly properly disposed off-site by others and infrastructure related to hazardous materials operations was also reportedly drained and decontaminated and / or disposed off-site by others in advance of demolition activities. Operations at the time facility activities were ceased included coating, trimming, packaging and distribution of polyester-based, photographic film. Supporting operations included photographic paper manufacturing; bottling and distribution of photographic developers and fixers; silver reclamation; and, wastewater treatment. Historical operations are not entirely documented but were known to include operations similar to those present when operations were ceased as well as production of blue printing inks, carbon paper and typing ribbons in the Columbia Building section of the property.

Operations that were formerly hazardous waste generating and /or temporary storage operations included the following (refer to **Figure 1-2**, **Figure 1-3** [Main Building Overview Plan], and **Figure 1-4** [Columbia Building Site Map] for locations):

- Developing and photographic finishing was performed in the R&D Building;
- Silver from X-ray films was reclaimed in the vicinity of the R&D Building;
- Blue print ink production, carbon paper production / processing and typing ribbon manufacturing were reportedly completed in the Columbia Building;
- Drum staging was reportedly practiced along the north side of the Columbia Building in the North Alleyway Area;
- A company named “Photo Circuits” reportedly occupied a small part of the Main Building (basement) and conducted plating operations in the area formerly identified as Ice House No. 6;
- Wastewater treatment plant waste streams were generated in the South Lot Area (the WWTP Area has been closed by the NYSDEC in circa may 2010);
- Chemical mixing processes occurred in the Main Building support areas;
- Preparation of emulsions used in photo processing in the northeast portion of the Main Building (Buildings 16 & 17); and,
- Raw materials including silver solutions, ammonium thiosulfate, ethanol, methanol, sodium hydroxide, potassium hydroxide, toluene, xylenes, various acids (primarily citric acid and acetic acid), various photo chemicals, and

chlorinated volatile organic compounds (VOCs) were stored at the facility historically. All storage areas were addressed during closure.

Non-hazardous operations that are to be closed as part of closure include:

- Maintenance activities generating oil wastes that were reportedly practiced in the South Lot Area in the building housing the No. 6 fuel oil ASTs;
- Fuel oils and miscellaneous lubricating and / or cutting oils that were stored and used at various locations throughout the facility; and,
- Dilute water rinses / solutions that were non-hazardous (WWTP, etc.).

Asbestos, lead paint and mold were specifically not addressed in the Closure Plan or the CCR and are the responsibility of others, if determined to be present as part of demolition planning and implementation.

1.4 Hazardous versus Non-Hazardous Waste Closure

As part of the overall plant shutdown program and prior to execution of the NYSDEC-approved Closure Plan, Konica Minolta had halted both hazardous waste and non-hazardous waste-generating operations. This CCR addresses both types of former operations and distinctions are made throughout, as necessary.

For former hazardous waste-generating operations closure, the closure work (investigation and soil remediation) was completed in a formal manner in compliance with the applicable NYSDEC requirements under 6 NYCRR Part 373-3.7 and the NYSDEC-approved Closure Plan. Work included identification of former hazardous waste generating processes, collection / analyses of sub-surface samples to evaluate soil conditions on an AOC-by-AOC basis; excavation and disposal of impacted site soils, confirmation of closure effectiveness through sampling and analyses, and documentation of all activities via this CCR.

For former non-hazardous waste operations, equipment and systems were previously decontaminated as necessary to allow for the proper legal disposal as non-hazardous wastes. Although much of the non-hazardous closure work was completed in a similar manner to the hazardous waste closure work required by 6 NYCRR Part 373-3.7, some elements including confirmation of closure and closure performance standard evaluation may be less formal when addressing former non-hazardous waste operations.

1.5 Description of Hazardous Waste Operations Closed

The following is a description of current and former processes that generated hazardous wastes at the facility historically. Figures illustrating these areas from the NYSDEC-approved Closure Plan are included in **Appendix A**.

1.5.1 Main Building Area

The following are the former operations areas within the Main Building Area. Each of these was addressed as part of Closure:

- Basement Photographic Processing Areas
 - No. 3 Alley / Metering Pump Room
 - Silver Vault
 - Multiple Ice Houses
 - DI Water Generation Room
 - Film Laboratory / Dark Rooms
 - Mixing Rooms
 - Back Fill Room
- Former Emulsion / Silver Handling Areas
 - Emulsion Mix / Percolation Room
 - Raw Material Weighing Room.
 - Silver Vault
 - Ice House
 - Miscellaneous Areas
- Former Storage Areas / Central Corridor
 - Alley #1 and Alley #3
 - Storage Areas
 - Chill Water Compressor Room
 - Miscellaneous Areas

- Former Inspection and “Practica” Areas
 - Core Cutting Area
 - Practica 1 and Practica 2
 - Webtronic, KSPM, and ASHE Room
 - Inspection and Bagging Rooms
- Former Mechanical, Dryer & Loading Dock Areas
 - Alley #3 Loop Drying Mechanical Rooms and Reversers
 - Elevator Room and Miscellaneous Machining Area
 - Loading Bays

1.5.2 Former Offices, Darkroom and Cafeteria

Although no chemical processes other than a small darkroom area were located in the southeast portion of the Main Building at the time operations were ceased, review of historical plant layouts has indicated the presence of several small rooms with sinks and floor drains in the central portion of this area (see **Figure 3-6** in **Appendix A**). The former operations in this area overly the basement and were demolished and disposed off-site as part of the demolition process. The layout of the southeast portion of the Main Building at the time of closure with the known floor drains and sinks overlaid was provided in the Closure Plan.

Based upon the known operations in this area, the following former operations may have generated hazardous materials and / or wastes:

- **Dark Rooms:** Dark rooms would have contained photographic chemicals and metals, most notably silver.
- **Cafeteria:** Cafeterias may have contained grease traps that could potentially require cleaning.

1.5.3 South Lot Area Support Buildings

The South Lot Area is a general term to describe the open area between the former Main Building and the former Columbia Building on the lower half (i.e., southern half) of the Site, as well as several former Main Building support operations including the R&D Area, Chemical Mixing Buildings, former WWTP, No. 6 Oil Storage Building, and the Quonset Building (see **Figure 3-7** in **Appendix A**).

1.5.4 Research & Development (R&D) Building

The former R&D Building is located along the eastern side of the South Lot Area between the former Main Building and the former Chem Mix Building. It was a two story structure with a Ground Floor / Basement and a First Floor (see **Figures 3-8a and 3-8b** in **Appendix A**). Based upon information provided in historic drawings and provided by Konica Minolta, the following is a summary of possible, historic waste generating operations conducted in this AOC:

- **Multiple Small Labs and “Dry Rooms”:** Since this was an R&D facility, operations varied significantly over time. Therefore it has been assumed that a broad suite of metals, alcohols, VOCs and semi-volatile organic compounds (SVOCs) may have been used. Historically, there was a floor and sink drain system that discharged to one of three locations (Pit 118 which ultimately discharged to the City of Glen Cove sewer system; Pit 117 which ultimately discharged to the WWTP or to an overflow identified as MH-120; and EPA Plant Tank #3 (that was part of the permitted treatment system);
- **Emulsion Research Lab:** This portion of the R&D facility was assumed to have included operations similar to the Emulsion Mix / Percolation Room discussed above. The lab contained two sinks and several drains that discharged to either Pit 117 or Pit 118; and,
- **Auditoriums, Computer Rooms and Offices:** These former areas would not have contained hazardous materials of concern under normal operations.

Although the types of chemicals used in an R&D facility have varied, it is important to note that the quantities of chemicals used were likely very small and drains in the former building were piped to the former WWTP based upon historic drain system drawings.

1.5.5 Chemical Mix (Chem Mix) Building

The former Chem Mix Building was located at the southeast corner of the Site at the east side of the South Lot Area. Other than the former Emulsion Area and portions of the former Columbia Building, this is the main area of the facility where hazardous materials (other than oils) were stored and used in historic operations. Chemicals used included photochemicals and alcohols. Silver was reportedly not used in this portion of the facility.

Historic site plans (see **Appendix A**) for this area indicate a series of tanks storage areas and dikes, a drain system to convey fluids to treatment operations and sump pits / pumps to convey raw materials to other process operations areas. The best available historic site layout while the plant was in operation was provided in the Closure Plan also indicated the historic tank inventory in this area.

Based upon review of historic documents and discussions with Konica Minolta, the following is a summary of historic waste generating operations in the former Chem Mix Building:

- **Alcohol Room:** The former Alcohol Room was located at the northern end of the Chem Mix Building and was an explosion-proof area. Although the quality / resolution of the available drawings was poor, it appears that the former Alcohol Room contained eight, horizontal 530 gallon tanks that stored “T.E.G” which is assumed to be Triethylene Glycol based upon historical inventory data. The presence of ramps at all entrances indicates that the room was built with secondary spill containment. The former Alcohol Room contained several floor drains, trenches, and roof drains which appeared to discharge to either Pit 15 or Pit 19. Pit 15 ultimately discharged to the former WWTP. Pit 19 discharged to Pit 49 which ultimately discharged to Glen Cove Creek or to an overflow identified as Catch Basin 20, although work completed by Bowne for Konica Minolta could not verify any connection to Catch Basin 20. Given the poor condition of the old drawings and the presence of overlapping drain lines on the figure, it was difficult to determine if process area floor drains emptied to Pit 19 or whether Pit 19 (which ultimately may have discharged to Glen Cove Creek) contained exclusively roof drain stormwater without any contact with hazardous materials. Since all other areas in the facility with any potential to contact hazardous materials were piped to the treatment plant, it is probable that Pit 19 only contained hazardous materials-free stormwater from roof drains. All of these areas were addressed as part of Closure activities.
- **Tank Storage Adjacent to Alcohol Room:** A storage area containing three tanks was located immediately north of the Alcohol Room (see **Figure 3-9** in **Appendix A**). Each tank was identified as a 4,130 gallon, aboveground methanol tank. These tanks were demolished prior to the conduct of RCRA Closure activities; however, their former locations were evaluated during the soil sampling phase of the project.
- **Central Area Filling Operations:** The center of the Chem Mix Building included actual filling operations identified as the MRM Filling Machine and the Crandall Filling Machine (see **Figure 3-9** in **Appendix A**). Each of these fill machines had associated mix tanks, pumps and mixers. Based upon the historic tank data provided, the following chemicals were used in these areas: KOPT TOP Enamel Conversion Solution, Tempering Solutions, Hardeners, Developers and Fixers, Aldene and Acetic Acid. Parameters of concern relative to closure therefore would include metals, VOCs, and SVOCs. This portion of the Chem Mix Building contained several sinks and floor drains which reportedly discharged to the former water treatment plant via Pit 15 or to Pit 19 as identified above, depending upon their use (hazardous materials would have been piped to the WWTP).
- **Southern Tank Storage Area:** The southern end of the former Chem Mix Building was used for storage of Citrosol, Potassium Hydroxide, and Acetic Acid in three, ASTs of between 5,000 and 7,360 gallon capacity (see **Figure 3-9** in **Appendix A**). Drains adjacent to the tanks (outside of the tank containment berm) led to Pit 15 indicated as “sealed” on historic drawings.

- **Exterior Aldene and Ammonium Thiosulfate Tanks:** The historic layout indicates the presence of three former exterior storage tanks in the South Lot Area adjacent to the west wall of the Chem Mix Building (see **Figure 3-7** in **Appendix A**). Two of the tanks (10,000 gallon and 20,000 gallon) were used for Ammonium Thiosulfate storage. The third tank was identified as a 10,000 gallon Aldene tank. The tanks appeared to have been USTs based upon the use of a dashed line on the historic drawings³ and drawings developed by others have shown USTs in the same area as these tanks as having been “removed” but that has not been confirmed; however, their former locations were evaluated during the soil sampling phase of the project.

1.5.6 Wastewater Treatment Plant

The former WWTP received rinsewaters from drains and “pits” throughout the plant. The WWTP was located in the west – central part of the South Lot Area adjacent to the Columbia Building (see **Figure 3-7** in **Appendix A**). It was a slab-on-grade structure containing tanks, pumps, controls and miscellaneous treatment equipment and was installed and operated under an “EPA” permit based upon historic records review.⁴ The area contained four (4) 35,000 gallon tanks identified on tank registrations as Tanks 16, 17, 18, and 36. Closure / removal of these tanks has been completed by others. The NYSDEC formerly approved the closure of the former WWTP; therefore, this area of the Site was not included in the Closure program.

1.5.7 Quonset Hut Building

The former Quonset Hut Building was a slab-on-grade structure located at the southern end of the South Lot Area (see **Figure 3-7** in **Appendix A**). At the time of a preliminary inspection in June 2012, the building was being used for storage of miscellaneous materials including building and yard maintenance supplies. One former tank was identified as a 10,000 gallon, No. 6 Fuel Oil UST. This tank was identified on tank inventory records as “Removed” historically. Historically, the Quonset Hut Building was reportedly used as a machine shop by Columbia Ribbon and therefore may have contained lubricants, metal scrap, and possible degreasing / parts cleaning materials that were VOC-based.

³ These tanks were not individually listed on tank inventory records, but may have been part of the tank registration line item pertaining to various bulk chemicals.

⁴ The effluent from the WWTP was periodically tested / reported prior to its discharge to the municipal sewer system.

1.5.8 Oil Room

The former Oil Room, located in the northeast portion of the South Lot Area, served as the primary storage area for No. 6 Fuel Oil used to heat various portions of the facility (see **Figure 3-7 in Appendix A**). Tanks 106, 107 and 108 were historically noted as a 500 gallon No. 2 Oil Tank, a 20,000 gallon No. 6 Oil Tank, and a 10,000 gallon No. 6 Oil Tank, respectively. These tanks were taken out of service (e.g., above-grade piping removed, sub-grade piping flushed and tanks steam cleaned) in 2005 when the facility boiler was converted to natural gas. Tanks 107 and 108 were installed in a concrete building which served as secondary containment. The 500 gallon No. 2 oil tank (Tank 106) is located in the North Lot Area. This room was reportedly formerly utilized as a maintenance garage.

The previously cleaned and closed-in-place USTs were removed as part of Closure activities following demolition.

1.5.9 Miscellaneous Drains and “Conveyance Pits”

In addition to the specific areas described above, there were multiple drains and hard bottom conveyance pits located throughout the South Lot Area to convey fluids to the WWTP or from one portion of the Site to another for processing. Konica Minolta has attempted to identify and trace each of these conveyances and the information gathered by others were provided in the NYSDEC-approved Closure Plan. Each of these drains, pits, and catch basins were inspected as part of closure activities.

1.5.10 Columbia Buildings and Associated Warehouses

The former Columbia Building and its associated warehouses were located on the southwest section of the overall Site. The Columbia Building was one of the original Site buildings that was present at the time the property was acquired by Konica Minolta's predecessors. Detailed historic drawings of the former Columbia Building were not available; however, historic drawings for the former accessory warehouse buildings (C4, C5, and C6) were available and reviewed as part of Closure Plan development. An overview of the Columbia Building and associated warehouses is provided in **Figure 1-4**.

1.5.10.1 Columbia Building C-1

Little information was available regarding historic operations within the former Columbia Building. General operations in the building reportedly included historic carbon ribbon manufacturing that likely used inks and machinery requiring lubricating oils prior to Konica Minolta's operations (see **Figure 1-1**). The best available summary of historic operations conducted in the former Columbia Building Area is provided below.

- **Main Ribbon Manufacturing:** Historically, ribbons for printing and typewriters were manufactured on-site. There is no information available regarding what solvents may have been used in the degreaser. However, given this type of operation, it can be assumed that chemicals used included inks and extenders (either water- or VOC-based) as well as machining oils;
- **Maintenance and Engineering:** This area formerly contained a machine shop, plumbing shop and a small parts storage area. A degreaser was reportedly used for parts cleaning and welding preparation. Given the diverse nature of historic operations, VOCs, semi-volatile organic compounds (SVOCs) and metals may have been present;
- **Hazardous Storage Cage:** A small hazardous materials storage area was reportedly located in the southeast corner of the former Columbia Building C-1; and,
- **Kampf Splitter Room:** The operations in this area were reportedly limited to cutting and slitting cores. No hazardous materials, other than possible very small amounts of methanol used to clean machines, would have been present based upon the available information.

Review of tank records does not indicate any tank or bulk storage within Columbia Building C-1. However, the bulk chemical storage registration may have covered the small hazardous materials storage cage.

1.5.10.2 Wedge Building

The former Wedge Building (C-1A) was located to the south of Columbia Building C-1 and was triangular shaped (see **Figure 1-1**). The first floor of this building was used for office space; the majority of the basement area in this irregularly shaped area was used for chemical storage. Tank registration information indicated the following tanks were present in this area historically. All tanks were abandoned in place previously by others (see **Table 1-1** for additional information):

- Tank 28: 3,000 gallon UST for Miscellaneous Oils;
- Tank 29: 3,000 gallon UST for Miscellaneous Oils;
- Tank 30: 5,000 gallon UST for Toluene;
- Tank 31: 5,000 gallon UST for Diethylene Glycol Isomer; and,
- Tank 32: 5,000 gallon UST for Glycerine.

1.5.10.3 Columbia Buildings C-2 and C-3

Little information was available regarding operations in former Buildings C-2 and C-3 which were located south of the former Wedge Building. There was reportedly a film development room located in former Building C-2. A 10,000 gallon No. 6 Fuel Oil UST (Tank No. 6) was reportedly abandoned in place in Building C-3. Given this information, chemicals of concern likely included oils, developers and fixers.

1.5.10.4 Columbia Buildings C-4, C-5 and C-6

Former Columbia Buildings C-4, C-5 and C-6 were three, narrow rectangular buildings that were located to the northwest of Columbia Building C-1. Most “recently,” these buildings were reportedly used for finished goods storage. Historically, Buildings C-4, C-5, and C-6 were reportedly used for camera manufacturing and printing press support operations including machining. The presence of a series of loading docks at the rear of former Building C-6 supports the reports of primarily warehouse use before cessation of operations and demolition of the structures. A mezzanine area overhung portions of Columbia Buildings C-4 and C-5. Visual inspection of the area during demolition did not indicate any floor drains in Columbia Buildings C-4 and C-5; however, due to safety limitations with ongoing demolition, not all areas were available for visual inspection. The primary area of concern in this area of the plant was the presence of a former silver reclamation area which was located in the southwest corner of Columbia Building C-6 (see **Figure 1-4**). A potassium hydroxide tank was located adjacent to the former silver reclamation area and several other small tanks were also present prior to demolition.

Unlike other portions of the Columbia Building complex, historic layout drawings were available for the former Columbia Buildings C-4, C-5 and C-6). Based upon review of the historic drawings, there were no indications of industrial operations noted other than a small lab in Columbia Building C-6, adjacent to the silver reclamation area. The former lab area had a small sink as well as a small sump and associated floor drain.

1.5.10.5 Columbia Building Tank Nos. 1, 2 and 3

Former Loading Dock 7, which is located west of the former Columbia Building C6 was reportedly improved with the following three USTs (see **Figure 1-4** and **Table 1-1**):

- Tank 1: 3,000 gallon UST for Oil, Diesel (reportedly abandoned in place in 2001);
- Tank 2: 5,000 gallon UST for Gasoline (reportedly abandoned in place 2001); and,

- Tank 3: 5,000 gallon UST for Gasoline (reportedly abandoned in place 2001).

A geophysical survey was conducted on January 7, 2013 in the reported location of these tanks and no anomalies potentially representative of three out-of-service USTs were observed.⁵ Therefore, it is possible that these tanks were actually removed by others.

⁵ This geophysical survey was conducted with approval from the NYSDEC prior to final approval of the Closure Plan on March 25, 2013.

1.6 Miscellaneous Areas

The following areas of the facility were also included in the Closure Plan and / or inspected as part of closure to determine if additional actions, including decontamination or closure confirmation sampling, were required.

- **North Lot Area:** This area is being addressed separately under the NYSDEC IHWDS program and is therefore not being addressed in this Closure Plan.
- **Stormwater Monitoring Station and Outfall (South Lot):** This area was inspected as part of the closure of a NYSDEC Spill incident.
- **Water Tank Area:** Two water tanks were historically present, including the following: a 150,000 gallon tank near the North Lot Area and a 100,000 gallon tank located just to the northwest Bobley Building. The tanks were demolished by others prior to initiation of Closure activities; however, the associated soils were tested for lead paint related to painting and demolition by others. The former 150,000 gallon North Lot Area water tank was addressed in the Closure Plan.
- **North Alleyway:** Work conducted by others indicated impacts to underlying soils, likely associated with former drum storage practices. As indicated in the Closure Plan, multiple samples have been collected and analyzed from this area by others historically. Data collected utilizing temporary wells circa 2011 indicates that shallow / perched groundwater was impacted in this area by petroleum-related VOCs.
- **Building No. 9 (Annex):** This demolished building was most recently utilized by Konica Minolta for human resources support. Reportedly, the structure was formerly utilized at one time for photo processing and storage of hazardous waste during related operations. This area was included in RCRA Closure.
- **Site-Wide Groundwater:** Nine permanent groundwater monitoring wells (i.e., P2-1 through P2-9) were installed and sampled circa 2000 as part of historic closure activities conducted by others. Four of these well were also sampled circa 2011. Additionally, one groundwater monitoring well (i.e., MW-9S) was sampled circa 2000. Grab groundwater samples were collected and analyzed from three temporary wells located in the North Alleyway circa 2011. Results are discussed in **Section 5.0**.
- **Former Electrical Transformers:** The locations of former electric transformers were evaluated by others via wipe sampling of the associated concrete pad and chemical analyses for polychlorinated biphenyls (PCBs). These data (see **Figure 1-2**) indicated that PCBs were not detected in the two wipe samples; therefore, the two former electrical transformers were not addressed during RCRA Closure.

- **Non-Monitoring Wells:** The NYSDEC has provided the locations of two water wells (i.e., N-8453T and N-8048D). As part of RCRA Closure, the NYSDEC required that these wells be located and closed in accordance with NYSDEC protocols.

1.7 Closure Planning Process

All aspects of the facility closure process were completed under the direction of a New York State (NYS)-licensed Professional Engineer (PE) and in coordination with the NYSDEC who is the lead environmental agency responsible for overseeing the hazardous waste closure program in NYS. The following sections describe the closure planning and approval processes followed, and the procedures implemented when actual conditions necessitated a change from pre-approved plans and / or procedures.

1.7.1 Closure Plan Approvals

In accordance with 6 NYCRR Part 373-3.7(c), Konica Minolta prepared and submitted a Closure Plan for the complete closure of the Konica Minolta facility to the NYSDEC on July 24, 2012 with follow-on addenda dated January 29, 2013, February 25, 2013 and March 22, 2013. The Closure Plan, including the associated Quality Assurance Project Plan (QAPP) and Health and Safety Plan (HASP), was certified by a PE and a Professional Corporation (PC) licensed in the State of New York to perform Professional Engineering services, Apex Engineering, P.C. The Closure Plan was approved by NYSDEC on March 25, 2013. Documentation indicating NYSDEC approval of Closure Plan documents is provided in **Appendix B**.

Please note, that as discussed above, the NYSDEC verbally approved and oversaw the conduct of impacted soil remediation which commenced in October of 2013. This CCR was prepared to address / cover both the investigation and remediation components of the Closure activities.

1.7.2 Deviations from Closure Plan

The work summarized in this CCR was completed in general accordance with the approved Closure Plan documents. In some instances, deviations from the approved Closure Plan (as amended) occurred in the field due to changed or unforeseen site conditions from the time when the plans were developed and approved. In all cases where the Closure Plan documents were not followed as written, the NYSDEC was directly involved in decision-making related to the revised procedures to be implemented including the need for additional investigation, supplemental soil excavation and / or additional confirmatory sampling to document closure effectiveness.

1.8 Organization of the CCR

This report has been organized into five major sections:

Section 1 – Introduction: This section of the CCR provides an overview of the facility, the closure planning process, and coordination with NYSDEC during the closure process. It also identifies hazardous- and non-hazardous waste area of the facility;

Section 2 – Closure Performance Guideline / Standards: This section discusses qualitative and quantitative closure performance guidelines used to assess the effectiveness of closure activities (confirmatory, endpoint soil sampling). Where appropriate, limitations in how closure performance guidelines were utilized are discussed;

Section 3 – Closure Procedures and Methods: This section discusses the general approach to site closure including identification of operations requiring initial soil sampling, soil sampling procedures, impacted-soil excavation, health and safety monitoring and confirmatory sampling to assess closure effectiveness to ensure that no adverse impacts to human health or the environment related to Konica Minolta's recent or historic operations remain at the site;

Section 4 – AOC Assessment Soil Sampling and Analyses: This section discusses each of the AOCs evaluated and discusses the results of the closure confirmation program for each AOC which required remediation by the NYSDEC;

Section 5 – Groundwater Sampling and Analyses: This section discusses the collection and analyses of groundwater samples collected from four extant wells, as well as sampling and analyses of groundwater samples from two extant wells and eight monitoring wells installed as part of Closure;

Section 6 – Impacted Soil Remediation: This section discussed the remediation of impacted soils as identified during earlier phases of Closure, as well as the effectiveness of remediation activities via soil sampling and analyses;

Section 7 - Data Usability Summary Report: This section of the CCR provides the results of data validation by an independent third party to ensure that data are applicable for their intended purposes;

Section 8 - Waste Disposal: This section of the CCR provides a summary of all wastes disposed off-site as part of Closure, as well as copies of all waste disposal documentation.

Section 9 – Closure Certification: This section provides the professional engineering certification of closure activities performed and discusses open issues, if any, or future requirements to meet the closure performance standards / guidelines identified in **Section 2**.

2.0 CLOSURE PERFORMANCE STANDARDS / GUIDELINES

The Closure Plan was prepared to comply with the RCRA requirements for closure as promulgated in NYS under 6 NYCRR Part 373-3.7. The closure performance standard of 6 NYCRR Part 373-3.7(b) is defined below:

The owner or operator must close the facility in a manner that:

- (1) Minimizes the need for further maintenance;
- (2) Controls, minimizes or eliminates, to the extent necessary to protect human health and the environment, post-closure escape of hazardous waste, hazardous constituents, leachate, contaminated run-off, or hazardous waste decomposition products to the ground or surface waters or to the atmosphere; and,
- (3) Complies with the closure requirements of this [6 NYCRR Part 373-3, sic] Subpart including, but not limited to, the requirements of subdivisions 373-3.10(h), 373-3.11(f), 373-3.12(g), 373-3.13(g), 373-3.14(d), 373-3.15(e), 373-3.16(e), 373-3.17(e) and 373-3.30(c).

Although the definition above provides a qualitative description of requirements, it does not allow for the quantitative measurement of closure effectiveness in the form of numerical standards. Therefore, numerical guidelines were developed in coordination with NYSDEC to objectively determine whether decontamination work performed was adequately completed to meet the general closure performance standard identified above. This process was completed during the Closure Plan development stage of the project and is summarized in the following sections.

2.1 Numerical Closure Performance Guidelines

There are two types of numerical closure performance guidelines that were developed for this specific project: (1) soil closure performance guidelines to determine if Konica Minolta's historic site operations have adversely impacted the environment to the degree that additional environmental actions may be necessary to protect human health and the environment, or if remedial measures conducted as part of Closure were sufficient to protect human health and the environment; and, (2) groundwater closure performance guidelines that were used to determine if groundwater has been impacted from former Site operations. Each of these categories of closure performance guidelines is discussed below.

2.1.1 Soil Closure Performance Standards

Under 6 NYCRR Part 375-6, the NYSDEC has established “*Remedial Program Soil Cleanup Objectives*” (SCOs) for various property use types ranging from “*Unrestricted Use*” to “*Restricted, Industrial Use.*” Based upon recent, proposed clarification of when the various Part 375-6 SCOs may be applicable,⁶ the appropriate use category standards are applicable at RCRA sites such as the former Konica Minolta facility.

Per the direction of the NYSDEC, the soil sample analytical results associated with the investigation phase of Closure were compared to Unrestricted and Residential SCOs. Further, the initial post-excavation, confirmatory soil analytical data associated with the remediated AOCs were also compared to Unrestricted and Residential SCOs. After several rounds of supplemental soil excavations were conducted in an effort to achieve Unrestricted / Residential SCO soil conditions, Konica Minolta petitioned the NYSDEC, and received NYSDEC concurrence, to allow for Closure to Restricted Residential / Commercial SCOs, as well as in a few small areas exhibiting higher soil concentrations but no associated groundwater impacts. In order to protect human health and the environment, institutional / engineering controls will be put in-place with appropriate NYSDEC–approved easements, all to be included in a Site Management Plan (SMP).

The soil closure performance guidelines used for the former Konica Minolta facility closure program are summarized in **Table 2-1**.

2.1.2 Groundwater Closure Performance Standards

For groundwater samples collected from on-site monitoring wells, the analytical data were compared to NYSDEC Class GA Groundwater Standards and Guidance Values set forth in the NYSDEC Division of Water Technical and Operational Guidance Series 1.1.1 Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations - Reissued June 1998 as amended in 1999, 2000 and 2004. Groundwater criteria are provided in **Table 2-2**.

⁶ NYSDEC, CP-51 / Soil Cleanup Guidance, dated October 21, 2010.

3.0 CLOSURE PROCEDURES AND METHODS

This section of the CCR discusses the detailed procedures of the facility Closure program from inception to the completion of field activities. The NYSDEC-approved Closure Plan (as amended) and the associated QAPP provided additional information regarding Closure procedures and are incorporated herein by reference.

It should be noted that, as part of their cessation of activities at the site, Konica Minolta had the vast majority of above-grade infrastructure demolished and removed by others. Targeted infrastructure decontamination was conducted by Konica Minolta prior to the finalization of the Closure Plan and is therefore not included as part of this CCR. With NYSDEC concurrence, the closure activities covered by this CCR primarily consisted of the following components:

- Conduct of borings with associated soil sampling / chemical analyses to evaluate soil-quality conditions potentially associated with identified AOCs;
- Installation of monitoring wells and collection / chemical analyses of samples from extant and newly-installed monitoring wells to evaluate the groundwater-quality conditions associated with the Subject Property;
- Removal of several on-site, out-of-service USTs;
- Remediation, predominantly by excavation and off-site disposal, of impacted soils potentially associated with AOCs; and,
- Confirmation of successful Closure by the collection and analyses of confirmatory, end-point soil samples.

3.1 Historic Operations Review

Prior to initiating any closure activities, Apex met with Konica Minolta representatives knowledgeable in recent and historic site operations to identify potential AOCs and areas that would require at least some level of Closure activities (whether related to hazardous wastes or non-hazardous wastes where hazardous materials may have been used). As part of this process, Apex completed initial facility inspections that included a reconnaissance of every accessible building / room in the facility and review of documents made available by Konica pertaining to recent or historic hazardous material usage. The results of this review lead to the development of the hazardous waste- and non-hazardous waste (i.e., non-RCRA) process area list discussed previously in **Sections 1.2 and 1.5** of this CCR and summarized in **Table 3-1**.

As indicated in the Closure Plan (under separate cover), each recent and historic process area was reviewed to identify all chemicals used (to the extent such information was

available) and where known, the specific locations within each area where chemical processes or storage areas were present.

3.2 Determination of Areas Requiring Closure

The hazardous material information reviewed was used to identify specific processes and related operations within each building / room that required environmental closure in the form of soil investigation – these are known as the Investigation AOCs as summarized in **Table 3-1**. Depending upon the materials used, it was determined whether each area would require formal RCRA closure in accordance with 6 NYCRR Part 373.3-7 requirements or informal closure to address hazardous materials usage that were not defined hazardous wastes (i.e., petroleum storage facilities, etc.).

The results of this evaluation were presented in the Closure Plan and submitted to NYSDEC for review. As part of the NYSDEC review and approval process, several site meetings were held with NYSDEC and the facility inspected in coordination with the NYSDEC. Changes to the preliminary identification of areas requiring closure were made as appropriate and the “final” identification of areas to be closed was outlined in the NYSDEC-approved Closure Plan.

It is very important to note that regardless of whether a specific area was included in the Closure Plan or not, if there were any indications of hazardous material usage noted following approval of the Closure Plan (e.g., subsequent to infrastructure demolition, additional features were identified), the newly identified areas were added to the AOCs to undergo closure activities. By the end of closure field activities, all areas identified by the NYSDEC as requiring decontamination were included in the Closure program.

Once the preliminary soil analytical data for an AOC became available and in consultation with the NYSDEC, specific boring locations where soils exhibited contaminant thresholds in exceedance of applicable NYSDEC SCOs were identified for remediation by excavation. These areas are identified as Remediation AOCs and may not have strictly correlated to the Investigation AOCs due to the following:

- In many cases, only a small portion of an Investigation AOC required remediation; and /or,
- Upon completing initial Closure remediation excavations, confirmatory, end point soil samples indicated a continued presence of impacted soils in some Remediation AOCs; therefore, at the direction of the NYSDEC, several rounds of supplemental soil excavations were required and conducted to remove the impacted soils.

3.3 Health and Safety Reviews and Monitoring

A site-specific Health and Safety Plan (HASP) was prepared prior to the initiation of field activities. During all closure activities, workers were required to follow applicable health and safety procedures. On-site contractors were required to have the appropriate health and safety training, as outlined in 29 CFR Part 1910.120 to complete the site closure activities. Further, the HASP included a New York State Department of Health (NYSDOH)-approved Community Air Monitoring Plan (CAMP). CAMP activities were conducted during all times when on-site intrusive field activities (e.g., soil sampling, soil excavation and load out, etc.) were being conducted.

During Closure, workers occasionally had to enter frac tanks to complete decontamination activities. All work followed confined space entry (CSE) procedures under appropriate CSE permits as necessary and as outlined under 29 CFR Part 1910.146. Tailgate safety meetings were held daily. Each meeting focused on a specific topic that was directly relevant to the work scheduled to be completed during the given day.

During the several months of closure activities from inception through completion of field work, there was not a single incident or near miss for the project.

4.0 AOC ASSESSMENT SOIL SAMPLING AND ANALYSES

As discussed in the NYSDEC-approved Closure Plan prepared for the Subject Property, the large majority of the above-grade infrastructure including buildings, aboveground storage tanks (ASTs), process areas, etc., had been demolished prior to initiation of Closure activities. The existing floor slabs were left in place to allow for accurate location / evaluation of former process areas to allow for their assessment during Closure. .

This section of the CCR focuses on the collection and analyses of soil samples underlying AOCs identified in the Closure Plan to ascertain: 1) whether former hazardous materials may have impacted associated soils; and, 2) if soils requiring remediation were present.

4.1 Subsurface Soil Sample Collection Protocols

Depending upon the nominal depth of a specific soil sample location (as defined in the Closure plan), discrete soil samples were collected on a nominal basis from the surface to 8.0-feet below grade (bgs) or until groundwater was encountered, whichever occurred first.

At each soil boring location, soil samples were collected by advancing a four-to-five-foot-long stainless steel macrocore sampler with a direct-push drill rig to the targeted nominal sample depth. Each macrocore sampler was equipped with factory-decontaminated, plastic acetate liners.

The soil samples were inspected and classified in accordance with the Unified Soil Classification System by Apex personnel. The soil samples were field screened utilizing a photo-ionization detector (PID) and by visual and olfactory inspection for the absence or presence of impact. A graphic log of each soil boring was prepared with appropriate stratification lines, lithologic descriptions, sample identifications, PID readings, sample depth intervals and dates (**Appendix C**). Representative soil samples were placed into laboratory-supplied glassware and stored on ice pending the final selection of samples to be analyzed.

4.2 Soil Analytical Parameters

Per **Section 4.3.1** of the NYSDEC-approved Quality Assurance Project Plan (QAPP), the soil samples collected as part of Closure were analyzed by TestAmerica, which is a NYSDOH Environmental Laboratory Accreditation Program (ELAP)-certified laboratory. Depending upon the former uses of the AOCs and specific NYSDEC requirements, each soil sample was analyzed for one or more of the following NYSDEC analytes in accordance with Level B Analytical Services Protocols (ASP):

- Target compound list (TCL) volatile organic compounds (VOCs) plus ten tentatively-identified compounds (TICs) by EPA Method 8260B;

- TCL semi-volatile organic compounds (SVOCs) plus 20 TICs by EPA Method 8270C;
- TCL PCBs by EPA Method 8082;
- Target Analyte List (TAL) metals by the EPA 6010B / 7471A Series;
- Hexavalent chromium by EPA Method 7196A;⁷ and / or,
- Total petroleum hydrocarbons (TPH) – diesel-range organics (DRO) by EPA Method 8015.

The specific parameters analyzed in each Investigation AOC are discussed below.

Per the QAPP, the following Quality Assurance / Quality Control (QA / QC) samples were utilized to support the ASP Level B analyses of project-related soil samples:

- Field / blind duplicate samples to assess the variability of a matrix at a specific sampling point and to assess the reproducibility of the sampling method;
- Trip blanks for TCL VOC analysis only to evaluate if VOC cross-contamination occurred during sample shipment;
- Equipment rinsate blanks to evaluate the effectiveness of field decontamination procedures; and,
- Matrix spikes and matrix spike duplicates (MS / MSD) to evaluate whether matrix interferences either resulted in a loss of the spiked chemical (i.e., results in low-biased data) or an increase in the spiked chemical (i.e., results in high-biased data).

The full Level B analytical data packages for the investigation-phase soil samples are included in electronic format in **Appendix D**.

Per the requirements of the QAPP, all of the soil analytical data collected as part of Closure were subject to an independent third party Data Validation Summary Report (DUSR) to evaluate the quality of the analytical data, as discussed in **Section 7.0**.

⁷ The analyses of selected samples for hexavalent chromium or TPH DRO was not contemplated in the QAPP. Rather, selected samples were analyzed for one of these additional analytes to address NYSDEC requirements identified during ongoing Closure activities.

4.3 AOC Specific Soil Analytical Data

As summarized in **Table 3-1**, a total of 24 site-specific AOCs were evaluated as part of the initial soil evaluation phase of RCRA Closure. The following provides an AOC-by-AOC breakdown of the soil investigation phase of Closure. Based upon NYSDEC protocols, areas of an individual AOC were identified as requiring soil remediation by a boring number, or grouping of borings, from which soil samples contained one or more contaminants exceeding their respective SCOs.

It should be noted that based upon the NYSDEC-approved Closure Plan, the initial target soil closure criteria for the soil investigation phase of Closure were NYSDEC Unrestricted and Residential SCOs. As discussed in **Section 6.0** of this Report, in order to expedite the Closure timeframe, and with NYSDEC approval, the project included the remediation of impacted soils by excavation and collection / analyses of confirmatory, end-point soil samples. The NYSDEC concurred later during Closure that the confirmatory, end-point soil samples could be compared to Restricted Residential SCOs and Commercial SCOs with several metal / compound-specific contaminant SCOs.

4.3.1. Former Main Building Basement Area

As summarized in **Figures 4-1** and **4-2**, a total of 37 samples from 33 soil borings were collected throughout this area (i.e., MB-1 through MB-31, Sample Area 4A and Bldg.-1-RCRA-4-SB-4). Originally, deeper soil samples were to be collected in five of the proposed boring locations; however, shallow groundwater conditions were encountered across much of this area. Deeper soil samples were collected from the MB-18, MB-23 and MB-26 locations in accordance with NYSDEC's approval of the modified procedures. Per the QAPP, 37 of the collected soil samples were analyzed for TCL VOCs; ten of the samples were analyzed for TCL SVOCs and 42 of the samples were analyzed for TAL metals (see **Tables 4-1** through **4-3**).

There were seven areas (i.e., MB-29/31; MB-10/12/13/14/15; MB-2/3/7; BLDG-1-ICEHOUSE-4-SB-1/MB-16/17; MB-18; MB-26/27; and, MB-19/21/22/24/SAMPLE AREA 4A/AREA #4A/AREA#4B/BDG-1-RCRA-4-SB-1/BDG-1-RCRA-4-SB-2/BDG-1-RCRA-4-SB-3/BDG-1-RCRA-4-SB-4) within this AOC in which soils contained metals at concentrations that necessitated remediation per the NYSDEC:

- Arsenic (18.9 milligrams per kilogram [mg/kg]) (MB-15);
- Cadmium (2.5 to 40.2 mg/kg) (BDG-1-RCRA-4-SB-2, BDG-1-RCRA-4-SB-3, BDG-1-RCRA-4-SB-4, MB-2, MB-3, MB-7, MB-9 and MB-22);
- Copper (397 mg/kg) (BDG-1-RCRA-4-SB-4);

- Chromium (31.3 to 126 mg/kg) (MB-26, MB-31, SAMPLE AREA 4A and BDG-1-RCRA-4-SB-4);
- Lead (74.7 to 142 mg/kg) (MB-21, MB-24 and MB-27);
- Manganese (2,100 mg/kg) (MB-26);
- Nickel (32.8 to 48.4 mg/kg) (BDG-1-RCRA-4-SB-4, MB-26 and MB-31);
- Silver (2.4 to 61.4 mg/kg) (MB-3, MB-9, MB-10, MB-12, MB-13, MB-14, MB-15, MB-16, MB-17, MB-19, MB-22, MB-26, MB-27, AREA#4B, BDG-1-RCRA-4-SB-2, BDG-1-RCRA-4-SB-3 and BDG-1-RCRA-4-SB-4);
- Selenium (4.48 mg/kg) (BLDG-1-ICEHOUSE-4-SB-1) and,
- Mercury (0.20 to 1.5 mg/kg) (MB-10, MB-12, MB-17, MB-27 and MB-29).

Remediation activities performed are discussed in **Section 6**.

4.3.2 Former Boiler Room

No investigation soil borings were conducted in this AOC as this area was located within the overall area of the former Tank No. 9 AOC and were remediated during Closure therein, as discussed in **Section 6.0** of this CCR.

4.3.3 Former Emulsion Room

As summarized in **Figure 4-3**, a total of 24 samples from 14 soil borings (i.e., ER-1 through ER-14) were collected within this AOC. Deeper soil samples were collected from the ER-5, ER-7, ER-12, ER-13 and ER-14 locations. Per the QAPP, all 24 of the collected soil samples were analyzed for TCL VOCs, TCL SVOCs and TAL metals (see **Tables 4-4** through **4-6**).

There were three areas (i.e., ER-3/7, ER-9 and ER-13) within this AOC in which soils contained metals or SVOCs at concentrations that necessitated remediation per the NYSDEC:

- TCL SVOCs (0.39 to 6.7 mg/kg) (ER-9 and ER-13);
- Lead (148 mg/kg) (ER-7);
- Silver (3.6 mg/kg) (ER-3); and,
- Zinc (139 mg/kg) (ER-3).

Details of the remediation program are provided in **Section 6**.

4.3.4 Former Main Building 1st Floor

As summarized in Figure 4-4, a total of ten samples from nine soil borings (i.e., MF-1 through MF-9) were collected within this AOC. Originally, deeper soil samples were to be collected in four of the proposed boring locations; however, shallow groundwater conditions / site access restrictions were encountered across much of this area. Deeper soil samples were collected from the MF-6 location. Per the QAPP, all ten of the collected soil samples were analyzed for TCL VOCs and TCL SVOCs (see **Tables 4-7 and 4-8**).

Per discussions with the NYSDEC, and assuming Unrestricted / Residential SCO cleanup goals, there were no soils identified within this AOC which required remediation.

4.3.5 Former Central Corridor Area

As summarized in **Figure 4-5**, a total of 11 samples from five soil borings (i.e., CC-1 through CC-5) were collected within this AOC. Deeper soil samples were collected from the CC-1, CC-2 and CC-5 locations. Per the QAPP, 11 of the collected soil samples were analyzed for TCL VOCs and TAL metals, and six of the samples were analyzed for TCL SVOCs (see **Tables 4-9 through 4-11**).

There was one area (i.e., CC-2/3/4/5) within this AOC in which soils contained metals at concentrations that necessitated remediation per the NYSDEC:

- Cadmium (3.6 to 6.9 mg/kg) (CC-3, CC-4 and CC-5);
- Copper (95.0 mg/kg) (CC-5); and, and
- Silver (2.2 to 129 mg/kg) (CC-1, CC-3, CC-4 and CC-5).

Details of the remediation program are provided in **Section 6**.

4.3.6 Former Inspection and Practica Areas

As summarized in **Figure 4-6**, a total of 13 samples from 11 soil borings (i.e., PA-1 through PA-11) were collected within this AOC. Originally, deeper soil samples were to be collected in three of the proposed boring locations; however, shallow groundwater conditions were encountered across much of this area. Deeper soil samples were collected from the PA-8 location. Per the QAPP, all 13 of the collected soil samples were analyzed for TCL VOCs and TCL SVOCs, and three of the samples were analyzed for TAL metals (see **Tables 4-12 through 4-14**).

Per discussions with the NYSDEC, and assuming Unrestricted / Residential SCO cleanup goals, there were no soils identified within this AOC which required remediation.

4.3.7 Former Mechanical Dryer and Loading Dock Areas

As summarized in **Figure 4-7**, a total of ten samples from ten soil borings were collected through this area (i.e., MD-1, MD-2, MD-4 through MD-9, MD-11 and MD-12) were conducted within this AOC. Originally, deeper soil samples were to be collected in four of the proposed boring locations; however, shallow groundwater conditions were encountered across much of this area precluding the collection of any deeper soil borings from this AOC. Further, samples could not be collected in the proposed MD-3 and MD-10 locations due to the presence of on-site infrastructure. Per the QAPP, all ten of the collected soil samples were analyzed for TCL VOCs and TCL SVOCs and six of the samples were analyzed for TAL metals (see **Tables 4-15 through 4-17**).

Per discussions with the NYSDEC, and assuming Unrestricted / Residential SCO cleanup goals, there were no soils identified within this AOC which required remediation.

4.3.8 Former Offices, Darkroom and Cafeteria Areas

Per the requirements of the NYSDEC-approved Closure Plan, no at-grade historic operations of concern were identified within these areas (see **Figure 4-8**). Therefore, no RCRA soil borings were required or conducted.

4.3.9 Former Fuel Oil Room

As indicated in **Figure 4-9**, this AOC is located within Area 3 of the South Lot Area. A total of 11 samples from seven soil borings (i.e., FO-1 through FO-7) were collected within this AOC. Originally, deeper soil samples were to be collected in two of the proposed boring locations; however, shallow groundwater conditions restricted the collection of the deepest sample in FO-6. The NYSDEC also requested the collection of an intermediate-depth soil sample from the FO-7 location. Per the QAPP, all 11 of the collected soil samples were analyzed for TCL VOCs, TCL SVOCs and TAL metals (see **Table 4-18 through 4-20**).

There was one area (i.e., FO-3/4/6/7) within this AOC in which soils contained metals at concentrations that necessitated remediation per the NYSDEC. One area (i.e., Bldg6-SB-2) was investigated by others and required remediation by the NYSDEC). The following is a summary of the VOCs and metals detected initially above their respective SCOs in these areas.

- Acetone (0.71 mg/kg) (Bldg6-SB-2);
- Methylene chloride (0.77 mg/kg) (Bldg6-SB-2);
- Xylenes (0.48 mg/kg) (Bldg6-SB-2);

- Arsenic (14.9 mg/kg) (FO-3);
- Chromium (36.1 to 43.8 mg/kg) (fo-7);
- Copper (61.4 to 165 mg/kg) (FO-4 and FO-6);
- Manganese (2,890 mg/kg) (FO-7);
- Silver (10.8 to 12.7 mg/kg) (FO-4 and Bldg6-SB-2); and,
- Zinc (129 mg/kg) (FO-7).

Details of the remediation program are provided in **Section 6**.

4.3.10 South Lots Areas

As indicated in **Figures 4-9** through **4-12**, there were multiple investigation AOCs within the South Lot Area. A total of 66 samples from 30 soil borings were collected throughout this area (i.e., SL-1 through SL-12 and SL-20 through SL-44 [exclusive of SL-25 through SL-32 which were conducted within the former Quonset Hut Area, as discussed below]).⁸ As indicated in **Table 3-1**, planned deeper soil samples could not be collected from this AOC due to shallow water table conditions.

Due to the number of former historic AOCs, the South Lot AOC was broken down into four areas to allow for the resultant soil analytical data to be effectively portrayed including the following:

- Area 1 South Lot (North, see **Figure 4-10**);
- Area 1 South Lot (South, see **Figure 4-11**);
- Area 2 South Lot (see **Figure 4-12**); and,
- Area 3 South Lot (see **Figure 4-9**).

Per the QAPP, 64 of the soil samples were analyzed for TCL VOCs, 48 of the samples were analyzed for TCL SVOCs and 66 of the samples were analyzed for TAL metal (see **Tables 4-21** through **4-23**). There were eight individual areas (i.e., SL-39/ 40/41/42/43/44, SSA2-1 and SSA2-2; SL-3, BLDG-RCRA2-SB-1, BLDG-RCRA2-SB-2, BLDG-RCRA2-SB-3 and BLDG-RCRA2-SB-4; SL-7/8/9/10/33/34/35/36/37/38, SSA1-1, SSA1-2, DRUMSTORAGE-

⁸ Borings SL-13 through SL-19 were originally contemplated for the former WWTP; however, as this AOC was formally closed, the NYSDEC did not require the conduct of these soil borings.

SB-2 and DRUMSTORAGE-SB-3; SL-20/21/22; SL-1; SL-2; and, SL-4/5/6/11/12) within this AOC in which soils contained TCL SVOCs or metals at concentrations that necessitated remediation per the NYSDEC:

- TCL SVOCs (0.34 to 18.0 mg/kg) (SL-1, SL-2, SL-3, SL-4, SL-6, SL-7, SL-12, SL-20, SL-22, SL-23 and DRUMSTORAGE-SB-3);
- Cadmium (5.7 to 145 mg/kg) (SL-3 and SL-23);
- Chromium (34.4 to 43.6 mg/kg) (SL-7, SL-20 and SL-21);
- Copper (106 to 356 mg/kg) (SL-1 and BLDG-RCRA2-SB-4);
- Lead (70.0 to 890 mg/kg) (BLDG-RCRA2-SB-3, BLDG-RCRA2-SB-4,, SL-6, SL-10, SL-22, SL-34, SL-35, SL-36, SL-37, SL-38, SL-39 and SL-43);
- Nickel (52.1 to 62.3 mg/kg) (SL-8 and SL-42);
- Silver (2.3 to 2,090 mg/kg) (BLDG-RCRA2-SB-1, BLDG-RCRA2-SB-2, BLDG-RCRA2-SB-3, BLDG-RCRA2-SB-4, SL-1, SL-2, SL-3, SL-4, SL-5, SL-7SL-8, SL-9, SL-10, SL-11, SL-20, SL-21, SL-23, SL-33, SL-34, SL-35, SL-36, SL-37, SL-38, SL-39, SL-40, SL-41, SL-42, SL-43, SL-44, SSA2-1, SSA2-2);
- Zinc (120 to 718 mg/kg) (SL-1, SL-6, SL-8, SL-9, SL-10, SL-34, SL-35, SL-37 and SL-39); and,
- Mercury (0.22 to 0.54 mg/kg) (SL-6, SL-20, SL-34, SL-35, SL-36, SL-37, SL-38, SL-39 and SL-44).

Details of the remediation program completed in the South Lot Area is provided in **Section 6**.

4.3.11 Former Quonset Hut Area

As summarized in **Figure 4-12**, a total of 12 samples from eight soil borings (i.e., SL-25 to SL-32) were collected within this AOC. Deeper soil samples were collected from the SL-27 and SL-31 locations. Per the QAPP, 12 of the samples were analyzed to TCL VOCs and TAL metals, and eight of the samples were analyzed for TCL SVOCs.

As indicated in **Tables 4-24** through **4-26**, there was one area (i.e., SL-25/27/28/31 and QUONSET-SB-3) within this AOC in which soils contained TCL SVOCs or metals at concentrations that necessitated remediation per the NYSDEC:

- TCL SVOCs (0.96 to 2.9 mg/kg) (SL-31);
- Lead (74.2 to 94.8 mg/kg) (SL-27 and QUONSET-SB-3); and,

- Mercury (0.28 to 0.46 mg/kg) (SL-27 and SL-28).

Details of the remediation program are provided in **Section 6**.

4.3.12 Former R&D Building Area

As indicated in **Figures 4-13** and **4-14**, there were multiple AOCs within the former R&D Building Area. A total of 35 samples from 21 soil borings were collected throughout this area (i.e., RD-1 through Bldg. 2-RCRA3-SB-4 [a soil boring previously conducted by others from which deeper samples were required]) were conducted within this AOC. As indicated in **Table 3-1**, deeper soil samples were collected from the RD-3, RD-6, RD-10, RD-16, RD-20 and Bldg. 2-RCRA3-SB-4 locations (the deeper samples from RD-6 and RD-10 were collected per the request of the NYSDEC field representative). Due to the number of former historic AOCs, this AOC was broken down into two areas to allow for the resultant soil analytical data to be effectively analyzed including the following:

- Former R&D Building (East, Figure **4-14**); and,
- Former R&D Building (West, Figure **4-15**).

Per the QAPP, 35 of the soil samples were analyzed for TCL VOCs and TAL metals, and nine of the samples were analyzed for TCL SVOCs (see **Tables 4-27 through 4-29**). There were seven individual areas (i.e., RD-1; RD-10/11/12 and BLDG2-RCRA3-SB-4; RD-4/5/6/7/8/10; AST38-SB-2; BLDG2-EARTHENPITS – SB-1; RD-17; and, RD-13/14/20) within this AOC in which soils contained TCL SVOCs or metals at concentrations that necessitated remediation per the NYSDEC:

- TCL SVOCs (0.38 to 2.4 mg/kg) (RD-6 and RD-14);
- Chromium (36.4 to 41.7 mg/kg) (RD-10 and RD-20);
- Copper (71.9 mg/kg) (RD-20);
- Lead (67.0 to 1,220 mg/kg) (RD-1, RD-4, RD-5, RD-6, RD-7, RD-14 and RD-20);
- Silver (3.6 to 331 mg/kg) (RD-3, RD-4, RD-6, RD-7, RD-10, RD-11, RD-12, RD-13, RD-14, RD-17, RD-20, AST38-SB-2, BLDG2-EARTHENPITS – SB-1 and BLDG2-RCRA3-SB-4);
- Zinc (118 to 487 mg/kg) (RD-4, RD-7, RD-11, RD-14 and RD-20); and,
- Mercury (0.25 to 0.37 mg/kg) (RD-1, RD-7 and RD-20).

Details of the remediation program are provided in **Section 6**.

4.3.13 Former Chem Mix Building Area

As indicated in **Figures 4-15** and **4-16**, there were multiple AOCs within the former Chem Mix Building Area. A total of 53 samples from 37 soil borings were collected through this area (i.e., CM-1 through CM-36). As indicated in **Table 3-1**, deeper soil samples were collected from the CM-3, CM-8, CM-11, CM-12, CM-16, CM-21, CM-25, CM-32, CM-33, CM-34 and CM-35. CM-36 was added into the work per the direction of the on-site NYSDEC representative. Due to the number of former historic AOCs, this AOC was broken down into two areas to allow for the resultant soil analytical data to be effectively analyzed including the following:

- Former Chem Mix Building (South, see **Figure 4-15**); and,
- Former Chem Mix Building (North, see **Figure 4-16**).

Per the QAPP and a NYSDEC field request, 53 of the soil samples were analyzed for TCL VOCs, 16 of the samples analyzed for TCL SVOCs and 26 samples analyzed for TAL metals (see **Tables 4-30** through **4-32**). There were seven individual areas (i.e., CM-28/29; CM-7/8/34/35, BLDG-4-ALDEN PUMP – SB-1, BLDG-4-ALDEN PUMP – SB-2, BLDG-4-SB-1, BLDG-4-SB-3 and BLDG-4-SB-6) within this AOC in which soils contained TCL VOCs, TVOCs or metals at concentrations that necessitated remediation per the NYSDEC:

- Acetone (0.093 to 0.10 mg/kg) (BLDG-4-ALDEN PUMP – SB-1 and BLDG-4-SB-1);
- 1,2-Dibromomethane (1.6 mg/kg) (BLDG-4-ALDEN PUMP – SB-2);
- 2-Butanone (MEK) (0.075 mg/kg) (BLDG-4-ALDEN PUMP – SB-2);
- Vinyl chloride (0.11 to 0.87 mg/kg) (1,2-Dibromomethane (0.075 mg/kg) (BLDG-4-ALDEN PUMP – SB-2 and BLDG-4-SB-1);
- M&P xylenes (5.5 to 14.0 mg/kg) (CM-21);
- Naphthalene (5.8 to 14.0 mg/kg) (CM-21);
- TCL SVOCs (0.52 to 1.9 mg/kg) (CM-8, CM-29, CM-31, CM-32 and CM-33);
- Arsenic (21.1 mg/kg) (CM-35);
- Barium (4,030 mg/kg) (BLDG-4-SB-6);
- Chromium (31.3 to 85.6 mg/kg) (CM-7, CM-8, CM-29, CM-32 and CM-35);
- Copper (65.5 to 123 mg/kg) (CM-31 and CM-35);

- Lead (96.3 to 1,500 mg/kg) (BLDG-4-SB-6, CM-33, CM-34, CM-35 and BLDG-4-SB-6);
- Manganese (6,820 mg/kg) (CM-32);
- Nickel (31.2 mg/kg) (CM-32);
- Silver (6.8 to 26.2 mg/kg) (CM-28, CM-29 and CM-32);
- Zinc (112 to 332 mg/kg) (BLDG-4-ALDEN PUMP – SB-2, BLDG-4-SB-6, CM-33, CM-34 and CM-35); and,
- Mercury (0.23 to 1.0 mg/kg) (CM-29, CM-34 and CM-35).

Details of the remediation program are provided in **Section 6**.

4.3.14 Former Columbia C1 Building

As indicated in **Figure 4-17**, there were multiple AOCs within the former Columbia C1 Building Area. Further, several of the borings were conducted on a grid basis as no specific AOCs were identified in large portions of the former building. A total of 33 samples from 21 soil borings (i.e., C1-1 through C1-20, and C1-19A) were collected within this AOC. As indicated in **Table 3-1**, deeper soil samples were collected from the C1-3, C1-8, C1-12, C1-13 and C1-19. C1-19A, which was a deep soil boring, was added into the work per the direction of the on-site NYSDEC representative.

Per the QAPP, 33 of the soil samples were analyzed for TCL VOCs and TCL SVOCs, and 32 samples analyzed for TAL metals (see **Tables 4-33** through **4-35**). There were six individual areas within this AOC (COLUMBIA-C-1-HAZSTORAGE-SB-1; COLUMBIA-C-1-SB-5 and COLUMBIA-C-1-SB-6; C-4; C-10; C-18; C-19; and, COLUMBIA-C-1-SB-1; COLUMBIA-C-1-SB-2 and COLUMBIA-C-1-SB-3) in which soils contained TCL VOCs, TVOCs or metals at concentrations that necessitated remediation per the NYSDEC:

- Acetone (0.063 to 1.2 mg/kg) (COLUMBIA-C-1-HAZSTORAGE-SB-1, COLUMBIA-C-1-SB-1; COLUMBIA-C-1-SB-2 and COLUMBIA-C-1-SB-3, COLUMBIA-C-1-SB-5 and COLUMBIA-C-1-SB-6);
- Arsenic (16.3 mg/kg) (C1-4);
- Chromium (37.6 mg/kg) (C1-4);
- Lead (80.6 to 114 mg/kg); (C1-10 and C1-19); and,
- Manganese (5,310 mg/kg) (C1-4).

Details of the remediation program are provided in **Section 6**.

4.3.15 Former Columbia C1a Building and South Alleyway Areas

During the scoping of the RCRA Closure Plan, it appeared that there were three gasoline and / or diesel USTs (i.e., Tank Nos. 1, 2 and 3) located beneath a concrete pad in this area (see **Figure 4-18**). A hand-drawn sketch also indicated the potential locations of the three USTs as along the South Alleyway Area, to the south of the former Columbia C6 Building. However, no anomalies believed to represent out-of-service USTs were identified during a geophysical survey conducted on January 7, 2013 in either of these two areas.

Per the direction of the on-site NYSDEC representative, five soil borings were conducted within the C1A Area (i.e., C1-21 through C1-25) and four soil borings were conducted along the South Alleyway Area (i.e., C1-26 through C1-29). As indicated in **Table 3-1**, deeper soil samples were collected from all nine borings.

Per the QAPP and NYSDEC requirements, 27 of the soil samples were analyzed for TCL VOCs and TCL SVOCs, and 15 samples analyzed for TAL metals (see **Tables 4-36 through 4-38**). Both areas (i.e., C-21/22/23/24/25 and C-26/27/28/29) within this AOC in which soils contained TCL VOCs, TVOCs or metals at concentrations that necessitated remediation per the NYSDEC:

- M&P xylenes (0.35 to 1.0 mg/kg) (C-21);
- Toluene (0.95 to 2.5 mg/kg) (C-21),
- TCL SVOCs (0.51 to 150 mg/kg) (C1-21, C1-22, C1-23, C1-24, C1-25 and C1-28);
- Arsenic (20.3 to 46.2 mg/kg) (C1-22 and C1-29);
- Barium (407 mg/kg) (C1-22);
- Chromium (30.0 to 101 mg/kg) (C1-22, C1-26, C1-27 and C1-28);
- Copper (54.4 to 95.6 mg/kg) (C1-22 and C1-29);
- Lead (64.2 to 535 mg/kg) (C1-22, C1-28 and C1-29);
- Manganese (2,660 mg/kg) (C1-29);
- Nickel (39.4 to 40.3 mg/kg) C1-27 and C1-28);
- Selenium (6.4 mg/kg) (C1-22);
- Silver (2.7 mg/kg) (C1-27);

- Zinc (142 to 219 mg/kg) (C1-22 and C1-20); and,
- Mercury (0.22 mg/kg) (C1-29).

Additional information describing remedial actions performed is provided in **Section 6**.

4.3.16 Former Wedge Building

In accordance with NYSDEC and Nassau County Department of Health (NCDOH) protocols, five out-of-service USTs (i.e., Tank Nos. 28, 29, 30, 31 and 32) were removed and 16 endpoint samples (i.e., W1 through W16) were collected to assess soil conditions associated with the former USTs (see **Figure 4-19**). Four additional soil borings (i.e., W17 to W20 – with W20 being a deeper soil boring) were conducted at the eastern portion of the area.

Per the QAPP and NYSDEC requirements, all 27 of the soil samples collected were analyzed for TCL VOCs, TCL SVOCs and TAL metals (see **Tables 4-39** through **4-41**). Both areas (i.e., W-18/19/20 and several boring location located within the former tank beds) within this AOC contained TCL VOCs, TVOCs or metals at concentrations that necessitated remediation per the NYSDEC:

- Toluene (9.5 mg/kg) (W8);
- TCL SVOCs (0.45 to 38 mg/kg) (W1, W7, W8, W14, W15, W16, W18, W19 and W20);
- Copper (321 mg/kg) (W6);
- Lead (183 mg/kg) (W20);
- Silver (5.6 to 6.2 mg/kg) (W2 and W16); and,
- Zinc (111 to 162 mg/kg) (W2, W6, W14 and W20).

Details of the remediation program are provided in **Section 6**.

4.3.17 Former Columbia C2 and C3 Buildings

As summarized in **Figure 4-20**, a total of 16 samples from eight soil borings were collected in this area (i.e., C2-1 through C2-4 and C3-1 through C3-4). Deeper soil samples were collected from C2-2, C2-4, C3-1 and C3-3. Per the QAPP, all 16 of the collected soil samples were analyzed for TCL VOCs, TCL SVOCs and TAL metals (see **Tables 4-42** through **4-44**).

Per discussions with the NYSDEC, and assuming Unrestricted / Residential SCO cleanup goals, there were no soils identified within this AOC which required remediation.

4.3.18 Former Columbia C4 and C5 Buildings

As indicated in **Figure 4-21**, there were no specific AOCs in the C4 and C5 areas; therefore, soil borings were located on a grid basis. A total of 15 samples from nine soil borings were collected in this area including C4-1 through C4-4 and C5-1 through C5-5 (C5-5 was added per the direction of the on-site NYSDEC representative). Fifteen samples were collected from nine borings. Deeper soil samples were collected from C4-2, C5-3 and C5-4.

Per the QAPP, all 15 of the soil samples were analyzed for TCL VOCs, TCL SVOCs and TAL metals (see **Tables 4-45** through **4-47**). On April 24, 2013, soils exhibiting suspect hydrocarbon-like odors, black staining and positive PID responses were observed in the C5-4 boring location. Due to the presence of apparently-impacted soils, the on-site NYSDEC RCRA representative contacted the NYSDEC Spills Hotline and NYSDEC Spill No. 13-00846 was assigned to the incident. The NYSDEC directed that the two deeper soil samples collected from C5-4 also be analyzed for total petroleum hydrocarbons (TPH) diesel-range organics (DRO) by EPA Modified Method 8015.

The additional characterization and remediation of the C5-4 impacted soils are discussed in **Section 6** of this CCR associated with the North Alleyway Area remediation. Therefore, the detections of TCL VOCs and TCL SVOCs in the C5-4 samples are discussed later in the CCR.

There were two individual areas (i.e., C5-3 and C4-2) within this AOC in which soils contained metals at concentrations that necessitated remediation per the NYSDEC:

- Arsenic (30.1 mg/kg) (C5-3); and,
- Chromium (83.1 mg/kg) (C4-2).

Details of the remediation program are provided in **Section 6**.

4.3.19 Former Columbia C6 Building

As indicated in **Figure 4-22**, there were multiple specific AOCs (i.e., a silver reclamation area, a sodium hydroxide tank and several small tanks) within the former Columbia C6 Building Area. Further, several of the borings were conducted on a grid basis as no specific AOCs were identified in some portions of the former building. A total of 27 samples from 17 soil borings were collected through this area (i.e., C6-1 through C6-17). As indicated in **Table 3-1**, deeper soil samples were collected from the C6-6, C6-8, C6-10, C6-13 and C6-17.

Per the QAPP, all 27 of the soil samples were analyzed for TCL VOCs, TCL SVOCs and TAL metals (see **Tables 4-48** through **4-50**). There were five individual areas (i.e., C6-17; C6-13, C6-PARTSSTORAGE-SB-1, C6-PARTSSTORAGE-SB-2; C6-PARTSSTORAGE-SB-3, COLUMBIA-C-6-SB-1, COLUMBIA-C-6-SB-3 and COLUMBIA-C-6-P2-5-SB-2; C6-8; C6-6 and C6-SILVERRM-SB-1; and, C6-2) within this AOC in which soils contained metals at concentrations that necessitated remediation per NYSDEC:

- TCL SVOCs (0.53 to 320 mg/kg) (C6-8, C6-13 and C6-17);
- Chromium (46.4 mg/kg) (C6-6);
- Lead (60.4 to 184 mg/kg) (C6-6 and C6-13);
- Manganese (2,280 mg/kg) (C6-8); and,
- Silver (14.8 mg/kg) (C6-2).

Details of the remediation program are provided in **Section 6**.

4.3.20 North Alleyway Area

With NYSDEC concurrence, no investigation RCRA soil borings were conducted as part of Closure. The remediation of impacted soils in this area is discussed in **Section 6.0** of this CCR.

4.3.21 Former Building No. 9 (Annex)

As indicated in **Figure 4-23**, the borings were conducted on a grid basis as no specific AOCs were identified in large portions of the former building. A total of 16 samples from ten soil borings (i.e., B9-1 through B9-10) were collected within this AOC. As indicated in **Table 3-1**, deeper soil samples were collected from the B9-4, B9-7 and B9-9 locations.

Per the QAPP, all 16 of the soil samples were analyzed for TCL VOCs, TCL SVOCs and TAL metals (see **Tables 4-51** through **4-53**). There were two individual areas (i.e., B9-1; and, B9-5 and B9-9) within this AOC in which soils contained metals at concentrations that necessitated remediation per NYSDEC:

- Lead (72.1 to 919 mg/kg) (B9-1, B9-5 and B9-9); and,
- Silver (3.3 mg/kg) (B9-9).

Details of the remediation program are provided in **Section 6**.

4.3.22 Former North Lot Water Tank)

As indicated in **Figure 4-24**, a total of 30 samples from ten soil borings (i.e., WT-1 through WT-10) were collected within this AOC to completely assess the area. As indicated in **Table 3-1**, deeper soil samples were collected from all of the soil borings.

Per the QAPP, all 30 of the soil samples were analyzed for TAL metals (see **Table 4-54**). The entire area of this AOC contained contaminants at concentrations that necessitated remediation per the NYSDEC:

- Arsenic (15.1 to 30.9 mg/kg) (WT-1, WT-5 and WT-8);
- Barium (616 mg/kg) (WT-7);
- Chromium (33.5 to 204 mg/kg) (WT-4, WT-5, WT-7 and WT-10);
- Copper (54.2 to 249 mg/kg) & WT-4 and WT-5);
- Lead (67.2 to 4,210 mg/kg) (WT-1, WT-2, EWT-5, WT-5WT-8 and WT-9);
- Nickel (56.2 to 119 mg/kg) (WT-5 and WT-7);
- Zinc (149 to 1,010 mg/kg) (WT-2, WET-4, WT-5 and WT-8); and,
- Mercury (0.21 mg/kg) (WT-1).

Details of the remediation program are provided in **Section 6**.

5.0 GROUNDWATER SAMPLING AND ANALYSES

As discussed in the NYSDEC-approved Closure Plan prepared for the Subject Property, there were several existing groundwater monitoring wells installed by others on the Subject Property prior to the start of former Closure activities. This section of the CCR discusses the collection and analyses of groundwater samples from four existing monitoring wells in July of 2013; followed by the installation and sampling of eight monitoring wells, and collection of samples from two existing wells in October of 2014.

5.1 Monitoring Well Installation Protocols

The installation of new on-site groundwater monitoring wells was not contemplated in the original NYSDEC-approved Closure Plan. However, as Closure activities evolved, it became apparent that the existing four groundwater monitoring wells (i.e., P2-1, P2-5, P2-7 and MW-9S) were not appropriate to provide sufficient data to support Closure due to the following:

1. The well(s) were not located in appropriate downgradient locations;
2. The four existing wells did not provide sufficient aerial coverage of the Subject Property; and / or,
3. One or more of the wells appeared to be completed in perched water zones, and not the regional Upper Glacial Aquifer.

In October of 2014, eight new groundwater monitoring wells (i.e., MWR-10 through MWR-17) were installed at NYSDEC-approved locations (see **Figure 5-1**) in accordance with the following protocols at each location:

- As part of well installation, soil sampling was also performed. A decontaminated macro sample was utilized to collect soil samples on a nominal continuous basis from the surface until ten feet below the water table, or a clay layer were encountered. The well boring logs are included in **Appendix E**;
- An approximately 15-foot long section of factory-decontaminated, two-inch-diameter PVC well screen was installed nominally ten feet below the water table, followed by blank PVC well casing to the surface (see **Table 5-1** for well-specific details);
- The annular space was filled with filter pack sand from the bottom to approximately two feet above the screen, followed by a two-foot-thick bentonite sanitary seal, followed by neat cement grout to the surface (the well construction diagrams are included on the boring logs in **Appendix E**);
- Each well was equipped with a locking cap and a man-hole type completion;

- Each well was developed by over pumping. The well development logs are included in **Appendix F**; and,
- The surface elevation and top-of-casing (TOC) elevation was surveyed to the nearest 0.01-foot by a NYS-licensed surveyor.

5.2 Groundwater Sampling Procedures

As discussed in **Section 5.0** of the Closure Plan, groundwater samples were collected from extant on-site monitoring wells (e.g., PS-1, MWNL-01 [present on the adjacent North Lot Area]), and MWR-10 through MWR-17) utilizing the low-flow sampling technique in accordance with the following protocols:

- Prior to initiation of groundwater sampling, a round of synoptic depth-to-water measurements were collected utilizing a decontaminated electronic interface probe. No light nonaqueous-phase liquids (LNAPLS) or dense nonaqueous-phase liquids (DNAPLS) were detected in any of the wells;
- A decontaminated low-flow, electric submersible pump was lowered to the bottom of a well and then raised approximately two feet to ensure that the pump intake was within the well's screened interval;
- The pump was turned on with an initial high flow rate to initiate the pumping process;
- Once flow was established, the flow rate was lowered to less than or equal to 100 milliliters per minute (ml/m) and field parameters (i.e., pH, dissolved oxygen, conductivity, temperature, turbidity and oxidation reduction potential) were measured and recorded on a two-to-five minute interval; and,
- Once the field parameters stabilize (i.e., three readings within ten percent of one-another), laboratory-supplied glassware were filled directly from the pump discharge. The well sampling logs are included in **Appendix F**.

It should be noted that the NYSDEC-approved RCRA Closure Plan allowed for the laboratory to filter the total metals sample aliquot, which was conducted for the June 2013 samples. Subsequently, the NYSDEC required that the samples be filtered through a 0.45, in-line filter in the field – this was conducted for the October 2104 groundwater samples.

5.3 Groundwater Analytical Parameters

Per **Section 4.3.1** of the NYSDEC-approved QAPP, the groundwater samples collected as part of Closure were analyzed by TestAmerica. Depending upon the former uses of the AOCs and specific NYSDEC requirements, each groundwater sample was analyzed for one or more of the following NYSDEC analytes in accordance with Level B ASP:

- TCL VOCs plus ten TICs by EPA Method 8260B;
- TCL SVOCs plus 20 TICs by EPA Method 8270C;
- TAL metals by the EPA 6010B / 7470A Series; and / or,
- Formaldehyde by EPA Method 8315.

The specific parameters analyzed for each round of groundwater sampling are discussed below.

Per the QAPP, the following QA / QC samples were utilized to support the ASP Level B analyses of project-related groundwater samples:

- Field / blind duplicate samples to assess the variability of a matrix at a specific sampling point and to assess the reproducibility of the sampling method;
- Trip blanks for TCL VOC analysis only to evaluate if VOC cross contamination occurs during sample shipment;
- Equipment rinsate blanks to evaluate the effectiveness of field decontamination procedures; and,
- MS / MSD blanks to evaluate whether matrix interferences are either resulting on a loss of the spiked chemical (i.e., results in low-biased data) or an increase in the spiked chemical (i.e., results in high-biased data).

The full Level B analytical data packages for the groundwater samples are included in electronic format in **Appendix G**.

Per the requirements of the QAPP, all of the groundwater analytical data collected as part of Closure were subject to an independent third party DUSR to evaluate the quality of the analytical data, as discussed in **Section 7.0**, below.

5.4 Site-specific Hydrogeology

Historic soil boring data for the adjacent North Lot Area indicated the present of non-continuous silt and clay layers and it appeared that areas of perched groundwater were present overlying the regional aquifer which first occurs in the underlying Upper Glacial Aquifer unit. It is believed that several of the former on-site groundwater monitoring wells may have been completed within both perched zones and in the Upper Glacial Aquifer. Supporting evidence for this includes:

- According to the USGS, in 2006, groundwater in the vicinity of the Subject Property exhibits a southerly flow direction with in the Upper Glacial Aquifer unit (see **Figure 5-2**);
- Data in the RCRA Closure Plan provide an evaluation of depth-to-water data collected by ERM in May of 2000. As indicated in **Figure 5-13** of the Closure Plan, there was not a discernable pattern of groundwater flow direction, likely due to the completion of the wells in various hydrologic units; and,
- During Closure soil sampling and excavation, the depth-to-water varied from a few inches below the surface to greater than ten-feet bgs at sampling locations at the same relative locations. Again, it is believed that this disparity is a function of the presence of discontinuous soil and clay layers which result in discontinuous areas of shallow, perched groundwater.

As of July of 2013, the majority of the existing on-site wells had been destroyed and only four wells were present, including: P2-1, P2-5, P2-7 and MW-9S. Based upon the lack of recent groundwater analytical data, and to evaluate groundwater conditions directly downgradient of various AOCs, the NYSDEC required the installation of eight new groundwater monitoring wells (i.e., MWR-10 through MWR-17). In order to evaluate the regional groundwater flow direction, a potentiometric surface map for October 3, 2014 was prepared (see **Figure 5-1**).⁹ Based upon these data, the groundwater flow direction in the vicinity of the Subject Property is generally to the south, towards Glen Cove Creek.

5.5 Groundwater Analytical Results

This section of the CCR provides the analytical data for the groundwater samples collected from four extant wells in July of 2013 and ten extant wells in October of 2014.

5.5.1 July 2013 Groundwater Analytical Results

Groundwater samples were collected from existing wells P2-1, P2-5, P2-7 and MW-9S on July 17 2013 (see **Figure 5-3**). Per the NYSDEC-approved QAPP, the groundwater samples and associated QA / QC samples were analyzed by TestAmerica for TCL VOCs and total / dissolved TAL metals. The samples collected from P2-7 and MW-9S were also analyzed for formaldehyde due to its historic detection by others.

⁹ Please note that the data from P2-1 was not utilized as this well appears to be completed within a shallow perched zone and use of its associated data resulted in a potentiometric surface map that did not appear to be accurate or reasonable.

As summarized in **Tables 5-2** and **5-3**, the majority of the analytes were either not detected, or detected at concentrations below their respective NYSDEC Class GA Standards or Guidance Values. Elevated concentrations of iron and manganese believed to represent “background” conditions. The presence of elevated concentrations of sodium in all four groundwater samples is believed to be a function of salt-water intrusion and not a site-specific impact.

5.5.2 October 2014 Groundwater Analytical Results

Groundwater samples were collected from P2-1, MWNL-01, and MWR-10 through MWR-17 in early October of 2014 (see **Figure 5-1**). Per the NYSDEC-approved QAPP, the groundwater samples and associated QA / QC samples were analyzed by TestAmerica for TCL VOCs, TCL SVOCs and total / dissolved TAL metals.¹⁰

5.5.2.1 TCL VOCs

As indicated in **Table 5-4**, 12 ug/l of 1,1,2-trichloroethane (1,1,2-TCA) in the MWR-14 groundwater sample was the only TCL VOC detected at a concentration exceeding its respective NYSDEC Class GA standard or guidance value.

5.5.2.2 TCL SVOCs

As indicated in attached **Table 5-5**, the only TCL SVOC detected in any of the samples was 2.3 ug/l of 1,4-dioxane in the MWNL-01 groundwater sample. There is no NYSDEC Class GA standard or guidance value for 1,4-dioxane and the detection noted was an estimated value below the reporting limit.

5.5.2.3 TAL Metals

The October 2014 TAL metals analytical data are present in **Table 5-6**. In general, this data set supports that groundwater underlying the Subject Property is not impacted by site-related contaminants (i.e., arsenic, cadmium, chromium and silver). Rather, the metals are typically naturally-elevated in Long Island groundwater (i.e., iron and manganese) and / or indicate the presence of salt water (i.e., sodium).

¹⁰ Per NYSDEC requirements, the dissolved TAL metals aliquot was field filtered.

6.0 IMPACTED SOIL REMEDIATION

As discussed above, in order to expedite the timeline for RCRA Closure, the NYSDEC allowed for the remediation of impacted soils as identified in **Section 4.0** of this CCR concurrently with Closure activities. The following provides the NYSDEC-approved methodologies for conducting the remediation of the impacted soils, as well as a summary of the final post-excavation, confirmatory soil sample analyses. In a few cases, non-RCRA areas such as Former Tank No. 6 were also included in this part of the Closure at the request of the NYSDEC.

6.1 AOCs Selected for Remediation

As indicated in the NYSDEC-approved Closure Plan, the investigation-phase soil analytical data were compared to NYSDEC Unrestricted and Residential AOCs to determine if remediation was warranted. As summarized in **Tables 3-1** and **6-1**, the AOCs requiring soil remediation were primarily identified by their Soil Boring Identification Numbers. Based upon intervening meetings and discussions with the NYSDEC, a total of 41 individual areas / AOCs required remediation.

6.2 Remediation Procedures

At each area identified by the NYSDEC for remediation, the following actions were conducted:

- The estimated extent of the excavation was marked out with spray paint and / or surveyor flags;
- Concrete foundation elements (if any) were removed and stockpiled;
- Impacted soils were removed, temporarily staged atop, and covered by plastic sheeting, in the Materials Staging Area;
- If required, infiltrating stormwater / groundwater were removed with a trash pump. The liquids were addressed through the on-site groundwater treatment system with eventual discharge to the Nassau County Department of Public Works (NCDPW) sewer system. A copy of the NCDPW sewage discharge permit is included in **Appendix B**;
- Confirmatory, end-point sidewall and bottom soil samples were collected at the direction of the on-site NYSDEC representative. These data were submitted to the NYSDEC in draft format to determine whether an AOC was successfully remediated;
- Due to the presence of elevated concentrations of contaminant(s), several of the excavations required supplemental removal of soils; and additional

confirmatory, end-point sidewall and bottom soil samples were collected at the direction of the on-site NYSDEC representative; and,

- Upon the successful remediation, and with NYSDEC approval, many of the excavations were backfilled. Some on-site areas were not restored to grade due to future land-use considerations.

6.3 End-point, Confirmatory Soil Analyses

As discussed in a November 12, 2014 meeting with the NYSDEC, and as summarized in **Table 6-1**, the regulatory thresholds for remediation from the Closure Plan were revised to include the following:

- Unrestricted / Residential SCOs, where reasonably attainable;
- Restricted Residential SCOs; and / or,
- Commercial SCOs or NYSDEC-approved AOC-specific SCOs where available data indicated that impacted soils were not impacting groundwater and engineering / administrative controls (e.g., easements) will be implemented to ensure future on-site occupants do not come into contact with impacted media.

A Site Management Plan (SMP) will be submitted under a separate cover detailing the institutional and engineering controls which will be implemented to allow for the use of areas of the Subject Property where soil remediation activities did not achieve Unrestricted / Residential SCOs.

As discussed above, the NYSDEC was provided with both the Closure investigation soil boring analytical data and remediation, confirmatory, end-point soil analytical data as they become available. Based upon these data and meetings with Apex, the NYSDEC directed which analytical parameters were to be analyzed for on an area-by-area basis. All of the confirmatory, end-point soil samples, and associated QA QC samples, were analyzed by TestAmerica in accordance with Level B ASP. All remediation / excavation work was conducted in accordance with the project QAPP and CAMP.

6.4 Coordination with Other Project Documents

Based upon a project meeting held on October 21, 2015 and review of the soil and groundwater analytical data collected in both the Investigation and Remediation phases of Closure, the NYSDEC confirmed that the final end-use of the overall property will be Restricted Residential, assuming that the appropriate Institution Controls (ICs) and Engineering Controls (ECs) are maintained in accordance with a NYSDEC-approved Site Management Plan (SMP). The NYSDEC is specifically requiring the use and maintenance of

a two-foot-thick layer of clean soil / imported fill in locations not covered by building envelopes, parking lots and other impermeable surfaces. All discussions regarding future land uses, and any ECs and ICs associated with same, will be provided in a SMP to be provided under a separate cover.

6.5 AOC Specific Soil Remediation

The following provides an area-by-area breakdown of the remediation phase of the RCRA Closure project. It should be noted that in several cases, initial and / or supplemental confirmatory, end-point soil samples contained one or more contaminants at concentrations exceeding their respective NYSDEC SCOs. Many of these areas were subject to follow-on, supplemental excavation activities. In these cases, some of the initial confirmatory sampling locations were removed. These data points are indicated on the following summary tables as crossed out in order to provide the complete data sets.

6.5.1 Former Main Basement Area

There were four areas within this area which contained impacted soils warranting remediation.

6.5.1.1 MB-2/3/9/10/12/13/14/15/16/17 and CC-2/3/4/5

As summarized in **Figure 6-1** and **Table 6-2**, a total of 49 confirmatory, end-point side wall and bottom soil samples were collected and analyzed for TAL metals. This excavation required multiple supplemental excavations with a final resultant excavation of approximately 45 by 55 feet and a maximum depth of eight-feet bgs (approximately 700 to 750 cubic yards (CY)). There were a total of 28 final confirmatory end-point soil samples (i.e., MB-EP#34, MB-EP#34, MB-EP#35, MB-EP#36, MB-EP#37, MB-EP#39, MB-EP#40, MB-EP#41, MB-EP#42, MB-EP#43, MB-EP#61, MB-EP#62, MB-EP#69, MB-EP#70, MB-EP#71, MB-EP#72, MB-EP#73, MB-EP#99, MB-EP#100, MB-EP#101, MB-EP#102, MB-EP#103, MB-EP#104, MB-EP#105, MB-EP#106, MB-EP#107, MB-EP#108, MB-EP#109 and MB-EP#110). With the expansion of the excavation due to supplemental remediation requirements, the former Central Corridor Area AOC was incorporated within the excavation.

The final end-point samples (i.e., after completion of final excavation events) indicated that all confirmatory samples met Closure performance guidelines, and there are no further RCRA Closure requirements.

6.5.1.2 MB-22, Sample Area 4A and Bldg-1-RCRA-4-SB-4 etc

As summarized in **Figure 6-2** and **Table 6-3**, a total of 44 confirmatory, end-point side wall and bottom soil samples were collected and analyzed for TAL metals. This area required

multiple supplemental excavations with a final resultant excavation of approximately 37 by 55 feet and a maximum depth of eight-feet bgs (500 to 600 CY). There were a total of 25 final confirmatory end-point soil samples (i.e., MB-EP#1, MB-EP#2, MB-EP#3, MB-EP#5, MB-EP#56, MB-EP#87, MB-EP#88, MB-EP#89, MB-EP#90, MB-EP#91, MB-EP#92, MB-EP#93, MB-EP#94, MB-EP#95, MB-EP#96, MB-EP#97 and MB-EP#98).

The final end-point samples indicated that all confirmatory samples met Closure performance guidelines, and there are no further RCRA Closure requirements.

6.5.1.3 MB-26/27

As summarized in **Figures 6-3** and **6-4**, and **Tables 6-4** and **6-5**, five confirmatory, end-point side wall and bottom soil samples were collected and analyzed for TAL metals from each of these two adjacent excavations. The MB-26 excavation was approximately nine by nine feet with a maximum depth of eight-feet bgs (25 CY). The MB-27 excavation was approximately nine by ten feet with a maximum depth of two-feet bgs (7 CY). There were a total of five final confirmatory end-point soil samples for the MB-26 excavation (i.e., MB-EP#17, MB-EP#18, MB-EP#19, MB-EP#20, and MB-EP#21) and five final confirmatory end-point soil samples for the MB-27 excavation (i.e., MB-EP#22, MB-EP#23, MB-EP#24, MB-EP#25 and MB-EP#26).

The final end-point samples indicated that all confirmatory samples for both excavations met Closure performance guidelines, and there are no further RCRA Closure requirements.

6.5.1.4 MB-31

As summarized in **Figure 6-5** and **Table 6-6**, a total of seven confirmatory, end-point side wall and bottom soil samples were collected and analyzed for TAL metals. This excavation required one supplemental excavation with a final resultant excavation of approximately nine by 12 feet and a maximum depth of two-feet bgs (8 CY). There were a total of six final confirmatory end-point soil samples (i.e., MB-EP#27, MB-EP#28, MB-EP#29, MB-EP#31, MB-EP#85 and MB-EP#86).

The final end-point samples indicated that all confirmatory samples met Closure performance guidelines, and there are no further RCRA Closure requirements.

6.5.2 Former Emulsion Room / Tank No. 9 Areas

During the removal of Tank No. 9, fuel oil-impacted soils were encountered, the remediation of which eventually was coordinated with remedial activities in the former Emulsion Room Area. There were two areas within this area which contained impacted soils warranting remediation.

6.5.2.1 ER-3

As summarized in **Figure 6-6** and **Table 6-7**, a total of 18 confirmatory, end-point side wall and bottom soil samples were collected and analyzed for TAL metals. This area required supplemental excavations with a final resultant excavation of approximately nine by 15 feet and a maximum depth of seven-feet bgs (25 to 35 CY). There were a total of ten final confirmatory end-point soil samples (i.e., ER-EP#3, ER-EP#5, ER-EP#11, ER-EP#12, ER-EP#13, ER-EP#14, ER-EP#15, ER-EP#16, ER-EP#173 and ER-EP#18).

The final end-point samples indicated that all confirmatory samples met Closure performance guidelines, and there are no further RCRA Closure requirements.

6.5.2.2 Former Tank 9 / ER-9 / ER-13

As indicated in **Figure 6-7**, the ER-13 soil boring was completely included within the final excavation required to remediate impacted soils associated with the former Tank No. 9 Area.

Based upon available information, on June 15, 2005, the NYSDEC was notified of the possible presence of floating petroleum in Glen Cove Creek located approximately 400 feet east southeast of the Subject Property. The NYSDEC Spills representative back-tracked the petroleum through a sub-grade distribution piping system on the Konica Minolta facility and the ultimate source of the petroleum was believed to be Tank No. 9 associated with the facility's former boiler room. Tank No. 9 was reported to be a 20,000-gallon capacity, No. 6 fuel oil UST. The NYSDEC issued Spill No. 05-03162 in connection with the incident.

Circa late April through May of 2013, the following actions were taken with respect to Tank No. 9 as part of Closure:

- The top of Tank No. 9 was exposed and removed and proved to be abandoned-in-place with a concrete slurry which was removed and staged for disposal;
- The tank was removed on May 8, 2013. The soil and groundwater in the tank grave exhibited visual and olfactory evidence of petroleum impacts;
- Over the next several months, with NYSDEC oversight, saturated and unsaturated soils which exhibited visual and / or olfactory evidence of petroleum impact(s) were excavated;
- The excavation activities required de-watering to allow for the removal of the impacted soils. The de-watering liquids were treated through a groundwater treatment system which consisted of an oil / water separator, several frac tanks, particle filters and granulated-activated carbon (GAC) filters. The treated effluent was discharged to the NCDPW sewer system under an approved discharge permit (see **Appendix B**); and,

- Concrete foundation elements associated with former on-site infrastructure were removed.

Due the tank grave's location adjacent to a hillside, significant amounts of overlying soils required removal to allow for access to the petroleum-impacted soils.

On October 17, 2013, all soils exhibiting visual and / or olfactory evidence of petroleum impacts were successfully removed. This excavation required multiple supplemental excavations with a final resultant excavation of approximately 80 by 80 feet and a maximum depth of 30-feet bgs (2,200 to 2,500 CY).¹¹ There were a total of 17 final confirmatory end-point soil samples (i.e., T9-EP#1, T9-EP#2, T9-EP#5, T9-EP#8, T9-EP#9, T9-EP#10, T9-EP#11, T9-EP#12, T9-EP#13, T9-EP#14, T9-EP#15, T9-EP#16, T9-EP#17, T9-EP#21, T9-EP#31, T9-EP#32, T9-EP#33).

As summarized in **Figure 6-7** and **Tables 6-8** through **6-10**, 15 confirmatory, end point soil samples were collected and analyzed for TCL VOCs and TCL SVOCs, none of which were detected at concentrations approaching their respective NYSDEC Unrestricted SCOs. A total of 34 confirmatory, end-point soil samples were collected and analyzed for TAL metals.

The final end-point samples indicated that all confirmatory samples met Closure performance guidelines, and there are no further RCRA Closure requirements.

At the direction of the NYSDEC Spills representative, several manholes associated with the stormwater drainage system were accessed in order to evaluate for the presence of remnant fuel oil associated with the June 2005 incident (see **Figure 6-8**). Other than some adsorbent boom materials present in MH-2, which did not exhibit any suspect characteristics, there was no visual / olfactory evidence of petroleum products in any of the accessed structures.

The NYSDEC closed Spill No. 05-03162 on August 22, 2014.

6.5.3 Oil Room

There were three areas within this AOC which contained impacted soils warranting remediation.

¹¹ This AOC underlain a portion of the Subject Property with a topographic slope between areas of elevation of approximately 40 feet amsl to 58 feet amsl.

6.5.3.1 FO-4

As summarized in **Figure 6-9** and **Table 6-11**, a total of 18 confirmatory, end-point side wall and bottom soil samples were collected and analyzed for TAL metals. This area required supplemental excavations with a final resultant excavation of approximately 13 by 15 feet and a maximum depth of six-feet bgs (40 to 45 CY). There were a total of ten final confirmatory end-point soil samples (i.e., FO-EP#1, FO-EP#5, FO-EP#16, FO-EP#22, FO-EP#23, FO-EP#24, FO-EP#25, FO-EP#31, FO-EP#32 and FO-EP#33).

The final end-point samples indicated that all confirmatory samples met Closure performance guidelines, and there are no further RCRA Closure requirements.

6.5.3.2 FO-7

As summarized in **Figure 6-10** and **Table 6-12**, a total of five confirmatory, end-point side wall and bottom soil samples were collected and analyzed for TCL VOCs, TCL SVOCs TAL metals. The resultant excavation of approximately 11 by 11 feet and a maximum depth of six-feet bgs (20 to 30 CY). There were a total of five final confirmatory end-point soil samples (i.e., FO-EP#7, FO-EP#8, FO-EP#9, FO-EP#10 and FO-EP#11).

The final end-point samples indicated that all confirmatory samples met Closure performance guidelines, and there are no further RCRA Closure requirements.

6.5.3.3 Bldg6-SB-2

As summarized in **Figure 6-11** and **Tables 6-13** through **6-15**, a total of ten confirmatory, end-point side wall and bottom soil samples were collected and analyzed for TAL metals. This area required supplemental excavations with a final resultant excavation of approximately ten by 14 feet and a maximum depth of seven-feet bgs (30 to 40 CY). There were a total of six final confirmatory end-point soil samples (i.e., FO-EP#17, FO-EP#18, FO-EP#20, FO-EP#21, FO-EP#29 and FO-EP#30).

The final end-point samples indicated that all confirmatory samples met Closure performance guidelines, and there are no further RCRA Closure requirements.

6.5.4 South Lot Area

There were nine areas within this AOC which contained impacted soils warranting remediation.

6.5.4.1 SL-1 / UNKUST-2

During the excavation of this area on December 5, 2013, an unknown / un-registered UST was encountered. With NYSDEC-oversight, the abandoned-in-place, single-wall, steel UST with an estimated capacity of 3,000-gallons was removed. As summarized in **Figure 6-12** and **Tables 6-16** and **6-17**, a total of five confirmatory, end-point side wall and bottom soil samples were collected and analyzed for TCL SVOCs and 28 samples were analyzed for TAL metals. This area required supplemental excavations with a final resultant L-shaped excavation of approximately 17 by 37 feet, 15 by 20 feet and a maximum depth of 11-feet bgs (350 to 400 CY). There were a total of 13 final confirmatory end-point soil samples (i.e., SL-EP#211, SL-EP#212, SL-EP#216, SL-EP#324, SL-EP#324, SL-EP#326, SL-EP#327, SL-EP#328, SL-EP#329, SL-EP#330, SL-EP#331 and SL-EP#332).

The final end-point samples indicated that all confirmatory samples met Closure performance guidelines, and there are no further RCRA Closure requirements.

6.5.4.2 SL-2

As summarized in **Figure 6-13** and **Table 6-18**, a total of 32 confirmatory, end-point side wall and bottom soil samples were collected and analyzed for TAL metals. This area required supplemental excavations with a final resultant excavation of approximately 18 by 23 feet and a maximum depth of 14-feet bgs (200 to 250 CY). There were a total of ten final confirmatory end-point soil samples (i.e., SL-EP#190, SL-EP#303, SL-EP#304, SL-EP#305, SL-EP#306, SL-EP#307, SL-EP#308, SL-EP#377, SL-EP#378, SL-EP#379).

The final end-point samples indicated that all confirmatory samples met Closure performance guidelines, and there are no further RCRA Closure requirements.

6.5.4.3 SL-3/39/40

As summarized in **Figure 6-14** and **Tables 6-19** and **6-20**, a total of four confirmatory, end-point side wall and bottom soil samples were collected and analyzed for TCL SVOCs and 45 soil samples were analyzed for TAL metals. This area required supplemental excavations with a final resultant excavation of approximately 22 by 50 feet and a maximum depth of seven-feet bgs (250 to 300 CY). There were a total of 34 final confirmatory end-point soil samples (i.e., SL-EP#154, SL-EP#156, SL-EP#157, SL-EP#158, SL-EP#159, SL-EP#160, SL-EP#161, SL-EP#162, SL-EP#165, SL-EP#167, SL-EP#170, SL-EP#171, SL-EP#172, SL-EP#174, SL-EP#176, SL-EP#177, SL-EP#178, SL-EP#223, SL-EP#224, SL-EP#225, SL-EP#226, SL-EP#227, SL-EP#228, SL-EP#230, SL-EP#231, SL-EP#232, SL-EP#233, SL-EP#234, SL-EP#235, SL-EP#236, SL-EP#309, SL-EP#310, SL-EP#31 and SL-EP#312).

The final end-point samples indicated that all confirmatory samples met Closure performance guidelines, and there are no further RCRA Closure requirements.

6.5.4.4 SL-4/5/6

As summarized in **Figure 6-15** and **Tables 6-21** and **6-22**, a total of 23 confirmatory, end-point side wall and bottom soil samples were collected and analyzed for TCL SVOCs and TAL metals. This area required supplemental excavations with a final resultant excavation of approximately 20 by 21 feet and a maximum depth of five-feet bgs (70 to 80 CY). There were a total of 16 final confirmatory end-point soil samples (i.e., SL-EP#72, SL-EP#72, SL-EP#72, SL-EP#73, SL-EP#76, SL-EP#77, SL-EP#118, SL-EP#119, SL-EP#120, SL-EP#121, SL-EP#122, SL-EP#123, SL-EP#126, SL-EP#127, SL-EP#128, SL-EP#179, SL-EP#180, SL-EP#181 and SL-EP#182).

The final end-point samples indicated that all confirmatory samples met Closure performance guidelines, and there are no further RCRA Closure requirements.

6.5.4.5 SL-7/8/9/10 / CM-32

During soil remediation in this excavation, the area expanded to include the CM-32 location. As summarized in **Figure 6-16** and **Table 6-23**, a total of 24 confirmatory, end-point side wall and bottom soil samples were collected and analyzed for TAL metals. This area required supplemental excavations with a final resultant L-shaped excavation of approximately 18 by 51 feet, 15 by 25 feet and a maximum depth of ten-feet bgs (450 to 500 CY). There were a total of 12 final confirmatory end-point soil samples (i.e., SL-EP#81, SL-EP#83, SL-EP#86, SL-EP#128, SL-EP#129, SL-EP#130, SL-EP#131, SL-EP#133, SL-EP#134, SL-EP#35, SL-EP#36 and SL-EP#194).

The final end-point samples indicated that all confirmatory samples met Closure performance guidelines, and there are no further RCRA Closure requirements.

6.5.4.6 SL-12

As summarized in **Figure 6-17** and **Table 6-24**, a total of 16 confirmatory, end-point side wall and bottom soil samples were collected and analyzed for TAL metals. This area required supplemental excavations with a final resultant excavation of approximately 14 by 26 feet and a maximum depth of six-feet bgs (75 to 80 CY). There were a total of ten final confirmatory end-point soil samples (i.e., SL-EP#68, SL-EP#70, SL-EP#111, SL-EP#113, SL-EP#116, SL-EP#117, SL-EP#182, SL-EP#184, SL-EP#185 and SL-EP#186).

The final end-point samples indicated that all confirmatory samples met Closure performance guidelines, and there are no further RCRA Closure requirements.

6.5.4.7 SL-20/21/22 / CM-28/29 / TANKERCONT-SB-2 / BLDG-4-RCRA1-SB-1/5/6

During soil remediation in this large excavation, the area expanded to include several sampling locations. As summarized in **Figure 6-18** and **Tables 6-25** and **6-26**, a total of 51 confirmatory, end-point side wall and bottom soil samples were collected and analyzed for TCL SVOCs and 84 soil samples were analyzed for TAL metals. This area required supplemental excavations with a final resultant excavation of approximately 96 by 115 feet and a maximum depth of ten-feet bgs (3,800 to 4,200 CY). There were a total of 61 final confirmatory end-point soil samples (i.e., SL-EP#17, SL-EP#18, SL-EP#19, SL-EP#20, SL-EP#21, SL-EP#22, SL-EP#23, SL-EP#25, SL-EP#26, SL-EP#27, SL-EP#29, SL-EP#30, SL-EP#31, SL-EP#33, SL-EP#34, SL-EP#37, SL-EP#38, SL-EP#41, SL-EP#45, SL-EP#46, SL-EP#47, SL-EP#48, SL-EP#49, SL-EP#50, SL-EP#51, SL-EP#52, SL-EP#53, SL-EP#54, SL-EP#56, SL-EP#57, SL-EP#64, SL-EP#195, SL-EP#197, SL-EP#203, SL-EP#204, SL-EP#205, SL-EP#206, SL-EP#207, SL-EP#208, SL-EP#209, SL-EP#210, SL-EP#260, SL-EP#261, SL-EP#262, SL-EP#263, SL-EP#264, SL-EP#257, SL-EP#258, SL-EP#259, SL-EP#313, SL-EP#314, SL-EP#315, SL-EP#316, SL-EP#317, SL-EP#318, SL-EP#319, SL-EP#320, SL-EP#321, SL-EP#322 and SL-EP#323).

The final end-point samples indicated that all confirmatory samples met Closure performance guidelines, and there are no further RCRA Closure requirements.

6.5.4.8 SL-23

As summarized in **Figure 6-19** and **Tables 6-27** and **Table 6-28**, one confirmatory, end-point side and bottom soil sample was collected and analyzed for TCL SVOCs and 60 bottom and side-wall samples were collected and analyzed for TAL metals. This area required supplemental excavations with a final resultant excavation of approximately 24 by 29 feet and a maximum depth of seven-feet bgs (180 to 190 CY). There were a total of 32 final confirmatory end-point soil samples (i.e., SL-EP#95, SL-EP#96, SL-EP#278, SL-EP#279, SL-EP#280, SL-EP#281, SL-EP#282, SL-EP#283, SL-EP#288, SL-EP#289, SL-EP#290, SL-EP#291, SL-EP#292, SL-EP#293, SL-EP#294, SL-EP#295, SL-EP#296, SL-EP#297, SL-EP#348(s), SL-EP#348(d), SL-EP#349(s), SL-EP#349(d), SL-EP#350(s), SL-EP#350(d), SL-EP#351(s), SL-EP#351(d), SL-EP#352(s), SL-EP#352(d), SL-EP#353, SL-EP#354, SL-EP#355 and SL-EP#356).

The final end-point samples indicated that all confirmatory samples met Closure performance guidelines, and there are no further RCRA Closure requirements.

6.5.4.9 SL-33/34 / RD-4/6/7

During the conduct of soil remediation in this large excavation, the area expanded to include several sampling locations. As summarized in **Figure 6-20** and **Tables 6-29** and **6-30**, a total of 93 confirmatory, end-point side wall and bottom soil samples were collected and analyzed for TCL SVOCs and TAL metals. This area required supplemental excavations with a final resultant excavation of approximately 40 by 65 feet and a maximum depth of seven-feet bgs (650 to 700 CY). There were a total of 45 final confirmatory end-point soil samples (i.e., SL-EP#137, SL-EP#152, SL-EP#153, SL-EP#237, SL-EP#238, SL-EP#239, SL-EP#240, SL-EP#332, SL-EP#332, SL-EP#334, SL-EP#335, SL-EP#336, SL-EP#337, SL-EP#357(s), SL-EP#357(d), SL-EP#358(s), SL-EP#358(d), SL-EP#359(s), SL-EP#359(d), SL-EP#360(s), SL-EP#360(d), SL-EP#361(s), SL-EP#361(d), SL-EP#362(s), SL-EP#362(d), SL-EP#3631(s), SL-EP#363 (d), SL-EP#364(s), SL-EP#364(d), SL-EP#365(s), SL-EP#365(d), SL-EP#366(s), SL-EP#366(d), SL-EP#367, SL-EP#368, SL-EP#369, SL-EP#370, SL-EP#371, SL-EP#372, SL-EP#373, SL-EP#374, SL-EP#375 and SL-EP#376).

The final end-point samples indicated that all confirmatory samples met Closure performance guidelines, and there are no further RCRA Closure requirements.

6.5.5 Former Quonset Hut Area - SL-31

As summarized in **Figure 6-21** and **Tables 6-31** and **6-32**, a total of five confirmatory, end-point side wall and bottom soil samples were collected and analyzed for TCL SVOCs and TAL metals. The resultant excavation was approximately nine by nine feet and had a maximum depth of eight-feet bgs (25 CY). There were a total of five final confirmatory end-point soil samples (i.e., SL-EP#1, SL-EP#2, SL-EP#3, SL-EP#47 and SL-EP#5).

The final end-point samples indicated that all confirmatory samples met Closure performance guidelines, and there are no further RCRA Closure requirements.

6.5.6 Former R&D Building Area

There were four areas within this overall AOC which contained impacted soils warranting remediation.

6.5.6.1 RD-3

As summarized in **Figure 6-22** and **Table 6-33**, a total of 14 confirmatory, end-point side wall and bottom soil samples were collected and analyzed for TAL metals. This area required supplemental excavations with a final resultant excavation of approximately 12 by 12 feet and a maximum depth of six-feet bgs (30 CY). There were a total of nine final confirmatory

end-point soil samples (i.e., RD-EP#4, RD-EP#5, RD-EP#42, RD-EP#62, RD-EP#63, RD-EP#64, RD-EP#65, RD-EP#66 and RD-EP#67).

The final end-point samples indicated that all confirmatory samples met Closure performance guidelines, and there are no further RCRA Closure requirements.

6.5.6.2 RD-10/11/12/13/20

During soil remediation in this large excavation, the area expanded to include several sampling locations. As summarized in **Figure 6-23** and **Table 6-34**, a total of 96 confirmatory, end-point side wall and bottom soil samples were collected and analyzed for TAL metals. This area required supplemental excavations with a final resultant excavation of approximately 45 by 60 feet and a maximum depth of ten-feet bgs (1,000 CY). There were a total of 48 final confirmatory end-point soil samples (i.e., RD-EP#13, RD-EP#14, RD-EP#17, RD-EP#27, RD-EP#28, RD-EP#29, RD-EP#37, RD-EP#38, RD-EP#39, RD-EP#48, RD-EP#49, RD-EP#90, RD-EP#91, RD-EP#92, RD-EP#93, RD-EP#94, RD-EP#97, RD-EP#98, RD-EP#99, RD-EP#100, RD-EP#117, RD-EP#118, RD-EP#119, RD-EP#120, RD-EP#121, RD-EP#122, RD-EP#123, RD-EP#124, RD-EP#125, RD-EP#126, RD-EP#127) RD-EP#128, RD-EP#129, RD-EP#130, RD-EP#131, RD-EP#132, RD-EP#133, RD-EP#134, RD-EP#135, RD-EP#136, RD-EP#137, RD-EP#138, RD-EP#139, RD-EP#140 and RD-EP#141).

The final end-point samples indicated that all confirmatory samples met Closure performance guidelines, and there are no further RCRA Closure requirements.

6.5.6.3 RD-17

As summarized in **Figure 6-24** and **Table 6-35**, a total of 23 confirmatory, end-point side wall and bottom soil samples were collected and analyzed for TAL metals. This area required supplemental excavations with a final resultant excavation of approximately 14 by 22 feet and a maximum depth of eight-feet bgs (90 to 100 CY). There were a total of 14 final confirmatory end-point soil samples (i.e., RD-EP#9, RD-EP#56, RD-EP#81, RD-EP#82, RD-EP#83, RD-EP#86, RD-EP#109, RD-EP#110, RD-EP#111, RD-EP#112, RD-EP#113, RD-EP#114, , RD-EP#115 and RD-EP#116).

The final end-point samples indicated that all confirmatory samples met Closure performance guidelines, and there are no further RCRA Closure requirements.

6.5.6.4 Bldg2-EarthenPits-SB-1

As summarized in **Figure 6-25** and **Table 6-36**, a total of seven confirmatory, end-point side wall and bottom soil samples were collected and analyzed for TAL metals. This area required a supplemental excavation with a final resultant excavation of approximately ten by

12 feet and a maximum depth of four-feet bgs (20 CY). There were a total of six final confirmatory end-point soil samples (i.e., RD-EP#32, RD-EP#34, RD-EP#35, RD-EP#36, RD-EP#60 and RD-EP#61).

The final end-point samples indicated that all confirmatory samples met Closure performance guidelines, and there are no further RCRA Closure requirements.

6.5.7 Former Chem Mix Building Area

There were four areas within this overall AOC which contained impacted soils warranting remediation.

6.5.7.1 CM-7/8 / BLDG-4-SB-1

As summarized in **Figure 6-26** and **Tables 6-37a, 37** and **6-38**, a total of eight confirmatory, end-point side wall and bottom soil samples were collected and analyzed for TCL SVOCs and 15 samples were analyzed for TAL metals. This area required supplemental excavations with a final resultant excavation of approximately 15 by 50 feet and a maximum depth of eight-feet bgs (200 to 250 CY). There were a total of 11 final confirmatory end-point soil samples (i.e., RD-EP#1, RD-EP#2, RD-EP#4, RD-EP#6, RD-EP#8, RD-EP#26 RD-EP#27, RD-EP#28, RD-EP#29, RD-EP#30 and RD-EP#36).

The final end-point samples indicated that all confirmatory samples met Closure performance guidelines, and there are no further RCRA Closure requirements.

6.5.7.2 CM-21

As summarized in **Figure 6-27** and **Table 6-39** through **6-41**, a total of four confirmatory, end-point side wall and bottom soil samples were collected and analyzed for TCL VOCs, TCL SVOCs and TAL metals. This final resultant excavation was approximately 19 by 19 feet and a maximum depth of six-feet bgs (80 CY). There were a total of four final confirmatory end-point soil samples (i.e., CM-EP#22, CM-EP#23, CM-EP#24 and CM-EP#25).

The final end-point samples indicated that all confirmatory samples met Closure performance guidelines, and there are no further RCRA Closure requirements.

6.5.7.3 CM-33

As summarized in **Figure 6-28** and **Table 6-42**, a total of five confirmatory, end-point side wall and bottom soil samples were collected and analyzed for TAL metals. The final resultant excavation was approximately nine by ten feet with a maximum depth of four-feet

bgs (15 CY). There were a total of five final confirmatory end-point soil samples (i.e., CM-EP#17, CM-EP#18, CM-EP#19, CM-EP#20 and CM-EP#21).

The final end-point samples indicated that all confirmatory samples met Closure performance guidelines, and there are no further RCRA Closure requirements.

6.5.7.4 CM-34 / 35 / BLDG-4-SB-6

As summarized in **Figure 6-26** and **Table 6-43**, a total of 19 confirmatory, end-point side wall and bottom soil samples were collected and analyzed for TAL metals. This area required supplemental excavations with a final resultant excavation of approximately 14 by 39 feet and a maximum depth of six-feet bgs (120 CY). There were a total of 14 final confirmatory end-point soil samples (i.e., CM-EP#9, CM-EP#11, CM-EP#12, CM-EP#13, CM-EP#15, CM-EP#16, CM-EP#33, CM-EP#37, CM-EP#38, CM-EP#39, CM-EP#40, CM-EP#41, CM-EP#42 and CM-EP#43).

The final end-point samples indicated that all confirmatory samples met Closure performance guidelines, and there are no further RCRA Closure requirements.

6.5.8 Former Columbia C-1 Building Area

There were three areas within this overall AOC which contained impacted soils warranting remediation.

6.5.8.1 C1-4

As summarized in **Figure 6-29** and **Table 6-44**, a total of five confirmatory, end-point side wall and bottom soil samples were collected and analyzed for TAL metals. This area required one supplemental excavation with a final resultant excavation of approximately 14 by 20 feet and a maximum depth of three-feet bgs (30 CY). There were a total of four final confirmatory end-point soil samples (i.e., C1-EP#25, C1-EP#26, C1-EP#31 and C1-EP#32).

The final end-point samples indicated that all confirmatory samples met Closure performance guidelines, and there are no further RCRA Closure requirements.

6.5.8.2 C1a

As summarized in **Figure 6-30** and **Tables 6-45** through **6-47**, a total of 24 confirmatory, end-point side wall and bottom soil samples were collected and analyzed for TCL VOCs, 50 samples for TCL SVOCs and 75 samples for TAL metals. This area required supplemental excavations with a final resultant excavation of approximately 42 by 65 feet and a maximum depth of ten-feet bgs (1,000 to 1,000 CY). There were a total of 19 final confirmatory end-

point soil samples (i.e., C1a-EP#5, C1a-EP#6, C1a-EP#11, C1a-EP#12, C1a-EP#23, C1a-EP#30, C1a-EP#31, C1a-EP#32, C1a-EP#36, C1a-EP#37, C1a-EP#38, C1a-EP#40, C1a-EP#41, C1a-EP#47, C1a-EP#48, C1a-EP#49, C1a-EP#50, C1a-EP#51, C1a-EP#5, C1a-EP#52 and C1a-EP#53).

The final end-point samples indicated that all confirmatory samples met Closure performance guidelines, and there are no further RCRA Closure requirements.

6.5.8.3 South Alleyway

As summarized in **Figure 6-31** and **Tables 6-48** through **6-50**, a total of 24 confirmatory, end-point side wall and bottom soil samples were collected and analyzed for TCL SVOCs and 28 soil samples for TAL metals. In order to evaluate property-line soil conditions, the NYSDEC requires ten additional soil borings with the collection and analyses of a total of 20 additional soil samples (i.e., Borings SA-01 through SA-10 with two sample analyzed from each) for TAL metals. This area required a supplemental excavation with a final resultant excavation of approximately 12 by 105 feet and a maximum depth of ten-feet bgs (400 to 500 CY). There were a total of 24 final confirmatory end-point soil samples (i.e., C1-EP#1, C1-EP#2, C1-EP#3, C1-EP#4, C1-EP#5, C1-EP#6, C1-EP#7, C1-EP#8, C1-EP#9, C1-EP#10, C1-EP#11, C1-EP#12, C1-EP#13, C1-EP#14, C1-EP#16, C1-EP#17, C1-EP#18, C1-EP#19, C1-EP#20, C1-EP#21, C1-EP#22, C1-EP#24, C1-EP#29 and C1-EP#30).

The final end-point samples indicated that all confirmatory samples met Closure performance guidelines, and there are no further RCRA Closure requirements.

The source of the barium was suspected to be associated with the concrete foundations and not an impact from a site-specific hazardous waste-related process or storage area. A sample of the *in-situ* concrete elements was collected and analyzed for barium which was detected at a concentration of 39.7 mg/kg (see **Appendix H** for the laboratory package for this sample).

6.5.9 Former Wedge Building

As summarized in **Figure 6-32** and **Tables 6-51** through **6-53**, a total of six confirmatory, end-point side wall and bottom soil samples were collected and analyzed for TCL VOCs, 24 samples for TCL SVOCs and 21 samples for TAL metals. This area required supplemental excavations with a final resultant excavation of approximately 30 by 101 feet and a maximum depth of ten-feet bgs (1,100 to 1,200 CY). There were a total of 17 final confirmatory end-point soil samples (i.e., W-EP#-12, W-EP#-12, W-EP#-12, W-EP#-12, W-EP#-12, W-EP#-12,

W-EP#-12, W-EP#-13, W-EP#-14, W-EP#-15, W-EP#-16, W-EP#-17, W-EP#-18, W-EP#-19, W-EP#-20, W-EP#-21, W-EP#-22, W-EP#-23, W-EP#-24, W-EP#-25 W-EP#-27, W-EP#-28 and W-EP#-29,).

The final end-point samples indicated that all confirmatory samples met Closure performance guidelines, and there are no further RCRA Closure requirements.

6.5.10 Former Columbia C-4, C-5 and C-6 Building and North Alleyway Areas

There were six areas within this overall AOC which contained impacted soils warranting remediation.

6.5.10.1 C4-2

As summarized in **Figure 6-33** and **Table 6-54**, a total of five confirmatory, end-point side wall and bottom soil samples were collected and analyzed for TAL metals. The final resultant excavation of approximately 18 by 19 feet and a maximum depth of three-feet bgs (40 CY). There were a total of five final confirmatory end-point soil samples (i.e., C4-EP#1, C4-EP#2, C4-EP#3, C4-EP#4 and C4-EP#5).

The final end-point samples indicated that all confirmatory samples met Closure performance guidelines, and there are no further RCRA Closure requirements.

6.5.10.2 North Alleyway Area / C5-4 / C5-3

During soil remediation in this large excavation, the area expanded to include several sampling locations (see **Figure 6-7**).

Soils exhibiting suspect hydrocarbon-like odors, black staining and positive PID responses were observed in the C5-4 boring location. Due to the presence of apparently-impacted soils, the on-site NYSDEC RCRA representative contacted the NYSDEC Spills Hotline and NYSDEC Spill No. 13-00846 was assigned to the incident.

The C5-4 and C5-3 borings were located adjacent to the North Alleyway AOC; therefore, for the purposes of RCRA / Spill closure, the C5-3 and C5-4 locations, and North Alleyway Area impacted soils were considered as a single site AOC to be remediated under Spill No. 13-00846.

Circa late May of 2013 through April of 2014, the following actions were taken with respect to C5-3 / C5-4 / North Alleyway AOC:

- Existing asphalt paving was stripped off and initial impacted soils were removed;
- Visually- and olfactory-impacted soils were identified at and below the water table extending beneath the northern adjacent hillside. This necessitated the “stripping off” of clean overburden from the hillside to allow access to remediate the impacted soils;
- Over the next months, with NYSDEC oversight, saturated and unsaturated soils which exhibited visual and / or olfactory evidence of petroleum impact(s) were excavated; and,
- The excavation activities required de-watering to allow for the removal of the impacted soils. The de-watering liquids were treated through a Nassau County-permitted groundwater treatment system which consisted of an oil / water separator, several frac tanks, particle filters and GAC filters and related effluent was discharged to the NCDPW sewer system.

Starting on October 25, 2013 and continuing through April 24, 2014, end-point confirmatory soil samples were collected with NYSDEC oversight / approval. Due to unstable soil conditions at and below the water table, upon receipt of “acceptable” confirmatory soil analytical data, a demarcation layer of filter fabric sheeting was installed and the associated portions of the excavation were backfilled. This excavation required multiple supplemental excavations with a final resultant excavation of approximately 110 by 200 feet and a maximum depth of 16-feet bgs.

During excavation activities in this area, an unknown UST was encountered adjacent and to the west of the former transformer area. The empty, single-wall, steel UST had an estimated capacity of 4,000 gallons. The tank was removed with NYSDEC oversight. This area was completely excavated as part of the North Alleyway Area remediation effort.

As summarized in **Figure 6-7** and **Tables 6-55** through **6-57**, 63 confirmatory, end point soil samples were collected and analyzed for TCL VOCs and TCL SVOCs and 85 samples were analyzed for TAL metals. There were a total of 70 final confirmatory end-point soil samples (i.e., NA-EP#1, NA-EP#2, NA-EP#3, NA-EP#4, NA-EP#5, NA-EP#6, NA-EP#7, NA-EP#8, NA-EP#9, NA-EP#10, NA-EP#11, NA-EP#12, NA-EP#14, NA-EP#16, NA-EP#17, NA-EP#18, NA-EP#19, NA-EP#20, NA-EP#22, NA-EP#23, NA-EP#27, NA-EP#28, NA-EP#29, NA-EP#30, NA-EP#31, NA-EP#32, NA-EP#34, NA-EP#35, NA-EP#36, NA-EP#37, NA-EP#38, NA-EP#39, NA-EP#40, NA-EP#41, NA-EP#42, NA-EP#44, NA-EP#45, NA-EP#46, NA-EP#47, NA-EP#48, NA-EP#49, NA-EP#50, NA-EP#51, NA-EP#52, NA-EP#53, NA-EP#54, NA-EP#55, NA-EP#56, NA-EP#57, NA-EP#58, NA-EP#59, NA-EP#60, NA-EP#61, NA-EP#62, NA-EP#63, NA-EP#170, NA-EP#71, NA-EP#72, NA-EP#73, NA-EP#76, NA-EP#77, NA-EP#78, NA-EP#79, NA-EP#80, NA-EP#81, NA-EP#82, NA-EP#83, NA-EP#84, NA-EP#85, NA-EP#1, NA-EP#1, NA-EP#1, NA-EP#1, NA-EP#1, NA-EP#1,

The final end-point samples indicated that all confirmatory samples met Closure performance guidelines, and there are no further RCRA Closure requirements.

The NYSDEC closed Spill No. 13-00846 on December 11, 2014.

6.5.10.3 C6-2

As summarized in **Figure 6-34** and **Table 6-58**, a total of ten confirmatory, end-point side wall and bottom soil samples were collected and analyzed for TAL metals. This area required a supplemental excavation with a final resultant excavation of approximately 13 by 13 feet and a maximum depth of two-feet bgs (12 CY). There were a total of eight final confirmatory end-point soil samples (i.e., C6-EP#1, C6-EP#2, C6-EP#5, C6-EP#49, C6-EP#50, C6-EP#51 and C6-EP#52).

The final end-point samples indicated that all confirmatory samples met Closure performance guidelines, and there are no further RCRA Closure requirements.

6.5.10.4 C6-6 / C6-Silverm-SB-1

As summarized in **Figure 6-35** and **Table 6-59**, a total of 12 confirmatory, end-point side wall and bottom soil samples were collected and analyzed for TAL metals. This area required a supplemental excavation with a final resultant excavation of approximately 33 by 57 feet and a maximum depth of eight-feet bgs. (500 to 600 CY). There were a total of ten final confirmatory end-point soil samples (i.e., C6-EP#7, C6-EP#8, C6-EP#9, C6-EP#11, C6-EP#12, C6-EP#13, C6-EP#20, C6-EP#21, C6-EP#22 and C6-EP#23).

The final end-point samples indicated that all confirmatory samples met Closure performance guidelines, and there are no further RCRA Closure requirements.

6.5.10.5 C6-8

As summarized in **Figure 6-36** and **Tables 6-60** and **6-61**, a total of eight confirmatory, end-point side wall and bottom soil samples were collected and analyzed for TCL SVOCs and five samples for TAL metals. This area required a supplemental excavation with a final resultant excavation of approximately nine by 13 feet and a maximum depth of eight-feet bgs (35 CY). There were a total of seven final confirmatory end-point soil samples (i.e., C6-EP#16, C6-EP#17, C6-EP#18, C6-EP#19, C6-EP#46, C6-EP#47 and C6-EP#48).

The final end-point samples indicated that all confirmatory samples met Closure performance guidelines, and there are no further RCRA Closure requirements.

6.5.10.6 C6-13

As summarized in **Figure 6-37** and **Tables 6-62** and **6-63**, a total of 82 confirmatory, end-point side wall and bottom soil samples were collected and analyzed for TCL SVOCs and 47 samples for TAL metals. This area required supplemental excavations with a final resultant excavation of approximately 43 by 63 feet and a maximum depth of eight-feet bgs (750 to 850 CY). There were a total of 48 final confirmatory end-point soil samples (i.e., C6-EP#20, C6-EP#21, C6-EP#22, , C6-EP#25, , C6-EP#26, , C6-EP#27, , C6-EP#35(s), , C6-EP#35(d), C6-EP#36(s), , C6-EP#36(d), C6-EP#37(s), , C6-EP#37(d), C6-EP#38, C6-EP#39, C6-EP#40, C6-EP#41, C6-EP#42, C6-EP#44, C6-EP#45, , C6-EP#22, C6-EP#53, C6-EP#54, C6-EP#55, C6-EP#56, C6-EP#57, C6-EP#59, C6-EP#60, C6-EP#62, C6-EP#63, C6-EP#64, C6-EP#65, C6-EP#66, C6-EP#67, C6-EP#68, C6-EP#69, C6-EP#70, C6-EP#71, C6-EP#72, C6-EP#77, C6-EP#82(s), , C6-EP#82(d), C6-EP#83(s), , C6-EP#83(d), C6-EP#84(s), , C6-EP#84(d), C6-EP#85(s), , C6-EP#85(d), C6-EP#86 and C6-EP#87).

The final end-point samples indicated that all confirmatory samples met Closure performance guidelines, and there are no further RCRA Closure requirements.

6.5.11 Building No. 9 (Annex)

There were two areas within this overall AOC which contained impacted soils warranting remediation.

6.5.11.1 B9-5

As of the date of this CCR, supplemental soil excavation activities are being conducted to address silver- and lead-impacted soils. The results of the supplemental soil excavation will be provided to the NYSDEC as an addendum to this CCR.

6.5.11.2 B9-9

As summarized in **Figure 6-38** and **Table 6-64**, a total of seven confirmatory, end-point side wall and bottom soil samples were collected and analyzed for TAL metals. The resultant excavation area was nine by nine feet with a maximum depth of nine-feet bgs (27 CY). There were a total of seven final confirmatory end-point soil samples (i.e., B9-EP#8, B9-EP#9, B9-EP#10, B9-EP#11, B9-EP#12, B9-EP#13 and B9-EP#4).

The final end-point samples indicated that all confirmatory samples met Closure performance guidelines, and there are no further RCRA Closure requirements.

6.5.12 Former North Lot Water Tank Area

As summarized in **Figure 6-39** and **Table 6-65**, a total of 14 confirmatory, end-point side wall and bottom soil samples were collected and analyzed for TAL metals. This area required supplemental excavations with a final resultant excavation of approximately 50 by 75 feet and a maximum depth of 6.5-feet bgs (800 to 900 CY). There were a total of nine final confirmatory end-point soil samples (i.e., WT-EP#01, WT-EP#02, WT-EP#03, WT-EP#04, WT-EP#06, WT-EP#08, WT-EP#09, WT-EP#12 and WT-EP#13).

The final end-point samples indicated that all confirmatory samples met Closure performance guidelines, and there are no further RCRA Closure requirements.

6.5.13 Former Tank No. 6

Former Tank No. 6 was a 12,000-gallon-capacity, No. 6 fuel oil UST which was reportedly abandoned-in-place prior to 2002.

As part of RCRA Closure activities and circa April / May 2013, the following actions were completed:

- The materials utilized to abandon the tank were removed;
- Intruding groundwater was present and removed for treatment / discharge through the treatment system to the NCDPW sewer system;
- The tank was removed and staged for NYSDEC inspection;
- Upon removal of the tank, there were visual and olfactory indications of a release of petroleum from the former tank and NYSDEC Spill No. 13-01082 was assigned to the incident; and,
- Impacted soils were excavated until un-impacted soil conditions were achieved.

As summarized in **Figure 6-40** and **Tables 6-66** through **6-68**, eight confirmatory, end point soil samples were collected and analyzed for TCL VOCs and TCL SVOCs, and nine soil samples were collected and analyzed for TAL metals. This area required a supplemental excavation with a final resultant excavation of approximately 36 by 48 feet and a maximum depth of 12-feet bgs (700 to 800 CY). There were a total of eight final confirmatory end-point soil samples (i.e., T6-EP#01, T6-EP#02, T6-EP#03, T6-EP#05, T6-EP#06, T6-EP#07 T6-EP#08, and T6-EP#09). The final end-point samples indicated that all confirmatory samples met Closure performance guidelines, and there are no further RCRA Closure requirements.

The NYSDEC closed Spill No. 13-01082 on January 14, 2014.

7.0 DATA USABILITY SUMMARY REPORT

This Data Usability Summary Report (DUSR) was prepared in accordance with **Section 6.2** of the NYSDEC-approved QAPP. The approved third party validator was Stephanie O. Davis, PG, CPG of the FPM Group (FPM).

There were a total of 93 Sample Data Groups (SDGs) generated as part of Closure with SDG Nos. 1 through 28 associated with the preliminary soil and groundwater investigation phase of the Project and SDG Nos. 29 through 93 associated with the soil remediation and follow-on groundwater sampling / analyses phases of Closure.

FPM prepared and issued separate DUSRs for each SDG which, depending upon the analysis(s) conducted, typically included the following:

- Ensured that all holding times were met;
- Confirmed that all the QC data (e.g., blanks, instrument tunings, calibration standards, calibration verifications, surrogate recoveries, spike recoveries, replicate analyses, laboratory controls and sample data) fell within the ASP B protocol-required limits and specifications;
- Confirmed that all of the data have been generated using established and agreed upon analytical protocols;
- Confirmed an evaluation of the raw data;
- Confirmed the results provided in the data summary sheets and quality control verification forms; and,
- Confirmed that correct data qualifiers had been used. In the event that data qualifiers were identified as not correct, were changed and included in the final data.

Due to the magnitude of the Project, number of AOCs evaluated and number of areas remediated, many of the SDGs included analytical results from multiple areas. Therefore, the laboratory analytical data were recast to provide data summaries on an AOC-by-area basis as discussed in **Sections 4.0, 5.0 and 6.0**, above. The SDG data summary tables per SDG, as amended by FPM (if required), are included in the individual SDG DUSRs, as included in **Appendix I**.

QA / QC issues identified in many of the datasets were related to laboratory control samples (LCS) / laboratory control sample duplicated (LCSD), matrix spike (MS) / matrix spike duplicates (MSD), continuing calibration verification (CCV) and method blanks (MBs). The only data rejected by the data validator were occasional “non-detected” values for TCL VOCs and TCL SVOCs associated with LCS / LCSD issues.

For all of the SDGs, the independent data validator stated: *“The (soil and or groundwater) samples were reported to have been collected in accordance with the NYSDEC-approved QAPP for this project. No field or laboratory conditions occurred that would result in non-valid analytical data other than as noted above. The data appear to be adequate for their intended purpose.”*

8.0 WASTE DISPOSAL

All wastes (e.g., impacted soils, tank shells, floating product) were disposed of in accordance with prevailing regulations. Due to the reporting of the NYSDEC RCRA and Spills programs, waste documentation was broken out by the three now-closed spill incidents for Tank No. 6, Tank No. 9, the C5-4 / NAW Area and the remainder of the RCRA remediated areas. Copies of all waste disposal documents are included in **Appendix J**.

8.1 Former Tank No. 6

There were three primary waste streams associated with the removal of Tank No. 6, including the following:

- **Tank Shell:** The cleaned tank shell was disposed of at a metal recycling facility.
- **Soils:** As summarized in **Table 8-1**, 309.42 tons of soils were transported to the Environmental Soil Management of NY facility located at 304 Towpath Road in Fort Edwards, New York.
- **Groundwater:** Groundwater associated with de-watering of the excavation was removed directly from the water table and addressed by the treatment system prior to its discharge to the municipal sewer system.

8.2 Former Tank No. 9

There were five primary waste streams associated with the removal of Tank No. 9, including the following:

- **Soils:** Depending on the waste-characterization analyses and facility capacities, impacted soils were transported to the Environmental Soil Management of NY facility located at 304 Towpath Road in Fort Edwards, New York, or the Middlesex County Landfill facility located at 53 Edgeboro Road, East Brunswick, New Jersey. As summarized in **Table 8-2**, a total of 2,921.71 tons of impacted soils were transported to one of the aforementioned facilities for disposal and / or treatment.

The NYSDEC RCRA representative allowed grab and composite samples of stripped-off overburden associated with the Tank No. 9 excavation to be collected and analyzed in accordance with DER-10 protocols.¹² Based upon the resultant data, the NYSDEC allowed approximately 2,000 cubic yards to

¹² NYSDEC document entitled *DER-10 – Technical Guidance for Site Investigation and Remediation*, dated May 2010.

be utilized as on-site backfill. Soils which failed their DER-10 analyses were transported to one of the aforementioned facilities.

- **Free Product:** Free product / water were either removed directly from the water table or by the treatment system. 1,100 gallons of oil / water were transported to the LORCO Petroleum Services facility located at 450 South Front Street in Elizabeth, New Jersey.
- **Groundwater:** Groundwater associated with de-watering of the excavation was removed directly from the water table and addressed by the treatment system prior to its discharge to the municipal sewer system.
- **Tank Shell:** The cleaned / decontaminated tank shell was transported to the Crown Recycling Facility located in Calverton, New York.

8.3 C5-4 / NAW Areas

There were three primary waste streams associated with the soil remediation activities conducted associated with the C5-4 / North Alleyway AOC, including the following:

- **Soils:** The impacted soils were transported to the Environmental Soil Management of NY facility located at 304 Towpath Road in Fort Edwards, New York. As summarized in **Table 8-3**, a total of 7,096.36 tons of impacted soils were transported to the aforementioned facility for treatment / destruction.

The NYSDEC RCRA representative allowed grab and composite samples of stripped-off overburden associated with this AOC excavation to be collected and analyzed in accordance with DER-10 protocols. Based upon the resultant data, the NYSDEC allowed approximately 2,500 cubic yards to be utilized as on-site backfill. Soils which failed their DER-10 analyses were transported to one of the aforementioned facilities.

- **Groundwater:** Groundwater associated with de-watering of the excavation was removed directly from the water table and addressed by the treatment system prior to its discharge to the municipal sewer system.

8.4 Remainder of Remediated RCRA Areas

There were two primary waste streams associated with the soil remediation activities conducted associated with the remainder of the remediated RCRA areas, including the following:

- **Soils:** Depending on the waste-characterization analyses and facility capacities, impacted soils were transported to the Environmental Soil Management of NY facility located at 304 Towpath Road in Fort Edwards, New York, the Middlesex County Landfill facility located at 53 Edgeboro

Road, East Brunswick, New Jersey or the Bayshore Soil Management, LLC facility located at 75 Crows Mill Road in Keasbey, New. As summarized in **Table 8-4**, a total of 17,351.39 tons of impacted soils were transported to one of the aforementioned facilities for disposal and / or treatment.

- **Groundwater:** Groundwater associated with de-watering of the excavation was removed directly from the water table and addressed by the treatment system prior to its discharge to the municipal sewer system.

8.5 Building Demolition Material

As discussed above, the majority of the on-site building infrastructure was demolished by others just prior to the initiation of the investigation component of RCRA Closure. Waste disposal documentation, primarily associated with asbestos-containing materials (ACM) is included in **Appendix J**. Please note that Apex is not certifying ACM abatement or demolition activities completed by others.

9.0 CLOSURE CERTIFICATION

This section of the CCR presents the certification by the Professional Engineer (PE) responsible for overall project coordination and oversight to ensure that work was completed consistently with approved plan documents, applicable regulations, and good engineering practice.

9.1 Certification of Work Performed

I Daniel J. Smith certify that I am currently a NYS registered professional engineer and that this Closure Certification Report was prepared in accordance with 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 general accordance with the DER-approved work plan and any DER-approved modifications.

Apex staff were involved throughout RCRA Closure activities at the Site from inception through completion of field work following the start of demolition activities by others. All Apex staff worked directly under the supervision of a Professional Engineer licensed in the State of New York to conduct Professional Engineering services. The PE overseeing activities completed site visits to directly oversee work and when not directly on-site received frequent updates of work completed. In addition, engineering staff worked closely with NYSDEC staff throughout closure activities to ensure that work was completed to the satisfaction of NYSDEC. Based upon the foregoing, Apex certifies that work completed was performed in general conformance with Closure Plan approvals (as amended in the field in conjunction with NYSDEC) and good engineering practice to meet the Closure Performance Standards identified in this CCR.

Based on the work performed to date at the former Konica Minolta facility, Apex concludes that Konica Minolta has complied with the technical regulatory obligations under 6 NYCRR Part 373-3.7 and no further action is necessary regarding the closure of former hazardous waste generating and handling operations at the facility except as limited or clarified in **Section 9.2.**

9.2 Exclusions and Limitations

As discussed throughout the CCR, the initial Closure Criteria for soils were NYSDEC Unrestricted / Residential SCOs, which if achieved, would have resulted in no future land use restrictions for the Subject Property. During the conduct of the remediation phase of Closure, it became apparent that the aforementioned soil closure criteria could not be reasonably achieved. Therefore, with NYSDEC concurrence, the use and maintenance of a two-foot-thick layer of clean soil / imported fill in locations not covered by building envelopes,

parking lots and other impermeable surfaces. All discussions regarding future land uses, and any ECs and ICs associated with same, will be provided in a SMP to be provided to the NYSDEC under a separate cover.

In addition, the following exclusions and / or limitations are applicable to this engineering certification:

1. Apex is not certifying demolition work completed by others, including ACM abatement, nor any RCRA work completed prior to Apex's retention by Konica Minolta, including but not limited to past decontamination activities.
2. As noted in the text, closure of certain AOCs will be subject to compliance with certain institutional / engineering controls and implementation of an SMP to be submitted under a separate cover. Unless prepared and submitted by Apex, Apex is not responsible for the provisions of any ICs / ECs developed nor compliance with such provisions. Apex is also not responsible for certifying any future SMP requirements will be met.

TABLES

Table 1-1
Tanks Remaining On-Site To Be Addressed During Closure

Tank / Bulk ID	Located	Status	Capacity	Material/ Content When in Use	Installed if Known	Last Tested If Known	Status as of 2011	Closure Completed	Witnessed By:
TANK SYSTEMS									
1	Belowground	Out of Service	3,000	Oil, Diesel			Abandoned in Place	2001	
2	Belowground	Out of Service	5,000	Gasoline			Abandoned in Place	2001	
3	Belowground	Out of Service	5,000	Gasoline			Abandoned in Place	2001	
6	Belowground	Out of Service	12,000	Oil, Fuel #6			Abandoned in Place	before 2002	
9	Belowground	Out of Service	20,000	Oil, Fuel #6			Abandoned in Place	before 2002	
28	Belowground	Out of Service	3,000	Oil, Misc			Abandoned in Place		
29	Belowground	Out of Service	3,000	Oil, Misc			Abandoned in Place		
30	Belowground	Out of Service	5,000	Toluene			Abandoned in Place		
31	Belowground	Out of Service	5,000	Diethylene Glycol Monoethyl			Abandoned in Place		
32	Belowground	Out of Service	5,000	Glycerine			Abandoned in Place		
50	Aboveground	In Service	4,000	Methanol					
51	Aboveground	In Service	4,000	Methanol					
52	Aboveground	In Service	4,000	Methanol					
106	Aboveground	In Service	500	Oil, Fuel #2					
107	Aboveground	In Service	20,000	Oil, Fuel #6					
108	Aboveground	In Service	15,000	Oil, Fuel #6					
109	Belowground	Out of Service	5,000	Oil, Fuel #6			Abandoned in Place	1997	NCDH

Table 2-1
Closure Performance Guidelines for Soil Samples

PARAMETER	Closure Performance Criteria Target						CP-51 Table 1 ²
TAL Metals (mg/kg)	Unrestricted SCO ¹	Residential SCO ¹	Rest. Resid. SCO ¹	Commercial SCO ¹	Industrial SCO ¹	Prot. of GW SCO ¹	
Aluminum	NA	NA	NA	NA	NA	NA	10,000 (Eco)
Antimony	NA	NA	NA	NA	NA	NA	12 (Eco)
Arsenic	13	16	16	16	16	16	--
Barium	350	350	400	400	10,000	820	--
Beryllium	7.2	14	72	590	2,700	47	--
Cadmium	2.5	2.5	4.3	9.3	60	7.5	--
Calcium	NA	NA	NA	NA	NA	NA	10,000 (Eco)
Total Chromium	30	36	180	1,500	6,800	NS	--
Hexavalent Chromium	1	22	110	400	800	19	--
Cobalt	NA	NA	NA	NA	NA	NA	20 (Eco) / 30 (Res)
Copper	50	270	270	270	10,000	1,720	--
Iron	NA	NA	NA	NA	NA	NA	2,000 (Res)
Lead	63	400	400	1,000	3,900	450	--
Magnesium	NA	NA	NA	NA	NA	NA	NA
Manganese	1,600	2,000	2,000	10,000	10,000	2,000	--
Nickel	30	140	310	310	10,000	130	--
Potassium	NA	NA	NA	NA	NA	NA	NA
Selenium	3.9	36	180	1,500	6,800	4	--
Silver	2.0	36	180	1,500	6,800	8.3	--
Sodium	NA	NA	NA	NA	NA	NA	NA
Thallium	NA	NA	NA	NA	NA	NA	5 (Eco)
Vanadium	NA	NA	NA	NA	NA	NA	39 (Eco) / 100 (Res)
Zinc	109	2,200	10,000	10,000	10,000	2,480	--
Mercury	0.18	0.81	0.81	2.8	5.7	0.73	--
TCL VOCs (mg/kg)							
Chloromethane	NA	NA	NA	NA	NA	NA	NA
Bromomethane	NA	NA	NA	NA	NA	NA	NA
Vinyl chloride	0.02	0.21	19	13.00	27	0.02	--
Chloroethane	NA	NA	NA	NA	NA	NA	NA
Methylene Chloride	0.05	51	100	500	1,000	0.05	--
Acetone	0.05	100	100	500	1,000	0.05	--
Xylenes, Total	0.26	100	100	500	1,000	1.6	--
Carbon disulfide	NA	NA	NA	NA	NA	NA	2.7 (GW) / 100 (Res)
Trichlorofluoromethane	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethene	0.33	100	100	500	1,000	0.33	--
1,1-Dichloroethane	0.27	19	26	240	480	0.27	--
trans-1,2-Dichloroethene	0.19	100	100	500	1,000	0.19	--
cis-1,2-Dichloroethene	0.25	59	100	500	1,000	0.25	--
Chloroform	0.37	10	49	350	700	0.37	--
2-Butanone (MEK)	0.12	100	100	500	1,000	0.12	--
1,2-Dichloroethane	0.02	2.3	3.1	30	60	0.02	--
1,1,1-Trichloroethane	0.68	100	100	500	1,000	0.68	--
Carbon tetrachloride	0.76	1.4	2.4	22	44	0.76	--
Benzene	0.06	2.9	4.8	44	89	0.06	--
Bromoform	NA	NA	NA	NA	NA	NA	NA
Styrene	NA	NA	NA	NA	NA	NA	300 (Eco)
m&p-Xylene	0.26	100	100	500	1,000	1.6	--
o-Xylene	0.26	100	100	500	1,000	1.6	--
Ethylbenzene	1	30	41	390	780	1	--
Chlorobenzene	1.1	100	100	500	1,000	1.1	--
Cyclohexane	NA	NA	NA	NA	NA	NA	NA
Isopropylbenzene	NA	NA	NA	NA	NA	NA	100 (Res) / 2.3 (GW)
2-Hexanone	NA	NA	NA	NA	NA	NA	NA
MTBE	0.93	62	100	500	1,000	0.93	--
Freon TF	NA	NA	NA	NA	NA	NA	100 (Res) / 6 (GW)
Methyl acetate	NA	NA	NA	NA	NA	NA	NA
1,4-Dioxane	0.1	9.8	13	130	250	0.1	--
Trichloroethene	1.3	10	NA	200	400	0.47	--
Toluene	0.7	100	100	500	1,000	0.7	--
trans-1,3-Dichloropropene	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-pentanone	NA	NA	NA	NA	NA	NA	NA
cis-1,3-Dichloropropene	NA	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	1.1	100	100	500	1,000	1.1	--
1,3-Dichlorobenzene	2.4	17	49	280	560	2.4	--
1,4-Dichlorobenzene	1.8	9.8	13	130	250	1.8	--
1,2,4-Trichlorobenzene	NA	NA	NA	NA	NA	NA	20 (Eco) / 3.4 (GW)
1,2,3-Trichlorobenzene	NA	NA	NA	NA	NA	NA	20 (Eco)
1,2-Dichloropropane	NA	NA	NA	NA	NA	NA	700 (Eco)
Methylocyclohexane	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	0.47	5.5	19	150	300	1.3	--
1,2-Dibromo-3-Chloropropane	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-Tetrachloroethane	NA	NA	NA	NA	NA	NA	35 (Res) / 0.6 (GW)
1,1,2-Trichloroethane	NA	NA	NA	NA	NA	NA	NA
Dibromochloromethane	NA	NA	NA	NA	NA	NA	10 (Eco)
1,2-Dibromoethane	NA	NA	NA	NA	NA	NA	NA
Dichlorodifluoromethane	NA	NA	NA	NA	NA	NA	NA
Bromochloromethane	NA	NA	NA	NA	NA	NA	NA
Bromodichloromethane	NA	NA	NA	NA	NA	NA	NA
Naphthalene	NA	NA	NA	NA	NA	NA	NA
TCL SVOCs (mg/kg)							
Phenol	0.33	100	100	500	1,000	0.33	--
2-Chlorophenol	NA	NA	NA	NA	NA	NA	100 (Res) / 0.8 (Eco)
2-Methylphenol	NA	NA	NA	NA	NA	NA	NA
4-Methylphenol	NA	NA	NA	NA	NA	NA	NA
Benzaldehyde	NA	NA	NA	NA	NA	NA	NA
Acetophenone	NA	NA	NA	NA	NA	NA	NA
Bis(2-chloroethyl)ether	NA	NA	NA	NA	NA	NA	NA
2,2'-oxybis[1-chloropropane]	NA	NA	NA	NA	NA	NA	NA
N-Nitrosodi-n-propylamine	NA	NA	NA	NA	NA	NA	NA
Nitrobenzene	NA	NA	NA	NA	NA	NA	3.7 (Res) / 140 (Ind) / 40 (Eco) / 0.17 (GW)
Hexachloroethane	NA	NA	NA	NA	NA	NA	NA
Isophorone	NA	NA	NA	NA	NA	NA	100 (Res) / 4.4 (GW)
2-Nitrophenol	NA	NA	NA	NA	NA	NA	7 (Eco) / 0.3 (GW)
2,4-Dimethylphenol	NA	NA	NA	NA	NA	NA	NA
2,4-Dichlorophenol	NA	NA	NA	NA	NA	NA	100 (Res) / 20 (Eco) / 0.40 (GW)
Bis(2-chloroethoxy)methane	NA	NA	NA	NA	NA	NA	NA
Naphthalene	12	100	100	500	1,000	12	--
4-Chloroaniline	NA	NA	NA	NA	NA	NA	NA
Hexachlorobutadiene	NA	NA	NA	NA	NA	NA	NA
Caprolactam	NA	NA	NA	NA	NA	NA	NA
4-Chloro-3-methylphenol	NA	NA	NA	NA	NA	NA	NA
2-Methylnaphthalene	NA	NA	NA	NA	NA	NA	NA
Hexachlorobenzene	0.33	0.33	1.2	6	12	3.2	NA
Hexachlorocyclopentadiene	NA	NA	NA	NA	NA	NA	10 (Eco)
2,4,6-Trichlorophenol	NA	NA	NA	NA	NA	NA	NA
2,4,5-Trichlorophenol	NA	NA	NA	NA	NA	NA	NA
Diphenyl	NA	NA	NA	NA	NA	NA	NA
2-Chloronaphthalene	NA	NA	NA	NA	NA	NA	NA
2-Nitroaniline	NA	NA	NA	NA	NA	NA	NA
2,6-Dinitrotoluene	NA	NA	NA	NA	NA	NA	1.03 (Res) / 0.17 (Eco)
Dimethyl phthalate	NA	NA	NA	NA	NA	NA	NA
Acenaphthylene	100	100	100	500	1,000	107	--
3-Nitroaniline	NA	NA	NA	NA	NA	NA	NA
Acenaphthene	20	100	100	500	1,000	98	--
4-Nitrophenol	NA	NA	NA	NA	NA	NA	NA
2,4-Dinitrophenol	NA	NA	NA	NA	NA	NA	NA
Dibenzofuran	NA	NA	NA	NA	NA	NA	NA
Diethyl phthalate	NA	NA	NA	NA	NA	NA	NA
Fluorene	30	100	100	500	1,000	386	--
Fluoranthene	100	100	100	500	1,000	1,000	--
Di-n-butyl phthalate	NA	NA	NA	NA	NA	NA	NA
2,4-Dinitrotoluene	NA	NA	NA	NA	NA	NA	NA
4-Chlorophenyl phenyl ether	NA	NA	NA	NA	NA	NA	NA
4-Nitroaniline	NA	NA	NA	NA	NA	NA	NA
4,6-Dinitro-2-methylphenol	NA	NA	NA	NA	NA	NA	NA
4-Bromophenyl phenyl ether	NA	NA	NA	NA	NA	NA	NA
Atrazine	NA	NA	NA	NA	NA	NA	NA
Anthracene	100	100	100	500	1,000	1,000	--
Carbazole	NA	NA	NA	NA	NA	NA	NA
Phenanthrene	100	100	100	500	1,000	1,000	--
Pentachlorophenol	0.8	2.4	6.7	6.7	55	0.8	--
Pyrene	100	100	100	500	1,000	1,000	--
Chrysene	1	1	3.9	56	110	1	--
Benzo[k]fluoranthene	0.8	1	3.9	56	110	1.7	--
Benzo[g,h,i]perylene	100	100	100	500	1,000	1,000	--
Benzo[b]fluoranthene	1	1	1	5.6	11	1.7	--
Benzo[a]pyrene	1	1	1	1	1.1	22	--
Benzo[a]anthracene	1	1	1	5.6	11	1	--
N-Nitrosodiphenylamine	NA	NA	NA	NA	NA	NA	20 (Eco)
Butyl benzyl phthalate	NA	NA	NA	NA	NA	NA	NA
Bis(2-ethylhexyl) phthalate	NA	NA	NA	NA	NA	NA	NA
Di-n-octyl phthalate	NA	NA	NA	NA	NA	NA	NA
Indeno[1,2,3-cd]pyrene	0.5	0.5	0.5	5.6	11	8.2	--
Dibenz(a,h)anthracene	0.33	0.33	0.33	0.56	1.1	1,000	--
3,3'-Dichlorobenzidine	NA	NA	NA	NA	NA	NA	NA
1,2,4,5-Tetrachlorobenzene	NA	NA	NA	NA	NA	NA	NA
2,3,4,6-Tetrachlorophenol	NA	NA	NA	NA	NA	NA	NA
1,4-Dioxane	NA	NA	NA	130	250	0.1	NA
Pyridine	NA	NA	NA	NA	NA	NA	NA
TCL PCBs (mg/kg)							
Aroclor 1016	0.1	1	1	1	25	3.2	--
Aroclor 1221	0.1	1	1	1	25	3.2	--
Aroclor 1232	0.1	1	1	1	25	3.2	--
Aroclor 1242	0.1	1	1	1	25	3.2	--
Aroclor 1248	0.1	1	1	1	25	3.2	--
Aroclor 1254	0.1	1	1	1	25	3.2	--
Aroclor 1260	0.1	1	1	1	25	3.2	--
Aroclor 1262	0.1	1	1	1	25	3.2	--
Aroclor 1268	0.1	1	1	1	25	3.2	--

Notes:

¹ From NYSDEC Part 375-6.8(a).

² From NYSDEC CP-51 / Soil Cleanup Guidance, October 21, 2010.

NA - No value available.

-- - Not applicable as Part 375 SCO is available.

Table 2-2
Closure Guidelines for Rinsate and Groundwater Samples

PARAMETER TAL Metals (ug/l)	Class GA Effluent Standard or Guidance Value ¹	Class GA Drinking Water Standard or Guidance Value ¹
Aluminum	2,000	NA
Antimony	6	3
Arsenic	50	25
Barium	2,000	1,000
Beryllium	3	3*
Cadmium	10	5
Calcium	NA	NA
Chromium	100	50
Cobalt	NA	NA
Copper	1,000	200
Iron	600	300
Lead	50	25
Magnesium	35,000	35,000*
Manganese	600	300
Nickel	200	100
Potassium	NA	NA
Selenium	20	10
Silver	100	50
Sodium	20,000	20,000
Thallium	0.5	0.5*
Vanadium	NA	NA
Zinc	5,000	2,000*
Mercury	1.4	0.7
TCL VOCs (ug/l)		
Dichlorodifluoromethane	5	5
Chloromethane	NA	NA
Bromomethane	5	5
Vinyl chloride	2	2
Chloroethane	5	5
Trichlorofluoromethane	5	5
Freon TF	NA	NA
Methylene Chloride	5	5
Acetone	50	50*
Carbon disulfide	NA	NA
Methyl acetate	NA	NA
1,1-Dichloroethene	5	5
1,1-Dichloroethane	5	5
cis-1,2-Dichloroethene	5	5
trans-1,2-Dichloroethene	5	5
MTBE	NA	NA
Chloroform	7	7
1,2-Dichloroethane	0.6	0.6
2-Butanone (MEK)	50	50*
1,1,1-Trichloroethane	5	5
Cyclohexane	NA	NA
Carbon tetrachloride	5	5
Bromodichloromethane	50	50*
1,2-Dichloropropane	1	1
cis-1,3-Dichloropropene	0.4	0.4
Trichloroethene	5	5
Methylcyclohexane	NA	NA
Dibromochloromethane	50	50
1,1,2-Trichloroethane	1	1
Benzene	1	1
trans-1,3-Dichloropropene	0.4	0.4
Bromoform	50	50*
Isopropylbenzene	5	5
4-Methyl-2-pentanone	NA	NA
2-Hexanone	50	50*
Tetrachloroethene	5	5
Toluene	5	5
1,1,2,2-Tetrachloroethane	5	5
Chlorobenzene	5	5
Ethylbenzene	5	5
m&p-Xylene	5	5
o-Xylene	5	5
Xylenes, Total	5	5
Styrene	930	5
1,2-Dibromo-3-Chloropropane	0.04	0.04
1,3-Dichlorobenzene	3	3
1,4-Dichlorobenzene	3	3
1,2-Dichlorobenzene	3	3
1,2,4-Trichlorobenzene	5	5
1,2-Dibromoethane	NA	NA
1,4-Dioxane	5	NA
1,2,3-Trichlorobenzene	NA	5
Bromochloromethane	5	5
Naphthalene	10	10*
TCL SVOCs (ug/l)		
Phenol	2	1
2-Chlorophenol	NA	NA
2-Methylphenol	NA	NA
4-Methylphenol	NA	NA
2-Nitrophenol	NA	NA
2,4-Dimethylphenol	2	50*
2,4-Dichlorophenol	2	1
4-Chloro-3-methylphenol	NA	NA
2,4,6-Trichlorophenol	NA	NA
2,4,5-Trichlorophenol	NA	NA
2,4-Dinitrophenol	2	10*
4-Nitrophenol	NA	NA
4,6-Dinitro-2-methylphenol	NA	NA
Pentachlorophenol	2	1
Bis(2-chloroethyl)ether	1.0	1.0
1,3-Dichlorobenzene	3	3
1,4-Dichlorobenzene	3	3
1,2-Dichlorobenzene	3	3
N-Nitrosodi-n-propylamine	NA	NA
Hexachloroethane	5	5
Nitrobenzene	0.4	0.4
Isophorone	50	50*
Bis(2-chloroethoxy)methane	5	5
1,2,4-Trichlorobenzene	5	5
Naphthalene	10	10*
Hexachlorobutadiene	0.5	0.5
2-Methylnaphthalene	NA	NA
Hexachlorocyclopentadiene	5	5
2-Chloronaphthalene	10	10*
2-Nitroaniline	5	5
Dimethyl phthalate	50	50*
Acenaphthylene	20	20*
2,6-Dinitrotoluene	5	5
3-Nitroaniline	5	5
Acenaphthene	20	20*
Dibenzofuran	NA	NA
2,4-Dinitrotoluene	5	5
Diethyl phthalate	50	50*
4-Chlorophenyl phenyl ether	NA	NA
Fluorene	50	50*
4-Nitroaniline	5	5
N-Nitrosodiphenylamine	50	50*
4-Bromophenyl phenyl ether	NA	NA
Hexachlorobenzene	0.04	0.04
Phenanthrene	50	50*
Anthracene	50	50*
Carbazole	NA	NA
Di-n-butyl phthalate	50	50
Fluoranthene	50	50*
Pyrene	50	50*
Butyl benzyl phthalate	50	50*
3,3'-Dichlorobenzidine	5	5
Benzo[a]anthracene	0.002	0.002*
Chrysene	0.002	0.002*
Bis(2-ethylhexyl) phthalate	5	5
Di-n-octyl phthalate	50	50
Benzo[b]fluoranthene	0.002	0.002*
Benzo[k]fluoranthene	0.002	0.002*
Benzo[a]pyrene	ND	ND
Indeno[1,2,3-cd]pyrene	0.002	0.002*
Dibenz[a,h]anthracene	NA	NA
Benzo[g,h,i]perylene	NA	NA
bis (2-chloroisopropyl) ether	NA	NA
1,2,4,5-Tetrachlorobenzene	5	5
2,3,4,6-Tetrachlorophenol	NA	NA
Pyridine	50	50*
Carbonyl Compounds (ug/l)		
Formaldehyde	8	8*

Notes:

¹ From NYSDEC Class GA Groundwater Standards and Guidance Values set forth in the NYSDEC Division of Water Technical and Operational Guidance Series 1.1.1 Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations - Reissued June 1998 as amended in

* Represents a Class GA Drinking Water Guidance Value.

Table 3-1
Summary of Identified AOCs

Sample		Analyte				Remediation Req.	Remediation Required AOC ID	Notes
Main Area	AOC	Sample Identification	VOCs ⁵	SVOCs ⁶	Metals ⁷	TPH DRO		
Former Main Building	Former Main Basement Area	MB-1	1	1	1	--	N	--
		MB-2	1	--	1	--	Y	MB-2/3/9/10/12/13/14/15/16/17 / CC-2/3/4/5
		MB-3	1	1	1	--	Y	MB-2/3/9/10/12/13/14/15/16/17 / CC-2/3/4/5
		MB-4	1	--	1	--	Y	MB-2/3/9/10/12/13/14/15/16/17 / CC-2/3/4/5
		MB-5	1	1	1	--	N	--
		MB-6	1	--	1	--	N	--
		MB-7	1	--	1	--	Y	MB-2/3/9/10/12/13/14/15/16/17 / CC-2/3/4/5
		MB-8	1	--	1	--	N	--
		MB-9	1	1	1	--	Y	MB-2/3/9/10/12/13/14/15/16/17 / CC-2/3/4/5
		MB-10	1	--	1	--	Y	MB-2/3/9/10/12/13/14/15/16/17 / CC-2/3/4/5
		MB-11	1	1	1	--	N	--
		MB-12	1	--	1	--	Y	MB-2/3/9/10/12/13/14/15/16/17 / CC-2/3/4/5
		MB-13	1	--	1	--	Y	MB-2/3/9/10/12/13/14/15/16/17 / CC-2/3/4/5
		MB-14	1	--	1	--	Y	MB-2/3/9/10/12/13/14/15/16/17 / CC-2/3/4/5
		MB-15	1	1	1	--	Y	MB-2/3/9/10/12/13/14/15/16/17 / CC-2/3/4/5
		MB-16	1	--	1	--	Y	MB-2/3/9/10/12/13/14/15/16/17 / CC-2/3/4/5
		MB-17	1	--	1	--	Y	MB-2/3/9/10/12/13/14/15/16/17 / CC-2/3/4/5
		MB-18 (s, i, d)	3	--	3	--	N	--
		MB-19	1	1	1	--	Y	MB-22 / SAMPLE AREA4A / BLDG-1-RCRA-4-SB-4
		MB-20	1	--	1	--	N	--
		MB-21	1	--	1	--	Y	MB-22 / SAMPLE AREA4A / BLDG-1-RCRA-4-SB-4
		MB-22	1	--	1	--	Y	MB-22 / SAMPLE AREA4A / BLDG-1-RCRA-4-SB-4
		MB-23 (s, i, d)	3	3	3	--	N	--
		MB-24	1	--	1	--	Y	MB-22 / SAMPLE AREA4A / BLDG-1-RCRA-4-SB-4
		MB-25	1	--	1	--	N	--
		MB-26 (s, i, d)	3	--	3	--	Y	MB-26/27
		MB-27	1	--	1	--	Y	MB-26/27
		MB-28	1	--	1	--	N	--
		MB-29	1	--	1	--	N	--
		MB-30	1	--	1	--	N	--
		MB-31	1	--	1	--	Y	MB-31
		Sample Area 4 A (s, i, d)	--	--	3	--	Y	MB-22 / SAMPLE AREA4A / BLDG-1-RCRA-4-SB-4
		Bldg.-1-RCRA-4-SB-4 (s, i)	--	--	2	--	Y	MB-22 / SAMPLE AREA4A / BLDG-1-RCRA-4-SB-4
		Sub-Totals:	37	10	42	--		Only shallow and intermediate sample collected due to shallow groundwater.
	Former Boiler Room	BR-1	--	--	--	--	N/A	--
		BR-2	--	--	--	--	N/A	--
		BR-3	--	--	--	--	N/A	--
		BR-4	--	--	--	--	N/A	--
		BR-5	--	--	--	--	N/A	--
		BR-6	--	--	--	--	N/A	--
		BR-7 (s, i, d)	--	--	--	--	N/A	--
		Sub-Totals:	--	--	--	--		Potential endpoint sample within former Tank 9 excavation. Samples collected as endpoint samples for Tank 9 closure.
	Former Emulsion Room	ER-1	1	1	1	--	N	--
		ER-2	1	1	1	--	N	--
		ER-3	1	1	1	--	Y	ER-3
		ER-4	1	1	1	--	N	--
		ER-5 (s, i, d)	3	3	3	--	N	--
		ER-6	1	1	1	--	N	--
		ER-7 (s, i, d)	3	3	3	--	N	--
		ER-8	1	1	1	--	N	--
		ER-9	1	1	1	--	Y	Former Tank 9 / ER-9
		ER-10	1	1	1	--	N	--
		ER-11	1	1	1	--	N	--
		ER-12 (s, i, d)	3	3	3	--	N	--
		ER-13 (s, i, d)	3	3	3	--	Y	Former Tank 9 / ER-13
		ER-14 (s, i, d)	3	3	3	--	N	--
		Sub-Totals:	24	24	24	--		Removed with overburden of Former Tank 9.
	Former Main Building First Floor	MF-1	1	1	--	--	N	--
		MF-2 (s, i, d)	1	1	--	--	N	--
		MF-3	1	1	--	--	N	--
		MF-4 (s, i, d)	3	3	--	--	N/A	--
		MF-5	1	1	--	--	N	--
		MF-6 (s, i, d)	3	3	--	--	N	--
		MF-7	1	1	--	--	N	--
		MF-8	1	1	--	--	N	--
		MF-9 (s, i, d)	1	1	--	--	N	--
		Sub-Totals:	13	13	--	--		Only shallow sample collected due to shallow groundwater.
	Former Central Corridor Area	CC-1 (s, i, d)	3	3	3	--	N	--
		CC-2 (s, i, d)	3	--	3	--	Y	MB-2/3/9/10/12/13/14/15/16/17 / CC-2/3/4/5
		CC-3	1	--	1	--	Y	MB-2/3/9/10/12/13/14/15/16/17 / CC-2/3/4/5
		CC-4	1	--	1	--	Y	MB-2/3/9/10/12/13/14/15/16/17 / CC-2/3/4/5
		CC-5 (s, i, d)	3	3	3	--	Y	MB-2/3/9/10/12/13/14/15/16/17 / CC-2/3/4/5
		Sub-Totals:	11	6	11	--		
	Former Inspection and Practica Area	PA-1	1	1	--	--	N	--
		PA-2 (s, i, d)	1	1	--	--	N	--
		PA-3 (s, i, d)	1	1	--	--	N	--
		PA-4	1	1	--	--	N	--
		PA-5	1	1	--	--	N	--
		PA-6	1	1	--	--	N	--
		PA-7	1	1	--	--	N	--
		PA-8 (s, i, d)	3	3	3	--	N	--
		PA-9	1	1	--	--	N	--
		PA-10	1	1	--	--	N	--
		PA-11	1	1	--	--	N	--
		Sub-Totals:	13	13	3	--		
	Former Mechanical Drying and Loading Dock Areas	MD-1	1	1	1	--	N	--
		MD-2 (s, i, d)	1	1	1	--	N	--
		MD-3	1	1	1	--	N/A	--
		MD-4	1	1	--	--	N	--
		MD-5 (s, i, d)	1	1	--	--	N	--
		MD-6	1	1	1	--	N	--
		MD-7	1	1	--	--	N	--
		MD-8 (s, i, d)	1	1	1	--	N	--
		MD-9	1	1	--	--	N	--

Table 3-1
Summary of Identified AOCs

Sample		Analyte				Remediation Req.		Remediation Required AOC ID	Notes
Main Area	AOC	Sample Identification	VOCs ⁵	SVOCs ⁶	Metals ⁷	TPH DRO	Y / N		
		MD-10	1	1	1	--	N/A	--	Not collected due to location within pit/excessive depth of concrete.
		MD-11 (s, i, d)	1	1	1	--	N	--	Only shallow sample collected due to shallow groundwater.
		MD-12	1	1	1	--	N	--	
		Sub-Totals:	12	12	8	--			
	Former Office, Cafeteria and Dark Room Areas	Not Applicable	--	--	--	--	N	--	
Former South Lot Area	Former Oil Room	FO-1	1	1	1	--	N	--	
		FO-2	1	1	1	--	N	--	
		FO-3 (s, i, d)	3	3	3	--	N	--	
		FO-4	1	1	1	--	Y	FO-4	
		FO-5	1	1	1	--	N	--	
		FO-6 (s, i, d)	2	2	2	--	N	--	Only shallow and intermediate sample collected due to shallow groundwater.
		FO-7	2	2	2	--	Y	FO-7	Additional sample depth (1) collected per NYSDEC request.
		Sub-Totals:	11	11	11	--			
	Former Misc. South Lot Areas and WWTP	SL-1 (s, i, d)	3	3	3	--	Y	SL-1 / UNKUST-2	
		SL-2 (s, i, d)	3	3	3	--	Y	SL-2	
		SL-3 (s, i, d)	3	3	3	--	Y	SL-3/39/40	
		SL-4 (s, i, d)	2	2	2	--	Y	SL-4/5/6	Only shallow and intermediate sample collected due to shallow groundwater.
		SL-5 (s, i, d)	2	2	2	--	Y	SL-4/5/6	Only shallow and intermediate sample collected due to shallow groundwater.
		SL-6 (s, i, d)	3	3	3	--	Y	SL-4/5/6	
		SL-7 (s, i, d)	3	3	3	--	Y	SL-7/8/9/10 / CM-32	
		SL-8 (s, i, d)	3	3	3	--	Y	SL-7/8/9/10 / CM-32	
		SL-9 (s, i, d)	1	1	1	--	Y	SL-7/8/9/10 / CM-32	Only shallow sample collected due to shallow groundwater.
		SL-10 (s, i, d)	3	3	3	--	Y	SL-7/8/9/10 / CM-32	
		SL-10A (s,i,d)	3	3	3	--	N	--	
		SL-11 (s, i, d)	2	2	2	--	Y	SL-12	
		SL-12 (s, i, d)	3	3	3	--	Y	SL-12	
		SL-20 (s, i, d)	3	3	3	--	Y	SL-20/21/22 / CM-28/29 / TANKERCONT-SB-2 / BLDG-4-RCRA1-SB-1/5/6	
		SL-21 (s, i, d)	3	3	3	--	Y	SL-20/21/22 / CM-28/29 / TANKERCONT-SB-2 / BLDG-4-RCRA1-SB-1/5/6	
		SL-22 (s, i, d)	3	3	3	--	Y	SL-20/21/22 / CM-28/29 / TANKERCONT-SB-2 / BLDG-4-RCRA1-SB-1/5/6	
		SL-23 (s, i, d)	3	3	3	--	Y	SL-23	
		SL-24 (s, i, d)	3	3	3	--	N	--	
		Bldg.-1-RCRA2-4-SB-4 (i, d)	--	--	2	--	Y	SL-3/39/40	
		SL-33 (s, i, d)	1	--	1	--	Y	SL-33/34 / RD-4/6/7	Only shallow sample collected due to shallow groundwater.
		SL-34 (s, i, d)	1	--	1	--	Y	SL-33/34 / RD-4/6/7	Only shallow sample collected due to shallow groundwater.
		SL-35 (s, i, d)	1	--	1	--	Y	SL-33/34 / RD-4/6/7	Only shallow sample collected due to shallow groundwater.
		SL-36 (s, i, d)	2	--	2	--	Y	SL-33/34 / RD-4/6/7	Only shallow and intermediate sample collected due to shallow groundwater.
		SL-37 (s, i, d)	1	--	1	--	Y	SL-33/34 / RD-4/6/7	Only shallow sample collected due to shallow groundwater.
		SL-38 (s, i, d)	2	--	2	--	Y	SL-33/34 / RD-4/6/7	Only shallow and intermediate sample collected due to shallow groundwater.
		SL-39 (s, i, d)	1	--	1	--	Y	SL-3/39/40	Only shallow sample collected due to shallow groundwater.
		SL-40 (s, i, d)	2	--	2	--	Y	SL-3/39/40	Only shallow and intermediate sample collected due to shallow groundwater.
		SL-41 (s, i, d)	1	--	1	--	Y	SL-3/39/40	Only shallow sample collected due to shallow groundwater.
		SL-42 (s, i, d)	2	--	2	--	Y	SL-3/39/40	Only shallow and intermediate sample collected due to shallow groundwater.
		SL-43 (s, i, d)	1	--	1	--	Y	SL-3/39/40	Only shallow sample collected due to shallow groundwater.
		SL-44 (s, i, d)	1	--	2	--	Y	SL-3/39/40	Only shallow sample collected due to shallow groundwater.
		Sub-Totals:	65	49	68	--			
	Former Quonset Hut Area	SL-25	1	1	1	--	N	--	
		SL-26	1	--	1	--	N	--	
		SL-27 (s, i, d)	3	3	3	--	N	--	
		SL-28	1	--	1	--	N	--	
		SL-29	1	--	1	--	N	--	
		SL-30	1	1	1	--	N	--	
		SL-31 (s, i, d)	3	3	3	--	Y	SL-31	
		SL-32	1	--	1	--	N	--	
		Sub-Totals:	12	8	12	--			
	Former R&D Building Area	RD-1	1	--	1	--	N	--	
		RD-2	1	1	1	--	N	--	
		RD-3 (s, i, d)	3	--	3	--	Y	RD-3	
		RD-4	1	--	1	--	Y	SL-33/34 / RD-4/6/7	
		RD-5	1	--	1	--	Y	SL-33/34 / RD-4/6/7	
		RD-6 (s, i, d)	3	3	3	--	Y	SL-33/34 / RD-4/6/7	
		RD-7	3	--	3	--	Y	SL-33/34 / RD-4/6/7	Additional sample depths (2) collected per NYSDEC request.
		RD-8	1	--	1	--	N	--	
		RD-9	1	--	1	--	N	--	
		RD-10 (s, i, d)	3	3	3	--	Y	RD-10/11/12/13/20	
		RD-11	2	--	2	--	Y	RD-10/11/12/13/20	Additional sample depth (1) collected per NYSDEC request.
		RD-12	1	--	1	--	Y	RD-10/11/12/13/20	
		RD-13	1	--	1	--	Y	RD-10/11/12/13/20	
		RD-14	1	1	1	--	Y	RD-10/11/12/13/20	
		RD-15	1	--	1	--	N	--	
		RD-16 (s, i, d)	3	--	3	--	N	--	
		RD-17	1	--	1	--	Y	RD-17	
		RD-18	1	--	1	--	Y	RD-10/11/12/13/20	
		RD-19	1	1	1	--	Y	RD-10/11/12/13/20	
		RD-20 (s, i, d)	3	--	3	--	Y	RD-10/11/12/13/20	
		Bldg. 2-RCRA3-SB-4 (24-39") (i, d)	2	--	2	--	N	--	
		Sub-Totals:	35	9	35	--			
		CM-1	1	--	--	--	N	--	
		CM-2	1	--	--	--	N	--	
		CM-3 (s, i, d)	3	--	--	--	N	--	
		CM-4	1	--	--	--	N	--	
		CM-5	1	--	1	--	N	--	Added metals analysis per NYSDEC request.
		CM-6	1	--	--	--	N	--	
		CM-7	1	--	1	--	Y	CM-7/8/BLDG-4-SB-1	
		CM-8	3	3	3	--	Y	CM-7/8/BLDG-4-SB-1	Additional sample depths (2) collected per NYSDEC request.
		CM-9	1	--	--	--	N	--	
		CM-10	1	--	--	--	N	--	
		CM-11 (s, i, d)	3	--	--	--	N	--	
		CM-12 (s, i, d)	3	--	--	--	N	--	
		CM-13	1	--	--	--	N	--	
		CM-14	1	--	--	--	N	--	
		CM-15	1	--	--	--	N	--	

Table 3-1
Summary of Identified AOCs

Sample		Analyte				Remediation Req.	Remediation Required AOC ID	Notes
Main Area	AOC	Sample Identification	VOCs ⁵	SVOCs ⁶	Metals ⁷	TPH DRO		
Columbia Building	Former Chemical Mixing Building Area	CM-16 (s, i, d)	3	--	--	--	N	--
		CM-17	1	--	--	--	N	--
		CM-18	1	--	--	--	N	--
		CM-19	1	--	--	--	N	--
		CM-20	1	--	--	--	N	--
		CM-21 (s, i, d)	3	--	--	--	Y	CM-21
		CM-22	1	--	--	--	N	--
		CM-23	1	--	--	--	N	--
		CM-24	1	--	--	--	N	--
		CM-25 (s, i, d)	3	--	--	--	N	--
		CM-26	1	--	--	--	N	--
		CM-27	1	1	1	--	N	--
		CM-28	1	1	1	--	Y	SL-20/21/22 / CM-28/29 / TANKERCONT-SB-2 / BLDG-4-RCRA1-SB-1/5/6
		CM-29	2	2	2	--	Y	SL-20/21/22 / CM-28/29 / TANKERCONT-SB-2 / BLDG-4-RCRA1-SB-1/5/6
		CM-30	1	1	1	--	N	--
		CM-31	1	1	1	--	Y	SL-20/21/22 / CM-28/29 / TANKERCONT-SB-2 / BLDG-4-RCRA1-SB-1/5/6
		CM-32 (s, i, d)	3	3	3	--	Y	SL-7/8/9/10 / CM-32
		CM-33 (s, i, d)	3	3	3	--	Y	CM-33
		CM-34 (s, i, d)	--	--	3	--	Y	CM-34/35/ BLDG-4-SB-6
		CM-35 (s, i, d)	--	--	3	--	Y	CM-34/35/ BLDG-4-SB-6
		Bldg. 4-SB-6 (7-20") (i, d)	--	--	2	--	Y	CM-34/35/ BLDG-4-SB-6
		CM-36	1	1	1	--	Y	SL-20/21/22 / CM-28/29 / TANKERCONT-SB-2 / BLDG-4-RCRA1-SB-1/5/6
		Sub-Totals:	53	16	26	--		Only shallow sample collected due to shallow groundwater. This was an additional sample in pit per NYSDEC request.
Columbia Building	Former Building C-1 Area	C1-1	1	1	1	--	N	--
		C1-2	1	1	1	--	N	--
		C1-3 (s, i, d)	3	3	3	--	N	--
		C1-4	1	1	1	--	Y	C1-4
		C1-5	1	1	1	--	N	--
		C1-6	1	1	1	--	N	--
		C1-7	1	1	1	--	N	--
		C1-8 (s, i, d)	3	3	3	--	N	--
		C1-9	1	1	1	--	N	--
		C1-10	1	1	1	--	N	--
		C1-11	1	1	1	--	N	--
		C1-12 (s, i, d)	3	3	3	--	N	--
		C1-13 (s, i, d)	3	3	3	--	N	--
		C1-14	1	1	1	--	N	--
		C1-15	1	1	1	--	N	--
		C1-16	1	1	1	--	N	--
		C1-17	1	1	1	--	N	--
		C1-18	1	1	1	--	N	--
		C1-19 (s, i, d)	3	3	3	--	N	--
		C1-19A (s, i, d)	3	3	3	--	N	Sample location additional per NYSDEC request. Not in original Closure Plan.
	C1a Area & South Alleyway	C1-20	1	1	--	--	N	--
		C1-21 (s, i, d)	3	3	--	--	Y	C1a Area
		C1-22 (s, i, d)	3	3	3	--	Y	C1a Area
		C1-23 (s, i, d)	3	3	--	--	Y	C1a Area
		C1-24 (s, i, d)	3	3	--	--	Y	C1a Area
		C1-25 (s, i, d)	3	3	--	--	Y	C1a Area
		C1-26 (s, i, d)	3	3	3	--	Y	South Alleyway Area
		C1-27 (s, i, d)	3	3	3	--	Y	South Alleyway Area
		C1-28 (s, i, d)	3	3	3	--	Y	South Alleyway Area
		C1-29 (s, i, d)	3	3	3	--	Y	South Alleyway Area
		Sub-Totals:	60	60	47	--		Metals analyses required for all 3 sample depths per NYSDEC request.
	Former Wedge Building	W-1	1	1	1	--	Y	Former Wedge Building
		W-2	1	1	1	--	Y	Former Wedge Building
		W-3	1	1	1	--	Y	Former Wedge Building
		W-4	1	1	1	--	Y	Former Wedge Building
		W-5	1	1	1	--	Y	Former Wedge Building
		W-6	1	1	1	--	Y	Former Wedge Building
		W-7	1	1	1	--	Y	Former Wedge Building
		W-8	1	1	1	--	Y	Former Wedge Building
		W-9	1	1	1	--	Y	Former Wedge Building
		W-10	1	1	1	--	Y	Former Wedge Building
		W-11	1	1	1	--	Y	Former Wedge Building
		W-12	1	1	1	--	Y	Former Wedge Building
		W-13	1	1	1	--	Y	Former Wedge Building
		W-14	1	1	1	--	Y	Former Wedge Building
		W-15	1	1	1	--	Y	Former Wedge Building
		W-16	1	1	1	--	Y	Former Wedge Building
		W-17	1	1	1	--	N	--
		W-18 (s, i, d)	3	3	3	--	Y	Former Wedge Building
		W-19	1	1	1	--	Y	Former Wedge Building
		W-20	1	1	1	--	Y	Former Wedge Building
		Sub-Totals:	22	22	7	--		Metals analysis required for sample per NYSDEC request. Endpoint Sample.
	Former Buildings C-2	C2-1	1	1	1	--	N	--
		C2-2 (s, i, d)	3	3	3	--	N	--
		C2-3	1	1	1	--	N	--
		C2-4 (s, i, d)	3	3	3	--	N	--
		C3-1 (s, i, d)	3	3	3	--	N	--
	Former Building C-3	C3-2	1	1	1	--	N	--
		C3-3 (s, i, d)	3	3	3	--	N	--
		C3-4	1	1	1	--	N	--
		Sub-Totals:	16	16	16	--		Metals analysis required for sample per NYSDEC request. Endpoint Sample.
	Former Building C-4	C4-1	1	1	1	--	N	--
		C4-2 (s, i, d)	3	3	3	--	Y	C4-2
		C4-3	1	1	1	--	N	--
		C4-4	1	1	1	--	N	--
	Former Building C-5	C5-1	1	1	1	--	N	--
		C5-2	1	1	1	--	N	--
		C5-3 (s, i, d)	3	3	3	--	N	--
		C5-4	3	3	3	2	Y	North Alleyway Area
		C5-5	1	1	1	--	N	Additional sample depths (2) collected per NYSDEC request. TPH analyzed in intermediate and deep samples.
		C6-1	1	1	1	--	N	Additional sample location added per NYSDEC. Not in original Closure Plan. Only collected shallow sample.
		C6-2	1	1	1	--	Y	--

Table 3-1
Summary of Identified AOCs

Sample		Analyte				Remediation Req.	Remediation Required AOC ID	Notes
Main Area	AOC	Sample Identification	VOCs ⁵	SVOCs ⁶	Metals ⁷	TPH DRO		
Former Building C-6		C6-3	1	1	1	--	N	--
		C6-4	1	1	1	--	N	--
		C6-5	1	1	1	--	N	--
		C6-6 (s, i, d)	3	3	3	--	Y	C6-6 / C6-SILVERRM-SB-1
		C6-7	1	1	1	--	N	--
		C6-8 (s, i, d)	3	3	3	--	Y	C6-8
		C6-9	1	1	1	--	N	--
		C6-10 (s, i, d)	3	3	3	--	N	--
		C6-11	1	1	1	--	N	--
		C6-12	1	1	1	--	N	--
		C6-13 (s, i, d)	3	3	3	--	Y	C6-13
		C6-14	1	1	1	--	N	--
		C6-15	1	1	1	--	N	--
		C6-16	1	1	1	--	N	--
		C6-17 (s, i, d)	3	3	3	--	Y	C6-13
		Sub-Totals:	42	42	42	2		
Miscellaneous Areas	North Alley	NA-1	--	--	--	--	N/A	Soil sampling was not performed at this location. Remediation completed with NYSDEC oversight.
		NA-2	--	--	--	--	N/A	Soil sampling was not performed at this location. Remediation completed with NYSDEC oversight.
		NA-3	--	--	--	--	N/A	Soil sampling was not performed at this location. Remediation completed with NYSDEC oversight.
		NA-4	--	--	--	--	N/A	Soil sampling was not performed at this location. Remediation completed with NYSDEC oversight.
		NA-5	--	--	--	--	N/A	Soil sampling was not performed at this location. Remediation completed with NYSDEC oversight.
		NA-6	--	--	--	--	N/A	Soil sampling was not performed at this location. Remediation completed with NYSDEC oversight.
		NA-7	--	--	--	--	N/A	Soil sampling was not performed at this location. Remediation completed with NYSDEC oversight.
		NA-8	--	--	--	--	N/A	Soil sampling was not performed at this location. Remediation completed with NYSDEC oversight.
		NA-9	--	--	--	--	N/A	Soil sampling was not performed at this location. Remediation completed with NYSDEC oversight.
		NA-10	--	--	--	--	N/A	Soil sampling was not performed at this location. Remediation completed with NYSDEC oversight.
		NAW-1	2	2	2	--	N/A	Additional boring locations as directed by client to determine approximate depth of contamination.
		NAW-2	2	2	2	--	N/A	Additional boring locations as directed by client to determine approximate depth of contamination.
		NAW-3	2	2	2	--	N/A	Additional boring locations as directed by client to determine approximate depth of contamination.
		NAW-4	2	2	2	--	N/A	Additional boring locations as directed by client to determine approximate depth of contamination.
		NAW-5	2	2	2	--	N/A	Additional boring locations as directed by client to determine approximate depth of contamination.
		Sub-Totals:	10	10	10	--		
	Building No. 9 (Annex)	B9-1	1	1	1	--	N	--
		B9-2	1	1	1	--	N	--
		B9-3	1	1	1	--	N	--
		B9-4 (s, i, d)	3	3	3	--	N	--
		B9-5	1	1	1	--	Y	B9-5
		B9-6	1	1	1	--	N	--
		B9-7 (s, i, d)	3	3	3	--	N	--
		B9-8	1	1	1	--	N	--
		B9-9 (s, i, d)	3	3	3	--	Y	B9-9
		B9-10	1	1	1	--	N	--
		Sub-Totals:	16	16	16	--		
	North Lot Area Water Tank	WT-1 (s, i, d)	--	--	3	--	Y	Former North Lot Water Tank
		WT-2 (s, i, d)	--	--	3	--	Y	Former North Lot Water Tank
		WT-3 (s, i, d)	--	--	3	--	N	--
		WT-4 (s, i, d)	--	--	3	--	Y	Former North Lot Water Tank
		WT-5 (s, i, d)	--	--	3	--	Y	Former North Lot Water Tank
		WT-6 (s, i, d)	--	--	3	--	N	--
		WT-7 (s, i, d)	--	--	3	--	Y	Former North Lot Water Tank
		WT-8 (s, i, d)	--	--	3	--	Y	Former North Lot Water Tank
		WT-9 (s, i, d)	--	--	3	--	Y	Former North Lot Water Tank
		WT-10 (s, i, d)	--	--	3	--	Y	Former North Lot Water Tank
		Sub-Totals:	--	--	30	--		
	Site-Wide Groundwater (Existing Wells)	P2-1 ¹	1	--	1	--	N/A	--
		P2-2	--	--	--	--	N/A	Well could not be located during site inspection therefore no sampling was performed.
		P2-3	--	--	--	--	N/A	Well could not be located during site inspection therefore no sampling was performed.
		P2-4	--	--	--	--	N/A	Well could not be located during site inspection therefore no sampling was performed.
		P2-5	1	--	1	--	N/A	--
		P2-6	--	--	--	--	N/A	Well could not be located during site inspection therefore no sampling was performed.
		P2-7 ²	1	--	1	--	N/A	--
		P2-8	--	--	--	--	N/A	Well could not be located during site inspection therefore no sampling was performed.
		P2-9	--	--	--	--	N/A	Well could not be located during site inspection therefore no sampling was performed.
		MW-9S ⁴	1	--	1	--	N/A	--
		Sub-Totals:	4	--	4	--		
	Site-Wide Groundwater (New Wells)	MWR-10	1	--	1	--		
		MWR-11	1	--	1	--		
		MWR-12	1	--	1	--		
		MWR-13	1	--	1	--		
		MWR-14	1	--	1	--		
		MWR-15	1	--	1	--		
		MWR-16	1	--	1	--		
		MWR-17	1	--	1	--		
		Sub-Totals:	8	--	8	--		

Notes:

Trip Blank - One per sample cooler.

RB - Rinsate / Field Blank - One per sample equipment type.

BD - Blind Duplicate one in 20.

MS / MSD - Matrix Spike / Matrix Spike Duplicate one in 20.

¹ Samples will be managed, where feasible, in maximum 20 sample SDGs. As such, the number of QA QC samples indicated herein may be revised.

² These samples will also be analyzed for TCL PCBs by EPA Method 8082.

³ These samples will also be analyzed for formaldehyde by EPA Method 8315.

⁴ Shallow, intermediate and deep soil samples will be collected from this location.

⁵ TCL VOCs + 10 TICs by EPA Method 8260B.

⁶ TCL SVOCs + 20 TICs by EPA Method 8270C.

⁷ TAL Metals by the EPA 6010 / 7471a / 7470a Series

Table 4-1
TCL VOCs Soil Analytical Data
Former Basement Area - Main Building

TCL VOCs (mg/kg)	NYSDEC Unrestricted SCO	Soil Samples																
		Former Basement Area - Main Building																
		MB-1 (0.5-1.0')	MB-2 (0.5-1.0')	MB-3 (0.5-1.0')	MB-4 (0.5-1.0')	MB-5 (0.5-1.0')	MB-6 (0.5-1.0')	MB-7 (0.5-1.0')	MB-8 (0.5-1.0')	MB-9 (0.5-1.0')	MB-10 (0.5-1.0')	MB-11 (0.5-1.0')	MB-12 (0.5-1.0')	MB-13 (0.5-1.0')	MB-14 (0.5-1.0')	MB-15 (0.5-1.0')	MB-16 (0.5-1.0')	MB-17 (0.5-1.0')
1,1,1-Trichloroethane	0.68	0.00087 U	0.00089 U	0.00089 U	0.00072 U	0.0012 U	0.00092 U	0.00081 U	0.00089 U	0.0010 U	0.0011 U	0.00092 U	0.00093 U	0.0010 U	0.0010 U	0.00088 U	0.00088 U	0.00084 U
1,1,2,2-Tetrachloroethane	NA	0.00087 U	0.00089 U	0.00089 U	0.00072 U	0.0012 U	0.00092 U	0.00081 U	0.00089 U	0.0010 U	0.0011 U	0.00092 U	0.00093 U	0.0010 U	0.0010 U	0.00088 U	0.00088 U	0.00084 U
1,1,2-Trichloroethane	NA	0.00087 U	0.00089 U	0.00089 U	0.00072 U	0.0012 U	0.00092 U	0.00081 U	0.00089 U	0.0010 U	0.0011 U	0.00092 U	0.00093 U	0.0010 U	0.0010 U	0.00088 U	0.00088 U	0.00084 U
1,1-Dichloroethane	0.27	0.00087 U	0.00089 U	0.00089 U	0.00072 U	0.0012 U	0.00092 U	0.00081 U	0.00089 U	0.0010 U	0.0011 U	0.00092 U	0.00093 U	0.0010 U	0.0010 U	0.00088 U	0.00088 U	0.00084 U
1,1-Dichloroethene	0.33	0.00087 U	0.00089 U	0.00089 U	0.00072 U	0.0012 U	0.00092 U	0.00081 U	0.00089 U	0.0010 U	0.0011 U	0.00092 U	0.00093 U	0.0010 U	0.0010 U	0.00088 U	0.00088 U	0.00084 U
1,2,3-Trichlorobenzene	NA	0.00087 U	0.00089 U	0.00089 U	0.00072 U	0.0012 U	0.00092 U	0.00081 U	0.00089 U	0.0010 U	0.0011 U	0.00092 U	0.00093 U	0.0010 U	0.0010 U	0.00088 U	0.00088 U	0.00084 U
1,2,4-Trichlorobenzene	NA	0.00087 U	0.00089 U	0.00089 U	0.00072 U	0.0012 U	0.00092 U	0.00081 U	0.00089 U	0.0010 U R	0.0011 U	0.00092 U	0.00093 U R	0.0010 U	0.0010 U	0.00088 U	0.00088 U	0.00084 U
1,2-Dibromo-3-Chloropropane	NA	0.00087 U	0.00089 U	0.00089 U	0.00072 U	0.0012 U	0.00092 U	0.00081 U	0.00089 U	0.0010 U	0.0011 U	0.00092 U	0.00093 U	0.0010 U	0.0010 U	0.00088 U	0.00088 U	0.00084 U
1,2-Dibromoethane	NA	0.00087 U	0.00089 U	0.00089 U	0.00072 U	0.0012 U	0.00092 U	0.00081 U	0.00089 U	0.0010 U	0.0011 U	0.00092 U	0.00093 U	0.0010 U	0.0010 U	0.00088 U	0.00088 U	0.00084 U
1,2-Dichlorobenzene	1.1	0.00087 U	0.00089 U	0.00089 U	0.00072 U	0.0012 U	0.00092 U	0.00081 U	0.00089 U	0.0010 U	0.0011 U	0.00092 U	0.00093 U	0.0010 U	0.0010 U	0.00088 U	0.00088 U	0.00084 U
1,2-Dichloroethane	0.02	0.00087 U	0.00089 U	0.00089 U	0.00072 U	0.0012 U	0.00092 U	0.00081 U	0.00089 U	0.0010 U	0.0011 U	0.00092 U	0.00093 U	0.0010 U	0.0010 U	0.00088 U	0.00088 U	0.00084 U
1,2-Dichloropropane	NA	0.00087 U	0.00089 U	0.00089 U	0.00072 U	0.0012 U	0.00092 U	0.00081 U	0.00089 U	0.0010 U	0.0011 U	0.00092 U	0.00093 U	0.0010 U	0.0010 U	0.00088 U	0.00088 U	0.00084 U
1,3-Dichlorobenzene	2.4	0.00087 U	0.00089 U	0.00089 U	0.00072 U	0.0012 U	0.00092 U	0.00081 U	0.00089 U	0.0010 U	0.0011 U	0.00092 U	0.00093 U	0.0010 U	0.0010 U	0.00088 U	0.00088 U	0.00084 U
1,4-Dichlorobenzene	1.8	0.00087 U	0.00089 U	0.00089 U	0.00072 U	0.0012 U	0.00092 U	0.00081 U	0.00089 U	0.0010 U	0.0011 U	0.00092 U	0.00093 U	0.0010 U	0.0010 U	0.00088 U	0.00088 U	0.00084 U
1,4-Dioxane	0.1	0.043 U	0.044 U	0.045 U	0.036 U	0.058 U	0.046 U	0.041 U	0.045 U	0.051 U	0.057 U	0.046 U	0.047 U	0.050 U	0.052 U	0.044 U	0.044 U	0.042 U
2-Butanone (MEK)	0.12	0.0087 U	0.0089 U	0.0089 U	0.0072 U	0.012 U	0.0092 U	0.0081 U	0.0089 U	0.010 U	0.026 J	0.0092 U	0.0093 U	0.010 U	0.010 U	0.0088 U	0.0088 U	0.0084 U
2-Hexanone	NA	0.0087 U	0.0089 U	0.0089 U	0.0072 U	0.0089 U	0.012 U	0.0092 U	0.0081 U	0.0072 U	0.011 U	0.0092 U	0.0093 U	0.010 U	0.010 U	0.0088 U	0.0088 U	0.0084 U
4-Methyl-2-pentanone	NA	0.0087 U	0.0089 U	0.0089 U	0.0072 U	0.012 U	0.0092 U	0.0081 U	0.0089 U	0.010 U	0.011 U	0.0092 U	0.0093 U	0.010 U	0.010 U	0.0088 U	0.0088 U	0.0084 U
Acetone	0.05	0.0087 U	0.0089 U	0.0089 U	0.0072 U	0.012 U	0.0092 U	0.0081 U	0.0089 U	0.010 U	0.11 B	0.0098	0.0093 U	0.010 U	0.010 U	0.0088 U	0.0088 U	0.0084 U
Benzene	0.06	0.00087 U	0.00089 U	0.00089 U	0.00072 U	0.0012 U	0.00092 U	0.00081 U	0.00089 U	0.0010 U	0.0011 U	0.00092 U	0.00093 U	0.0010 U	0.0010 U	0.00088 U	0.00088 U	0.00084 U
Bromochloromethane	NA	0.00087 U	0.00089 U	0.00089 U	0.00072 U	0.0012 U	0.00092 U	0.00081 U	0.00089 U	0.0010 U	0.0011 U	0.00092 U	0.00093 U	0.0010 U	0.0010 U	0.00088 U	0.00088 U	0.00084 U
Bromodichloromethane	NA	0.00087 U	0.00089 U	0.00089 U	0.00072 U	0.0012 U	0.00092 U	0.00081 U	0.00089 U	0.0010 U	0.0011 U	0.00092 U	0.00093 U	0.0010 U	0.0010 U	0.00088 U	0.00088 U	0.00084 U
Bromoform	NA	0.00087 U	0.00089 U	0.00089 U	0.00072 U	0.0012 U	0.00092 U	0.00081 U	0.00089 U	0.0010 U	0.0011 U	0.00092 U	0.00093 U	0.0010 U	0.0010 U	0.00088 U	0.00088 U	0.00084 U
Bromomethane	NA	0.00087 U	0.00089 U	0.00089 U	0.00072 U	0.0012 U	0.00092 U	0.00081 U	0.00089 U	0.0010 U	0.0011 U	0.00092 U	0.00093 U	0.0010 U	0.0010 U	0.00088 U	0.00088 U	0.00084 U
Carbon disulfide	NA	0.00087 U	0.00089 U	0.00089 U	0.00072 U	0.0012 U	0.00092 U	0.00081 U	0.00089 U	0.0010 U	0.00050 J	0.00092 U	0.00093 U	0.0010 U	0.0010 U	0.00088 U	0.00088 U	0.00084 U
Carbon tetrachloride	0.76	0.00087 U	0.00089 U	0.00089 U	0.00072 U	0.0012 U	0.00092 U	0.00081 U	0.00089 U	0.0010 U	0.0011 U	0.00092 U	0.00093 U	0.0010 U	0.0010 U	0.00088 U	0.00088 U	0.00084 U
Chlorobenzene	1.1	0.00087 U	0.00089 U	0.00089 U	0.00072 U	0.0012 U	0.00092 U	0.00081 U	0.00089 U	0.0010 U	0.0011 U	0.00092 U	0.00093 U	0.0010 U	0.0010 U	0.00088 U	0.00088 U	0.00084 U
Chloroethane	NA	0.00087 U	0.00089 U	0.00089 U	0.00072 U	0.0012 U	0.00092 U	0.00081 U	0.00089 U	0.0010 U	0.0011 U	0.00092 U	0.00093 U	0.0010 U	0.0010 U	0.00088 U	0.00088 U	0.00084 U
Chloroform	0.37	0.00087 U	0.00089 U	0.00089 U	0.00072 U	0.0012 U	0.00092 U	0.00081 U	0.00089 U	0.0010 U	0.0011 U	0.00092 U	0.00093 U	0.0010 U	0.0010 U	0.00088 U	0.00088 U	0.00084 U
Chloromethane	NA	0.00087 U	0.00089 U	0.00089 U	0.00072 U	0.0012 U	0.00092 U	0.00081 U	0.00089 U	0.0010 U	0.0011 U	0.00092 U	0.00093 U	0.0010 U	0.0010 U	0.00088 U	0.00088 U	0.00084 U
cis-1,2-Dichloroethene	0.25	0.00087 U	0.00089 U	0.00089 U	0.00072 U	0.0012 U	0.00092 U	0.00081 U	0.00089 U	0.0010 U	0.0011 U	0.00092 U	0.00093 U	0.0010 U	0.0010 U	0.00088 U	0.00088 U	0.00084 U
cis-1,3-Dichloropropene	NA	0.00087 U	0.00089 U	0.00089 U	0.00072 U	0.0012 U	0.00092 U	0.00081 U	0.00089 U	0.0010 U	0.0011 U	0.00092 U	0.00093 U	0.0010 U	0.0010 U	0.00088 U	0.00088 U	0.00084 U
Cyclohexane	NA	0.00087 U	0.00089 U	0.00089 U	0.00072 U	0.0012 U	0.00092 U	0.00081 U	0.00089 U	0.0010 U	0.0011 U	0.00092 U	0.00093 U	0.0010 U	0.0010 U	0.00088 U	0.00088 U	0.00084 U
Dibromochloromethane	NA	0.00087 U	0.00089 U	0.00089 U	0.00072 U	0.0012 U	0.00092 U	0.00081 U	0.00089 U	0.0010 U	0.0011 U	0.00092 U	0.00093 U	0.0010 U	0.0010 U	0.00088 U	0.00088 U	0.00084 U
Dichlorodifluoromethane	NA	0.00087 U	0.00089 U	0.00089 U	0.00072 U R	0.0056	0.18	0.00081 U	0.016	0.0010 U	0.0011 U	0.00092 U	0.00093 U	0.0010 U	0.0010 U	0.00088 U	0.00088 U	0.00084 U
Ethylbenzene	1	0.00087 U	0.00089 U	0.00089 U	0.00072 U	0.0012 U	0.00023 J	0.00081 U	0.00089 U	0.0010 U	0.0011 U	0.00092 U	0.00093 U	0.0010 U	0.0010 U	0.00088 U	0.00088 U	0.00084 U
Freon 113	NA	0.00087 U	0.00089 U	0.00089 U	0.00072 U	0.0012 U	0.00092 U	0.00081 U	0.00089 U	0.0010 U	0.0011 U	0.00092 U	0.00093 U	0.0010 U	0.0010 U	0.00088 U	0.00088 U	0.00084 U
Isopropylbenzene	NA	0.00087 U	0.00089 U	0.00089 U	0.00072 U	0.0012 U	0.00092 U	0.00081 U	0.00089 U	0.0010 U	0.0011 U	0.00092 U	0.00093 U	0.0010 U	0.0010 U	0.00088 U	0.00088 U	0.00084 U
m&p-Xylene	0.26	0.0017 U	0.0018 U	0.0018 U	0.0014 U	0.0023 U	0.0018 U	0.0016 U	0.0018 U	0.0021 U	0.0023 U	0.0018 U	0.0019 U	0.0020 U	0.0021 U	0.0018 U	0.0018 U	0.0017 U
Methyl acetate	NA	0.00087 U	0.00089 U	0.00089 U	0.00072 U	0.0012 U	0.00092 U	0.00081 U	0.00089 U	0.0010 U	0.0011 U	0.00092 U	0.00093 U	0.0010 U	0.0010 U	0.00088 U	0.00088 U	0.00084 U
Methylcyclohexane	NA	0.00087 U	0.00089 U	0.00089 U	0.00072 U	0.0012 U	0.00092 U	0.00081 U	0.00089 U	0.0010 U	0.0011 U	0.00092 U	0.00093 U	0.0010 U	0.0010 U	0.00088 U	0.00088 U	0.00084 U
Methylene Chloride	0.05	0.00044 J B	0.00064 J B	0.00057 J B	0.00072 U	0.00068 J B	0.00044 J B	0.00047 J B	0.00039 J B	0.0010 U	0.0011 U	0.00040 J B	0.00039 J B	0.00072 J B	0.00085 J B	0.00088 U	0.00033 J B	0.00084 U
MTBE	0.93	0.00087 U	0.00089 U	0.00089 U	0.00072 U	0.0012 U	0.00092 U	0.00081 U	0.00089 U	0.0010 U	0.0011 U	0.00092 U	0.00093 U	0.0010 U	0.0010 U	0.00088 U	0.00088 U	0.00084 U
o-Xylene	0.26	0.00087 U	0.00089 U	0.00089 U	0.00072 U	0.0012 U	0.00092 U	0.00081 U	0.00089 U	0.0010 U	0.0011 U	0.00092 U	0.00093 U	0.0010 U	0.0010 U	0.00088 U	0.00088 U	0.00084 U
Styrene	NA	0.00087 U	0.00089 U	0.00089 U	0.00072 U	0.0012 U	0.00092 U	0.00081 U	0.00089 U	0.0010 U	0.0011 U	0.00092 U	0.00093 U	0.0010 U	0.0010 U	0.00088 U	0.00088 U	0.00084 U
Tetrachloroethene	1.3	0.00087 U	0.00089 U	0.00089 U	0.00072 U	0.0012 U	0.00092 U	0.00081 U	0.00089 U	0.0010 U	0.0011 U	0.00092 U	0.00093 U	0.0010 U	0.0010 U	0.00088 U	0.00088 U	0.00084 U
Toluene	0.7	0.00058 J	0.00089 U	0.00089 U	0.00072 U	0.0012 U	0.00085 J	0.00016 J	0.00032 J	0.00053 J	0.0011 U	0.00092 U	0.00037 J	0.00019 J	0.0010 U	0.00088 U	0.00088 U	0.0011
trans-1,2-Dichloroethene	0.19	0.00055 J	0.00089 U	0.00089 U	0.00072 U	0.0012 U	0.00092 U	0.00081 U	0.00089 U	0.0010 U	0.0011 U	0.00092 U	0.00093 U	0.0017	0.0012	0.00088 U	0.00088 U	0.00084 U
trans-1,3-Dichloropropene	NA	0.00087 U	0.00089 U	0.00089 U	0.00072 U	0.0012 U	0.00092 U	0.00081 U	0.00089 U	0.0010 U	0.0011 U	0.00092 U	0.00093 U	0.0010 U	0.0010 U	0.00088 U	0.00088 U	0.00084 U
Trichloroethene	0.47	0.00087 U	0.00089 U	0.00089 U	0.00072 U	0.0012 U	0.00092 U	0.00081 U	0.00089 U	0.0010 U	0.0011 U	0.00092 U	0.00093 U	0.0010 U	0.0010 U	0.00088 U	0.00088 U	0.00084 U
Trichlorofluoromethane	NA	0.00087 U	0.00089 U	0.00089 U	0.00072 U	0.0012 U	0.00092 U	0.00081 U	0.00089 U	0.0010 U	0.0011 U							

Notes

J : Indicates an estimated value.

J B : The analyte was found in an associated blank, as well as in the sample.

J N : Indicates an estimated value.

U : Analyzed for but not detected.

U R : Indicates that value is rejected based upon DUSR review by third party data validator.

Total xylenes SCO utilized for all isomers

Highlighted / bolded indicates analyte exceeded above its respective NYSDEC Unrestricted SCO.

NA - Not Available

Table 4-1
TCL VOCs Soil Analytical Data
Former Basement Area - Main Building

TCL VOCs (mg/kg)	NYSDEC Unrestricted SCO	Soil Samples Former Basement Area - Main Building																	
		MB-18			MB-19	MB-20	MB-21	MB-22	MB-23		MB-24	MB-25	MB-26		MB-27	MB-28	MB-29		
		(0.5-1.0')	(1.5-2.0')	(2.5-3.0')	(0.5-1.0')	(0.5-1.0')	(0.5-1.0')	(0.5-1.0')	(0.5-1.0')	(5.0-5.5')	(7.0'-7.5')	(0.5-1.0')	(0.5-1.0')	(0.5-1.0')	(5.0-5.5')	(7.0-7.5')	(0.5-1.0')	(0.5-1.0')	(0.5-1.0')
1,1,1-Trichloroethane	0.68	0.00098 U	0.0011 U	0.00075 U	0.00098 U	0.00074 U	0.0018 U	0.0013 U	0.0010 U	0.00083 U	0.00099 U	0.0011 U	0.00092 U	0.00062 U	0.0011 U	0.00098 U	0.0012 U	0.00077 U	0.00053 U
1,1,2,2-Tetrachloroethane	NA	0.00098 U	0.0011 U	0.00075 U	0.00098 U	0.00074 U	0.0018 U	0.0013 U	0.0010 U	0.00083 U	0.00099 U	0.0011 U	0.00092 U	0.00062 U	0.0011 U	0.00098 U	0.0012 U	0.00077 U	0.00053 U
1,1,2-Trichloroethane	NA	0.00098 U	0.0011 U	0.00075 U	0.00098 U	0.00074 U	0.0018 U	0.0013 U	0.0010 U	0.00083 U	0.00099 U	0.0011 U	0.00092 U	0.00062 U	0.0011 U	0.00098 U	0.0012 U	0.00077 U	0.00053 U
1,1-Dichloroethane	0.27	0.00098 U	0.0011 U	0.00075 U	0.00098 U	0.00074 U	0.0018 U	0.0013 U	0.0010 U	0.00083 U	0.00099 U	0.0011 U	0.00092 U	0.00062 U	0.0011 U	0.00098 U	0.0012 U	0.00077 U	0.00053 U
1,1-Dichloroethene	0.33	0.00098 U	0.0011 U	0.00075 U	0.00098 U	0.00074 U	0.0018 U	0.0013 U	0.0010 U	0.00083 U	0.00099 U	0.0011 U	0.00092 U	0.00062 U	0.0011 U	0.00098 U	0.0012 U	0.00077 U	0.00053 U
1,2,3-Trichlorobenzene	NA	0.00098 U	0.0011 U	0.00075 U	0.00098 U	0.00074 U	0.0018 U	0.0013 U	0.0010 U	0.00083 U	0.00099 U	0.0011 U	0.00092 U	0.00062 U	0.0011 U	0.00098 U	0.0012 U	0.00077 U	0.00053 U
1,2,4-Trichlorobenzene	NA	0.00098 U	0.0011 U	0.00075 U	0.00098 U	0.00074 U	0.0018 U	0.0013 U	0.0010 U	0.00083 U	0.00099 U	0.0011 U	0.00092 U	0.00062 U	0.0011 U	0.00098 U	0.0012 U	0.00077 U	0.00053 U
1,2-Dibromo-3-Chloropropane	NA	0.00098 U	0.0011 U	0.00075 U	0.00098 U	0.00074 U	0.0018 U	0.0013 U	0.0010 U	0.00083 U	0.00099 U	0.0011 U	0.00092 U	0.00062 U	0.0011 U	0.00098 U	0.0012 U	0.00077 U	0.00053 U
1,2-Dibromoethane	NA	0.00098 U	0.0011 U	0.00075 U	0.00098 U	0.00074 U	0.0018 U	0.0013 U	0.0010 U	0.00083 U	0.00099 U	0.0011 U	0.00092 U	0.00062 U	0.0011 U	0.00098 U	0.0012 U	0.00077 U	0.00053 U
1,2-Dichlorobenzene	1.1	0.00098 U	0.0011 U	0.00075 U	0.00098 U	0.00074 U	0.0018 U	0.0013 U	0.0010 U	0.00083 U	0.00099 U	0.0011 U	0.00092 U	0.00062 U	0.0011 U	0.00098 U	0.0012 U	0.00077 U	0.00053 U
1,2-Dichloroethane	0.02	0.00098 U	0.0011 U	0.00075 U	0.00098 U	0.00074 U	0.0018 U	0.0013 U	0.0010 U	0.00083 U	0.00099 U	0.0011 U	0.00092 U	0.00062 U	0.0011 U	0.00098 U	0.0012 U	0.00077 U	0.00053 U
1,2-Dichloropropane	NA	0.00098 U	0.0011 U	0.00075 U	0.00098 U	0.00074 U	0.0018 U	0.0013 U	0.0010 U	0.00083 U	0.00099 U	0.0011 U	0.00092 U	0.00062 U	0.0011 U	0.00098 U	0.0012 U	0.00077 U	0.00053 U
1,3-Dichlorobenzene	2.4	0.00098 U	0.0011 U	0.00075 U	0.00098 U	0.00074 U	0.0018 U	0.0013 U	0.0010 U	0.00083 U	0.00099 U	0.0011 U	0.00092 U	0.00062 U	0.0011 U	0.00098 U	0.0012 U	0.00077 U	0.00053 U
1,4-Dichlorobenzene	1.8	0.00098 U	0.0011 U	0.00075 U	0.00098 U	0.00074 U	0.0018 U	0.0013 U	0.0010 U	0.00083 U	0.00099 U	0.0011 U	0.00092 U	0.00062 U	0.0011 U	0.00098 U	0.0012 U	0.00077 U	0.00053 U
1,4-Dioxane	0.1	0.049 U	0.057 U	0.037 U	0.049 U	0.037 U	0.088 U	0.063 U	0.051 U	0.041 U	0.049 U	0.053 U	0.046 U	0.031 U	0.056 U	0.049 U	0.060 U	0.038 U	0.026 U
2-Butanone (MEK)	0.12	0.0098 U	0.015	0.0075 U	0.0098 U	0.0074 U	0.051	0.017	0.010 U	0.0083 U	0.0099 U	0.011 U	0.0092 U	0.0062 U	0.011 U	0.0098 U	0.012 U	0.0077 U	0.0053 U
2-Hexanone	NA	0.0098 U	0.011 U	0.0075 U	0.0098 U	0.0074 U	0.018 U	0.013 U	0.010 U	0.0083 U	0.0099 U	0.011 U	0.0092 U	0.0062 U	0.011 U	0.0098 U	0.012 U	0.0077 U	0.0053 U
4-Methyl-2-pentanone	NA	0.0098 U	0.011 U	0.0075 U	0.0098 U	0.0074 U	0.018 U	0.013 U	0.010 U	0.0083 U	0.0099 U	0.011 U	0.0092 U	0.0062 U	0.011 U	0.0098 U	0.012 U	0.0077 U	0.0053 U
Acetone	0.05	0.0098 U	0.054	0.0075 U	0.0098 U	0.0074 U	0.27 B	0.15	0.010 U	0.0083 U	0.0099 U	0.011 U	0.021	0.0062 U	0.011 U	0.0098 U	0.012 U	0.0077 U	0.0089
Benzene	0.06	0.00098 U	0.0011 U	0.00075 U	0.00098 U	0.00074 U	0.00060 J	0.0010 J	0.0010 U	0.00083 U	0.00099 U	0.0011 U	0.00092 U	0.00062 U	0.0011 U	0.00098 U	0.0012 U	0.00077 U	0.00053 U
Bromochloromethane	NA	0.00098 U	0.0011 U	0.00075 U	0.00098 U	0.00074 U	0.0018 U	0.0013 U	0.0010 U	0.00083 U	0.00099 U	0.0011 U	0.00092 U	0.00062 U	0.0011 U	0.00098 U	0.0012 U	0.00077 U	0.00053 U
Bromodichloromethane	NA	0.00098 U	0.0011 U	0.00075 U	0.00098 U	0.00074 U	0.0018 U	0.0013 U	0.0010 U	0.00083 U	0.00099 U	0.0011 U	0.00092 U	0.00062 U	0.0011 U	0.00098 U	0.0012 U	0.00077 U	0.00053 U
Bromoform	NA	0.00098 U	0.0011 U	0.00075 U	0.00098 U	0.00074 U	0.0018 U	0.0013 U	0.0010 U	0.00083 U	0.00099 U	0.0011 U	0.00092 U	0.00062 U	0.0011 U	0.00098 U	0.0012 U	0.00077 U	0.00053 U
Bromomethane	NA	0.00098 U	0.0011 U	0.00075 U	0.00098 U	0.00074 U	0.0018 U	0.0013 U	0.0010 U	0.00083 U	0.00099 U	0.0011 U	0.00092 U	0.00062 U	0.0011 U	0.00098 U	0.0012 U	0.00077 U	0.00053 U
Carbon disulfide	NA	0.00098 U	0.0011 U	0.00075 U	0.00098 U	0.00074 U	0.00090 J	0.0011 J	0.0010 U	0.00083 U	0.00099 U	0.0011 U	0.00021 J	0.00062 U	0.0011 U	0.00098 U	0.0012 U	0.00077 U	0.00053 U
Carbon tetrachloride	0.76	0.00098 U	0.0011 U	0.00075 U	0.00098 U	0.00074 U	0.0018 U	0.0013 U	0.0010 U	0.00083 U	0.00099 U	0.0011 U	0.00092 U	0.00062 U	0.0011 U	0.00098 U R	0.0012 U	0.00077 U	0.00053 U
Chlorobenzene	1.1	0.00098 U	0.0011 U	0.00075 U	0.00098 U	0.00074 U	0.0018 U	0.0013 U	0.0010 U	0.00083 U	0.00099 U	0.0011 U	0.00092 U	0.00062 U	0.0011 U	0.00098 U	0.0012 U	0.00077 U	0.00053 U
Chloroethane	NA	0.00098 U	0.0011 U	0.00075 U	0.00098 U	0.00074 U	0.0018 U	0.0013 U	0.0010 U	0.00083 U	0.00099 U	0.0011 U	0.00092 U	0.00062 U	0.0011 U	0.00098 U	0.0012 U	0.00077 U	0.00053 U
Chloroform	0.37	0.00098 U	0.0011 U	0.00075 U	0.00098 U	0.00074 U	0.0018 U	0.0013 U	0.0010 U	0.00083 U	0.00099 U	0.0011 U	0.00092 U	0.00062 U	0.0011 U	0.00098 U	0.0012 U	0.00077 U	0.00053 U
Chloromethane	NA	0.00098 U	0.0011 U	0.00075 U	0.00098 U	0.00074 U	0.0018 U	0.0013 U	0.0010 U	0.00083 U	0.00099 U	0.0011 U	0.00092 U	0.00062 U	0.0011 U	0.00098 U	0.0012 U	0.00077 U	0.00053 U
cis-1,2-Dichloroethene	0.25	0.00018 J	0.00022 J	0.00017 J	0.00098 U	0.00074 U	0.00033 J	0.0013 U	0.0010 U	0.00083 U	0.00099 U	0.0011 U	0.00092 U	0.00062 U	0.0011 U	0.00098 U	0.0012 U	0.00077 U	0.00053 U
cis-1,3-Dichloropropene	NA	0.00098 U	0.0011 U	0.00075 U	0.00098 U	0.00074 U	0.0018 U	0.0013 U	0.0010 U	0.00083 U	0.00099 U	0.0011 U	0.00092 U	0.00062 U	0.0011 U	0.00098 U	0.0012 U	0.00077 U	0.00053 U
Cyclohexane	NA	0.00098 U	0.0011 U	0.00075 U	0.00098 U	0.00074 U	0.0013 J	0.0013 U	0.0010 U	0.00083 U	0.00099 U	0.0011 U	0.00092 U	0.00062 U	0.0011 U	0.00098 U	0.0012 U	0.00077 U	0.00053 U
Dibromochloromethane	NA	0.00098 U	0.0011 U	0.00075 U	0.00098 U	0.00074 U	0.0018 U	0.0013 U	0.0010 U	0.00083 U	0.00099 U	0.0011 U	0.00092 U	0.00062 U	0.0011 U	0.00098 U	0.0012 U	0.00077 U	0.00053 U
Dichlorodifluoromethane	NA	0.00098 U	0.0011 U	0.00075 U	0.00098 U	0.00074 U	0.0018 U	0.0013 U	0.0010 U	0.00083 U	0.00099 U	0.0011 U	0.00092 U	0.00062 U	0.0011 U	0.00098 U	0.0012 U	0.00077 U	0.00053 U
Ethylbenzene	1	0.00098 U	0.0011 U	0.00075 U	0.00098 U	0.00074 U	0.0018 U	0.0013 U	0.0010 U	0.00083 U	0.00099 U	0.0011 U	0.00092 U	0.00062 U	0.0011 U	0.00098 U	0.0012 U	0.00077 U	0.00053 U
Freon 113	NA	0.00098 U	0.0011 U	0.00075 U	0.00098 U	0.00074 U	0.0018 U	0.0013 U	0.0010 U	0.00083 U									

Table 4-1
TCL VOCs Soil Analytical Data
Former Basement Area - Main Building

TCL VOCs (mg/kg)	NYSDEC Unrestricted SCO	Soil Samples	
		Former Basement Area - Main Bldg	
		MB-30 (0.5-1.0')	MB-31 (0.5-1.0')
1,1,1-Trichloroethane	0.68	0.00073 U	0.00098 U
1,1,2,2-Tetrachloroethane	NA	0.00073 U	0.00098 U
1,1,2-Trichloroethane	NA	0.00073 U	0.00098 U
1,1-Dichloroethane	0.27	0.00073 U	0.00098 U
1,1-Dichloroethene	0.33	0.00073 U	0.00098 U
1,2,3-Trichlorobenzene	NA	0.00073 U	0.00098 U
1,2,4-Trichlorobenzene	NA	0.00073 U	0.00098 U
1,2-Dibromo-3-Chloropropane	NA	0.00073 U	0.00098 U
1,2-Dibromoethane	NA	0.00073 U	0.00098 U
1,2-Dichlorobenzene	1.1	0.00073 U	0.00098 U
1,2-Dichloroethane	0.02	0.00073 U	0.00098 U
1,2-Dichloropropane	NA	0.00073 U	0.00098 U
1,3-Dichlorobenzene	2.4	0.00073 U	0.00098 U
1,4-Dichlorobenzene	1.8	0.00073 U	0.00098 U
1,4-Dioxane	0.1	0.036 U	0.049 U
2-Butanone (MEK)	0.12	0.0073 U	0.0098 U
2-Hexanone	NA	0.0073 U	0.0098 U
4-Methyl-2-pentanone	NA	0.0073 U	0.0098 U
Acetone	0.05	0.0073 U	0.0098 U
Benzene	0.06	0.00073 U	0.00098 U
Bromochloromethane	NA	0.00073 U	0.00098 U
Bromodichloromethane	NA	0.00073 U	0.00098 U
Bromoform	NA	0.00073 U	0.00098 U
Bromomethane	NA	0.00073 U	0.00098 U
Carbon disulfide	NA	0.00073 U	0.00098 U
Carbon tetrachloride	0.76	0.00073 U	0.00098 U
Chlorobenzene	1.1	0.00073 U	0.00098 U
Chloroethane	NA	0.00073 U	0.00098 U
Chloroform	0.37	0.00073 U	0.00098 U
Chloromethane	NA	0.00073 U	0.00098 U
cis-1,2-Dichloroethene	0.25	0.00011 J	0.00098 U
cis-1,3-Dichloropropene	NA	0.00073 U	0.00098 U
Cyclohexane	NA	0.00073 U	0.00098 U
Dibromochloromethane	NA	0.00073 U	0.00098 U
Dichlorodifluoromethane	NA	0.00073 U	0.00098 U
Ethylbenzene	1	0.00073 U	0.00098 U
Freon 113	NA	0.00073 U	0.00098 U
Isopropylbenzene	NA	0.00073 U	0.00098 U
m&p-Xylene	0.26	0.0015 U	0.0020 U
Methyl acetate	NA	0.00073 U	0.00098 U
Methylcyclohexane	NA	0.00073 U	0.00098 U
Methylene Chloride	0.05	0.00037 J B	0.00056 J B
MTBE	0.93	0.00073 U	0.00098 U
o-Xylene	0.26	0.00073 U	0.00098 U
Styrene	NA	0.00073 U	0.00098 U
Tetrachloroethene	1.3	0.00073 U	0.00098 U
Toluene	0.7	0.0025	0.0015
trans-1,2-Dichloroethene	0.19	0.00073 U	0.00098 U
trans-1,3-Dichloropropene	NA	0.00073 U	0.00098 U
Trichloroethene	0.47	0.00073 U	0.00098 U
Trichlorofluoromethane	NA	0.00019 J	0.00098 U
Vinyl chloride	0.02	0.00073 U	0.00098 U
Xylenes, Total	0.26	0.00073 U	0.00098 U
Naphthalene	12	0.0022 U	0.0029 U

Notes

- J : Indicates an estimated value.
- J B : The analyte was found in an associated blank, as well as in the sample.
- J N : Indicates an estimated value.
- U : Analyzed for but not detected.
- Total xylenes SCO utilized for all isomers
- Highlighted / bolded indicates analyte exceeded above its respective NYSDEC Unrestricted SCO.
- NA - Not Available



Table 4-2
Soil TCL SVOC Analytical Data
Former Basement Area - Main Building

TCL SVOCs (mg/kg)	NYSDEC Unrestricted SCO	Soil Samples Former Basement Area - Main Building									
		MB-1	MB-3	MB-5	MB-9	MB-11	MB-15	MB-19	MB-23		
		(0.5-1.0')	(0.5-1.0')	(0.5-1.0')	(0.5-1.0')	(0.5-1.0')	(0.5-1.0')	(0.5-1.0')	(0.5-1.0')	(5.0-5.5')	(7.0-7.5')
1,2,4,5-Tetrachlorobenzene	NA	0.39 U R	0.38 U	0.41 U	0.43 U	0.40 U	0.36 U R	0.38 U	0.34 U	0.35 U	0.37 U
1,4-Dioxane	0.1	0.39 U	0.38 U	0.41 U	0.43 U	0.40 U	0.36 U	0.38 U	0.34 U	0.35 U	0.37 U
2,2'-oxybis[1-chloropropane]	NA	0.39 U	0.38 U	0.41 U	0.43 U	0.40 U	0.36 U	0.38 U	0.34 U	0.35 U	0.37 U
2,3,4,6-Tetrachlorophenol	NA	0.39 U	0.38 U	0.41 U	0.43 U	0.40 U	0.36 U	0.38 U	0.34 U	0.35 U	0.37 U
2,4,5-Trichlorophenol	NA	0.39 U	0.38 U	0.41 U	0.43 U	0.40 U	0.36 U	0.38 U	0.34 U	0.35 U	0.37 U
2,4,6-Trichlorophenol	NA	0.39 U	0.38 U	0.41 U	0.43 U	0.40 U	0.36 U	0.38 U	0.34 U	0.35 U	0.37 U
2,4-Dichlorophenol	NA	0.39 U	0.38 U	0.41 U	0.43 U	0.40 U	0.36 U	0.38 U	0.34 U	0.35 U	0.37 U
2,4-Dimethylphenol	NA	0.39 U	0.38 U	0.41 U	0.43 U	0.40 U	0.36 U	0.38 U	0.34 U	0.35 U	0.37 U
2,4-Dinitrophenol	NA	1.2 U	1.1 U	1.2 U	1.3 U	1.2 U	1.1 U	1.1 U	1.0 U	1.1 U	1.1 U
2,4-Dinitrotoluene	NA	0.080 U	0.077 U	0.082 U	0.088 U	0.081 U	0.074 U	0.076 U	0.069 U	0.070 U	0.076 U
2,6-Dinitrotoluene	NA	0.080 U	0.077 U	0.082 U	0.088 U	0.081 U	0.074 U	0.076 U	0.069 U	0.070 U	0.076 U
2-Chloronaphthalene	NA	0.39 U	0.38 U	0.41 U	0.43 U	0.40 U	0.36 U	0.38 U	0.34 U	0.35 U	0.37 U
2-Chlorophenol	NA	0.39 U	0.38 U	0.41 U	0.43 U	0.40 U	0.36 U	0.38 U	0.34 U	0.35 U	0.37 U
2-Methylnaphthalene	NA	0.39 U	0.38 U	0.41 U	0.43 U	0.40 U	0.36 U	0.38 U	0.34 U	0.35 U	0.37 U
2-Methylphenol	0.33	0.39 U	0.38 U	0.41 U	0.43 U	0.40 U	0.36 U	0.38 U	0.34 U	0.35 U	0.37 U
2-Nitroaniline	NA	0.80 U	0.77 U	0.82 U	0.88 U	0.81 U	0.74 U	0.76 U	0.69 U	0.70 U	0.76 U
2-Nitrophenol	NA	0.39 U	0.38 U	0.41 U	0.43 U	0.40 U	0.36 U	0.38 U	0.34 U	0.35 U	0.37 U
3,3'-Dichlorobenzidine	NA	0.80 U	0.77 U	0.82 U	0.88 U	0.81 U	0.74 U	0.76 U	0.69 U	0.70 U	0.76 U
3-Nitroaniline	NA	0.80 U	0.77 U	0.82 U	0.88 U	0.81 U	0.74 U	0.76 U	0.69 U	0.70 U	0.76 U
4,6-Dinitro-2-methylphenol	NA	1.2 U	1.1 U	1.2 U	1.3 U	1.2 U	1.1 U	1.1 U	1.0 U	1.1 U	1.1 U
4-Bromophenyl phenyl ether	NA	0.39 U	0.38 U	0.41 U	0.43 U	0.40 U	0.36 U	0.38 U	0.34 U	0.35 U	0.37 U
4-Chloro-3-methylphenol	NA	0.39 U	0.38 U	0.41 U	0.43 U	0.40 U	0.36 U	0.38 U	0.34 U	0.35 U	0.37 U
4-Chloroaniline	NA	0.39 U	0.38 U	0.41 U	0.43 U	0.40 U	0.36 U	0.38 U	0.34 U	0.35 U	0.37 U
4-Chlorophenyl phenyl ether	NA	0.39 U	0.38 U	0.41 U	0.43 U	0.40 U	0.36 U	0.38 U	0.34 U	0.35 U	0.37 U
4-Methylphenol	0.33	0.39 U	0.38 U	0.41 U	0.43 U	0.40 U	0.36 U	0.38 U	0.34 U	0.35 U	0.37 U
4-Nitroaniline	NA	0.80 U	0.77 U	0.82 U	0.88 U	0.81 U	0.74 U	0.76 U	0.69 U	0.70 U	0.76 U
4-Nitrophenol	NA	1.2 U	1.1 U	1.2 U	1.3 U	1.2 U	1.1 U	1.1 U	1.0 U	1.1 U	1.1 U
Acenaphthene	20	0.39 U	0.38 U	0.41 U	0.43 U	0.40 U	0.36 U	0.38 U	0.34 U	0.35 U	0.37 U
Acenaphthylene	100	0.39 U	0.38 U	0.41 U	0.43 U	0.40 U	0.36 U	0.38 U	0.34 U	0.35 U	0.37 U
Acetophenone	NA	0.39 U	0.38 U	0.41 U	0.43 U	0.40 U	0.36 U	0.38 U	0.34 U	0.35 U	0.37 U
Anthracene	100	0.088 J	0.38 U	0.41 U	0.43 U	0.40 U	0.36 U	0.38 U	0.34 U	0.35 U	0.37 U
Atrazine	NA	0.39 U	0.38 U	0.41 U	0.43 U	0.40 U	0.36 U	0.38 U	0.34 U	0.35 U	0.37 U
Benzaldehyde	NA	0.39 U	0.38 U	0.41 U	0.43 U	0.40 U	0.36 U	0.38 U	0.34 U	0.35 U	0.37 U
Benzo[a]anthracene	1	0.24	0.038 U	0.041 U	0.043 U	0.040 U	0.17	0.038 U	0.034 U	0.035 U	0.037 U
Benzo[a]pyrene	1	0.20	0.038 U	0.041 U	0.043 U	0.040 U	0.15	0.038 U	0.034 U	0.035 U	0.037 U
Benzo[b]fluoranthene	1	0.24	0.038 U	0.041 U	0.015 J	0.040 U	0.18	0.038 U	0.034 U	0.035 U	0.037 U
Benzo[g,h,i]perylene	100	0.14 J	0.38 U	0.41 U	0.43 U	0.40 U	0.11 J	0.38 U	0.34 U	0.35 U	0.37 U
Benzo[k]fluoranthene	0.8	0.12	0.038 U	0.041 U	0.043 U	0.040 U	0.095	0.038 U	0.034 U	0.035 U	0.037 U
Bis(2-chloroethoxy)methane	NA	0.39 U	0.38 U	0.41 U	0.43 U	0.40 U	0.36 U	0.38 U	0.34 U	0.35 U	0.37 U
Bis(2-chloroethyl)ether	NA	0.039 U	0.038 U	0.041 U	0.043 U	0.040 U	0.036 U	0.038 U	0.034 U	0.035 U	0.037 U
Bis(2-ethylhexyl) phthalate	NA	0.39 U	0.38 U	0.41 U	0.43 U	0.40 U	0.56	0.38 U	0.34 U	0.35 U	0.37 U
Butyl benzyl phthalate	NA	0.39 U	0.38 U	0.41 U	0.43 U	0.40 U	0.26 J	0.38 U	0.34 U	0.35 U	0.37 U
Caprolactam	NA	0.39 U	0.38 U	0.41 U	0.43 U	0.40 U	0.36 U	0.38 U	0.34 U	0.35 U	0.37 U
Carbazole	NA	0.39 U	0.38 U	0.41 U	0.43 U	0.40 U	0.36 U	0.38 U	0.34 U	0.35 U	0.37 U
Chrysene	1	0.28 J	0.38 U	0.41 U	0.43 U	0.40 U	0.19 J	0.38 U	0.34 U	0.35 U	0.37 U
Dibenz(a,h)anthracene	0.33	0.033 J	0.038 U	0.041 U	0.043 U	0.040 U	0.033 J	0.038 U	0.034 U	0.035 U	0.037 U
Dibenzofuran	7	0.39 U	0.38 U	0.41 U	0.43 U	0.40 U	0.36 U	0.38 U	0.34 U	0.35 U	0.37 U
Diethyl phthalate	NA	0.39 U	0.38 U	0.41 U	0.43 U	0.40 U	0.36 U	0.38 U	0.34 U	0.35 U	0.37 U
Dimethyl phthalate	NA	0.39 U	0.38 U	0.41 U	0.43 U	0.40 U	0.26 J	0.38 U	0.34 U	0.35 U	0.37 U
Di-n-butyl phthalate	NA	0.39 U	0.38 U	0.41 U	0.43 U	0.40 U	0.099 J	0.38 U	0.34 U	0.35 U	0.37 U
Di-n-octyl phthalate	NA	0.39 U	0.38 U	0.41 U	0.43 U	0.40 U	0.36 U	0.38 U	0.34 U	0.35 U	0.37 U
Diphenyl	NA	0.39 U	0.38 U	0.41 U	0.43 U	0.40 U	0.36 U	0.38 U	0.34 U	0.35 U	0.37 U
Fluoranthene	100	0.44	0.38 U	0.41 U	0.43 U	0.40 U	0.28 J	0.38 U	0.34 U	0.35 U	0.37 U
Fluorene	30	0.39 U	0.38 U	0.41 U	0.43 U	0.40 U	0.36 U	0.38 U	0.34 U	0.35 U	0.37 U
Hexachlorobenzene	0.33	0.039 U	0.038 U	0.041 U	0.043 U	0.040 U	0.036 U	0.038 U	0.034 U	0.035 U	0.037 U
Hexachlorobutadiene	NA	0.080 U	0.077 U	0.082 U	0.088 U	0.081 U	0.074 U	0.076 U	0.069 U	0.070 U	0.076 U
Hexachlorocyclopentadiene	NA	0.39 U	0.38 U	0.41 U	0.43 U	0.40 U	0.36 U	0.38 U	0.34 U	0.35 U	0.37 U
Hexachloroethane	NA	0.039 U	0.038 U	0.041 U	0.043 U	0.040 U	0.036 U	0.038 U	0.034 U	0.035 U	0.037 U
Indeno[1,2,3-cd]pyrene	0.5	0.11	0.038 U	0.041 U	0.043 U	0.040 U	0.097	0.038 U	0.034 U	0.035 U	0.037 U
Isophorone	NA	0.39 U	0.38 U	0.41 U	0.43 U	0.40 U	0.36 U	0.38 U	0.34 U	0.35 U	0.37 U
Naphthalene	12	0.39 U	0.38 U	0.41 U	0.43 U	0.40 U	0.066 J	0.38 U	0.34 U	0.35 U	0.37 U
Nitrobenzene	NA	0.039 U	0.038 U	0.041 U	0.043 U	0.040 U	0.036 U	0.038 U	0.034 U	0.035 U	0.037 U
N-Nitrosodi-n-propylamine	NA	0.039 U	0.038 U	0.041 U	0.043 U	0.040 U	0.036 U	0.038 U	0.034 U	0.035 U	0.037 U
N-Nitrosodiphenylamine	NA	0.39 U	0.38 U	0.41 U	0.43 U	0.40 U	0.36 U	0.38 U	0.34 U	0.35 U	0.37 U
Pentachlorophenol	0.8	1.2 U	1.1 U	1.2 U	1.3 U	1.2 U	1.1 U	1.1 U	1.0 U	1.1 U	1.1 U
Phenanthrene	100	0.52	0.38 U	0.41 U	0.43 U	0.40 U	0.18 J	0.38 U	0.34 U	0.35 U	0.37 U
Phenol	0.33	0.39 U	0.38 U	0.41 U	0.43 U	0.40 U	0.36 U	0.38 U	0.34 U	0.35 U	0.37 U
Pyrene	100	0.81	0.38 U	0.41 U	0.43 U	0.40 U	0.29 J	0.38 U	0.34 U	0.35 U	0.37 U
Pyridine	NA	0.39 U	0.38 U	0.41 U	0.43 U	0.40 U	0.36 U	0.38 U	0.34 U	0.35 U	0.37 U

Notes

ND: TIC not detected

J : Indicates an estimated value.

J N : This flag indicates the presumptive evidence of a compound.

U : Analyzed for but not detected.

U R : Indicates that value is rejected based upon DUSR review by third party data validator.

Highlighted / bolded indicates analyte exceeded above its respective NYSDEC Unrestricted SCO.

NA - Not Available



Table 4-3
TAL Metals Soil Analytical Data
Former Basement Area - Main Building

TAL Metals (mg/kg)	NYSDEC Unrestricted SCO	Soil Samples Former Basement Area - Main Building																
		MB-1	MB-2	MB-3	MB-4	MB-5	MB-6	MB-7	MB-8	MB-9	MB-10	MB-11	MB-12	MB-13	MB-14	MB-15	MB-16	MB-17
		(0.5-1.0')	(0.5-1.0')	(0.5-1.0')	(0.5-1.0')	(0.5-1.0')	(0.5-1.0')	(0.5-1.0')	(0.5-1.0')	(0.5-1.0')	(0.5-1.0')	(0.5-1.0')	(0.5-1.0')	(0.5-1.0')	(0.5-1.0')	(0.5-1.0')	(0.5-1.0')	(0.5-1.0')
Aluminum	NA	8,100	6,460	2,040	3,340	7,150	4,660	11,200	5,130	7,050	4,350	9,260	3,670	3,580	4,080	2,730	3,250	6,270
Antimony	NA	2.0 U	1.7 U	2.0 U	1.5 U	2.0 U	1.8 U	1.7 U	1.6 U	2.6 U	1.9 U	2.0 U	1.7 U	1.6 U	2.0 U	2.1 U	1.9 U	1.8 U
Arsenic	13	3.0	1.3	1.5	2.0	1.8	1.8	3.1	1.4	2.6	1.3	2.1	1.0	0.82 U	2.1	18.9	1.2	1.7
Barium	350	76.8	21.7 J	14.7 J	21.8 J	40.8	29.4 J	88.2	25.4 J	66.7	31.0 J	58.0	27.0 J	27.4 J	67.9	76.9	12.3 J	45.5
Beryllium	7.2	0.27 J	0.35 U	0.26 J	0.24 J	0.33 J	0.21 J	0.66	0.17 J	0.31 J	0.25 J	0.37 J	0.30 J	0.13 J	0.40 U	0.41 U	0.22 J	0.31 J
Cadmium	2.5	0.16 J	4.2	3.0	0.77 U	0.98 U	0.88 U	40.2	0.36 J	2.5	1.3	1.0 U	0.23 J	0.59 J	1.0 U	1.8	1.5	0.60 J
Calcium	NA	58,700	999	266 J	267 J	858 J	706 J	1,380	242 J	3,560	1,520	884 J	2,430	1,950	1,670	5,850	522 J	733 J
Chromium ¹	30	13.6	14.1	7.0	7.1	12.7	9.9	21.3	9.4	13.6	9.4	16.4	9.3	8.5	14.7	13.0	13.2	12.3
Cobalt	NA	4.0 J	5.7 J	2.2 J	6.4 J	2.7 J	2.4 J	6.8 J	5.1 J	3.8 J	2.0 J	4.2 J	8.0 J	4.1 J	9.7 J	14.4	1.9 J	2.5 J
Copper	50	5.3	6.8	3.8 J	5.7	2.3 J	3.5 J	13.6	4.0 U	5.5 J	6.4	6.9	6.6	5.7	5.2	10.4	29.6	9.1
Iron	NA	8,830	9,230	8,560	12,600	11,000	7,800	21,000	7,600	10,700	5,070	8,690	7,850	5,400	13,300	33,300	8,700	8,240
Lead	63	9.5	5.3	5.6	3.0	8.0	8.5	12.8	4.0	12.7	16.2	6.2	3.3	3.5	3.7	8.9	36.3	42.8
Magnesium	NA	2,830	1,700	494 J	547 J	916 J	1,060	2,870	836	1,440	894 J	991 J	1,220	1,300	1,870	1,150	913 J	1,180
Manganese	1,600	215	320	185	306	232	98.4	273	116	138	50.6	28.3	106	57.2	911	1,190	96.6	110
Nickel	30	9.7	7.2	3.8 J	12.9	5.6 J	5.3 J	14.3	4.2 J	6.9 J	4.9 J	6.2 J	7.3	5.7 J	9.4	12.4	7.9	6.7 J
Potassium	NA	545 J	674 J	328 J	365 J	318 J	301 J	1810	155 J	443 J	305 J	781 J	457 J	579 J	595 J	747 J	190 J	329 J
Selenium	3.9	2.0 U	1.7 U	2.0 U	1.5 U	2.0 U	1.8 U	1.7 U	1.6 U	2.6 U	1.9 U	2.0 U	1.7 U	1.6 U	2.0 U	2.1 U	1.9 U	1.8 U
Silver	2	1.1 J	0.32 J	2.4	1.5 U	2.0 U	0.61 J	0.36 J	1.6 U	25.8	4.9	2.0 U	50.6	38.5	3.5	8.7	61.4	16.3
Sodium	NA	993 U	870 U	984 U	766 U	977 U	878 U	826 U	801 U	1,290 U	969 U	995 U	872 U	824 U	1,010 U	1,030 U	968 U	922 U
Thallium	NA	2.0 U	1.7 U	2.0 U	1.5 U	2.0 U	1.8 U	1.7 U	1.6 U	2.6 U	1.9 U	2.0 U	1.7 U	1.6 U	2.0 U	2.1 U	1.9 U	1.8 U
Vanadium	NA	15.7	20.6	10.6	10.7	13.9	12.2	29.1	12.9	15.9	8.8 J	15.7	19.2	7.9 J	14.4	11.9	13.4	11.5
Zinc	109	24.8	19.5	8.8	11.1	13.5	22.5	46.4	11.4	33.2	22.1	18.9	22.6	23.5	34.5	36.1	25.7	49.3
Mercury	0.18	0.026	0.019 U	0.030	0.018 U	0.025	0.060	0.031	0.018 U	0.14	1.5	0.020 U	0.43	0.020 U	0.022 U	0.095	0.025	0.20

Notes
J : Sample result is greater than the MDL but below the CRDL
U : Indicates analyzed for but not detected.
¹ Trivalent chromium SCOs utilized.
Highlighted / bolded indicates analyte exceeded above its respective NYSDEC Unrestricted SCO.
NA - Not Available



Table 4-3
TAL Metals Soil Analytical Data
Former Basement Area - Main Building

TAL Metals (mg/kg)	NYSDEC Unrestricted SCO	Soil Samples Former Basement Area - Main Building																	
		MB-18			MB-19	MB-20	MB-21	MB-22	MB-23			MB-24	MB-25	MB-26			MB-27	MB-28	MB-29
		(0.5-1.0')	(1.5-2.0')	(2.5-3.0')	(0.5-1.0')	(0.5-1.0')	(0.5-1.0')	(0.5-1.0')	(0.5-1.0')	(5.0-5.5')	(7.0-7.5')	(0.5-1.0')	(0.5-1.0')	(0.5-1.0')	(5.0-5.5')	(7.0-7.5')	(0.5-1.0')	(0.5-1.0')	(0.5-1.0')
Aluminum	NA	7,710	6,050	6,540	1,200	4,730	19,000	9,480	2,360	3,030	2,440	11,000	7,270	1,550	14,700	1,310	8,450	5,340	4,370
Antimony	NA	2.2 U	2.0 U	1.7 U	1.9 U	1.9 U	2.5 U	2.7 U	1.9 U	1.6 U	2.2 U	2.6 U	2.3 U	1.5 U	1.4 J	2.2 U	2.4 U	1.8 U	2.0 U
Arsenic	13	1.1	1.0 U	0.85 U	0.96 U	1.7	4.0	1.3 U	0.97 U	0.97	1.1 U	2.0	1.2	0.75 U	4.3	1.1 U	1.9	1.7	1.2
Barium	350	55.8	59.5	76.5	21.7 J	19.2 J	126	80.4	15.1 J	21.4 J	15.0 J	59.2	37.2 J	4.5 J	95.1	7.7 J	70.2	31.1 J	29.7 J
Beryllium	7.2	0.29 J	0.22 J	0.34 U	0.38 U	0.22 J	0.98	0.46 J	0.16 J	0.19 J	0.43 U	0.55	0.43 J	0.30 U	0.46 U	0.43 U	0.29 J	0.27 J	0.20 J
Cadmium	2.5	0.18 J	1.0 U	0.85 U	0.39 J	0.97 U	0.58 J	21.9	0.97 U	0.80 U	1.1 U	0.26 J	1.1 U	0.75 U	1.2 U	1.1 U	1.1 J	0.92 U	0.99 U
Calcium	NA	1,410	838 J	653 J	229 J	241 J	5,280	1,280 J	511 J	683 J	437 J	25,700	756 J	299 J	3,060	583 J	2,950	937	4,560
Chromium ¹	30	13.3	11.1	11.9	3.0	10.1	22.1	20.7	5.3	7.9	5.0	14.5	9.2	2.9	83.6	4.8	20.4	11.2	9.0
Cobalt	NA	2.5 J	1.5 J	2.3 J	3.0 J	1.6 J	5.7 J	2.0 J	1.7 J	2.0 J	2.5 J	3.6 J	2.1 J	0.71 J	28.4	10.9 U	2.0 J	3.2 J	2.5 J
Copper	50	3.3 J	5.1 U	4.3 U	3.2 J	1.9 J	10.9	25.9	3.5 J	15.2	3.9 J	9.1	2.5 J	1.5 J	20.2	5.4 U	15.0	6.7	4.9 J
Iron	NA	6,630	3,400	4,800	3,060	7,910	13,400	5,210	6,480	5,940	4,290	11,300	7,260	2,310	29,700	2,940	7,020	10,000	6,750
Lead	63	22.2	3.8	4.9	2.4	3.1	142	7.6	2.3	1.9	1.7	74.7	9.4	2.1	7.5	2.5	106	36.2	10.4
Magnesium	NA	1,540	1,080	1,510	360 J	524 J	2,570	985 J	698 J	717 J	708 J	2,700	756 J	274 J	10,000	306 J	1,210	1,240	1,220
Manganese	1,600	104	50.1	53.9	177	187	218	62.4	131	229	226	251	172	19.8	2,100	31.4	58.2	105	99.5
Nickel	30	6.3 J	4.6 J	6.3 J	2.2 J	4.5 J	14.9	7.4 J	4.3 J	6.1 J	4.7 J	9.3 J	5.5 J	2.2 J	32.8	2.1 J	6.5 J	7.4	5.5 J
Potassium	NA	238 J	231 J	278 J	143 J	222 J	703 J	416 J	363 J	258 J	341 J	586 J	226 J	161 J	2490	137 J	426 J	641 J	545 J
Selenium	3.9	2.2 U	2.0 U	1.7 U	1.9 U	1.9 U	2.5 U	2.7 U	1.9 U	1.6 U	2.2 U	2.6 U	2.3 U	1.5 U	2.3 U	2.2 U	2.4 U	1.8 U	2.0 U
Silver	2	0.91 J	2.0 U	1.7 U	2.7	1.9 U	2.5 U	15.0	1.9 U	0.21 J	2.2 U	1.6 J	2.3 U	1.5 U	6.7	4.0	17.5	1.8 U	1.3 J
Sodium	NA	1,100 U	1,020 U	853 U	958 U	970 U	1,260 U	1,350 U	968 U	798 U	1,080 U	1,280 U	1,130 U	752 U	1,150 U	1,090 U	1,180 U	915 U	992 U
Thallium	NA	2.2 U	2.0 U	1.7 U	1.9 U	1.9 U	2.5 U	2.7 U	1.9 U	1.6 U	2.2 U	2.6 U	2.3 U	1.5 U	2.3 U	2.2 U	2.4 U	1.8 U	2.0 U
Vanadium	NA	11.3	5.6 J	7.5 J	3.4 J	10.9	26.3	7.1 J	6.7 J	5.9 J	5.2 J	15.9	9.9 J	3.0 J	44.2	3.8 J	13.6	15.4	10.6
Zinc	109	25.8	16.9	21.0	33.6	11.3	43.0	39.8	7.7	11.4	7.4	38.0	15.7	6.4	50.6	9.1	26.6	20.0	86.0
Mercury	0.18	0.047	0.019 U	0.019 U	0.036	0.018 U	0.063	0.084	0.017 U	0.044	0.019 U	0.062	0.035	0.017 U	0.035	0.018 U	0.56	0.019 U	0.20

Notes
J : Sample result is greater than the MDL but below the CRDL
U : Indicates analyzed for but not detected.
¹ Trivalent chromium SCOs utilized.
Highlighted / bolded indicates analyte exceeded above its respective NYSDEC Unrestricted SCO.
NA - Not Available



Table 4-3
TAL Metals Soil Analytical Data
Former Basement Area - Main Building

TAL Metals (mg/kg)	NYSDEC Unrestricted SCO	Soil Samples Former Basement Area - Main Building						
		MB-30	MB-31	Sample Area 4A			Bldg-1-RCRA-4-SB-4	
		(0.5-1.0')	(0.5-1.0')	(0.5-1.0')	(1.5'-2.0')	(2.5-3.0')	(0.5-1.0')	(1.0-1.5')
Aluminum	NA	10,700	21,100	10,200	3,470	1,240	8,370	13,000
Antimony	NA	1.1 J	3.1	1.7 U	1.8 U	1.8 U	3.2 U	2.5 U
Arsenic	13	4.1	3.9	0.85 U	1.0	0.89 U	1.9	1.5
Barium	350	234	102	49.2	28.5 J	9.9 J	79.3	145
Beryllium	7.2	0.37 U	0.38 U	0.34 U	0.15 J	0.36 U	0.43 J	1.4
Cadmium	2.5	0.55 J	0.31 J	0.85 U	0.95	0.89 U	0.42 J	0.19 J
Calcium	NA	1,840	15,200	1,580	8,340	92 J	14,100	5,340
Chromium ¹	30	23.7	126	36.3	12.7	3.8	31.1	51.1
Cobalt	NA	15.5	19.9	8.3 J	2.9 J	0.86 J	1.8 J	2.0 J
Copper	50	13.9	34.8	1.7 J	7.7	4.4 U	14.0	5.9 J
Iron	NA	29,600	34,900	13,800	3,440	1,570	4,900	5,190
Lead	63	10.3	4.3	4.2	5.2	1.5	7.6	9.4
Magnesium	NA	4,560	18,100	4,770	1,130	182 J	1,400 J	1,190 J
Manganese	1,600	712	480	122	51.5	20.0	78.6	136
Nickel	30	27.1	48.4	14.5	6.1 J	1.7 J	8.5 J	8.3 J
Potassium	NA	5900	2,570	500 J	430 J	208 J	511 J	649 J
Selenium	3.9	1.8 U	1.9 U	1.7 U	1.8 U	1.8 U	2.2 J	2.5 U
Silver	2	1.4 J	0.24 J	1.7 U	1.9	1.8 U	3.5	2.5 U
Sodium	NA	921 U	280 J	847 U	892 U	890 U	1,600 U	1,250 U
Thallium	NA	1.8 U	1.9 U	1.7 U	1.8 U	1.8 U	3.2 U	2.5 U
Vanadium	NA	39.0	71.4	22.2	6.0 J	2.9 J	10.6 J	8.5 J
Zinc	109	71.1	65.5	29.4	24.7	3.7 J	27.8	27.8
Mercury	0.18	0.018 U	0.019 U	0.018 U	0.036	0.016 U	0.049	0.054

Notes

J : Sample result is greater than the MDL but below the CRDL

U : Indicates analyzed for but not detected.

¹ Trivalent chromium SCOs utilized.

Highlighted / bolded indicates analyte exceeded above its respective NYSDEC Unrestricted SCO.

NA - Not Available



Table 4-4
TCL VOCs Soil Analytical Data
Former Emulsion and Silver Handling Areas

TCL VOCs (mg/kg)	NYSDEC Unrestricted SCO	Soil Samples Former Emulsion and Silver Handling Areas														
		ER-1	ER-2	ER-3	ER-4	ER-5			ER-6	ER-7		ER-8	ER-9	ER-10	ER-11	
		(0.5-1.0')	(0.5-1.0')	(0.5-1.0')	(0.5-1.0')	(0.5-1.0')	(4.0-4.5')	(7.0-7.5')	(0.5-1.0')	(0.5-1.0')	(4.0-4.5')	(6.5-7.0')	(0.5-1.0')	(0.5-1.0')	(0.5-1.0')	(0.5-1.0')
1,1,1-Trichloroethane	0.68	0.00093 U	0.00075 U	0.0012 U	0.00057 U	0.00094 U	0.00069 U	0.00064 U	0.0011 U	0.00076 U	0.0010 U	0.0012 U	0.0010 U	0.00073 U	0.00087 U	0.00077 U
1,1,2,2-Tetrachloroethane	NA	0.00093 U	0.00075 U	0.0012 U	0.00057 U	0.00094 U	0.00069 U	0.00064 U	0.0011 U	0.00076 U	0.0010 U	0.0012 U	0.0010 U	0.00073 U	0.00087 U	0.00077 U
1,1,2-Trichloroethane	NA	0.00093 U	0.00075 U	0.0012 U	0.00057 U	0.00094 U	0.00069 U	0.00064 U	0.0011 U	0.00076 U	0.0010 U	0.0012 U	0.0010 U	0.00073 U	0.00087 U	0.00077 U
1,1-Dichloroethane	0.27	0.00093 U	0.00075 U	0.0012 U	0.00057 U	0.00094 U	0.00069 U	0.00064 U	0.0011 U	0.00076 U	0.0010 U	0.0012 U	0.0010 U	0.00073 U	0.00087 U	0.00077 U
1,1-Dichloroethene	0.33	0.00093 U	0.00075 U	0.0012 U	0.00057 U	0.00094 U	0.00069 U	0.00064 U	0.0011 U	0.00076 U	0.0010 U	0.0012 U	0.0010 U	0.00073 U	0.00087 U	0.00077 U
1,2,3-Trichlorobenzene	NA	0.00093 U	0.00075 U	0.0012 U	0.00057 U	0.00094 U	0.00069 U	0.00064 U	0.0011 U	0.00076 U	0.0010 U	0.0012 U	0.0010 U	0.00073 U	0.00087 U	0.00077 U
1,2,4-Trichlorobenzene	NA	0.00093 U	0.00075 U	0.0012 U	0.00057 U	0.00094 U	0.00069 U	0.00064 U	0.0011 U	0.00076 U	0.0010 U	0.0012 U	0.0010 U	0.00073 U	0.00087 U	0.00077 U
1,2-Dibromo-3-Chloropropane	NA	0.00093 U	0.00075 U	0.0012 U	0.00057 U	0.00094 U	0.00069 U	0.00064 U	0.0011 U	0.00076 U	0.0010 U	0.0012 U	0.0010 U	0.00073 U	0.00087 U	0.00077 U
1,2-Dibromoethane	NA	0.00093 U	0.00075 U	0.0012 U	0.00057 U	0.00094 U	0.00069 U	0.00064 U	0.0011 U	0.00076 U	0.0010 U	0.0012 U	0.0010 U	0.00073 U	0.00087 U	0.00077 U
1,2-Dichlorobenzene	1.1	0.00093 U	0.00075 U	0.0012 U	0.00057 U	0.00094 U	0.00069 U	0.00064 U	0.0011 U	0.00076 U	0.0010 U	0.0012 U	0.0010 U	0.00073 U	0.00087 U	0.00077 U
1,2-Dichloroethane	0.02	0.00093 U	0.00075 U	0.0012 U	0.00057 U	0.00094 U	0.00069 U	0.00064 U	0.0011 U	0.00076 U	0.0010 U	0.0012 U	0.0010 U	0.00073 U	0.00087 U	0.00077 U
1,2-Dichloropropane	NA	0.00093 U	0.00075 U	0.0012 U	0.00057 U	0.00094 U	0.00069 U	0.00064 U	0.0011 U	0.00076 U	0.0010 U	0.0012 U	0.0010 U	0.00073 U	0.00087 U	0.00077 U
1,3-Dichlorobenzene	2.4	0.00093 U	0.00075 U	0.0012 U	0.00057 U	0.00094 U	0.00069 U	0.00064 U	0.0011 U	0.00076 U	0.0010 U	0.0012 U	0.0010 U	0.00073 U	0.00087 U	0.00077 U
1,4-Dichlorobenzene	1.8	0.00093 U	0.00075 U	0.0012 U	0.00057 U	0.00094 U	0.00069 U	0.00064 U	0.0011 U	0.00076 U	0.0010 U	0.0012 U	0.0010 U	0.00073 U	0.00087 U	0.00077 U
1,4-Dioxane	0.1	0.046 U	0.038 U	0.060 U	0.028 U	0.047 U	0.035 U	0.032 U	0.055 U	0.038 U	0.052 U	0.058 U	0.051 U	0.037 U	0.043 U	0.039 U
2-Butanone (MEK)	0.12	0.0093 U	0.0075 U	0.012 U	0.0057 U	0.0094 U	0.0069 U	0.0064 U	0.011 U	0.0076 U	0.010 U	0.012 U	0.010 U	0.0073 U	0.0087 U	0.0077 U
2-Hexanone	NA	0.0093 U	0.0075 U	0.012 U	0.0057 U	0.0094 U	0.0069 U	0.0064 U	0.011 U	0.0076 U	0.010 U	0.012 U	0.010 U	0.0073 U	0.0087 U	0.0077 U
4-Methyl-2-pentanone	NA	0.0093 U	0.0075 U	0.012 U	0.0057 U	0.0094 U	0.0069 U	0.0064 U	0.011 U	0.0076 U	0.010 U	0.012 U	0.010 U	0.0073 U	0.0087 U	0.0077 U
Acetone	0.05	0.0025 J B	0.0018 J B	0.012 U	0.0057 U	0.0094 U	0.0069 U	0.0064 U	0.011 U	0.0076 U	0.010 U	0.012 U	0.010 U	0.0073 U	0.0087 U	0.0077 U
Benzene	0.06	0.00093 U	0.00075 U	0.0012 U	0.00057 U	0.00094 U	0.00069 U	0.00064 U	0.0011 U	0.00076 U	0.0010 U	0.0012 U	0.0010 U	0.00073 U	0.00087 U	0.00077 U
Bromochloromethane	NA	0.00093 U	0.00075 U	0.0012 U	0.00057 U	0.00094 U	0.00069 U	0.00064 U	0.0011 U	0.00076 U	0.0010 U	0.0012 U	0.0010 U	0.00073 U	0.00087 U	0.00077 U
Bromodichloromethane	NA	0.00093 U	0.00075 U	0.0012 U	0.00057 U	0.00094 U	0.00069 U	0.00064 U	0.0011 U	0.00076 U	0.0010 U	0.0012 U	0.0010 U	0.00073 U	0.00087 U	0.00077 U
Bromoform	NA	0.00093 U	0.00075 U	0.0012 U	0.00057 U	0.00094 U	0.00069 U	0.00064 U	0.0011 U	0.00076 U	0.0010 U	0.0012 U	0.0010 U	0.00073 U	0.00087 U	0.00077 U
Bromomethane	NA	0.00093 U	0.00075 U	0.0012 U	0.00057 U	0.00094 U	0.00069 U	0.00064 U	0.0011 U	0.00076 U	0.0010 U	0.0012 U	0.0010 U	0.00073 U	0.00087 U	0.00077 U
Carbon disulfide	NA	0.00093 U	0.00075 U	0.0012 U	0.00057 U	0.00094 U	0.00069 U	0.00064 U	0.0011 U	0.00076 U	0.0010 U	0.0012 U	0.0010 U	0.00073 U	0.00087 U	0.00077 U
Carbon tetrachloride	0.76	0.00093 U	0.00075 U	0.0012 U	0.00057 U	0.00094 U	0.00069 U	0.00064 U	0.0011 U	0.00076 U	0.0010 U	0.0012 U	0.0010 U	0.00073 U	0.00087 U	0.00077 U
Chlorobenzene	1.1	0.00093 U	0.00075 U	0.0012 U	0.00057 U	0.00094 U	0.00069 U	0.00064 U	0.0011 U	0.00076 U	0.0010 U	0.0012 U	0.0010 U	0.00073 U	0.00087 U	0.00077 U
Chloroethane	NA	0.00093 U	0.00075 U	0.0012 U	0.00057 U	0.00094 U	0.00069 U	0.00064 U	0.0011 U	0.00076 U	0.0010 U	0.0012 U	0.0010 U	0.00073 U	0.00087 U	0.00077 U
Chloroform	0.37	0.00093 U	0.00075 U	0.0012 U	0.00057 U	0.00094 U	0.00069 U	0.00064 U	0.0011 U	0.00076 U	0.0010 U	0.0012 U	0.0010 U	0.00073 U	0.00087 U	0.00077 U
Chloromethane	NA	0.00093 U	0.00075 U	0.0012 U	0.00057 U	0.00094 U	0.00069 U	0.00064 U	0.0011 U	0.00076 U	0.0010 U	0.0012 U	0.0010 U	0.00073 U	0.00087 U	0.00077 U
cis-1,2-Dichloroethene	0.25	0.00093 U	0.00075 U	0.0012 U	0.00057 U	0.00094 U	0.00069 U	0.00064 U	0.0011 U	0.00076 U	0.0010 U	0.0012 U	0.0010 U	0.00073 U	0.00087 U	0.00077 U
cis-1,3-Dichloropropene	NA	0.00093 U	0.00075 U	0.0012 U	0.00057 U	0.00094 U	0.00069 U	0.00064 U	0.0011 U	0.00076 U	0.0010 U	0.0012 U	0.0010 U	0.00073 U	0.00087 U	0.00077 U
Cyclohexane	NA	0.00093 U	0.00075 U	0.0012 U	0.00057 U	0.00094 U	0.00069 U	0.00064 U	0.0011 U	0.00076 U	0.0010 U	0.0012 U	0.0010 U	0.00073 U	0.00087 U	0.00077 U
Dibromochloromethane	NA	0.00093 U	0.00075 U	0.0012 U	0.00057 U	0.00094 U	0.00069 U	0.00064 U	0.0011 U	0.00076 U	0.0010 U	0.0012 U	0.0010 U	0.00073 U	0.00087 U	0.00077 U
Dichlorodifluoromethane	NA	0.00093 U	0.00075 U	0.0012 U	0.00057 U	0.00094 U	0.00069 U	0.00064 U	0.0011 U	0.00076 U	0.0010 U	0.0012 U	0.0010 U	0.00073 U	0.00087 U	0.00077 U
Ethylbenzene	1	0.00093 U	0.00075 U	0.0012 U	0.00057 U	0.00094 U	0.00069 U	0.00064 U	0.0011 U	0.00076 U	0.0010 U	0.0012 U	0.0010 U	0.00073 U	0.00087 U	0.00077 U
Freon 113	NA	0.00093 U	0.00075 U	0.0012 U	0.00057 U	0.00094 U	0.00069 U	0.00064 U	0.0011 U	0.00076 U	0.0010 U	0.0012 U	0.0010 U	0.00073 U	0.00087 U	0.00077 U
Isopropylbenzene	NA	0.00093 U	0.00075 U	0.0012 U	0.00057 U	0.00094 U	0.00069 U	0.00064 U	0.0011 U	0.00076 U	0.0010 U	0.0012 U	0.0010 U	0.00073 U	0.00087 U	0.00077 U
m&p-Xylene	0.26	0.0019 U	0.0015 U	0.0024 U	0.0011 U	0.0019 U	0.0014 U	0.0013 U	0.0022 U	0.0015 U	0.0021 U	0.0023 U	0.0020 U	0.0015 U	0.0017 U	0.0015 U
Methyl acetate	NA	0.00093 U	0.00075 U	0.0012 U	0.00057 U	0.00094 U	0.00069 U	0.00064 U	0.0011 U	0.00076 U	0.0010 U	0.0012 U	0.0010 U	0.00073 U	0.00087 U	0.00077 U
Methylcyclohexane	NA	0.00093 U	0.00075 U	0.0012 U	0.00057 U	0.00094 U	0.00069 U	0.00064 U	0.0011 U	0.00076 U	0.0010 U	0.0012 U	0.0010 U	0.00073 U	0.00087 U	0.00077 U
Methylene Chloride	0.05	0.00039 J B	0.00023 J B	0.0012 U	0.00057 U	0.00094 U	0.00069 U	0.00064 U	0.0011 U	0.00076 U	0.0010 U	0.0012 U	0.0010 U	0.00073 U	0.00087 U	0.00077 U
MTBE	0.93	0.00093 U	0.00075 U	0.0012 U	0.00057 U	0.00094 U	0.00069 U	0.00064 U	0.0011 U	0.00076 U	0.0010 U	0.0012 U	0.0010 U	0.00073 U	0.00087 U	0.00

Notes
J : Indicates an estimated value.
J B : The analyte was found in an associated blank, as well as in the sample.
J N : Indicates an estimated value.
U : Analyzed for but not detected.
Total xylenes SCO utilized for all isomers
Highlighted / bolded indicates analyte exceeded above its respective NYSDEC Unrestricted SCO.
NA - Not Available



Table 4-4
TCL VOCs Soil Analytical Data
Former Emulsion and Silver Handling Areas

TCL VOCs (mg/kg)	NYSDEC Unrestricted SCO	Soil Samples Former Emulsion and Silver Handling Areas								
		ER-12			ER-13			ER-14		
		(0.5-1.0')	(3.0-3.5')	(6.5-7.0')	(0.5-1.0')	(2.0-2.5')	(6.0-6.5')	(0.5-1.0')	(4.0-4.5')	(6.5-7.0')
1,1,1-Trichloroethane	0.68	0.00068 U	0.00075 U	0.00063 U	0.0010 U	0.00082 U	0.00062 U	0.00079 U	0.00088 U	0.00093 U
1,1,2,2-Tetrachloroethane	NA	0.00068 U	0.00075 U	0.00063 U	0.0010 U	0.00082 U	0.00062 U	0.00079 U	0.00088 U	0.00093 U
1,1,2-Trichloroethane	NA	0.00068 U	0.00075 U	0.00063 U	0.0010 U	0.00082 U	0.00062 U	0.00079 U	0.00088 U	0.00093 U
1,1-Dichloroethane	0.27	0.00068 U	0.00075 U	0.00063 U	0.0010 U	0.00082 U	0.00062 U	0.00079 U	0.00088 U	0.00093 U
1,1-Dichloroethene	0.33	0.00068 U	0.00075 U	0.00063 U	0.0010 U	0.00082 U	0.00062 U	0.00079 U	0.00088 U	0.00093 U
1,2,3-Trichlorobenzene	NA	0.00068 U	0.00075 U	0.00063 U	0.0010 U	0.00082 U	0.00062 U	0.00079 U	0.00088 U	0.00093 U
1,2,4-Trichlorobenzene	NA	0.00068 U	0.00075 U	0.00063 U	0.0010 U	0.00082 U	0.00062 U	0.00079 U	0.00088 U	0.00093 U
1,2-Dibromo-3-Chloropropane	NA	0.00068 U	0.00075 U	0.00063 U	0.0010 U	0.00082 U	0.00062 U	0.00079 U	0.00088 U	0.00093 U
1,2-Dibromoethane	NA	0.00068 U	0.00075 U	0.00063 U	0.0010 U	0.00082 U	0.00062 U	0.00079 U	0.00088 U	0.00093 U
1,2-Dichlorobenzene	1.1	0.00068 U	0.00075 U	0.00063 U	0.0010 U	0.00082 U	0.00062 U	0.00079 U	0.00088 U	0.00093 U
1,2-Dichloroethane	0.02	0.00068 U	0.00075 U	0.00063 U	0.0010 U	0.00082 U	0.00062 U	0.00079 U	0.00088 U	0.00093 U
1,2-Dichloropropane	NA	0.00068 U	0.00075 U	0.00063 U	0.0010 U	0.00082 U	0.00062 U	0.00079 U	0.00088 U	0.00093 U
1,3-Dichlorobenzene	2.4	0.00068 U	0.00075 U	0.00063 U	0.0010 U	0.00082 U	0.00062 U	0.00079 U	0.00088 U	0.00093 U
1,4-Dichlorobenzene	1.8	0.00068 U	0.00075 U	0.00063 U	0.0010 U	0.00082 U	0.00062 U	0.00079 U	0.00088 U	0.00093 U
1,4-Dioxane	0.1	0.034 U	0.037 U	0.032 U	0.050 U	0.041 U	0.031 U	0.040 U	0.044 U	0.046 U
2-Butanone (MEK)	0.12	0.0068 U	0.0075 U	0.0063 U	0.010 U	0.0082 U	0.0062 U	0.0079 U	0.0088 U	0.0093 U
2-Hexanone	NA	0.0068 U	0.0075 U	0.0063 U	0.010 U	0.0082 U	0.0062 U	0.0079 U	0.0088 U	0.0093 U
4-Methyl-2-pentanone	NA	0.0068 U	0.0075 U	0.0063 U	0.010 U	0.0082 U	0.0062 U	0.0079 U	0.0088 U	0.0093 U
Acetone	0.05	0.0068 U	0.0075 U	0.0063 U	0.010 U	0.0082 U	0.0062 U	0.0079 U	0.0088 U	0.0093 U
Benzene	0.06	0.00068 U	0.00075 U	0.00063 U	0.0010 U	0.00082 U	0.00062 U	0.00079 U	0.00088 U	0.00093 U
Bromochloromethane	NA	0.00068 U	0.00075 U	0.00063 U	0.0010 U	0.00082 U	0.00062 U	0.00079 U	0.00088 U	0.00093 U
Bromodichloromethane	NA	0.00068 U	0.00075 U	0.00063 U	0.0010 U	0.00082 U	0.00062 U	0.00079 U	0.00088 U	0.00093 U
Bromoform	NA	0.00068 U	0.00075 U	0.00063 U	0.0010 U	0.00082 U	0.00062 U	0.00079 U	0.00088 U	0.00093 U
Bromomethane	NA	0.00068 U	0.00075 U	0.00063 U	0.0010 U	0.00082 U	0.00062 U	0.00079 U	0.00088 U	0.00093 U
Carbon disulfide	NA	0.00068 U	0.00075 U	0.00063 U	0.0010 U	0.00082 U	0.00062 U	0.00079 U	0.00088 U	0.00093 U
Carbon tetrachloride	0.76	0.00068 U	0.00075 U	0.00063 U	0.0010 U	0.00082 U	0.00062 U	0.00079 U	0.00088 U	0.00093 U
Chlorobenzene	1.1	0.00068 U	0.00075 U	0.00063 U	0.0010 U	0.00082 U	0.00062 U	0.00079 U	0.00088 U	0.00093 U
Chloroethane	NA	0.00068 U	0.00075 U	0.00063 U	0.0010 U	0.00082 U	0.00062 U	0.00079 U	0.00088 U	0.00093 U
Chloroform	0.37	0.00068 U	0.00075 U	0.00063 U	0.0010 U	0.00082 U	0.00062 U	0.00079 U	0.00088 U	0.00093 U
Chloromethane	NA	0.00068 U	0.00075 U	0.00063 U	0.0010 U	0.00082 U	0.00062 U	0.00079 U	0.00088 U	0.00093 U
cis-1,2-Dichloroethene	0.25	0.00068 U	0.00075 U	0.00063 U	0.0010 U	0.00082 U	0.00062 U	0.00079 U	0.00088 U	0.00093 U
cis-1,3-Dichloropropene	NA	0.00068 U	0.00075 U	0.00063 U	0.0010 U	0.00082 U	0.00062 U	0.00079 U	0.00088 U	0.00093 U
Cyclohexane	NA	0.00068 U	0.00075 U	0.00063 U	0.0010 U	0.00082 U	0.00062 U	0.00079 U	0.00088 U	0.00093 U
Dibromochloromethane	NA	0.00068 U	0.00075 U	0.00063 U	0.0010 U	0.00082 U	0.00062 U	0.00079 U	0.00088 U	0.00093 U
Dichlorodifluoromethane	NA	0.00068 U	0.00075 U	0.00063 U	0.0010 U	0.00082 U	0.00062 U	0.00079 U	0.00088 U	0.00093 U
Ethylbenzene	1	0.00068 U	0.00075 U	0.00063 U	0.0010 U	0.00082 U	0.00062 U	0.00079 U	0.00088 U	0.00093 U
Freon 113	NA	0.00068 U	0.00075 U	0.00063 U	0.0010 U	0.00082 U	0.00062 U	0.00079 U	0.00088 U	0.00093 U
Isopropylbenzene	NA	0.00068 U	0.00075 U	0.00063 U	0.0010 U	0.00082 U	0.00062 U	0.00079 U	0.00088 U	0.00093 U
m&p-Xylene	0.26	0.0014 U	0.0015 U	0.0013 U	0.0020 U	0.0016 U	0.0012 U	0.0016 U	0.0018 U	0.0019 U
Methyl acetate	NA	0.00068 U	0.00075 U	0.00063 U	0.0010 U	0.00082 U	0.00062 U	0.00079 U	0.00088 U	0.00093 U
Methylcyclohexane	NA	0.00068 U	0.00075 U	0.00063 U	0.0010 U	0.00082 U	0.00010 J	0.00079 U	0.00088 U	0.00093 U
Methylene Chloride	0.05	0.00068 U	0.00075 U	0.00063 U	0.0010 U	0.00082 U	0.00062 U	0.00079 U	0.00088 U	0.00093 U
MTBE	0.93	0.00068 U	0.00075 U	0.00063 U	0.0010 U	0.00082 U	0.00062 U	0.00079 U	0.00088 U	0.00093 U
o-Xylene	0.26	0.00068 U	0.00075 U	0.00063 U	0.0010 U	0.00082 U	0.00062 U	0.00079 U	0.00088 U	0.00093 U
Styrene	NA	0.00068 U	0.00075 U	0.00063 U	0.0010 U	0.00082 U	0.00062 U	0.00079 U	0.00088 U	0.00093 U
Tetrachloroethene	1.3	0.00023 J	0.00075 U	0.00063 U	0.0010 U	0.00082 U	0.00062 U	0.00079 U	0.00088 U	0.00093 U
Toluene	0.7	0.00068 U	0.00017 J	0.00063 U	0.00025 J	0.00022 J	0.00017 J	0.00079 U	0.00015 J	0.00093 U
trans-1,2-Dichloroethene	0.19	0.00068 U	0.00075 U	0.00063 U	0.0010 U	0.00082 U	0.00062 U	0.00079 U	0.00088 U	0.00093 U
trans-1,3-Dichloropropene	NA	0.00068 U	0.00075 U	0.00063 U	0.0010 U	0.00082 U	0.00062 U	0.00079 U	0.00088 U	0.00093 U
Trichloroethene	0.47	0.00068 U	0.00075 U	0.00063 U	0.0010 U	0.00082 U	0.00062 U	0.00079 U	0.00088 U	0.00093 U
Trichlorofluoromethane	NA	0.00068 U	0.00075 U	0.00063 U	0.0010 U	0.00082 U	0.00062 U	0.00079 U	0.00088 U	0.00093 U
Vinyl chloride	0.02	0.00068 U	0.00075 U	0.00063 U	0.0010 U	0.00082 U	0.00062 U	0.00079 U	0.00088 U	0.00093 U
Xylenes, Total	0.26	0.00068 U	0.00075 U	0.00063 U	0.0010 U	0.00082 U	0.00062 U	0.00046 J	0.00088 U	0.00093 U
Naphthalene	12	0.0020 U	0.0022 U	0.0019 U	0.0030 U	0.0025 U	0.0018 U	0.0024 U	0.0026 U	0.0028 U

Notes

J : Indicates an estimated value.

J B : The analyte was found in an associated blank, as well as in the sample.

J N : Indicates an estimated value.

U : Analyzed for but not detected.

U * : LCS or LCSD exceeds the control limits

Total xylenes SCO utilized for all isomers

Highlighted / bolded indicates analyte exceeded above its respective NYSDEC Unrestricted SCO.

NA - Not Available



Table 4-5
Soil TCL SVOC Analytical Data
Former Emulsion and Silver Handling Areas

TCL SVOCs (mg/kg)	NYSDEC Unrestricted SCO	Soil Samples Former Emulsion and Silver Handling Areas																	
		ER-1	ER-2	ER-3	ER-4	ER-5			ER-6	ER-7			ER-8	ER-9	ER-10	ER-11	ER-12		
		(0.5-1.0')	(0.5-1.0')	(0.5-1.0')	(0.5-1.0')	(0.5-1.0')	(4.0-4.5')	(7.0-7.5')	(0.5-1.0')	(0.5-1.0')	(4.0-4.5')	(6.5-7.0')	(0.5-1.0')	(0.5-1.0')	(0.5-1.0')	(0.5-1.0')	(0.5-1.0')	(0.5-1.0')	(3.0-3.5')
1,2,4,5-Tetrachlorobenzene	NA	0.34 U	0.36 U	0.36 U	0.35 U	0.38 U	0.34 U	0.34 U	0.36 U	0.34 U	0.37 U	0.34 U	0.34 U	0.36 U	0.35 U	0.34 U	0.69 U	0.35 U	0.35 U R
1,4-Dioxane	0.1	0.34 U	0.36 U	0.36 U	0.35 U	0.38 U	0.34 U	0.34 U	0.36 U	0.34 U	0.37 U	0.34 U	0.34 U	0.36 U	0.35 U	0.34 U	0.69 U	0.35 U	0.35 U
2,2'-oxybis[1-chloropropane]	NA	0.34 U	0.36 U	0.36 U	0.35 U	0.38 U	0.34 U	0.34 U	0.36 U	0.34 U	0.37 U	0.34 U	0.34 U	0.36 U	0.35 U	0.34 U	0.69 U	0.35 U	0.35 U
2,3,4,6-Tetrachlorophenol	NA	0.34 U	0.36 U	0.36 U	0.35 U	0.38 U	0.34 U	0.34 U	0.36 U	0.34 U	0.37 U	0.34 U	0.34 U	0.36 U	0.35 U	0.34 U	0.69 U	0.35 U	0.35 U R
2,4,5-Trichlorophenol	NA	0.34 U	0.36 U	0.36 U	0.35 U	0.38 U	0.34 U	0.34 U	0.36 U	0.34 U	0.37 U	0.34 U	0.34 U	0.36 U	0.35 U	0.34 U	0.69 U	0.35 U	0.35 U
2,4,6-Trichlorophenol	NA	0.34 U	0.36 U	0.36 U	0.35 U	0.38 U	0.34 U	0.34 U	0.36 U	0.34 U	0.37 U	0.34 U	0.34 U	0.36 U	0.35 U	0.34 U	0.69 U	0.35 U	0.35 U
2,4-Dichlorophenol	NA	0.34 U	0.36 U	0.36 U	0.35 U	0.38 U	0.34 U	0.34 U	0.36 U	0.34 U	0.37 U	0.34 U	0.34 U	0.36 U	0.35 U	0.34 U	0.69 U	0.35 U	0.35 U
2,4-Dimethylphenol	NA	0.34 U	0.36 U	0.36 U	0.35 U	0.38 U	0.34 U	0.34 U	0.36 U	0.34 U	0.37 U	0.34 U	0.34 U	0.36 U	0.35 U	0.34 U	0.69 U	0.35 U	0.35 U
2,4-Dinitrophenol	NA	1.0 U	1.1 U	1.1 U	1.1 U	1.1 U	1.0 U	1.0 U	1.1 U	1.0 U	1.1 U	1.0 U	1.0 U	1.1 U	1.1 U	1.0 U	2.1 U	1.1 U	1.1 U
2,4-Dinitrotoluene	NA	0.070 U	0.072 U	0.074 U	0.071 U	0.077 U	0.068 U	0.068 U	0.073 U	0.070 U	0.076 U	0.068 U	0.069 U	0.072 U	0.072 U	0.070 U	0.14 U	0.071 U	0.071 U
2,6-Dinitrotoluene	NA	0.070 U	0.072 U	0.074 U	0.071 U	0.077 U	0.068 U	0.068 U	0.073 U	0.070 U	0.076 U	0.068 U	0.069 U	0.072 U	0.072 U	0.070 U	0.14 U	0.071 U	0.071 U
2-Chloronaphthalene	NA	0.34 U	0.36 U	0.36 U	0.35 U	0.38 U	0.34 U	0.34 U	0.36 U	0.34 U	0.37 U	0.34 U	0.34 U	0.36 U	0.35 U	0.34 U	0.69 U	0.35 U	0.35 U
2-Chlorophenol	NA	0.34 U	0.36 U	0.36 U	0.35 U	0.38 U	0.34 U	0.34 U	0.36 U	0.34 U	0.37 U	0.34 U	0.34 U	0.36 U	0.35 U	0.34 U	0.69 U	0.35 U	0.35 U
2-Methylnaphthalene	NA	0.34 U	0.36 U	0.36 U	0.35 U	0.38 U	0.34 U	0.34 U	0.36 U	0.34 U	0.37 U	0.34 U	0.34 U	0.069 J	0.35 U	0.34 U	0.69 U	0.35 U	0.35 U
2-Methylphenol	0.33	0.34 U	0.36 U	0.36 U	0.35 U	0.38 U	0.34 U	0.34 U	0.36 U	0.34 U	0.37 U	0.34 U	0.34 U	0.36 U	0.35 U	0.34 U	0.69 U	0.35 U	0.35 U
2-Nitroaniline	NA	0.70 U	0.72 U	0.74 U	0.71 U	0.77 U	0.68 U	0.68 U	0.73 U	0.70 U	0.76 U	0.68 U	0.69 U	0.72 U	0.72 U	0.70 U	1.4 U	0.71 U	0.71 U
2-Nitrophenol	NA	0.34 U	0.36 U	0.36 U	0.35 U	0.38 U	0.34 U	0.34 U	0.36 U	0.34 U	0.37 U	0.34 U	0.34 U	0.36 U	0.35 U	0.34 U	0.69 U	0.35 U	0.35 U
3,3'-Dichlorobenzidine	NA	0.70 U	0.72 U	0.74 U	0.71 U	0.77 U	0.68 U	0.68 U	0.73 U	0.70 U	0.76 U	0.68 U	0.69 U	0.72 U	0.72 U	0.70 U	1.4 U	0.71 U	0.71 U
3-Nitroaniline	NA	0.70 U	0.72 U	0.74 U	0.71 U	0.77 U	0.68 U	0.68 U	0.73 U	0.70 U	0.76 U	0.68 U	0.69 U	0.72 U	0.72 U	0.70 U	1.4 U	0.71 U	0.71 U
4,6-Dinitro-2-methylphenol	NA	1.0 U	1.1 U	1.1 U	1.1 U	1.1 U	1.0 U	1.0 U	1.1 U	1.0 U	1.1 U	1.0 U	1.0 U	1.1 U	1.1 U	1.0 U	2.1 U	1.1 U	1.1 U
4-Bromophenyl phenyl ether	NA	0.34 U	0.36 U	0.36 U	0.35 U	0.38 U	0.34 U	0.34 U	0.36 U	0.34 U	0.37 U	0.34 U	0.34 U	0.36 U	0.35 U	0.34 U	0.69 U	0.35 U	0.35 U
4-Chloro-3-methylphenol	NA	0.34 U	0.36 U	0.36 U	0.35 U	0.38 U	0.34 U	0.34 U	0.36 U	0.34 U	0.37 U	0.34 U	0.34 U	0.36 U	0.35 U	0.34 U	0.69 U	0.35 U	0.35 U
4-Chloroaniline	NA	0.34 U	0.36 U	0.36 U	0.35 U	0.38 U	0.34 U	0.34 U	0.36 U	0.34 U	0.37 U	0.34 U	0.34 U	0.36 U	0.35 U	0.34 U	0.69 U	0.35 U	0.35 U
4-Chlorophenyl phenyl ether	NA	0.34 U	0.36 U	0.36 U	0.35 U	0.38 U	0.34 U	0.34 U	0.36 U	0.34 U	0.37 U	0.34 U	0.34 U	0.36 U	0.35 U	0.34 U	0.69 U	0.35 U	0.35 U
4-Methylphenol	0.33	0.34 U	0.36 U	0.36 U	0.35 U	0.38 U	0.34 U	0.34 U	0.36 U	0.34 U	0.37 U	0.34 U	0.34 U	0.36 U	0.35 U	0.34 U	0.69 U	0.35 U	0.35 U
4-Nitroaniline	NA	0.70 U	0.72 U	0.74 U	0.71 U	0.77 U	0.68 U	0.68 U	0.73 U	0.70 U	0.76 U	0.68 U	0.69 U	0.72 U	0.72 U	0.70 U	1.4 U	0.71 U	0.71 U
4-Nitrophenol	NA	1.0 U	1.1 U	1.1 U	1.1 U	1.1 U	1.0 U	1.0 U	1.1 U	1.0 U	1.1 U	1.0 U	1.0 U	1.1 U	1.1 U	1.0 U	2.1 U	1.1 U	1.1 U
Acenaphthene	20	0.34 U	0.36 U	0.36 U	0.35 U	0.38 U	0.34 U	0.34 U	0.36 U	0.34 U	0.37 U	0.34 U	0.34 U	0.29 J	0.35 U	0.34 U	0.69 U	0.057 J	0.35 U
Acenaphthylene	100	0.34 U	0.36 U	0.36 U	0.35 U	0.38 U	0.34 U	0.34 U	0.36 U	0.34 U	0.37 U	0.34 U	0.34 U	0.060 J	0.35 U	0.34 U	0.69 U	0.35 U	0.35 U
Acetophenone	NA	0.34 U	0.36 U	0.36 U	0.35 U	0.38 U	0.34 U	0.34 U	0.36 U	0.34 U	0.37 U	0.34 U	0.34 U	0.36 U	0.35 U	0.34 U	0.69 U	0.35 U	0.35 U
Anthracene	100	0.34 U	0.36 U	0.36 U	0.35 U	0.38 U	0.34 U	0.34 U	0.054 J	0.34 U	0.37 U	0.34 U	0.34 U	0.79	0.15 J	0.34 U	0.69 U	0.10 J	0.35 U
Atrazine	NA	0.34 U	0.36 U	0.36 U	0.35 U	0.38 U	0.34 U	0.34 U	0.36 U	0.34 U	0.37 U	0.34 U	0.34 U	0.36 U	0.35 U	0.34 U	0.69 U	0.35 U	0.35 U
Benzaldehyde	NA	0.34 U	0.36 U	0.36 U	0.35 U	0.38 U	0.34 U	0.34 U	0.36 U	0.34 U	0.37 U	0.34 U	0.34 U	0.36 U	0.35 U	0.34 U	0.69 U	0.35 U	0.35 U
Benzo[a]anthracene	1	0.040	0.029 J	0.036 U	0.035 U	0.096	0.034 U	0.034 U	0.29	0.034 U	0.045	0.034 U	0.034 U	2.2	0.46	0.034 U	0.069 U	0.37	0.035 U
Benzo[a]pyrene	1	0.034 U	0.036 U	0.036 U	0.035 U	0.11	0.034 U	0.034 U	0.33	0.034 U	0.037 U	0.034 U	0.034 U	2.3	0.49	0.034 U	0.026 J	0.35	0.035 U
Benzo[b]fluoranthene	1	0.034 U	0.036 U	0.036 U	0.035 U	0.15	0.034 U	0.034 U	0.43	0.034 U	0.037 U	0.034 U	0.034 U	2.7	0.59	0.034 U	0.022 J	0.41	0.035 U
Benzo[g,h,i]perylene	100	0.34 U	0.36 U	0.36 U	0.35 U	0.085 J	0.34 U	0.34 U	0.23 J	0.34 U	0.37 U	0.34 U	0.34 U	1.7	0.36	0.34 U	0.69 U	0.29 J	0.35 U
Benzo[k]fluoranthene	0.8	0.034 U	0.036 U	0.036 U	0.035 U	0.049	0.034 U	0.034 U	0.13	0.034 U	0.037 U	0.034 U	0.034 U	0.88	0.22	0.034 U	0.069 U	0.17	0.035 U
Bis(2-chloroethoxy)methane	NA	0.34 U	0.36 U	0.36 U	0.35 U	0.38 U	0.34 U	0.34 U	0.36 U	0.34 U	0.37 U	0.34 U	0.34 U	0.36 U	0.35 U	0.34 U	0.69 U	0.35 U	0.35 U
Bis(2-chloroethyl)ether	NA	0.034 U	0.036 U	0.036 U	0.035 U	0.038 U	0.034 U	0.034 U	0.036 U	0.034 U	0.037 U	0.034 U	0.034 U	0.036 U	0.035 U	0.034 U	0.069 U	0.035 U	0.035 U
Bis(2-ethylhexyl) phthalate	NA	0.34 U	0.36 U	0.36 U	0.35 U	0.23 J	0.34 U	0.34 U	0.36 U	0.34 U	0.26 J	0.34 U	0.34 U	0.29 J	0.35 U	0.34 U	13	6.9	0.35 U
Butyl benzyl phthalate	NA	0.34 U	0.36 U	0.36 U	0.35 U														

Table 4-5
Soil TCL SVOC Analytical Data
Former Emulsion and Silver Handling Areas

TCL SVOCs (mg/kg)	NYSDEC Unrestricted SCO	Soil Samples Former Emulsion and Silver Handling Areas					
		ER-13			ER-14		
		(0.5-1.0')	(2.0-2.5')	(6.0-6.5')	(0.5-1.0')	(4.0-4.5')	(6.5-7.0')
1,2,4,5-Tetrachlorobenzene	NA	0.37 U R	0.36 U R	1.8 U R	0.34 U R	0.38 U R	0.40 U R
1,4-Dioxane	0.1	0.37 U	0.36 U	1.8 U	0.34 U	0.38 U	0.40 U
2,2'-oxybis[1-chloropropane]	NA	0.37 U	0.36 U	1.8 U	0.34 U	0.38 U	0.40 U
2,3,4,6-Tetrachlorophenol	NA	0.37 U R	0.36 U R	1.8 U R	0.34 U R	0.38 U R	0.40 U R
2,4,5-Trichlorophenol	NA	0.37 U	0.36 U	1.8 U	0.34 U	0.38 U	0.40 U
2,4,6-Trichlorophenol	NA	0.37 U	0.36 U	1.8 U	0.34 U	0.38 U	0.40 U
2,4-Dichlorophenol	NA	0.37 U	0.36 U	1.8 U	0.34 U	0.38 U	0.40 U
2,4-Dimethylphenol	NA	0.37 U	0.36 U	1.8 U	0.34 U	0.38 U	0.40 U
2,4-Dinitrophenol	NA	1.1 U	1.1 U	5.5 U	1.0 U	1.2 U	1.2 U
2,4-Dinitrotoluene	NA	0.076 U	0.072 U	0.37 U	0.069 U	0.077 U	0.080 U
2,6-Dinitrotoluene	NA	0.076 U	0.072 U	0.37 U	0.069 U	0.077 U	0.080 U
2-Chloronaphthalene	NA	0.37 U	0.36 U	1.8 U	0.34 U	0.38 U	0.40 U
2-Chlorophenol	NA	0.37 U	0.36 U	1.8 U	0.34 U	0.38 U	0.40 U
2-Methylnaphthalene	NA	0.37 U	0.36 U	1.8 U	0.34 U	0.38 U	0.40 U
2-Methylphenol	0.33	0.37 U	0.36 U	1.8 U	0.34 U	0.38 U	0.40 U
2-Nitroaniline	NA	0.76 U	0.72 U	3.7 U	0.69 U	0.77 U	0.80 U
2-Nitrophenol	NA	0.37 U	0.36 U	1.8 U	0.34 U	0.38 U	0.40 U
3,3'-Dichlorobenzidine	NA	0.76 U	0.72 U	3.7 U	0.69 U	0.77 U	0.80 U
3-Nitroaniline	NA	0.76 U	0.72 U	3.7 U	0.69 U	0.77 U	0.80 U
4,6-Dinitro-2-methylphenol	NA	1.1 U	1.1 U	5.5 U	1.0 U	1.2 U	1.2 U
4-Bromophenyl phenyl ether	NA	0.37 U	0.36 U	1.8 U	0.34 U	0.38 U	0.40 U
4-Chloro-3-methylphenol	NA	0.37 U	0.36 U	1.8 U	0.34 U	0.38 U	0.40 U
4-Chloroaniline	NA	0.37 U	0.36 U	1.8 U	0.34 U	0.38 U	0.40 U
4-Chlorophenyl phenyl ether	NA	0.37 U	0.36 U	1.8 U	0.34 U	0.38 U	0.40 U
4-Methylphenol	0.33	0.37 U	0.36 U	1.8 U	0.34 U	0.38 U	0.40 U
4-Nitroaniline	NA	0.76 U	0.72 U	3.7 U	0.69 U	0.77 U	0.80 U
4-Nitrophenol	NA	1.1 U	1.1 U	5.5 U	1.0 U	1.2 U	1.2 U
Acenaphthene	20	0.073 J	0.36 U	0.36 J	0.34 U	0.38 U	0.40 U
Acenaphthylene	100	0.37 U	0.36 U	1.8 U	0.34 U	0.38 U	0.40 U
Acetophenone	NA	0.37 U	0.36 U	1.8 U	0.34 U	0.38 U	0.40 U
Anthracene	100	0.17 J	0.36 U	1.1 J	0.34 U	0.38 U	0.40 U
Atrazine	NA	0.37 U	0.36 U	1.8 U	0.34 U	0.38 U	0.40 U
Benzaldehyde	NA	0.37 U	0.36 U	1.8 U	0.34 U	0.38 U	0.40 U
Benzo[a]anthracene	1	0.54	0.15	5.8	0.054	0.039	0.040 U
Benzo[a]pyrene	1	0.51	0.16	5.6	0.049	0.038 U	0.040 U
Benzo[b]fluoranthene	1	0.69	0.19	6.2	0.068	0.038 U	0.040 U
Benzo[g,h,i]perylene	100	0.28 J	0.083 J	3.3	0.025 J	0.38 U	0.40 U
Benzo[k]fluoranthene	0.8	0.27	0.071	2.9	0.020 J	0.038 U	0.040 U
Bis(2-chloroethoxy)methane	NA	0.37 U	0.36 U	1.8 U	0.34 U	0.38 U	0.40 U
Bis(2-chloroethyl)ether	NA	0.037 U	0.036 U	0.18 U	0.034 U	0.038 U	0.040 U
Bis(2-ethylhexyl) phthalate	NA	0.37 U	0.36 U	1.8 U	0.34 U	0.38 U	0.40 U
Butyl benzyl phthalate	NA	0.37 U	0.36 U	1.8 U	0.34 U	0.38 U	0.40 U
Caprolactam	NA	0.37 U	0.36 U	1.8 U	0.34 U	0.38 U	0.40 U
Carbazole	NA	0.074 J	0.36 U	0.35 J	0.34 U	0.38 U	0.40 U
Chrysene	1	0.62	0.15 J	6.7	0.051 J	0.38 U	0.40 U
Dibenz(a,h)anthracene	0.33	0.060	0.036 U	0.21	0.034 U	0.038 U	0.040 U
Dibenzofuran	7	0.37 U	0.36 U	0.27 J	0.34 U	0.38 U	0.40 U
Diethyl phthalate	NA	0.37 U	0.36 U	1.8 U	0.34 U	0.38 U	0.40 U
Dimethyl phthalate	NA	0.37 U	0.36 U	1.8 U	0.34 U	0.38 U	0.40 U
Di-n-butyl phthalate	NA	0.37 U	0.36 U	1.8 U	0.34 U	0.38 U	0.40 U
Di-n-octyl phthalate	NA	0.37 U	0.36 U	1.8 U	0.34 U	0.38 U	0.40 U
Diphenyl	NA	0.37 U	0.36 U	1.8 U	0.34 U	0.38 U	0.40 U
Fluoranthene	100	1.3	0.31 J	12	0.090 J	0.072 J	0.40 U
Fluorene	30	0.051 J	0.36 U	0.26 J	0.34 U	0.38 U	0.40 U
Hexachlorobenzene	0.33	0.037 U	0.036 U	0.18 U	0.034 U	0.038 U	0.040 U
Hexachlorobutadiene	NA	0.076 U	0.072 U	0.37 U	0.069 U	0.077 U	0.080 U
Hexachlorocyclopentadiene	NA	0.37 U	0.36 U	1.8 U	0.34 U	0.38 U	0.40 U
Hexachloroethane	NA	0.037 U	0.036 U	0.18 U	0.034 U	0.038 U	0.040 U
Indeno[1,2,3-cd]pyrene	0.5	0.32	0.10	3.6	0.034 U	0.038 U	0.040 U
Isophorone	NA	0.37 U	0.36 U	1.8 U	0.34 U	0.38 U	0.40 U
Naphthalene	12	0.37 U	0.36 U	0.25 J	0.34 U	0.38 U	0.40 U
Nitrobenzene	NA	0.037 U	0.036 U	0.18 U	0.034 U	0.038 U	0.040 U
N-Nitrosodi-n-propylamine	NA	0.037 U	0.036 U	0.18 U	0.034 U	0.038 U	0.040 U
N-Nitrosodiphenylamine	NA	0.37 U	0.36 U	1.8 U	0.34 U	0.38 U	0.40 U
Pentachlorophenol	0.8	1.1 U	1.1 U	5.5 U	1.0 U	1.2 U	1.2 U
Phenanthrene	100	1.0	0.22 J	9.8	0.057 J	0.063 J	0.40 U
Phenol	0.33	0.37 U	0.36 U	1.8 U	0.25 J	0.38 U	0.40 U
Pyrene	100	1.2	0.30 J	15	0.10 J	0.087 J	0.40 U
Pyridine	NA	0.37 U	0.36 U	1.8 U	0.34 U	0.38 U	0.40 U

Notes

ND: TIC not detected

J : Indicates an estimated value.

J N : This flag indicates the presumptive evidence of a compound.

U : Analyzed for but not detected.

U R : Indicates that value is rejected based upon DUSR review by third party data validator.

Highlighted / bolded indicates analyte exceeded above its respective NYSDEC Unrestricted SCO.

NA - Not Available



Table 4-6
TAL Metals Soil Analytical Data
Former Emulsion and Silver Handling Areas

TAL Metals (mg/kg)	NYSDEC Unrestricted SCO	Soil Samples Former Emulsion and Silver Handling Areas										
		ER-1	ER-2	ER-3	ER-4	ER-5			ER-6	ER-7		
		(0.5-1.0')	(0.5-1.0')	(0.5-1.0')	(0.5-1.0')	(0.5-1.0')	(4.0-4.5')	(7.0-7.5')	(0.5-1.0')	(0.5-1.0')	(4.0-4.5')	(6.5-7.0')
Aluminum	NA	3,190	5,630	3,630	4,110	3,380	1,350	1,510	3,420	2,720	5,430	1,880
Antimony	NA	2.0 U	2.1 U	2.2 U	1.9 U	1.9 U	1.4 U	1.9 U	1.6 U	1.9 U	1.9 U	1.8 U
Arsenic	13	2.4	3.7	3.8	2.3	2.0	0.82	0.93 U	4.1	2.4	2.4	1.0
Barium	350	17.5 J	25.2 J	33.4 J	18.5 J	26.9 J	9.1 J	7.8 J	22.0 J	17.4 J	38.7	13.8 J
Beryllium	7.2	0.15 J	0.26 J	0.16 J	0.20 J	0.18 J	0.28 U	0.37 U	0.14 J	0.38 U	0.23 J	0.36 U
Cadmium	2.5	0.98 U	1.1 U	0.39 J	0.93 U	0.94 U	0.71 U	0.93 U	0.53 J	0.95 U	0.97 U	0.90 U
Calcium	NA	1,130	564 J	13,500	371 J	520 J	1,310	251 J	19,500	1,320	585 J	658 J
Chromium ¹	30	7.9	13.0	17.8	9.2	9.2	5.1	3.4	15.4	6.1	13.9	7.4
Cobalt	NA	2.9 J	3.3 J	4.0 J	2.8 J	4.2 J	1.6 J	1.5 J	2.7 J	2.2 J	5.6 J	1.7 J
Copper	50	13.1	7.4	11.6	7.9	6.6	2.3 J	2.0 J	7.2	4.4 J	9.1	3.8 J
Iron	NA	7,660	8,770	7,790	7,230	8,390	2,920	3,610	6,390	5,420	10,600	4,270
Lead	63	8.3	17.0	29.1	9.3	4.7	1.8	1.5	48.9	8.2	5.4	148
Magnesium	NA	948 J	1,150	1,540	1,280	1,090	479 J	486 J	3,160	825 J	2,100	589 J
Manganese	1,600	127	170	122	129	174	96.0	80.6	123	105	238	86.6
Nickel	30	6.0 J	7.7 J	13.0	5.7 J	6.0 J	2.6 J	4.0 J	9.9	4.1 J	8.9	3.5 J
Potassium	NA	896 J	701 J	782 J	486 J	633 J	264 J	252 J	728 J	458 J	1,330	365 J
Selenium	3.9	2.0 U	2.1 U	2.2 U	1.9 U	1.9 U	1.4 U	1.9 U	1.6 U	1.9 U	1.9 U	1.8 U
Silver	2	0.50 J	2.1 U	3.6	1.9 U	1.9 U	1.4 U	1.9 U	1.7	1.9 U	1.9 U	1.8 U
Sodium	NA	198 J	1,060 U	1,090 U	930 U	941 U	709 U	932 U	817 U	953 U	968 U	904 U
Thallium	NA	2.0 U	2.1 U	2.2 U	1.9 U	1.9 U	1.4 U	1.9 U	1.6 U	1.9 U	1.9 U	1.8 U
Vanadium	NA	9.2 J	14.3	11.0	9.5	11.0	3.6 J	3.6 J	9.3	8.2 J	15.5	6.4 J
Zinc	109	31.6	26.3	139	22.2	18.3	7.0	7.2	26.1	14.1	27.6	11.9
Mercury	0.18	0.017 U	0.015 J	0.016 J	0.018 U	0.066	0.017 U	0.016 U	0.018 U	0.020	0.017 U	0.017 U

Notes
J : Sample result is greater than the MDL but below the CRDL
U : Indicates analyzed for but not detected.
¹ Trivalent chromium SCOs utilized.
Highlighted / bolded indicates analyte exceeded above its respective NYSDEC Unrestricted SCO.
NA - Not Available



Table 4-6
TAL Metals Soil Analytical Data
Former Emulsion and Silver Handling Areas

TAL Metals (mg/kg)	NYSDEC Unrestricted SCO	Soil Samples Former Emulsion and Silver Handling Areas												
		ER-8	ER-9	ER-10	ER-11	ER-12			ER-13			ER-14		
		(0.5-1.0')	(0.5-1.0')	(0.5-1.0')	(0.5-1.0')	(0.5-1.0')	(3.0-3.5')	(6.5-7.0')	(0.5-1.0')	(2.0-2.5')	(6.0-6.5')	(0.5-1.0')	(4.0-4.5')	(6.5-7.0')
Aluminum	NA	1,540	3,610	3,320	2,880	3,520	2,280	2,030	7,740	5,940	8,650	3,530	11,900	7,570
Antimony	NA	1.7 U	2.0 U	2.1 U	2.0 U	2.1 U	2.0 U	2.1 U	2.2 U	2.2 U	2.1 U	2.0 U	2.2 U	2.4 U
Arsenic	13	1.1	2.0	1.5	1.5	1.5	1.1	1.0 U	3.6	2.9	2.9	2.1	3.2	3.0
Barium	350	17.2 J	23.0 J	18.9 J	16.0 J	15.1 J	10.3 J	10.9 J	29.1 J	24.4 J	28.9 J	19.6 J	45.5	22.4 J
Beryllium	7.2	0.34 U	0.17 J	0.15 J	0.17 J	0.15 J	0.14 J	0.41 U	0.25 J	0.24 J	0.31 J	0.16 J	0.38 J	0.30 J
Cadmium	2.5	0.84 U	0.99 U	1.0 U	0.99 U	1.0 U	0.99 U	1.0 U	1.1 U	1.1 U	1.0 U	1.0 U	0.16 J	1.2 U
Calcium	NA	4,650	1,800	678 J	461 J	2,730	1,200	272 J	456 J	453 J	931 J	1,030	445 J	471 J
Chromium ¹	30	4.9	8.0	7.2	6.9	7.7	5.1	4.3	13.5	10.6	11.6	9.0	20.1	16.5
Cobalt	NA	1.8 J	2.6 J	2.6 J	2.2 J	2.6 J	2.3 J	1.7 J	4.3 J	3.6 J	4.0 J	2.6 J	6.4 J	5.7 J
Copper	50	2.7 J	8.0	12.7	4.9	5.6	3.5 J	2.5 J	7.5	6.4	4.6 J	4.4 J	10.5	8.4
Iron	NA	4,400	6,840	6,520	6,170	6,230	5,180	4,220	11,200	8,900	10,400	6,480	16,500	12,800
Lead	63	2.4	13.1	6.7	5.2	39.1	35.7	2.8	33.5	7.4	27.2	5.1	7.2	6.4
Magnesium	NA	571 J	1,100	1,000 J	854 J	999 J	564 J	514 J	1,680	1,420	1,210	996 J	2,800	1,730
Manganese	1,600	80.5	136	139	106	118	98.9	95.3	307	188	250	136	211	432
Nickel	30	2.9 J	5.6 J	5.1 J	4.5 J	5.1 J	3.6 J	2.9 J	8.5 J	7.3 J	7.0 J	4.6 J	11.8	10.1
Potassium	NA	487 J	675 J	519 J	502 J	524 J	336 J	338 J	951 J	790 J	379 J	650 J	1440	700 J
Selenium	3.9	1.7 U	2.0 U	2.1 U	2.0 U	2.1 U	2.0 U	2.1 U	2.2 U	2.2 U	2.1 U	2.0 U	2.2 U	2.4 U
Silver	2	0.23 J	2.0 U	2.1 U	2.0 U	2.1 U	2.0 U	2.1 U	2.2 U	2.2 U	2.1 U	2.0 U	2.2 U	2.4 U
Sodium	NA	843 U	991 U	1,050 U	990 U	1,040 U	986 U	1,030 U	1,090 U	1,080 U	1,050 U	1,010 U	1,100 U	1,200 U
Thallium	NA	1.7 U	2.0 U	2.1 U	2.0 U	2.1 U	2.0 U	2.1 U	2.2 U	2.2 U	2.1 U	2.0 U	2.2 U	2.4 U
Vanadium	NA	4.8 J	11.5	9.6 J	8.5 J	9.7 J	6.2 J	5.4 J	17.4	14.5	15.5	10.2	27.1	17.9
Zinc	109	9.8	27.6	24.0	21.9	30.5	17.8	8.9	29.3	23.6	28.8	16.5	44.6	34.2
Mercury	0.18	0.016 U	0.017 U	0.018 U	0.027	0.016	0.024	0.017 U	0.021	0.017 J	0.033	0.017 U	0.020 U	0.019 U

Notes
J : Sample result is greater than the MDL but below the CRDL
U : Indicates analyzed for but not detected.
¹ Trivalent chromium SCOs utilized.
Highlighted / bolded indicates analyte exceeded above its respective NYSDEC Unrestricted SCO.
NA - Not Available



Table 4-7
TCL VOCs Soil Analytical Data
Former Main Building 1st Floor

TCL VOCs (mg/kg)	NYSDEC Unrestricted SCO	Soil Samples Former Main Building 1st Floor									
		MF-1	MF-2	MF-3	MF-5	MF-6			MF-7	MF-8	MF-9
		(0.5-1.0')	(0.5-1.0')	(0.5-1.0')	(0.5-1.0')	(0.5-1.0')	(2.0-2.5')	(2.5-3.0')	(0.5-1.0')	(0.5-1.0')	(0.5-1.0')
1,1,1-Trichloroethane	0.68	0.00090 U	0.00081 U H	0.00016 J	0.00095 U	0.00082 U	0.00079 U	0.00088 U	0.0010 U	0.00042 U	0.0012 U
1,1,2,2-Tetrachloroethane	NA	0.00090 U	0.00081 U H	0.00099 U	0.00095 U	0.00082 U	0.00079 U	0.00088 U	0.0010 U	0.00042 U	0.0012 U
1,1,2-Trichloroethane	NA	0.00090 U	0.00081 U H	0.00099 U	0.00095 U	0.00082 U	0.00079 U	0.00088 U	0.0010 U	0.00042 U	0.0012 U
1,1-Dichloroethane	0.27	0.00090 U	0.00081 U H	0.00099 U	0.00095 U	0.00082 U	0.00079 U	0.00088 U	0.0010 U	0.00042 U	0.0012 U
1,1-Dichloroethene	0.33	0.00090 U	0.00081 U H	0.00099 U	0.00095 U	0.00082 U	0.00079 U	0.00088 U	0.00052 J	0.00042 U	0.0012 U
1,2,3-Trichlorobenzene	NA	0.00090 U	0.00081 U H	0.00099 U	0.00095 U	0.00082 U	0.00079 U	0.00088 U	0.0010 U	0.00042 U	0.0012 U
1,2,4-Trichlorobenzene	NA	0.00090 U	0.00081 U H	0.00099 U	0.00095 U	0.00082 U	0.00079 U	0.00088 U	0.0010 U	0.00042 U	0.0012 U
1,2-Dibromo-3-Chloropropane	NA	0.00090 U	0.00081 U H	0.00099 U	0.00095 U	0.00082 U	0.00079 U	0.00088 U	0.0010 U	0.00042 U	0.0012 U
1,2-Dibromoethane	NA	0.00090 U	0.00081 U H	0.00099 U	0.00095 U	0.00082 U	0.00079 U	0.00088 U	0.0010 U	0.00042 U	0.0012 U
1,2-Dichlorobenzene	1.1	0.00090 U	0.00081 U H	0.00099 U	0.00095 U	0.00082 U	0.00079 U	0.00088 U	0.0010 U	0.00042 U	0.0012 U
1,2-Dichloroethane	0.02	0.00090 U	0.00081 U H	0.00099 U	0.00095 U	0.00082 U	0.00079 U	0.00088 U	0.0010 U	0.00042 U	0.0012 U
1,2-Dichloropropane	NA	0.00090 U	0.00081 U H	0.00099 U	0.00095 U	0.00082 U	0.00079 U	0.00088 U	0.0010 U	0.00042 U	0.0012 U
1,3-Dichlorobenzene	2.4	0.00090 U	0.00081 U H	0.00099 U	0.00095 U	0.00082 U	0.00079 U	0.00088 U	0.0010 U	0.00042 U	0.0012 U
1,4-Dichlorobenzene	1.8	0.00090 U	0.00081 U H	0.00099 U	0.00095 U	0.00082 U	0.00079 U	0.00088 U	0.0010 U	0.00042 U	0.0012 U
1,4-Dioxane	0.1	0.045 U	0.041 U H	0.050 U	0.048 U	0.041 U	0.039 U	0.044 U	0.050 U	0.021 U	0.058 U
2-Butanone (MEK)	0.12	0.0090 U	0.0081 U H	0.0099 U	0.0048 J	0.0082 U	0.0079 U	0.0088 U	0.010 U	0.0042 U	0.012 U
2-Hexanone	NA	0.0090 U	0.0081 U H	0.0099 U	0.0095 U	0.0082 U	0.0079 U	0.0088 U	0.010 U	0.0042 U	0.012 U
4-Methyl-2-pentanone	NA	0.0090 U	0.0081 U H	0.0099 U	0.00054 J	0.0082 U	0.0079 U	0.0088 U	0.010 U	0.0042 U	0.012 U
Acetone	0.05	0.0090 U	0.0017 J H B	0.0099 U	0.018 B	0.0082 U	0.0079 U	0.0088 U	0.010 U	0.0082 B	0.012 U
Benzene	0.06	0.00090 U	0.00081 U H	0.00099 U	0.00095 U	0.00082 U	0.00079 U	0.00088 U	0.0010 U	0.00042 U	0.0012 U
Bromochloromethane	NA	0.00090 U	0.00081 U H	0.00099 U	0.00095 U	0.00082 U	0.00079 U	0.00088 U	0.0010 U	0.00042 U	0.0012 U
Bromodichloromethane	NA	0.00090 U	0.00081 U H	0.00099 U	0.00095 U	0.00082 U	0.00079 U	0.00088 U	0.0010 U	0.00042 U	0.0012 U
Bromoform	NA	0.00090 U	0.00081 U H	0.00099 U	0.00095 U	0.00082 U	0.00079 U	0.00088 U	0.0010 U	0.00042 U	0.0012 U
Bromomethane	NA	0.00090 U	0.00081 U H	0.00099 U	0.00095 U	0.00082 U	0.00079 U	0.00088 U	0.0010 U	0.00042 U	0.0012 U
Carbon disulfide	NA	0.00090 U	0.00081 U H	0.00099 U	0.00095 U	0.00082 U	0.00079 U	0.00088 U	0.0010 U	0.00042 U	0.0012 U
Carbon tetrachloride	0.76	0.00090 U	0.00081 U H	0.00099 U	0.00095 U	0.00082 U	0.00079 U	0.00088 U	0.0010 U	0.00042 U	0.0012 U
Chlorobenzene	1.1	0.00090 U	0.00081 U H	0.00099 U	0.00095 U	0.00082 U	0.00079 U	0.00088 U	0.0010 U	0.00042 U	0.0012 U
Chloroethane	NA	0.00090 U	0.00081 U H	0.00099 U	0.00095 U	0.00082 U	0.00079 U	0.00088 U	0.0010 U	0.00042 U	0.0012 U
Chloroform	0.37	0.00090 U	0.00081 U H	0.00099 U	0.00095 U	0.00082 U	0.00079 U	0.00088 U	0.0010 U	0.00042 U	0.0012 U
Chloromethane	NA	0.00090 U	0.00081 U H	0.00099 U	0.00095 U	0.00082 U	0.00079 U	0.00088 U	0.0010 U	0.00042 U	0.0012 U
cis-1,2-Dichloroethene	0.25	0.00090 U	0.00081 U H	0.00099 U	0.00095 U	0.00082 U	0.00010 J	0.00018 J	0.0010 U	0.0021	0.0012 U
cis-1,3-Dichloropropene	NA	0.00090 U	0.00081 U H	0.00099 U	0.00095 U	0.00082 U	0.00079 U	0.00088 U	0.0010 U	0.00042 U	0.0012 U
Cyclohexane	NA	0.00090 U	0.00081 U H	0.00099 U	0.00095 U	0.00082 U	0.00079 U	0.00088 U	0.0010 U	0.00012 J	0.0012 U
Dibromochloromethane	NA	0.00090 U	0.00081 U H	0.00099 U	0.00095 U	0.00082 U	0.00079 U	0.00088 U	0.0010 U	0.00042 U	0.0012 U
Dichlorodifluoromethane	NA	0.00090 U	0.00081 U H	0.00099 U	0.00095 U	0.00082 U	0.00079 U	0.00088 U	0.0010 U	0.00042 U	0.0012 U
Ethylbenzene	1	0.00090 U	0.00081 U H	0.00099 U	0.00095 U	0.00082 U	0.00079 U	0.00088 U	0.0010 U	0.000083 J	0.0012 U
Freon 113	NA	0.00090 U	0.00081 U H	0.00099 U	0.00095 U	0.00082 U	0.00079 U	0.00088 U	0.0010 U	0.00042 U	0.0012 U
Isopropylbenzene	NA	0.00090 U	0.00081 U H	0.00099 U	0.00095 U	0.00082 U	0.00079 U	0.00088 U	0.0010 U	0.00080	0.0012 U
m&p-Xylene	0.26	0.0018 U	0.0016 U H	0.0020 U	0.0019 U	0.0016 U	0.0016 U	0.0018 U	0.0020 U	0.00034 J	0.0023 U
Methyl acetate	NA	0.00090 U	0.00081 U H	0.00099 U	0.00095 U	0.00082 U	0.00079 U	0.00088 U	0.0010 U	0.00042 U	0.0012 U
Methylcyclohexane	NA	0.00090 U	0.00081 U H	0.00099 U	0.00095 U	0.00082 U	0.00079 U	0.00088 U	0.0010 U	0.0015	0.0012 U
Methylene Chloride	0.05	0.00025 J	0.00081 U H	0.00099 U	0.010	0.00082 U	0.00026 J	0.00088 U	0.0015	0.00044	0.0012 U
MTBE	0.93	0.00090 U	0.00081 U H	0.00099 U	0.00095 U	0.00082 U	0.00079 U	0.00088 U	0.0010 U	0.00042 U	0.0012 U
o-Xylene	0.26	0.00090 U	0.00081 U H	0.00099 U	0.00095 U	0.00082 U	0.00079 U	0.00088 U	0.0010 U	0.00042 U	0.0012 U
Styrene	NA	0.00090 U	0.00081 U H	0.00099 U	0.00095 U	0.00082 U	0.00079 U	0.00088 U	0.0010 U	0.00042 U	0.0012 U
Tetrachloroethene	1.3	0.00090 U	0.00081 U H	0.00099 U	0.00095 U	0.00082 U	0.00079 U	0.00088 U	0.0010 U	0.00042 U	0.0012 U
Toluene	0.7	0.00090 U	0.00081 U H	0.00099 U	0.00095 U	0.00014 J	0.0014	0.0029	0.0010 U	0.00055	0.0012 U
trans-1,2-Dichloroethene	0.19	0.00090 U	0.00081 U H	0.00099 U	0.00095 U	0.00082 U	0.00079 U	0.00088 U	0.0010 U	0.00042 U	0.0012 U
trans-1,3-Dichloropropene	NA	0.00090 U	0.00081 U H	0.00099 U	0.00095 U	0.00082 U	0.00079 U	0.00088 U	0.0010 U	0.00042 U	0.0012 U
Trichloroethene	0.47	0.00090 U	0.00081 U H	0.00099 U	0.00095 U	0.00082 U	0.00079 U	0.00088 U	0.0010 U	0.00042 U	0.0012 U
Trichlorofluoromethane	NA	0.00090 U	0.00081 U H	0.00099 U	0.00095 U	0.00082 U	0.00079 U	0.00020 J	0.0010 U	0.00043	0.0012 U
Vinyl chloride	0.02	0.00090 U	0.00081 U H	0.00099 U	0.00095 U	0.00082 U	0.00079 U	0.00088 U	0.0010 U	0.00042 U	0.0012 U
Xylenes, Total	0.26	0.00090 U	0.00081 U H	0.00099 U	0.00095 U	0.00082 U	0.00079 U	0.00088 U	0.0010 U	0.00042 U	0.0012 U
Naphthalene	12	0.0027 U	0.0024 U H	0.0030 U	0.0029 U	0.0025 U	0.0024 U	0.0026 U	0.0030 U	0.00034 J	0.0035 U

Notes

J : Indicates an estimated value.
J B : The analyte was found in an associated blank, as well as in the sample.
J N : Indicates an estimated value.
U : Analyzed for but not detected.
U H: Analyzed outside of holding time.
Total xylenes SCO utilized for all isomers
Highlighted / bolded indicates analyte exceeded above its respective NYSDEC Unrestricted SCO.
NA - Not Available



Table 4-8
Soil TCL SVOC Analytical Data
Former Main Building 1st Floor

TCL SVOCs (mg/kg)	NYSDEC Unrestricted SCO	Soil Samples Former Main Building 1st Floor									
		MF-1	MF-2	MF-3	MF-5	MF-6			MF-7	MF-8	MF-9
		(0.5-1.0')	(0.5-1.0')	(0.5-1.0')	(0.5-1.0')	(0.5-1.0')	(2.0-2.5')	(2.5-3.0')	(0.5-1.0')	(0.5-1.0')	(0.5-1.0')
1,2,4,5-Tetrachlorobenzene	NA	0.37 U R	0.35 U R	0.37 U R	0.36 U R	0.37 U	0.37 U R	0.39 U R	0.37 U	0.37 U	0.39 U
1,4-Dioxane	0.1	0.37 U	0.35 U	0.37 U	0.36 U	0.37 U	0.37 U	0.39 U	0.37 U	0.37 U	0.39 U
2,2'-oxybis[1-chloropropane]	NA	0.37 U	0.35 U	0.37 U	0.36 U	0.37 U	0.37 U	0.39 U	0.37 U	0.37 U	0.39 U
2,3,4,6-Tetrachlorophenol	NA	0.37 U	0.35 U	0.37 U	0.36 U	0.37 U	0.37 U	0.39 U	0.37 U	0.37 U	0.39 U
2,4,5-Trichlorophenol	NA	0.37 U	0.35 U	0.37 U	0.36 U	0.37 U	0.37 U	0.39 U	0.37 U	0.37 U	0.39 U
2,4,6-Trichlorophenol	NA	0.37 U	0.35 U	0.37 U	0.36 U	0.37 U	0.37 U	0.39 U	0.37 U	0.37 U	0.39 U
2,4-Dichlorophenol	NA	0.37 U	0.35 U	0.37 U	0.36 U	0.37 U	0.37 U	0.39 U	0.37 U	0.37 U	0.39 U
2,4-Dimethylphenol	NA	0.37 U	0.35 U	0.37 U	0.36 U	0.37 U	0.37 U	0.39 U	0.37 U	0.37 U	0.39 U
2,4-Dinitrophenol	NA	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.2 U	1.1 U	1.1 U	1.2 U
2,4-Dinitrotoluene	NA	0.076 U	0.071 U	0.076 U	0.073 U	0.075 U	0.076 U	0.080 U	0.074 U	0.074 U	0.079 U
2,6-Dinitrotoluene	NA	0.076 U	0.071 U	0.076 U	0.073 U	0.075 U	0.076 U	0.080 U	0.074 U	0.074 U	0.079 U
2-Chloronaphthalene	NA	0.37 U	0.35 U	0.37 U	0.36 U	0.37 U	0.37 U	0.39 U	0.37 U	0.37 U	0.39 U
2-Chlorophenol	NA	0.37 U	0.35 U	0.37 U	0.36 U	0.37 U	0.37 U	0.39 U	0.37 U	0.37 U	0.39 U
2-Methylnaphthalene	NA	0.37 U	0.35 U	0.37 U	0.087 J	0.37 U	0.095 J	0.39 U	0.37 U	0.37 U	0.39 U
2-Methylphenol	0.33	0.37 U	0.35 U	0.37 U	0.36 U	0.37 U	0.37 U	0.39 U	0.37 U	0.37 U	0.39 U
2-Nitroaniline	NA	0.76 U	0.71 U	0.76 U	0.73 U	0.75 U	0.76 U	0.80 U	0.74 U	0.74 U	0.79 U
2-Nitrophenol	NA	0.37 U	0.35 U	0.37 U	0.36 U	0.37 U	0.37 U	0.39 U	0.37 U	0.37 U	0.39 U
3,3'-Dichlorobenzidine	NA	0.76 U	0.71 U	0.76 U	0.73 U	0.75 U	0.76 U	0.80 U	0.74 U	0.74 U	0.79 U
3-Nitroaniline	NA	0.76 U	0.71 U	0.76 U	0.73 U	0.75 U	0.76 U	0.80 U	0.74 U	0.74 U	0.79 U
4,6-Dinitro-2-methylphenol	NA	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.2 U	1.1 U	1.1 U	1.2 U
4-Bromophenyl phenyl ether	NA	0.37 U	0.35 U	0.37 U	0.36 U	0.37 U	0.37 U	0.39 U	0.37 U	0.37 U	0.39 U
4-Chloro-3-methylphenol	NA	0.37 U	0.35 U	0.37 U	0.36 U	0.37 U	0.37 U	0.39 U	0.37 U	0.37 U	0.39 U
4-Chloroaniline	NA	0.37 U	0.35 U	0.37 U	0.36 U	0.37 U	0.37 U	0.39 U	0.37 U	0.37 U	0.39 U
4-Chlorophenyl phenyl ether	NA	0.37 U	0.35 U	0.37 U	0.36 U	0.37 U	0.37 U	0.39 U	0.37 U	0.37 U	0.39 U
4-Methylphenol	0.33	0.37 U	0.35 U	0.37 U	0.36 U	0.37 U	0.37 U	0.39 U	0.37 U	0.37 U	0.39 U
4-Nitroaniline	NA	0.76 U	0.71 U	0.76 U	0.73 U	0.75 U	0.76 U	0.80 U	0.74 U	0.74 U	0.79 U
4-Nitrophenol	NA	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.2 U	1.1 U	1.1 U	1.2 U
Acenaphthene	20	0.37 U	0.35 U	0.37 U	0.36 U	0.37 U	0.37 U	0.39 U	0.37 U	0.37 U	0.39 U
Acenaphthylene	100	0.37 U	0.35 U	0.37 U	0.36 U	0.37 U	0.37 U	0.39 U	0.37 U	0.37 U	0.39 U
Acetophenone	NA	0.37 U	0.35 U	0.37 U	0.36 U	0.37 U	0.37 U	0.39 U	0.37 U	0.37 U	0.39 U
Anthracene	100	0.37 U	0.35 U	0.37 U	0.36 U	0.37 U	0.37 U	0.39 U	0.37 U	0.37 U	0.39 U
Atrazine	NA	0.37 U	0.35 U	0.37 U	0.36 U	0.37 U	0.37 U	0.39 U	0.37 U	0.37 U	0.39 U
Benzaldehyde	NA	0.37 U	0.35 U	0.37 U	0.36 U	0.37 U	0.37 U	0.39 U	0.37 U	0.37 U	0.39 U
Benzo[a]anthracene	1	0.12	0.035 U	0.037 U	0.036 U	0.037 U	0.037 U	0.039 U	0.037 U	0.037 U	0.039 U
Benzo[a]pyrene	1	0.11	0.035 U	0.0097 J	0.036 U	0.037 U	0.037 U	0.039 U	0.037 U	0.037 U	0.039 U
Benzo[b]fluoranthene	1	0.13	0.035 U	0.012 J	0.036 U	0.037 U	0.037 U	0.039 U	0.037 U	0.037 U	0.039 U
Benzo[g,h,i]perylene	100	0.068 J	0.35 U	0.37 U	0.36 U	0.37 U	0.37 U	0.39 U	0.37 U	0.37 U	0.39 U
Benzo[k]fluoranthene	0.8	0.037 U	0.035 U	0.037 U	0.036 U	0.037 U	0.037 U	0.039 U	0.037 U	0.037 U	0.039 U
Bis(2-chloroethoxy)methane	NA	0.37 U	0.35 U	0.37 U	0.36 U	0.37 U	0.37 U	0.39 U	0.37 U	0.37 U	0.39 U
Bis(2-chloroethyl)ether	NA	0.037 U	0.035 U	0.037 U	0.036 U	0.037 U	0.037 U	0.039 U	0.037 U	0.037 U	0.039 U
Bis(2-ethylhexyl) phthalate	NA	0.37 U	0.35 U	0.37 U	0.36 U	0.37 U	0.37 U	0.39 U	0.37 U	0.37 U	0.39 U
Butyl benzyl phthalate	NA	0.37 U	0.35 U	0.37 U	0.36 U	0.37 U	0.37 U	0.39 U	0.37 U	0.37 U	0.39 U
Caprolactam	NA	0.37 U	0.35 U	0.37 U	0.36 U	0.37 U	0.37 U	0.39 U	0.37 U	0.37 U	0.39 U
Carbazole	NA	0.37 U	0.35 U	0.37 U	0.36 U	0.37 U	0.37 U	0.39 U	0.37 U	0.37 U	0.39 U
Chrysene	1	0.13 J	0.35 U	0.37 U	0.36 U	0.37 U	0.37 U	0.39 U	0.37 U	0.37 U	0.39 U
Dibenz(a,h)anthracene	0.33	0.017 J	0.035 U	0.037 U	0.036 U	0.037 U	0.037 U	0.039 U	0.037 U	0.037 U	0.039 U
Dibenzofuran	7	0.37 U	0.35 U	0.37 U	0.36 U	0.37 U	0.37 U	0.39 U	0.37 U	0.37 U	0.39 U
Diethyl phthalate	NA	0.37 U	0.35 U	0.37 U	0.36 U	0.37 U	0.37 U	0.39 U	0.37 U	0.37 U	0.39 U
Dimethyl phthalate	NA	0.37 U	0.35 U	0.37 U	0.36 U	0.37 U	0.37 U	0.39 U	0.37 U	0.37 U	0.39 U
Di-n-butyl phthalate	NA	0.37 U	0.35 U	0.37 U	0.36 U	0.37 U	0.37 U	0.39 U	0.37 U	0.37 U	0.39 U
Di-n-octyl phthalate	NA	0.37 U	0.35 U	0.37 U	0.36 U	0.37 U	0.37 U	0.39 U	0.37 U	0.37 U	0.39 U
Diphenyl	NA	0.37 U	0.35 U	0.37 U	0.36 U	0.37 U	0.37 U	0.39 U	0.37 U	0.37 U	0.39 U
Fluoranthene	100	0.31 J	0.35 U	0.37 U	0.36 U	0.37 U	0.37 U	0.39 U	0.37 U	0.37 U	0.39 U
Fluorene	30	0.37 U	0.35 U	0.37 U	0.36 U	0.37 U	0.37 U	0.39 U	0.37 U	0.37 U	0.39 U
Hexachlorobenzene	0.33	0.037 U	0.035 U	0.037 U	0.036 U	0.037 U	0.037 U	0.039 U	0.037 U	0.037 U	0.039 U
Hexachlorobutadiene	NA	0.076 U	0.071 U	0.076 U	0.073 U	0.075 U	0.076 U	0.080 U	0.074 U	0.074 U	0.079 U
Hexachlorocyclopentadiene	NA	0.37 U	0.35 U	0.37 U	0.36 U	0.37 U	0.37 U	0.39 U	0.37 U	0.37 U	0.39 U
Hexachloroethane	NA	0.037 U	0.035 U	0.037 U	0.036 U	0.037 U	0.037 U	0.039 U	0.037 U	0.037 U	0.039 U
Indeno[1,2,3-cd]pyrene	0.5	0.053	0.035 U	0.037 U	0.036 U	0.037 U	0.037 U	0.039 U	0.037 U	0.037 U	0.039 U
Isophorone	NA	0.37 U	0.35 U	0.37 U	0.36 U	0.37 U	0.37 U	0.39 U	0.37 U	0.37 U	0.39 U
Naphthalene	12	0.37 U	0.35 U	0.37 U	0.21 J	0.37 U	0.13 J	0.39 U	0.37 U	0.37 U	0.39 U
Nitrobenzene	NA	0.037 U	0.035 U	0.037 U	0.036 U	0.037 U	0.037 U	0.039 U	0.037 U	0.037 U	0.039 U
N-Nitrosodi-n-propylamine	NA	0.037 U	0.035 U	0.037 U	0.036 U	0.037 U	0.037 U	0.039 U	0.037 U	0.037 U	0.039 U
N-Nitrosodiphenylamine	NA	0.37 U	0.35 U	0.37 U	0.36 U	0.37 U	0.37 U	0.39 U	0.37 U	0.37 U	0.39 U
Pentachlorophenol	0.8	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.2 U	1.1 U	1.1 U	1.2 U
Phenanthrene	100	0.20 J	0.35 U	0.37 U	0.36 U	0.37 U	0.37 U	0.39 U	0.37 U	0.37 U	0.39 U
Phenol	0.33	0.37 U	0.35 U	0.37 U	0.36 U	0.37 U	0.37 U	0.39 U	0.37 U	0.37 U	0.39 U
Pyrene	100	0.24 J	0.35 U	0.37 U	0.36 U	0.37 U	0.37 U	0.39 U	0.37 U	0.37 U	0.39 U
Pyridine	NA	0.37 U	0.35 U	0.37 U	0.36 U	0.37 U	0.37 U	0.39 U	0.37 U	0.37 U	0.39 U

Notes

ND: TIC not detected

J : Indicates an estimated value.

J N : This flag indicates the presumptive evidence of a compound.

U : Analyzed for but not detected.

U R : Indicates that value is rejected based upon DUSR review by third party data validator.

Highlighted / bolded indicates analyte exceeded above its respective NYSDEC Unrestricted SCO.

NA - Not Available



Table 4-9
TCL VOCs Soil Analytical Data
Former Central Corridor Area

TCL VOCs (mg/kg)	NYSDEC Unrestricted SCO	Soil Samples Former Central Corridor Area										
		CC-1			CC-2			CC-3	CC-4	CC-5		
		(0.5-1.0')	(5.0-5.5')	(5.5-6.0')	(0.5-1.0')	(2.0-2.5')	(7.5-8.0')	(0.5-1.0')	(0.5-1.0')	(0.5-1.0')	(3.0-3.5')	(3.5-4.0')
1,1,1-Trichloroethane	0.68	0.00085 U	0.00093 U	0.00081 U	0.00084 U	0.00081 U	0.00088 U	0.0011 U	0.00078 U	0.00092 U	0.00083 U	0.00070 U
1,1,2,2-Tetrachloroethane	NA	0.00085 U	0.00093 U	0.00081 U	0.00084 U	0.00081 U	0.00088 U	0.0011 U	0.00078 U	0.00092 U	0.00083 U	0.00070 U
1,1,2-Trichloroethane	NA	0.00085 U	0.00093 U	0.00081 U	0.00084 U	0.00081 U	0.00088 U	0.0011 U	0.00078 U	0.00092 U	0.00083 U	0.00070 U
1,1-Dichloroethane	0.27	0.00085 U	0.00093 U	0.00081 U	0.00084 U	0.00081 U	0.00088 U	0.0011 U	0.00078 U	0.00092 U	0.00083 U	0.00070 U
1,1-Dichloroethene	0.33	0.00051 J	0.00019 J	0.00081 U	0.00084 U	0.00081 U	0.00088 U	0.0011 U	0.00078 U	0.00092 U	0.00083 U	0.00070 U
1,2,3-Trichlorobenzene	NA	0.00085 U	0.00093 U	0.00081 U	0.00084 U	0.00081 U	0.00088 U	0.0011 U	0.00078 U	0.00092 U	0.00083 U	0.00070 U
1,2,4-Trichlorobenzene	NA	0.00085 U	0.00093 U	0.00081 U	0.00084 U	0.00081 U	0.00088 U	0.0011 U	0.00078 U	0.00092 U	0.00083 U	0.00070 U
1,2-Dibromo-3-Chloropropane	NA	0.00085 U	0.00093 U	0.00081 U	0.00084 U	0.00081 U	0.00088 U	0.0011 U	0.00078 U	0.00092 U	0.00083 U	0.00070 U
1,2-Dibromoethane	NA	0.00085 U	0.00093 U	0.00081 U	0.00084 U	0.00081 U	0.00088 U	0.0011 U	0.00078 U	0.00092 U	0.00083 U	0.00070 U
1,2-Dichlorobenzene	1.1	0.00085 U	0.00093 U	0.00081 U	0.00084 U	0.00081 U	0.00088 U	0.0011 U	0.00078 U	0.00092 U	0.00083 U	0.00070 U
1,2-Dichloroethane	0.02	0.00085 U	0.00093 U	0.00081 U	0.00084 U	0.00081 U	0.00088 U	0.0011 U	0.00078 U	0.00092 U	0.00083 U	0.00070 U
1,2-Dichloropropane	NA	0.00085 U	0.00093 U	0.00081 U	0.00028 J	0.00081 U	0.00088 U	0.0011 U	0.00078 U	0.00092 U	0.00083 U	0.00070 U
1,3-Dichlorobenzene	2.4	0.00085 U	0.00093 U	0.00081 U	0.00084 U	0.00081 U	0.00088 U	0.0011 U	0.00078 U	0.00092 U	0.00083 U	0.00070 U
1,4-Dichlorobenzene	1.8	0.00085 U	0.00093 U	0.00081 U	0.00084 U	0.00081 U	0.00088 U	0.0011 U	0.00078 U	0.00092 U	0.00083 U	0.00070 U
1,4-Dioxane	0.1	0.042 U	0.047 U	0.040 U	0.042 U	0.041 U	0.044 U	0.057 U	0.039 U	0.046 U	0.042 U	0.035 U
2-Butanone (MEK)	0.12	0.0085 U	0.0093 U	0.0081 U	0.0084 U	0.0081 U	0.0088 U	0.011 U	0.0078 U	0.0092 U	0.0083 U	0.0070 U
2-Hexanone	NA	0.0085 U	0.0093 U	0.0081 U	0.0084 U	0.0081 U	0.0088 U	0.011 U	0.0078 U	0.0092 U	0.0083 U	0.0070 U
4-Methyl-2-pentanone	NA	0.0085 U	0.0093 U	0.0081 U	0.0084 U	0.0081 U	0.0088 U	0.011 U	0.0078 U	0.0092 U	0.0083 U	0.0070 U
Acetone	0.05	0.0085 U	0.0093 U	0.0081 U	0.0078 J	0.0081 U	0.0088 U	0.0022 J	0.0078 U	0.0092 U	0.0083 U	0.0070 U
Benzene	0.06	0.00085 U	0.00093 U	0.00081 U	0.00025 J	0.00081 U	0.00088 U	0.0011 U	0.00078 U	0.00092 U	0.00083 U	0.00070 U
Bromochloromethane	NA	0.00085 U	0.00093 U	0.00081 U	0.00084 U	0.00081 U	0.00088 U	0.0011 U	0.00078 U	0.00092 U	0.00083 U	0.00070 U
Bromodichloromethane	NA	0.00085 U	0.00093 U	0.00081 U	0.00084 U	0.00081 U	0.00088 U	0.0011 U	0.00078 U	0.00092 U	0.00083 U	0.00070 U
Bromoform	NA	0.00085 U	0.00093 U	0.00081 U	0.00084 U	0.00081 U	0.00088 U	0.0011 U	0.00078 U	0.00092 U	0.00083 U	0.00070 U
Bromomethane	NA	0.00085 U	0.00093 U	0.00081 U	0.00084 U	0.00081 U	0.00088 U	0.0011 U	0.00078 U	0.00092 U	0.00083 U	0.00070 U
Carbon disulfide	NA	0.00085 U	0.00093 U	0.00081 U	0.00063 J	0.00081 U	0.00088 U	0.0011 U	0.00078 U	0.00092 U	0.00083 U	0.00070 U
Carbon tetrachloride	0.76	0.00085 U	0.00093 U	0.00081 U	0.00084 U	0.00081 U	0.00088 U	0.0011 U	0.00078 U	0.00092 U R	0.00083 U R	0.00070 U
Chlorobenzene	1.1	0.00085 U	0.00093 U	0.00081 U	0.00084 U	0.00081 U	0.00088 U	0.0011 U	0.00078 U	0.00092 U	0.00083 U	0.00070 U
Chloroethane	NA	0.00085 U	0.00093 U	0.00081 U	0.00084 U	0.00081 U	0.00088 U	0.0011 U	0.00078 U	0.00092 U	0.00083 U	0.00070 U
Chloroform	0.37	0.00085 U	0.00093 U	0.00081 U	0.00084 U	0.00081 U	0.00088 U	0.0011 U	0.00078 U	0.00092 U	0.00083 U	0.00070 U
Chloromethane	NA	0.00085 U	0.00093 U	0.00081 U	0.00084 U	0.00081 U	0.00088 U	0.0011 U	0.00078 U	0.00092 U	0.00083 U	0.00070 U
cis-1,2-Dichloroethene	0.25	0.00085 U	0.00093 U	0.00081 U	0.00084 U	0.00081 U	0.00088 U	0.0011 U	0.00078 U	0.00030 J	0.00083 U	0.000082 J
cis-1,3-Dichloropropene	NA	0.00085 U	0.00093 U	0.00081 U	0.00084 U	0.00081 U	0.00088 U	0.0011 U	0.00078 U	0.00092 U	0.00083 U	0.00070 U
Cyclohexane	NA	0.00085 U	0.00093 U	0.00081 U	0.00084 U	0.00081 U	0.00088 U	0.0011 U	0.00078 U	0.00092 U	0.00083 U	0.00070 U
Dibromochloromethane	NA	0.00085 U	0.00093 U	0.00081 U	0.00084 U	0.00081 U	0.00088 U	0.0011 U	0.00078 U	0.00092 U	0.00083 U	0.00070 U
Dichlorodifluoromethane	NA	0.00085 U	0.00093 U	0.00081 U	0.00084 U	0.00081 U	0.00088 U	0.0011 U	0.00078 U	0.00092 U	0.00083 U	0.00070 U
Ethylbenzene	1	0.00085 U	0.00093 U	0.00081 U	0.00019 J	0.00081 U	0.00088 U	0.0011 U	0.00078 U	0.00092 U	0.00083 U	0.00070 U
Freon 113	NA	0.00085 U	0.00093 U	0.00081 U	0.00084 U	0.00081 U	0.00088 U	0.0011 U	0.00078 U	0.00092 U	0.00083 U	0.00070 U
Isopropylbenzene	NA	0.00085 U	0.00093 U	0.00081 U	0.00034 J	0.00081 U	0.00088 U	0.0011 U	0.00078 U	0.00092 U	0.00083 U	0.00070 U
m&p-Xylene	0.26	0.0017 U	0.0019 U	0.0016 U	0.00050 J	0.0016 U	0.0018 U	0.0023 U	0.0016 U	0.0018 U	0.0017 U	0.0014 U
Methyl acetate	NA	0.00085 U	0.00093 U	0.00081 U	0.00084 U	0.00081 U	0.00088 U	0.0011 U	0.00078 U	0.00092 U	0.00083 U	0.00070 U
Methylcyclohexane	NA	0.00085 U	0.00093 U	0.00081 U	0.00084 U	0.00081 U	0.00088 U	0.0011 U	0.00078 U	0.00092 U	0.00083 U	0.00070 U
Methylene Chloride	0.05	0.00085 U	0.00054 J	0.00081 U	0.00028 J	0.00081 U	0.00088 U	0.0063	0.00078 U	0.00092 U	0.00083 U	0.00070 U
MTBE	0.93	0.00085 U	0.00093 U	0.00081 U	0.00084 U	0.00081 U	0.00088 U	0.0011 U	0.00078 U	0.00092 U	0.00083 U	0.00070 U
o-Xylene	0.26	0.00085 U	0.00093 U	0.00081 U	0.0013	0.00081 U	0.00088 U	0.0011 U	0.00078 U	0.00092 U	0.00083 U	0.00070 U
Styrene	NA	0.00085 U	0.00093 U	0.00081 U	0.00035 J	0.00081 U	0.00088 U	0.0011 U	0.00078 U	0.00092 U	0.00083 U	0.00070 U
Tetrachloroethene	1.3	0.00085 U	0.00093 U	0.00081 U	0.00084 U	0.00081 U	0.00088 U	0.0011 U	0.00078 U	0.00092 U	0.00083 U	0.00070 U
Toluene	0.7	0.00085 U	0.00024 J	0.00081 U	0.00063 J	0.0034	0.00088 U	0.0086	0.00078 U	0.0023	0.00017 J	0.0012
trans-1,2-Dichloroethene	0.19	0.00085 U	0.00093 U	0.00081 U	0.00027 J	0.00081 U	0.00088 U	0.0011 U	0.00078 U	0.00092 U	0.00083 U	0.00070 U
trans-1,3-Dichloropropene	NA	0.00085 U	0.00093 U	0.00081 U	0.00084 U	0.00081 U	0.00088 U	0.0011 U	0.00078 U	0.00092 U	0.00083 U	0.00070 U
Trichloroethene	0.47	0.00085 U	0.00093 U	0.00081 U	0.00084 U	0.00081 U	0.00088 U	0.0011 U	0.00078 U	0.00092 U	0.00083 U	0.00070 U
Trichlorofluoromethane	NA	0.00085 U	0.00093 U	0.00081 U	0.00084 U	0.00081 U	0.00088 U	0.00017 J	0.00078 U	0.0010	0.00083 U	0.00053 J
Vinyl chloride	0.02	0.00085 U	0.00093 U	0.00081 U	0.061	0.0027	0.00088 U	0.0011 U	0.00078 U	0.00092 U	0.00083 U	0.00070 U
Xylenes, Total	0.26	0.00085 U	0.00093 U	0.00081 U	0.00084 U	0.00081 U	0.00088 U	0.0011 U	0.00078 U	0.00092 U	0.00083 U	0.00070 U
Naphthalene	12	0.0025 U	0.0028 U	0.0024 U	0.00085 J	0.0024 U	0.0026 U	0.0034 U	0.0023 U	0.0028 U	0.0025 U	0.0021 U

Notes

J : Indicates an estimated value.

J B : The analyte was found in an associated blank, as well as in the sample.

J N : Indicates an estimated value.

U : Analyzed for but not detected.

U R : Indicates that value is rejected based upon DUSR review by third party data validator.

Total xylenes SCO utilized for all isomers

Highlighted / bolded indicates analyte exceeded above its respective NYSDEC Unrestricted SCO.

NA - Not Available



Table 4-10
Soil TCL SVOC Analytical Data
Former Central Corridor Area

TCL SVOCs (mg/kg)	NYSDEC Unrestricted SCO	Soil Samples Former Central Corridor Area					
		CC-1			CC-5		
		(0.5-1.0')	(5.0-5.5')	(5.5-6.0')	(0.5-1.0')	(3.0-3.5')	(3.5-4.0')
1,2,4,5-Tetrachlorobenzene	NA	0.37 U	0.40 U R	0.37 U	0.35 U	0.35 U	0.36 U
1,4-Dioxane	0.1	0.37 U	0.40 U	0.37 U	0.35 U	0.35 U	0.36 U
2,2'-oxybis[1-chloropropane]	NA	0.37 U	0.40 U	0.37 U	0.35 U	0.35 U	0.36 U
2,3,4,6-Tetrachlorophenol	NA	0.37 U	0.40 U	0.37 U	0.35 U	0.35 U	0.36 U
2,4,5-Trichlorophenol	NA	0.37 U	0.40 U	0.37 U	0.35 U	0.35 U	0.36 U
2,4,6-Trichlorophenol	NA	0.37 U	0.40 U	0.37 U	0.35 U	0.35 U	0.36 U
2,4-Dichlorophenol	NA	0.37 U	0.40 U	0.37 U	0.35 U	0.35 U	0.36 U
2,4-Dimethylphenol	NA	0.37 U	0.40 U	0.37 U	0.35 U	0.35 U	0.36 U
2,4-Dinitrophenol	NA	1.1 U	1.2 U	1.1 U	1.1 U	1.1 U	1.1 U
2,4-Dinitrotoluene	NA	0.074 U	0.082 U	0.076 U	0.072 U	0.071 U	0.073 U
2,6-Dinitrotoluene	NA	0.074 U	0.082 U	0.076 U	0.072 U	0.071 U	0.073 U
2-Chloronaphthalene	NA	0.37 U	0.40 U	0.37 U	0.35 U	0.35 U	0.36 U
2-Chlorophenol	NA	0.37 U	0.40 U	0.37 U	0.35 U	0.35 U	0.36 U
2-Methylnaphthalene	NA	0.37 U	0.40 U	0.37 U	0.35 U	0.35 U	0.36 U
2-Methylphenol	0.33	0.37 U	0.40 U	0.37 U	0.35 U	0.35 U	0.36 U
2-Nitroaniline	NA	0.74 U	0.82 U	0.76 U	0.72 U	0.71 U	0.73 U
2-Nitrophenol	NA	0.37 U	0.40 U	0.37 U	0.35 U	0.35 U	0.36 U
3,3'-Dichlorobenzidine	NA	0.74 U	0.82 U	0.76 U	0.72 U	0.71 U	0.73 U
3-Nitroaniline	NA	0.74 U	0.82 U	0.76 U	0.72 U	0.71 U	0.73 U
4,6-Dinitro-2-methylphenol	NA	1.1 U	1.2 U	1.1 U	1.1 U	1.1 U	1.1 U
4-Bromophenyl phenyl ether	NA	0.37 U	0.40 U	0.37 U	0.35 U	0.35 U	0.36 U
4-Chloro-3-methylphenol	NA	0.37 U	0.40 U	0.37 U	0.35 U	0.35 U	0.36 U
4-Chloroaniline	NA	0.37 U	0.40 U	0.37 U	0.35 U	0.35 U	0.36 U
4-Chlorophenyl phenyl ether	NA	0.37 U	0.40 U	0.37 U	0.35 U	0.35 U	0.36 U
4-Methylphenol	0.33	0.37 U	0.40 U	0.37 U	0.35 U	0.35 U	0.36 U
4-Nitroaniline	NA	0.74 U	0.82 U	0.76 U	0.72 U	0.71 U	0.73 U
4-Nitrophenol	NA	1.1 U	1.2 U	1.1 U	1.1 U	1.1 U	1.1 U
Acenaphthene	20	0.37 U	0.40 U	0.37 U	0.35 U	0.35 U	0.36 U
Acenaphthylene	100	0.37 U	0.40 U	0.37 U	0.35 U	0.35 U	0.36 U
Acetophenone	NA	0.37 U	0.40 U	0.37 U	0.35 U	0.35 U	0.36 U
Anthracene	100	0.37 U	0.40 U	0.37 U	0.35 U	0.35 U	0.36 U
Atrazine	NA	0.37 U	0.40 U	0.37 U	0.35 U	0.35 U	0.36 U
Benzaldehyde	NA	0.37 U	0.40 U	0.37 U	0.35 U	0.35 U	0.36 U
Benzo[a]anthracene	1	0.037 U	0.040 U	0.037 U	0.035 U	0.035 U	0.090
Benzo[a]pyrene	1	0.037 U	0.040 U	0.037 U	0.035 U	0.035 U	0.15
Benzo[b]fluoranthene	1	0.037 U	0.040 U	0.037 U	0.035 U	0.035 U	0.16
Benzo[g,h,i]perylene	100	0.37 U	0.40 U	0.37 U	0.35 U	0.35 U	0.10 J
Benzo[k]fluoranthene	0.8	0.037 U	0.040 U	0.037 U	0.035 U	0.035 U	0.081
Bis(2-chloroethoxy)methane	NA	0.37 U	0.40 U	0.37 U	0.35 U	0.35 U	0.36 U
Bis(2-chloroethyl)ether	NA	0.037 U	0.040 U	0.037 U	0.035 U	0.035 U	0.036 U
Bis(2-ethylhexyl) phthalate	NA	0.37 U	0.40 U	0.37 U	0.35 U	0.35 U	0.36 U
Butyl benzyl phthalate	NA	0.37 U	0.40 U	0.37 U	0.35 U	0.35 U	0.36 U
Caprolactam	NA	0.37 U	0.40 U	0.37 U	0.35 U	0.35 U	0.36 U
Carbazole	NA	0.37 U	0.40 U	0.37 U	0.35 U	0.35 U	0.36 U
Chrysene	1	0.37 U	0.40 U	0.37 U	0.35 U	0.35 U	0.12 J
Dibenz(a,h)anthracene	0.33	0.037 U	0.040 U	0.037 U	0.035 U	0.035 U	0.036 U
Dibenzofuran	7	0.37 U	0.40 U	0.37 U	0.35 U	0.35 U	0.36 U
Diethyl phthalate	NA	0.37 U	0.40 U	0.37 U	0.35 U	0.35 U	0.36 U
Dimethyl phthalate	NA	0.37 U	0.40 U	0.37 U	0.35 U	0.35 U	0.36 U
Di-n-butyl phthalate	NA	0.37 U	0.40 U	0.37 U	0.35 U	0.35 U	0.36 U
Di-n-octyl phthalate	NA	0.37 U	0.40 U	0.37 U	0.35 U	0.35 U	0.36 U
Diphenyl	NA	0.37 U	0.40 U	0.37 U	0.35 U	0.35 U	0.36 U
Fluoranthene	100	0.37 U	0.40 U	0.37 U	0.35 U	0.35 U	0.17 J
Fluorene	30	0.37 U	0.40 U	0.37 U	0.35 U	0.35 U	0.36 U
Hexachlorobenzene	0.33	0.037 U	0.040 U	0.037 U	0.035 U	0.035 U	0.036 U
Hexachlorobutadiene	NA	0.074 U	0.082 U	0.076 U	0.072 U	0.071 U	0.073 U
Hexachlorocyclopentadiene	NA	0.37 U	0.40 U	0.37 U	0.35 U	0.35 U	0.36 U
Hexachloroethane	NA	0.037 U	0.040 U	0.037 U	0.035 U	0.035 U	0.036 U
Indeno[1,2,3-cd]pyrene	0.5	0.037 U	0.040 U	0.037 U	0.035 U	0.035 U	0.13
Isophorone	NA	0.37 U	0.40 U	0.37 U	0.35 U	0.35 U	0.36 U
Naphthalene	12	0.37 U	0.40 U	0.37 U	0.35 U	0.35 U	0.36 U
Nitrobenzene	NA	0.037 U	0.040 U	0.037 U	0.035 U	0.035 U	0.036 U
N-Nitrosodi-n-propylamine	NA	0.037 U	0.040 U	0.037 U	0.035 U	0.035 U	0.036 U
N-Nitrosodiphenylamine	NA	0.37 U	0.40 U	0.37 U	0.35 U	0.35 U	0.36 U
Pentachlorophenol	0.8	1.1 U	1.2 U	1.1 U	1.1 U	1.1 U	1.1 U
Phenanthrene	100	0.37 U	0.40 U	0.37 U	0.35 U	0.35 U	0.091 J
Phenol	0.33	0.37 U	0.40 U	0.37 U	0.35 U	0.35 U	0.36 U
Pyrene	100	0.37 U	0.40 U	0.37 U	0.35 U	0.35 U	0.14 J
Pyridine	NA	0.37 U	0.40 U	0.37 U	0.35 U	0.35 U	0.36 U

Notes
ND: TIC not detected
J : Indicates an estimated value.
J N : This flag indicates the presumptive evidence of a compound.
U : Analyzed for but not detected.
U R : Indicates that value is rejected based upon DUSR review by third party data validator.
Highlighted / bolded indicates analyte exceeded above its respective NYSDEC Unrestricted SCO.
NA - Not Available



Table 4-11
TAL Metals Soil Analytical Data
Former Central Corridor Area

TAL Metals (mg/kg)	NYSDEC Unrestricted SCO	Soil Samples Former Central Corridor Area										
		CC-1			CC-2			CC-3	CC-4	CC-5		
		(0.5-1.0')	(5.0-5.5')	(5.5-6.0')	(0.5-1.0')	(2.0-2.5')	(7.5-8.0')	(0.5-1.0')	(0.5-1.0')	(0.5-1.0')	(3.0'-3.5')	(3.5-4.0')
Aluminum	NA	4,780	3,460	1,620	2,300	7,310	1,920	6,340	2,050	5,600	4,600	11,000
Antimony	NA	2.2 U	2.2 U	2.2 U	1.5 J	2.1 U	1.7 U	2.4 U	1.7 U	2.1 U	1.6 U	1.8 U
Arsenic	13	1.1 U	1.1 U	1.1 U	3.9	1.2	0.95	1.3	0.80 J	1.6	3.0	4.8
Barium	350	29.2 J	25.5 J	13.1 J	21.8 J	30.4 J	4.3 J	34.7 J	12.2 J	26.2 J	17.5 J	41.6
Beryllium	7.2	0.43 U	0.44 U	0.45 U	0.41 U	0.15 J	0.34 U	0.48 U	0.34 U	0.21 J	0.36	1.1
Cadmium	2.5	1.1 U	1.1 U	1.1 U	1.0	1.3	0.86 U	3.6	4.7	1.0 U	0.79 U	6.9
Calcium	NA	735 J	940 J	353 J	20,600	782 J	95 J	270 J	17,700	2,840	445 J	1,300
Chromium ¹	30	9.9	9.1	5.3	6.5	10.3	10.1	12.1	6.6	11.5	10.2	27.3
Cobalt	NA	2.2 J	4.3 J	2.2 J	1.4 J	2.6 J	8.6 U	2.3 J	1.2 J	5.0 J	5.2 J	5.8 J
Copper	50	6.4	4.9 J	5.7	8.5	3.9 J	3.2 J	6.2	4.8	5.9	6.5	95.0
Iron	NA	5,290	5,390	4,460	3,700	9,000	6,360	8,550	3,920	7,880	23,900	37,600
Lead	63	4.3	3.2	2.3	27.5	19.9	1.7	9.1	5.1	3.9	5.5	6.9
Magnesium	NA	1,480	1,260	686 J	3,860	1,300	183 J	1,310	2,090	1,930	885	2,790
Manganese	1,600	59.2	65.7	50.7	91.3	139	50.0	90.7	65.7	159	337	336
Nickel	30	6.5 J	5.7 J	3.4 J	5.0 J	6.1 J	1.9 J	6.1 J	3.5 J	6.9 J	6.3 J	9.0
Potassium	NA	421 J	551 J	384 J	270 J	487 J	156 J	274 J	887	732 J	518 J	1,470
Selenium	3.9	2.2 U	2.2 U	2.2 U	2.1 U	2.1 U	1.7 U	2.4 U	1.7 U	2.1 U	1.6 U	1.8 U
Silver	2	2.2 U	2.2 U	2.2 U	14.1	2.1 U	1.7 U	129	2.2	2.1 U	1.6 U	122
Sodium	NA	1,080 U	1,090 U	1,120 U	164 J	1,030 U	857 U	1,210 U	309 J	1,030 U	795 U	885 U
Thallium	NA	2.2 U	2.2 U	2.2 U	2.1 U	2.1 U	1.7 U	2.4 U	1.7 U	2.1 U	1.6 U	1.8 U
Vanadium	NA	9.9 J	10.2 J	7.3 J	8.9 J	13.4	7.9 J	13.4	5.5 J	13.0	11.7	28.8
Zinc	109	18.6	15.5	13.1	86.2	19.3	6.2	18.5	13.2	15.0	15.6	99.8
Mercury	0.18	0.037	0.017 J	0.026	0.042	0.020 U	0.016 U	0.022 J	0.017 U	0.018	0.018 U	0.13

Notes
J : Sample result is greater than the MDL but below the CRDL
U : Indicates analyzed for but not detected.
¹ Trivalent chromium SCOs utilized.
Highlighted / bolded indicates analyte exceeded above its respective NYSDEC Unrestricted SCO.
NA - Not Available



Table 4-12
TCL VOCs Soil Analytical Data
Former Inspection and Practica Area

TCL VOCs (mg/kg)	NYSDEC Unrestricted SCO	Soil Samples Former Inspection and Practica Area												
		PA-1 (0.5-1.0')	PA-2 (0.5-1.0')	PA-3 (0.5-1.0')	PA-4 (0.5-1.0')	PA-5 (0.5-1.0')	PA-6 (0.5-1.0')	PA-7 (0.5-1.0')	PA-8 (0.5-1.0')	PA-8 (1.0-1.5')	PA-8 (4.5-5.0')	PA-9 (0.5-1.0')	PA-10 (0.5-1.0')	PA-11 (0.5-1.0')
1,1,1-Trichloroethane	0.68	0.00087 U	0.00096 U	0.00088 U	0.00083 U	0.00099 U	0.00089 U	0.00088 U	0.00088 U	0.00073 U	0.00097 U	0.00079 U	0.00084 U	0.00060 U
1,1,2,2-Tetrachloroethane	NA	0.00087 U	0.00096 U	0.00088 U	0.00083 U	0.00099 U	0.00089 U	0.00088 U	0.00088 U	0.00073 U	0.00097 U	0.00079 U	0.00084 U	0.00060 U
1,1,2-Trichloroethane	NA	0.00087 U	0.00096 U	0.00088 U	0.00083 U	0.00099 U	0.00089 U	0.00088 U	0.00088 U	0.00073 U	0.00097 U	0.00079 U	0.00084 U	0.00060 U
1,1-Dichloroethane	0.27	0.00087 U	0.00096 U	0.00088 U	0.00083 U	0.00099 U	0.00089 U	0.00088 U	0.00088 U	0.00073 U	0.00097 U	0.00079 U	0.00084 U	0.00060 U
1,1-Dichloroethene	0.33	0.00087 U	0.00096 U	0.00088 U	0.00083 U	0.00099 U	0.00089 U	0.00088 U	0.00088 U	0.00073 U	0.00097 U	0.00079 U	0.00084 U	0.00060 U
1,2,3-Trichlorobenzene	NA	0.00087 U	0.00096 U	0.00088 U	0.00083 U	0.00099 U	0.00089 U	0.00088 U	0.00088 U	0.00073 U	0.00097 U	0.00079 U	0.00084 U	0.00060 U
1,2,4-Trichlorobenzene	NA	0.00087 U	0.00096 U	0.00088 U	0.00083 U	0.00099 U	0.00089 U	0.00088 U	0.00088 U	0.00073 U	0.00097 U	0.00079 U	0.00084 U	0.00060 U
1,2-Dibromo-3-Chloropropane	NA	0.00087 U	0.00096 U	0.00088 U R	0.00083 U R	0.00099 U R	0.00089 U R	0.00088 U R	0.00088 U R	0.00073 U R	0.00097 U R	0.00079 U	0.00084 U	0.00060 U
1,2-Dibromoethane	NA	0.00087 U	0.00096 U	0.00088 U	0.00083 U	0.00099 U	0.00089 U	0.00088 U	0.00088 U	0.00073 U	0.00097 U	0.00079 U	0.00084 U	0.00060 U
1,2-Dichlorobenzene	1.1	0.00087 U	0.00096 U	0.00088 U	0.00083 U	0.00099 U	0.00089 U	0.00088 U	0.00088 U	0.00073 U	0.00097 U	0.00079 U	0.00084 U	0.00060 U
1,2-Dichloroethane	0.02	0.00087 U	0.00096 U	0.00088 U	0.00083 U	0.00099 U	0.00089 U	0.00088 U	0.00088 U	0.00073 U	0.00097 U	0.00079 U	0.00084 U	0.00060 U
1,2-Dichloropropane	NA	0.00087 U	0.00096 U	0.00088 U	0.00083 U	0.00099 U	0.00089 U	0.00088 U	0.00088 U	0.00073 U	0.00097 U	0.00079 U	0.00084 U	0.00060 U
1,3-Dichlorobenzene	2.4	0.00087 U	0.00096 U	0.00088 U	0.00083 U	0.00099 U	0.00089 U	0.00088 U	0.00088 U	0.00073 U	0.00097 U	0.00079 U	0.00084 U	0.00060 U
1,4-Dichlorobenzene	1.8	0.00087 U	0.00096 U	0.00088 U	0.00083 U	0.00099 U	0.00089 U	0.00088 U	0.00088 U	0.00073 U	0.00097 U	0.00079 U	0.00084 U	0.00060 U
1,4-Dioxane	0.1	0.044 U	0.048 U	0.044 U	0.041 U	0.050 U	0.045 U	0.044 U	0.044 U	0.037 U	0.049 U	0.040 U	0.042 U	0.030 U
2-Butanone (MEK)	0.12	0.0087 U	0.0096 U	0.0088 U	0.0083 U	0.0099 U	0.0089 U	0.0088 U	0.0088 U	0.0073 U	0.0097 U	0.0079 U	0.0084 U	0.0060 U
2-Hexanone	NA	0.0087 U	0.0096 U	0.0088 U	0.0083 U	0.0099 U	0.0089 U	0.0088 U	0.0088 U	0.0073 U	0.0097 U	0.0079 U	0.0084 U	0.0060 U
4-Methyl-2-pentanone	NA	0.0087 U	0.0096 U	0.0088 U	0.0083 U	0.0099 U	0.0089 U	0.0088 U	0.0088 U	0.0073 U	0.0097 U	0.0079 U	0.0084 U	0.0060 U
Acetone	0.05	0.0087 U	0.0073 J B	0.0088 U	0.0083 U	0.0022 J B	0.0089 U	0.0088 U	0.0088 U	0.0073 U	0.0097 U	0.0033 J B	0.0033 J B	0.0026 J B
Benzene	0.06	0.00087 U	0.00096 U	0.00088 U	0.00083 U	0.00099 U	0.00089 U	0.00088 U	0.00088 U	0.00073 U	0.00097 U	0.00079 U	0.00084 U	0.00060 U
Bromochloromethane	NA	0.00087 U	0.00096 U	0.00088 U	0.00083 U	0.00099 U	0.00089 U	0.00088 U	0.00088 U	0.00073 U	0.00097 U	0.00079 U	0.00084 U	0.00060 U
Bromodichloromethane	NA	0.00087 U	0.00096 U	0.00088 U	0.00083 U	0.00099 U	0.00089 U	0.00088 U	0.00088 U	0.00073 U	0.00097 U	0.00079 U	0.00084 U	0.00060 U
Bromoform	NA	0.00087 U	0.00096 U	0.00088 U	0.00083 U	0.00099 U	0.00089 U	0.00088 U	0.00088 U	0.00073 U	0.00097 U	0.00079 U	0.00084 U	0.00060 U
Bromomethane	NA	0.00087 U	0.00096 U	0.00088 U	0.00083 U	0.00099 U	0.00089 U	0.00088 U	0.00088 U	0.00073 U	0.00097 U	0.00079 U	0.00084 U	0.00060 U
Carbon disulfide	NA	0.00087 U	0.00096 U	0.00088 U	0.00083 U	0.00099 U	0.00089 U	0.00088 U	0.00088 U	0.00073 U	0.00097 U	0.00079 U	0.00084 U	0.00060 U
Carbon tetrachloride	0.76	0.00087 U	0.00096 U	0.00088 U	0.00083 U	0.00099 U	0.00089 U	0.00088 U	0.00088 U	0.00073 U	0.00097 U	0.00079 U	0.00084 U	0.00060 U
Chlorobenzene	1.1	0.00087 U	0.00096 U	0.00088 U	0.00083 U	0.00099 U	0.00089 U	0.00088 U	0.00088 U	0.00073 U	0.00097 U	0.00079 U	0.00084 U	0.00060 U
Chloroethane	NA	0.00087 U	0.00096 U	0.00088 U	0.00083 U	0.00099 U	0.00089 U	0.00088 U	0.00088 U	0.00073 U	0.00097 U	0.00079 U	0.00084 U	0.00060 U
Chloroform	0.37	0.00087 U	0.00096 U	0.00088 U	0.00083 U	0.00099 U	0.00089 U	0.00088 U	0.00088 U	0.00073 U	0.00097 U	0.00079 U	0.00084 U	0.00060 U
Chloromethane	NA	0.00087 U	0.00096 U	0.00088 U	0.00083 U	0.00099 U	0.00089 U	0.00088 U	0.00088 U	0.00073 U	0.00097 U	0.00079 U	0.00084 U	0.00060 U
cis-1,2-Dichloroethene	0.25	0.00087 U	0.00096 U	0.00088 U	0.00083 U	0.00099 U	0.00089 U	0.00088 U	0.00088 U	0.00073 U	0.00097 U	0.00079 U	0.00084 U	0.00060 U
cis-1,3-Dichloropropene	NA	0.00087 U	0.00096 U	0.00088 U	0.00083 U	0.00099 U	0.00089 U	0.00088 U	0.00088 U	0.00073 U	0.00097 U	0.00079 U	0.00084 U	0.00060 U
Cyclohexane	NA	0.00087 U	0.00096 U	0.00088 U	0.00083 U	0.00099 U	0.00089 U	0.00088 U	0.00088 U	0.00073 U	0.00097 U	0.00079 U	0.00084 U	0.00060 U
Dibromochloromethane	NA	0.00087 U	0.00096 U	0.00088 U	0.00083 U	0.00099 U	0.00089 U	0.00088 U	0.00088 U	0.00073 U	0.00097 U	0.00079 U	0.00084 U	0.00060 U
Dichlorodifluoromethane	NA	0.00087 U	0.00096 U	0.00088 U	0.00083 U	0.00099 U	0.00089 U	0.00088 U	0.00088 U	0.00073 U	0.00097 U	0.00079 U	0.00084 U	0.00060 U
Ethylbenzene	1	0.00087 U	0.00096 U	0.00088 U	0.00083 U	0.00099 U	0.00089 U	0.00088 U	0.00088 U	0.00073 U	0.00097 U	0.00079 U	0.00084 U	0.00060 U
Freon 113	NA	0.00087 U	0.00096 U	0.00088 U	0.00083 U	0.00099 U	0.00089 U	0.00088 U	0.00088 U	0.00073 U	0.00097 U	0.00079 U	0.00084 U	0.00060 U
Isopropylbenzene	NA	0.00087 U	0.00096 U	0.00088 U	0.00083 U	0.00099 U	0.00089 U	0.00088 U	0.00088 U	0.00073 U	0.00097 U	0.00079 U	0.00084 U	0.00060 U
m&p-Xylene	0.26	0.0017 U	0.0019 U	0.0018 U	0.0017 U	0.0020 U	0.0018 U	0.0018 U	0.0018 U	0.0015 U	0.0019 U	0.0016 U	0.0017 U	0.0012 U
Methyl acetate	NA	0.00087 U	0.00096 U	0.00088 U	0.00083 U	0.00099 U	0.00089 U	0.00088 U	0.00088 U	0.00073 U	0.00097 U	0.00079 U	0.00084 U	0.00060 U
Methylcyclohexane	NA	0.00087 U	0.00096 U	0.00088 U	0.00083 U	0.00099 U	0.00089 U	0.00088 U	0.00088 U	0.00073 U	0.00097 U	0.00079 U	0.00084 U	0.00060 U
Methylene Chloride	0.05	0.00023 J B	0.00032 J B	0.00088 U	0.00083 U	0.00079 J	0.00089 U	0.00088 U	0.00088 U	0.00073 U	0.00069 J	0.00079 U	0.00025 J B	0.00060 U
MTBE	0.93	0.00087 U	0.00096 U	0.00088 U	0.00083 U	0.00099 U	0.00089 U	0.00088 U	0.00088 U	0.00073 U	0.00097 U	0.00079 U	0.00084 U	0.00060 U
o-Xylene	0.26	0.00087 U	0.00096 U	0.00088 U	0.00083 U	0.00099 U	0.00089 U	0.00088 U	0.00088 U	0.00073 U	0.0015	0.00079 U	0.00084 U	0.00060 U
Styrene	NA	0.00087 U	0.00096 U	0.00088 U	0.00083 U	0.00099 U	0.00089 U	0.00088 U	0.00088 U	0.00073 U	0.00097 U	0.00079 U	0.00084 U	0.00060 U
Tetrachloroethene	1.3	0.00087 U	0.00096 U	0.00088 U	0.00083 U	0.00099 U	0.00089 U	0.00088 U	0.00088 U	0.00073 U	0.00097 U	0.00079 U	0.00084 U	0.00060 U
Toluene	0.7	0.00087 U	0.26	0.00088 U	0.00083 U	0.00099 U	0.00089 U	0.00088 U	0.00088 U	0.00073 U	0.00097 U	0.00079 U	0.00052 J	0.13
trans-1,2-Dichloroethene	0.19	0.00087 U	0.00096 U	0.00088 U	0.00083 U	0.00099 U	0.00089 U	0.00088 U	0.00088 U	0.00073 U	0.00097 U	0.00079 U	0.00084 U	0.00060 U
trans-1,3-Dichloropropene	NA	0.00087 U	0.00096 U	0.00088 U	0.00083 U	0.00099 U	0.00089 U	0.00088 U	0.00088 U	0.00073 U	0.00097 U	0.00079 U	0.00084 U	0.00060 U
Trichloroethene	0.47	0.00087 U	0.00096 U	0.00088 U	0.00083 U	0.00099 U	0.00089 U	0.00088 U	0.00088 U	0.00073 U	0.00097 U	0.00079 U	0.00084 U	0.00060 U
Trichlorofluoromethane	NA	0.00087 U	0.00024 J	0.00088 U	0.00083 U	0.00099 U	0.00089 U	0.00088 U	0.00088 U	0.00073 U	0.00097 U	0.00079 U	0.00084 U	0.00086
Vinyl chloride	0.02	0.00087 U	0.00096 U	0.00088 U	0.00083 U	0.00099 U	0.00089 U	0.00088 U	0.00088 U	0.00073 U	0.00097 U	0.00079 U	0.00084 U	0.00060 U
Xylenes, Total	0.26	0.00087 U	0.00096 U	0.00088 U	0.00083 U	0.00099 U	0.00089 U	0.00088 U	0.00088 U	0.00073 U	0.00097 U	0.00079 U	0.00084 U	0.00060 U
Naphthalene	12	0.0026 U	0.0029 U	0.0027 U	0.0025 U	0.0030 U	0.0027 U	0.0026 U	0.0026 U	0.0022 U	0.0029 U	0.0024 U	0.0025 U	0.0018 U

Notes
J : Indicates an estimated value.
J B : The analyte was found in an associated blank, as well as in the sample.
J N : Indicates an estimated value.
U : Analyzed for but not detected.
U R : Indicates that value is rejected based upon DUSR review by third party data validator.
Total xylenes SCO utilized for all isomers
Highlighted / bolded indicates analyte exceeded above its respective NYSDEC Unrestricted SCO.
NA - Not Available



Table 4-13
Soil TCL SVOC Analytical Data
Former Inspection and Practica Area

TCL SVOCs (mg/kg)	NYSDEC Unrestricted SCO	Soil Samples Former Inspection and Practica Area												
		PA-1	PA-2	PA-3	PA-4	PA-5	PA-6	PA-7	PA-8			PA-9	PA-10	PA-11
		(0.5-1.0')	(0.5-1.0')	(0.5-1.0')	(0.5-1.0')	(0.5-1.0')	(0.5-1.0')	(0.5-1.0')	(0.5-1.0')	(1.0-1.5')	(4.5-5.0')	(0.5-1.0')	(0.5-1.0')	(0.5-1.0')
1,2,4,5-Tetrachlorobenzene	NA	0.39 U R	0.38 U R	0.36 U	0.37 U R	0.39 U R	0.37 U R	0.37 U R	0.37 U R	0.37 U R	0.37 U R	0.37 U R	0.36 U R	0.38 U R
1,4-Dioxane	0.1	0.39 U	0.38 U	0.36 U	0.37 U	0.39 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.36 U	0.38 U
2,2'-oxybis[1-chloropropane]	NA	0.39 U	0.38 U	0.36 U	0.37 U	0.39 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.36 U	0.38 U
2,3,4,6-Tetrachlorophenol	NA	0.39 U	0.38 U	0.36 U R	0.37 U	0.39 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.36 U	0.38 U
2,4,5-Trichlorophenol	NA	0.39 U	0.38 U	0.36 U	0.37 U	0.39 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.36 U	0.38 U
2,4,6-Trichlorophenol	NA	0.39 U	0.38 U	0.36 U	0.37 U	0.39 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.36 U	0.38 U
2,4-Dichlorophenol	NA	0.39 U	0.38 U	0.36 U	0.37 U	0.39 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.36 U	0.38 U
2,4-Dimethylphenol	NA	0.39 U	0.38 U	0.36 U	0.37 U	0.39 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.36 U	0.38 U
2,4-Dinitrophenol	NA	1.2 U	1.1 U	1.1 U	1.1 U	1.2 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
2,4-Dinitrotoluene	NA	0.079 U	0.077 U	0.073 U	0.074 U	0.079 U	0.076 U	0.074 U	0.074 U	0.075 U	0.076 U	0.075 U	0.074 U	0.076 U
2,6-Dinitrotoluene	NA	0.079 U	0.077 U	0.073 U	0.074 U	0.079 U	0.076 U	0.074 U	0.074 U	0.075 U	0.076 U	0.075 U	0.074 U	0.076 U
2-Chloronaphthalene	NA	0.39 U	0.38 U	0.36 U	0.37 U	0.39 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.36 U	0.38 U
2-Chlorophenol	NA	0.39 U	0.38 U	0.36 U	0.37 U	0.39 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.36 U	0.38 U
2-Methylnaphthalene	NA	0.39 U	0.38 U	0.36 U	0.37 U	0.39 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.36 U	0.38 U
2-Methylphenol	0.33	0.39 U	0.38 U	0.36 U	0.37 U	0.39 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.36 U	0.38 U
2-Nitroaniline	NA	0.79 U	0.77 U	0.73 U	0.74 U	0.79 U	0.76 U	0.74 U	0.74 U	0.75 U	0.76 U	0.75 U	0.74 U	0.76 U
2-Nitrophenol	NA	0.39 U	0.38 U	0.36 U	0.37 U	0.39 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.36 U	0.38 U
3,3'-Dichlorobenzidine	NA	0.79 U	0.77 U	0.73 U	0.74 U	0.79 U	0.76 U	0.74 U	0.74 U	0.75 U	0.76 U	0.75 U	0.74 U	0.76 U
3-Nitroaniline	NA	0.79 U	0.77 U	0.73 U	0.74 U	0.79 U	0.76 U	0.74 U	0.74 U	0.75 U	0.76 U	0.75 U	0.74 U	0.76 U
4,6-Dinitro-2-methylphenol	NA	1.2 U	1.1 U	1.1 U	1.1 U	1.2 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
4-Bromophenyl phenyl ether	NA	0.39 U	0.38 U	0.36 U	0.37 U	0.39 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.36 U	0.38 U
4-Chloro-3-methylphenol	NA	0.39 U	0.38 U	0.36 U	0.37 U	0.39 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.36 U	0.38 U
4-Chloroaniline	NA	0.39 U	0.38 U	0.36 U	0.37 U	0.39 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.36 U	0.38 U
4-Chlorophenyl phenyl ether	NA	0.39 U	0.38 U	0.36 U	0.37 U	0.39 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.36 U	0.38 U
4-Methylphenol	0.33	0.39 U	0.38 U	0.36 U	0.37 U	0.39 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.36 U	0.38 U
4-Nitroaniline	NA	0.79 U	0.77 U	0.73 U	0.74 U	0.79 U	0.76 U	0.74 U	0.74 U	0.75 U	0.76 U	0.75 U	0.74 U	0.76 U
4-Nitrophenol	NA	1.2 U	1.1 U	1.1 U	1.1 U	1.2 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Acenaphthene	20	0.39 U	0.38 U	0.36 U	0.37 U	0.39 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.36 U	0.38 U
Acenaphthylene	100	0.39 U	0.38 U	0.36 U	0.37 U	0.39 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.36 U	0.38 U
Acetophenone	NA	0.39 U	0.38 U	0.36 U	0.37 U	0.39 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.36 U	0.38 U
Anthracene	100	0.39 U	0.38 U	0.36 U	0.37 U	0.39 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.36 U	0.38 U
Atrazine	NA	0.39 U	0.38 U	0.36 U	0.37 U	0.39 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.36 U	0.38 U
Benzaldehyde	NA	0.39 U	0.38 U	0.36 U	0.37 U	0.39 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.36 U	0.38 U
Benzo[a]anthracene	1	0.039 U	0.038 U	0.036 U	0.037 U	0.039 U	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.036 U	0.30
Benzo[a]pyrene	1	0.039 U	0.038 U	0.036 U	0.037 U	0.039 U	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.036 U	0.32
Benzo[b]fluoranthene	1	0.039 U	0.038 U	0.036 U	0.037 U	0.039 U	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.036 U	0.37
Benzo[g,h,i]perylene	100	0.39 U	0.38 U	0.36 U	0.37 U	0.39 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.36 U	0.21 J
Benzo[k]fluoranthene	0.8	0.039 U	0.038 U	0.036 U	0.037 U	0.039 U	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.036 U	0.14
Bis(2-chloroethoxy)methane	NA	0.39 U	0.38 U	0.36 U	0.37 U	0.39 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.36 U	0.38 U
Bis(2-chloroethyl)ether	NA	0.039 U	0.038 U	0.036 U	0.037 U	0.039 U	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.036 U	0.038 U
Bis(2-ethylhexyl) phthalate	NA	0.39 U	0.38 U	0.36 U	0.37 U	0.39 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.36 U	0.38 U
Butyl benzyl phthalate	NA	0.39 U	0.38 U	0.36 U	0.37 U	0.39 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.36 U	0.38 U
Caprolactam	NA	0.39 U	0.38 U	0.36 U	0.37 U	0.39 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.36 U	0.38 U
Carbazole	NA	0.39 U	0.38 U	0.36 U	0.37 U	0.39 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.36 U	0.38 U
Chrysene	1	0.39 U	0.38 U	0.36 U	0.37 U	0.39 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.36 U	0.35 J
Dibenz(a,h)anthracene	0.33	0.039 U	0.038 U	0.036 U	0.037 U	0.039 U	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.036 U	0.038 U
Dibenzofuran	7	0.39 U	0.38 U	0.36 U	0.37 U	0.39 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.36 U	0.38 U
Diethyl phthalate	NA	0.39 U	0.38 U	0.36 U	0.37 U	0.39 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.36 U	0.38 U
Dimethyl phthalate	NA	0.39 U	0.38 U	0.36 U	0.37 U	0.39 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.36 U	0.38 U
Di-n-butyl phthalate	NA	0.39 U	0.38 U	0.36 U	0.37 U	0.39 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.36 U	0.38 U
Di-n-octyl phthalate	NA	0.39 U	0.38 U	0.36 U	0.37 U	0.39 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.36 U	0.38 U
Diphenyl	NA	0.39 U	0.38 U	0.36 U	0.37 U	0.39 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.36 U	0.38 U
Fluoranthene	100	0.39 U	0.38 U	0.36 U	0.37 U	0.39 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.36 U	0.54
Fluorene	30	0.39 U	0.38 U	0.36 U	0.37 U	0.39 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.36 U	0.38 U
Hexachlorobenzene	0.33	0.039 U	0.038 U	0.036 U	0.037 U	0.039 U	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.036 U	0.038 U
Hexachlorobutadiene	NA	0.079 U	0.077 U	0.073 U	0.074 U	0.079 U	0.076 U	0.074 U	0.074 U	0.075 U	0.076 U	0.075 U	0.074 U	0.076 U
Hexachlorocyclopentadiene	NA	0.39 U	0.38 U	0.36 U	0.37 U	0.39 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.36 U	0.38 U
Hexachloroethane	NA	0.039 U	0.038 U	0.036 U	0.037 U	0.039 U	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.036 U	0.038 U
Indeno[1,2,3-cd]pyrene	0.5	0.039 U	0.038 U	0.036 U	0.037 U	0.039 U	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U		

Notes

ND: TIC not detected

J : Indicates an estimated value.

J N : This flag indicates the presumptive evidence of a compound.

U : Analyzed for but not detected.

U R : Indicates that value is rejected based upon DUSR review by third party data validator.

Highlighted / bolded indicates analyte exceeded above its respective NYSDEC Unrestricted SCO.

NA - Not Available



Table 4-14
TAL Metals Soil Analytical Data
Former Inspection and Practica Area

TAL Metals (mg/kg)	NYSDEC Unrestricted SCO	Soil Samples Former Inspection and Practica Area		
		PA-8		
		(0.5-1.0')	(1.0-1.5')	(4.5-5.0')
Aluminum	NA	7,690	6,990	7,080
Antimony	NA	2.0 U	2.0 U	1.9 U
Arsenic	13	2.7	2.5	2.4
Barium	350	36.5 J	34.1 J	65.6
Beryllium	7.2	0.41	0.43	0.31 J
Cadmium	2.5	1.0 U	1.0 U	0.94 U
Calcium	NA	615 J	671 J	2,140
Chromium ¹	30	13.5	15.1	15.5
Cobalt	NA	7.1 J	4.1 J	6.7 J
Copper	50	12.1	10.5	10.1
Iron	NA	15,800	15,800	15,000
Lead	63	5.2	6.0	4.5
Magnesium	NA	1,830	2,160	2,220
Manganese	1,600	367	159	489
Nickel	30	14.8	10.7	13.4
Potassium	NA	1,070	1,230	1,420
Selenium	3.9	2.0 U	2.0 U	1.9 U
Silver	2	2.0 U	2.0 U	1.9 U
Sodium	NA	1,000 U	1,010 U	944 U
Thallium	NA	2.0 U	2.0 U	1.9 U
Vanadium	NA	18.4	17.7	20.1
Zinc	109	29.0	31.9	31.5
Mercury	0.18	0.019 U	0.016 U	0.018 U

Notes

J : Sample result is greater than the MDL but below the CRDL

U : Indicates analyzed for but not detected.

¹ Trivalent chromium SCOs utilized.

Highlighted / bolded indicates analyte exceeded above its respective NYSDEC Unrestricted SCO.

NA - Not Available



Table 4-15
TCL VOCs Soil Analytical Data
Former Mechanical Dryer and Loading Dock Areas

TCL VOCs (mg/kg)	NYSDEC Unrestricted SCO	Soil Samples Former Mechanical Dryer and Loading Dock Areas									
		MD-1	MD-2	MD-4	MD-5	MD-6	MD-7	MD-8	MD-9	MD-11	MD-12
		(0.5-1.0')	(0.5-1.0')	(0.5-1.0')	(0.5-1.0')	(0.5-1.0')	(0.5-1.0')	(0.5-1.0')	(0.5-1.0')	(0.5-1.0')	(0.5-1.0')
1,1,1-Trichloroethane	0.68	0.00083 U	0.00091 U	0.00093 U	0.00084 U	0.00080 U	0.00091 U	0.00088 U	0.00093 U	0.0010 U	0.00092 U
1,1,2,2-Tetrachloroethane	NA	0.00083 U	0.00091 U	0.00093 U	0.00084 U	0.00080 U	0.00091 U	0.00088 U	0.00093 U	0.0010 U	0.00092 U
1,1,2-Trichloroethane	NA	0.00083 U	0.00091 U	0.00093 U	0.00084 U	0.00080 U	0.00091 U	0.00088 U	0.00093 U	0.0010 U	0.00092 U
1,1-Dichloroethane	0.27	0.00083 U	0.00091 U	0.00093 U	0.00084 U	0.00080 U	0.00091 U	0.00088 U	0.00093 U	0.0010 U	0.00092 U
1,1-Dichloroethene	0.33	0.00083 U	0.00091 U	0.00093 U	0.00084 U	0.00080 U	0.00091 U	0.00088 U	0.00093 U	0.0010 U	0.00092 U
1,2,3-Trichlorobenzene	NA	0.00083 U	0.00091 U	0.00093 U	0.00084 U	0.00080 U	0.00091 U	0.00088 U	0.00093 U	0.0010 U	0.00092 U
1,2,4-Trichlorobenzene	NA	0.00083 U	0.00091 U	0.00093 U	0.00084 U	0.00080 U	0.00091 U	0.00088 U	0.00093 U	0.0010 U	0.00092 U
1,2-Dibromo-3-Chloropropane	NA	0.00083 U	0.00091 U	0.00093 U	0.00084 U	0.00080 U	0.00091 U	0.00088 U	0.00093 U	0.0010 U	0.00092 U
1,2-Dibromoethane	NA	0.00083 U	0.00091 U	0.00093 U	0.00084 U	0.00080 U	0.00091 U	0.00088 U	0.00093 U	0.0010 U	0.00092 U
1,2-Dichlorobenzene	1.1	0.00083 U	0.00091 U	0.00093 U	0.00084 U	0.00080 U	0.00091 U	0.00088 U	0.00093 U	0.0010 U	0.00092 U
1,2-Dichloroethane	0.02	0.00083 U	0.00091 U	0.00093 U	0.00084 U	0.00080 U	0.00091 U	0.00088 U	0.00093 U	0.0010 U	0.00092 U
1,2-Dichloropropane	NA	0.00083 U	0.00091 U	0.00093 U	0.00084 U	0.00080 U	0.00091 U	0.00088 U	0.00093 U	0.0010 U	0.00092 U
1,3-Dichlorobenzene	2.4	0.00083 U	0.00091 U	0.00093 U	0.00084 U	0.00080 U	0.00091 U	0.00088 U	0.00093 U	0.0010 U	0.00092 U
1,4-Dichlorobenzene	1.8	0.00083 U	0.00091 U	0.00093 U	0.00084 U	0.00080 U	0.00091 U	0.00088 U	0.00066 J	0.0010 U	0.00092 U
1,4-Dioxane	0.1	0.042 U	0.046 U	0.046 U	0.042 U	0.040 U	0.045 U	0.044 U	0.047 U	0.051 U	0.046 U
2-Butanone (MEK)	0.12	0.0083 U	0.0091 U	0.0093 U	0.0084 U	0.0080 U	0.0091 U	0.0088 U	0.0032 J	0.010 U	0.0060 J
2-Hexanone	NA	0.0083 U	0.0091 U	0.0093 U	0.0084 U	0.0080 U	0.0091 U	0.0088 U	0.0012 J	0.010 U	0.0092 U
4-Methyl-2-pentanone	NA	0.0083 U	0.0091 U	0.0093 U	0.0084 U	0.0080 U	0.0091 U	0.0088 U	0.017	0.010 U	0.0092 U
Acetone	0.05	0.0083 U	0.0091 U	0.0093 U	0.0084 U	0.0080 U	0.0091 U	0.0088 U	0.024	0.010 U	0.028
Benzene	0.06	0.00083 U	0.00091 U	0.00093 U	0.00084 U	0.00080 U	0.00091 U	0.00088 U	0.00093 U	0.0010 U	0.00092 U
Bromochloromethane	NA	0.00083 U	0.00091 U	0.00093 U	0.00084 U	0.00080 U	0.00091 U	0.00088 U	0.00093 U	0.0010 U	0.00092 U
Bromodichloromethane	NA	0.00083 U	0.00091 U	0.00093 U	0.00084 U	0.00080 U	0.00091 U	0.00088 U	0.00093 U	0.0010 U	0.00092 U
Bromoform	NA	0.00083 U	0.00091 U	0.00093 U	0.00084 U	0.00080 U	0.00091 U	0.00088 U	0.00093 U	0.0010 U	0.00092 U
Bromomethane	NA	0.00083 U	0.00091 U	0.00093 U	0.00084 U	0.00080 U	0.00091 U	0.00088 U	0.00093 U	0.0010 U	0.00092 U
Carbon disulfide	NA	0.00083 U	0.00091 U	0.00093 U	0.00084 U	0.00080 U	0.00091 U	0.00088 U	0.00093 U	0.0010 U	0.00047 J
Carbon tetrachloride	0.76	0.00083 U	0.00091 U	0.00093 U	0.00084 U	0.00080 U	0.00091 U	0.00088 U	0.00093 U	0.0010 U	0.00092 U
Chlorobenzene	1.1	0.00083 U	0.00091 U	0.00093 U	0.00084 U	0.00080 U	0.00091 U	0.00088 U	0.00093 U	0.0010 U	0.00092 U
Chloroethane	NA	0.00083 U	0.00091 U	0.00093 U	0.00084 U	0.00080 U	0.00091 U	0.00088 U	0.00093 U	0.0010 U	0.00092 U
Chloroform	0.37	0.00083 U	0.00091 U	0.00093 U	0.00084 U	0.00080 U	0.00091 U	0.00088 U	0.00093 U	0.0010 U	0.00092 U
Chloromethane	NA	0.00083 U	0.00091 U	0.00093 U	0.00084 U	0.00080 U	0.00091 U	0.00088 U	0.00093 U	0.0010 U	0.00092 U
cis-1,2-Dichloroethene	0.25	0.00083 U	0.00091 U	0.00093 U	0.00084 U	0.00080 U	0.00026 J	0.00088 U	0.00093 U	0.0010 U	0.00092 U
cis-1,3-Dichloropropene	NA	0.00083 U	0.00091 U	0.00093 U	0.00084 U	0.00080 U	0.00091 U	0.00088 U	0.00093 U	0.0010 U	0.00092 U
Cyclohexane	NA	0.00083 U	0.00091 U	0.00093 U	0.00084 U	0.00080 U	0.00091 U	0.00088 U	0.00093 U	0.0010 U	0.00092 U
Dibromochloromethane	NA	0.00083 U	0.00091 U	0.00093 U	0.00084 U	0.00080 U	0.00091 U	0.00088 U	0.00093 U	0.0010 U	0.00092 U
Dichlorodifluoromethane	NA	0.00083 U	0.00091 U	0.00093 U	0.00084 U	0.00080 U	0.00091 U	0.00088 U	0.00093 U	0.0010 U	0.00092 U
Ethylbenzene	1	0.00083 U	0.00091 U	0.00093 U	0.00084 U	0.00080 U	0.00091 U	0.00088 U	0.00093 U	0.0010 U	0.00092 U
Freon 113	NA	0.00083 U	0.00091 U	0.00093 U	0.00084 U	0.00080 U	0.00091 U	0.00088 U	0.00093 U	0.0010 U	0.00092 U
Isopropylbenzene	NA	0.00083 U	0.00091 U	0.00093 U	0.00084 U	0.00080 U	0.00091 U	0.00088 U	0.00093 U	0.0010 U	0.00092 U
m&p-Xylene	0.26	0.0017 U	0.0018 U	0.0019 U	0.0017 U	0.0016 U	0.0018 U	0.0018 U	0.0019 U	0.0020 U	0.0018 U
Methyl acetate	NA	0.00083 U	0.00091 U	0.00093 U	0.00084 U	0.00080 U	0.00091 U	0.00088 U	0.00093 U	0.0010 U	0.00092 U
Methylcyclohexane	NA	0.00083 U	0.00091 U	0.00093 U	0.00084 U	0.00080 U	0.00091 U	0.00088 U	0.00093 U	0.0010 U	0.00092 U
Methylene Chloride	0.05	0.00029 J B	0.00091 U	0.00093 U	0.00084 U	0.00080 U	0.00091 U	0.00088 U	0.00093 U	0.0010 U	0.00092 U
MTBE	0.93	0.00083 U	0.00091 U	0.00093 U	0.00084 U	0.00080 U	0.00091 U	0.00088 U	0.00093 U	0.0010 U	0.00092 U
o-Xylene	0.26	0.00083 U	0.00091 U	0.00093 U	0.00084 U	0.00080 U	0.00091 U	0.00088 U	0.0028	0.0010 U	0.00092 U
Styrene	NA	0.00083 U	0.00091 U	0.00093 U	0.00084 U	0.00080 U	0.00091 U	0.00088 U	0.00093 U	0.0010 U	0.00092 U
Tetrachloroethene	1.3	0.00083 U	0.00091 U	0.00093 U	0.00084 U	0.00080 U	0.00091 U	0.00088 U	0.00093 U	0.0010 U	0.00092 U
Toluene	0.7	0.00013 J	0.00091 U	0.00093 U	0.0093	0.00038 J	0.00077 J	0.00088 U	0.0020	0.0010 U	0.00092 U
trans-1,2-Dichloroethene	0.19	0.00083 U	0.00091 U	0.00093 U	0.00084 U	0.00080 U	0.00091 U	0.00088 U	0.00020 J	0.0010 U	0.00092 U
trans-1,3-Dichloropropene	NA	0.00083 U	0.00091 U	0.00093 U	0.00084 U	0.00080 U	0.00091 U	0.00088 U	0.00093 U	0.0010 U	0.00092 U
Trichloroethene	0.47	0.00083 U	0.00091 U	0.00093 U	0.00084 U	0.00080 U	0.00091 U	0.00088 U	0.00093 U	0.0010 U	0.00092 U
Trichlorofluoromethane	NA	0.00083 U	0.00091 U	0.00093 U	0.00038 J	0.00080 U	0.00035 J	0.00088 U	0.00093 U	0.0010 U	0.00092 U
Vinyl chloride	0.02	0.00083 U	0.00091 U	0.00093 U	0.00084 U	0.00080 U	0.00091 U	0.00088 U	0.00093 U	0.0010 U	0.00092 U
Xylenes, Total	0.26	0.00083 U	0.00091 U	0.00093 U	0.00084 U	0.00080 U	0.00091 U	0.00088 U	0.00093 U	0.0010 U	0.00092 U
Naphthalene	12	0.0025 U	0.0027 U	0.0028 U	0.0025 U	0.0024 U	0.0027 U	0.0026 U	0.0028 U	0.0031 U	0.0028 U

Notes

J : Indicates an estimated value.

J B : The analyte was found in an associated blank, as well as in the sample.

J N : Indicates an estimated value.

U : Analyzed for but not detected.

Total xylenes SCO utilized for all isomers

Highlighted / bolded indicates analyte exceeded above its respective NYSDEC Unrestricted SCO.

NA - Not Available



Table 4-16
Soil TCL SVOC Analytical Data
Former Mechanical Dryer and Loading Dock Areas

TCL SVOCs (mg/kg)	NYSDEC Unrestricted SCO	Soil Samples Former Mechanical Dryer and Loading Dock Areas									
		MD-1	MD-2	MD-4	MD-5	MD-6	MD-7	MD-8	MD-9	MD-11	MD-12
		(0.5-1.0')	(0.5-1.0')	(0.5-1.0')	(0.5-1.0')	(0.5-1.0')	(0.5-1.0')	(0.5-1.0')	(0.5-1.0')	(0.5-1.0')	(0.5-1.0')
1,2,4,5-Tetrachlorobenzene	NA	0.36 U	0.38 U R	0.39 U R	0.36 U R	0.38 U R	0.38 U R	0.36 U R	2.0 U R	0.38 U R	0.39 U R
1,4-Dioxane	0.1	0.36 U	0.38 U	0.39 U	0.36 U	0.38 U	0.38 U	0.36 U	2.0 U	0.38 U	0.39 U
2,2'-oxybis[1-chloropropane]	NA	0.36 U	0.38 U	0.39 U	0.36 U	0.38 U	0.38 U	0.36 U	2.0 U	0.38 U	0.39 U
2,3,4,6-Tetrachlorophenol	NA	0.36 U R	0.38 U	0.39 U	0.36 U	0.38 U	0.38 U	0.36 U	2.0 U	0.38 U	0.39 U
2,4,5-Trichlorophenol	NA	0.36 U	0.38 U	0.39 U	0.36 U	0.38 U	0.38 U	0.36 U	2.0 U	0.38 U	0.39 U
2,4,6-Trichlorophenol	NA	0.36 U	0.38 U	0.39 U	0.36 U	0.38 U	0.38 U	0.36 U	2.0 U	0.38 U	0.39 U
2,4-Dichlorophenol	NA	0.36 U	0.38 U	0.39 U	0.36 U	0.38 U	0.38 U	0.36 U	2.0 U	0.38 U	0.39 U
2,4-Dimethylphenol	NA	0.36 U	0.38 U	0.39 U	0.36 U	0.38 U	0.38 U	0.36 U	2.0 U	0.38 U	0.39 U
2,4-Dinitrophenol	NA	1.1 U	1.1 U	1.2 U	1.1 U	1.1 U	1.1 U	1.1 U	5.9 U	1.1 U	1.2 U
2,4-Dinitrotoluene	NA	0.073 U	0.077 U	0.078 U	0.073 U	0.077 U	0.076 U	0.074 U	0.40 U	0.076 U	0.079 U
2,6-Dinitrotoluene	NA	0.073 U	0.077 U	0.078 U	0.073 U	0.077 U	0.076 U	0.074 U	0.40 U	0.076 U	0.079 U
2-Chloronaphthalene	NA	0.36 U	0.38 U	0.39 U	0.36 U	0.38 U	0.38 U	0.36 U	2.0 U	0.38 U	0.39 U
2-Chlorophenol	NA	0.36 U	0.38 U	0.39 U	0.36 U	0.38 U	0.38 U	0.36 U	2.0 U	0.38 U	0.39 U
2-Methylnaphthalene	NA	0.36 U	0.38 U	0.39 U	0.36 U	0.38 U	0.38 U	0.36 U	2.0 U	0.38 U	0.39 U
2-Methylphenol	0.33	0.36 U	0.38 U	0.39 U	0.36 U	0.38 U	0.38 U	0.36 U	2.0 U	0.38 U	0.39 U
2-Nitroaniline	NA	0.73 U	0.77 U	0.78 U	0.73 U	0.77 U	0.76 U	0.74 U	4.0 U	0.76 U	0.79 U
2-Nitrophenol	NA	0.36 U	0.38 U	0.39 U	0.36 U	0.38 U	0.38 U	0.36 U	2.0 U	0.38 U	0.39 U
3,3'-Dichlorobenzidine	NA	0.73 U	0.77 U	0.78 U	0.73 U	0.77 U	0.76 U	0.74 U	4.0 U	0.76 U	0.79 U
3-Nitroaniline	NA	0.73 U	0.77 U	0.78 U	0.73 U	0.77 U	0.76 U	0.74 U	4.0 U	0.76 U	0.79 U
4,6-Dinitro-2-methylphenol	NA	1.1 U	1.1 U	1.2 U	1.1 U	1.1 U	1.1 U	1.1 U	5.9 U	1.1 U	1.2 U
4-Bromophenyl phenyl ether	NA	0.36 U	0.38 U	0.39 U	0.36 U	0.38 U	0.38 U	0.36 U	2.0 U	0.38 U	0.39 U
4-Chloro-3-methylphenol	NA	0.36 U	0.38 U	0.39 U	0.36 U	0.38 U	0.38 U	0.36 U	2.0 U	0.38 U	0.39 U
4-Chloroaniline	NA	0.36 U	0.38 U	0.39 U	0.36 U	0.38 U	0.38 U	0.36 U	2.0 U	0.38 U	0.39 U
4-Chlorophenyl phenyl ether	NA	0.36 U	0.38 U	0.39 U	0.36 U	0.38 U	0.38 U	0.36 U	2.0 U	0.38 U	0.39 U
4-Methylphenol	0.33	0.36 U	0.38 U	0.39 U	0.36 U	0.38 U	0.38 U	0.36 U	2.0 U	0.38 U	0.39 U
4-Nitroaniline	NA	0.73 U	0.77 U	0.78 U	0.73 U	0.77 U	0.76 U	0.74 U	4.0 U	0.76 U	0.79 U
4-Nitrophenol	NA	1.1 U	1.1 U	1.2 U	1.1 U	1.1 U	1.1 U	1.1 U	5.9 U	1.1 U	1.2 U
Acenaphthene	20	0.36 U	0.38 U	0.39 U	0.36 U	0.38 U	0.38 U	0.36 U	2.0 U	0.38 U	0.057 J
Acenaphthylene	100	0.36 U	0.38 U	0.39 U	0.36 U	0.38 U	0.38 U	0.36 U	2.0 U	0.38 U	0.069 J
Acetophenone	NA	0.36 U	0.38 U	0.39 U	0.36 U	0.38 U	0.38 U	0.36 U	2.0 U	0.38 U	0.39 U
Anthracene	100	0.097 J	0.38 U	0.39 U	0.36 U	0.11 J	0.38 U	0.36 U	2.0 U	0.38 U	0.099 J
Atrazine	NA	0.36 U	0.38 U	0.39 U	0.36 U	0.38 U	0.38 U	0.36 U	2.0 U	0.38 U	0.39 U
Benzaldehyde	NA	0.36 U	0.38 U	0.39 U	0.36 U	0.38 U	0.38 U	0.36 U	2.0 U	0.38 U	0.39 U
Benzo[a]anthracene	1	0.35	0.017 J	0.033 J	0.062	0.39	0.048	0.046	0.20 U	0.038 U	0.27
Benzo[a]pyrene	1	0.43	0.014 J	0.026 J	0.069	0.40	0.047	0.043	0.60	0.038 U	0.29
Benzo[b]fluoranthene	1	0.47	0.017 J	0.031 J	0.086	0.40	0.054	0.053	0.54	0.038 U	0.29
Benzo[g,h,i]perylene	100	0.26 J	0.38 U	0.39 U	0.050 J	0.26 J	0.030 J	0.027 J	0.47 J	0.38 U	0.18 J
Benzo[k]fluoranthene	0.8	0.17	0.038 U	0.014 J	0.033 J	0.21	0.022 J	0.019 J	0.20 U	0.038 U	0.12
Bis(2-chloroethoxy)methane	NA	0.36 U	0.38 U	0.39 U	0.36 U	0.38 U	0.38 U	0.36 U	2.0 U	0.38 U	0.39 U
Bis(2-chloroethyl)ether	NA	0.036 U	0.038 U	0.039 U	0.036 U	0.038 U	0.038 U	0.036 U	0.20 U	0.038 U	0.039 U
Bis(2-ethylhexyl) phthalate	NA	0.36 U	0.38 U	0.39 U	0.36 U	0.38 U	0.38 U	0.36 U	2.0 U	0.38 U	0.39 U
Butyl benzyl phthalate	NA	0.36 U	0.38 U	0.39 U	0.36 U	0.38 U	0.38 U	0.36 U	2.0 U	0.38 U	0.39 U
Caprolactam	NA	0.36 U	0.38 U	0.39 U	0.36 U	0.38 U	0.38 U	0.36 U	2.0 U	0.38 U	0.39 U
Carbazole	NA	0.043 J	0.38 U	0.39 U	0.36 U	0.38 U	0.38 U	0.36 U	2.0 U	0.38 U	0.39 U
Chrysene	1	0.40	0.38 U	0.39 U	0.072 J	0.41	0.045 J	0.046 J	0.67 J	0.38 U	0.32 J
Dibenz(a,h)anthracene	0.33	0.067	0.038 U	0.039 U	0.036 U	0.048	0.038 U	0.036 U	0.11 J	0.038 U	0.047
Dibenzofuran	7	0.36 U	0.38 U	0.39 U	0.36 U	0.38 U	0.38 U	0.36 U	2.0 U	0.38 U	0.39 U
Diethyl phthalate	NA	0.36 U	0.38 U	0.39 U	0.36 U	0.38 U	0.38 U	0.36 U	2.0 U	0.38 U	0.39 U
Dimethyl phthalate	NA	0.36 U	0.38 U	0.39 U	0.36 U	0.38 U	0.38 U	0.36 U	2.0 U	0.38 U	0.39 U
Di-n-butyl phthalate	NA	0.36 U	0.38 U	0.39 U	0.36 U	0.38 U	0.38 U	0.36 U	2.0 U	0.38 U	0.39 U
Di-n-octyl phthalate	NA	0.36 U	0.38 U	0.39 U	0.36 U	0.38 U	0.38 U	0.36 U	2.0 U	0.38 U	0.39 U
Diphenyl	NA	0.36 U	0.38 U	0.39 U	0.36 U	0.38 U	0.38 U	0.36 U	2.0 U	0.38 U	0.39 U
Fluoranthene	100	0.94	0.38 U	0.39 U	0.094 J	0.74	0.070 J	0.083 J	1.1 J	0.38 U	0.56
Fluorene	30	0.36 U	0.38 U	0.39 U	0.36 U	0.38 U	0.38 U	0.36 U	2.0 U	0.38 U	0.058 J
Hexachlorobenzene	0.33	0.036 U	0.038 U	0.039 U	0.036 U	0.038 U	0.038 U	0.036 U	0.20 U	0.038 U	0.039 U
Hexachlorobutadiene	NA	0.073 U	0.077 U	0.078 U	0.073 U	0.077 U	0.076 U	0.074 U	0.40 U	0.076 U	0.079 U
Hexachlorocyclopentadiene	NA	0.36 U	0.38 U	0.39 U	0.36 U	0.38 U	0.38 U	0.36 U	2.0 U	0.38 U	0.39 U
Hexachloroethane	NA	0.036 U	0.038 U	0.039 U	0.036 U	0.038 U	0.038 U	0.036 U	0.20 U	0.038 U	0.039 U
Indeno[1,2,3-cd]pyrene	0.5	0.28	0.038 U	0.019 J	0.049	0.23	0.028 J	0.026 J	0.42	0.038 U	0.17
Isophorone	NA	0.36 U	0.38 U	0.39 U	0.36 U	0.38 U	0.36 J	0.36 U	2.0 U	0.38 U	0.39 U
Naphthalene	12	0.36 U	0.38 U	0.39 U	0.36 U	0.057 J	0.38 U	0.36 U	2.0 U	0.38 U	0.049 J
Nitrobenzene	NA	0.036 U	0.038 U	0.039 U	0.036 U	0.038 U	0.038 U	0.036 U	0.20 U	0.038 U	0.039 U
N-Nitrosodi-n-propylamine	NA	0.036 U	0.038 U	0.039 U	0.036 U	0.038 U	0.038 U	0.036 U	0.20 U	0.038 U	0.039 U
N-Nitrosodiphenylamine	NA	0.36 U	0.38 U	0.39 U	0.36 U	0.38 U	0.38 U	0.36 U	2.0 U	0.38 U	0.39 U
Pentachlorophenol	0.8	1.1 U	1.1 U	1.2 U	1.1 U	1.1 U	1.1 U	1.1 U	5.9 U	1.1 U	1.2 U
Phenanthrene	100	0.53	0.38 U	0.39 U	0.36 U	0.55	0.38 U	0.065 J	0.57 J	0.38 U	0.46
Phenol	0.33	0.36 U	0.38 U	0.39 U	0.36 U	0.38 U	0.38 U	0.36 U	2.0 U	0.38 U	0.39 U
Pyrene	100	0.71	0.38 U	0.056 J	0.13 J	1.0	0.089 J	0.095 J	1.1 J	0.38 U	0.70
Pyridine	NA	0.36 U	0.38 U	0.39 U	0.36 U	0.38 U	0.38 U	0.36 U	2.0 U	0.38 U	0.39 U

Notes

ND: TIC not detected

J : Indicates an estimated value.

J N : This flag indicates the presumptive evidence of a compound.

U : Analyzed for but not detected.

U R : Indicates that value is rejected based upon DUSR review by third party data validator.

Highlighted / bolded indicates analyte exceeded above its respective NYSDEC Unrestricted SCO.

NA - Not Available



Table 4-17
TAL Metals Soil Analytical Data
Former Mechanical Dryer and Loading Dock Areas

TAL Metals (mg/kg)	NYSDEC Unrestricted SCO	Soil Samples Former Mechanical Dryer and Loading Dock Areas					
		MD-1	MD-2	MD-6	MD-8	MD-11	MD-12
		(0.5-1.0')	(0.5-1.0')	(0.5-1.0')	(0.5-1.0')	(0.5-1.0')	(0.5-1.0')
Aluminum	NA	2,260	1,160	3,420	954	1,720	7,120
Antimony	NA	2.0 U	2.1 U	2.3 U	1.9 U	2.2 U	2.4 U
Arsenic	13	2.4	1.1 U	2.9	1.1	1.3	2.9
Barium	350	33.5 J	5.9 J	17.0 J	4.6 J	5.4 J	45.3 J
Beryllium	7.2	0.40 U	0.42 U	0.21 J	0.38 U	0.43 U	0.31 J
Cadmium	2.5	0.22 J	1.1 U	1.1 U	0.96 U	1.1 U	1.2 U
Calcium	NA	1,140	377 J	580 J	220 J	360 J	6,700
Chromium ¹	30	10.3	1.9 J	7.6	2.1	2.7	13.0
Cobalt	NA	1.9 J	10.6 U	7.5 J	0.87 J	1.6 J	4.2 J
Copper	50	7.4	5.3 U	5.3 J	2.2 J	2.5 J	9.7
Iron	NA	5,860	2,130	14,100	2,750	3,570	12,100
Lead	63	27.4	1.9	3.2	2.2	2.3	38.1
Magnesium	NA	478 J	310 J	717 J	233 J	425 J	2,650
Manganese	1,600	563	29.1	323	33.5	50.5	259
Nickel	30	8.1	1.4 J	4.3 J	1.6 J	1.8 J	8.5 J
Potassium	NA	247 J	1,060 U	405 J	134 J	163 J	516 J
Selenium	3.9	2.0 U	2.1 U	2.3 U	1.9 U	2.2 U	2.4 U
Silver	2	2.0 U	2.1 U	2.3 U	1.9 U	2.2 U	2.4 U
Sodium	NA	997 U	1,060 U	1,150 U	962 U	1,080 U	1,180 U
Thallium	NA	2.0 U	2.1 U	2.3 U	1.9 U	2.2 U	2.4 U
Vanadium	NA	7.5 J	2.5 J	8.3 J	2.4 J	4.0 J	16.1
Zinc	109	41.7	9.4	21.9	6.3	7.8	39.9
Mercury	0.18	0.018 U	0.014 J	0.014 J	0.018 U	0.018 U	0.079

Notes

J : Sample result is greater than the MDL but below the CRDL

U : Indicates analyzed for but not detected.

¹ Trivalent chromium SCOs utilized.

Highlighted / bold indicates analyte exceeded above its respective NYSDEC Unrestricted SCO.

NA - Not Available



Table 4-18
TCL VOCs Soil Analytical Data
Former Fuel Oil Room

TCL VOCs (mg/kg)	NYSDEC Unrestricted SCO	Soil Samples Former Fuel Oil Room										
		FO-1	FO-2	FO-3			FO-4	FO-5	FO-6		FO-7	
		(0.5-1.0')	(0.5-1.0')	(0.5-1.0')	(2.5-3.0')	(6.5-7.0')	(0.5-1.0')	(0.5-1.0')	(0.5-1.0')	(2.5-3.0')	(0.5-1.0')	(4.0-4.5')
1,1,1-Trichloroethane	0.68	0.00088 U	0.00091 U	0.00088 U	0.0011 U	0.0010 U	0.00078 U	0.00077 U	0.00099 U	0.00088 U	0.00080 U	0.0011 U
1,1,2,2-Tetrachloroethane	NA	0.00088 U	0.00091 U	0.00088 U	0.0011 U	0.0010 U	0.00078 U	0.00077 U	0.00099 U	0.00088 U	0.00080 U	0.0011 U
1,1,2-Trichloroethane	NA	0.00088 U	0.00091 U	0.00088 U	0.0011 U	0.0010 U	0.00078 U	0.00077 U	0.00099 U	0.00088 U	0.00080 U	0.0011 U
1,1-Dichloroethane	0.27	0.00088 U	0.00091 U	0.00088 U	0.0011 U	0.0010 U	0.00078 U	0.00077 U	0.00099 U	0.00088 U	0.00080 U	0.0011 U
1,1-Dichloroethene	0.33	0.00088 U	0.00091 U	0.00088 U	0.0011 U	0.0010 U	0.00078 U	0.00077 U	0.00099 U	0.00088 U	0.00080 U	0.0011 U
1,2,3-Trichlorobenzene	NA	0.00088 U	0.00091 U	0.00088 U	0.0011 U	0.0010 U	0.00078 U	0.00077 U	0.00099 U	0.00088 U	0.00080 U	0.0011 U
1,2,4-Trichlorobenzene	NA	0.00088 U	0.00091 U	0.00088 U	0.0011 U	0.0010 U	0.00078 U	0.00077 U	0.00099 U	0.00088 U	0.00080 U	0.0011 U
1,2-Dibromo-3-Chloropropane	NA	0.00088 U	0.00091 U	0.00088 U	0.0011 U	0.0010 U	0.00078 U	0.00077 U	0.00099 U R	0.00088 U R	0.00080 U	0.0011 U
1,2-Dibromoethane	NA	0.00088 U	0.00091 U	0.00088 U	0.0011 U	0.0010 U	0.00078 U	0.00077 U	0.00099 U	0.00088 U	0.00080 U	0.0011 U
1,2-Dichlorobenzene	1.1	0.00088 U	0.00091 U	0.00088 U	0.0011 U	0.0010 U	0.00078 U	0.00077 U	0.00099 U	0.00088 U	0.00080 U	0.0011 U
1,2-Dichloroethane	0.02	0.00088 U	0.00091 U	0.00088 U	0.0011 U	0.0010 U	0.00078 U	0.00077 U	0.00099 U	0.00088 U	0.00080 U	0.0011 U
1,2-Dichloropropane	NA	0.00088 U	0.00091 U	0.00088 U	0.0011 U	0.0010 U	0.00078 U	0.00077 U	0.00099 U	0.00088 U	0.00080 U	0.0011 U
1,3-Dichlorobenzene	2.4	0.00088 U	0.00091 U	0.00088 U	0.0011 U	0.0010 U	0.00078 U	0.00077 U	0.00099 U	0.00088 U	0.00080 U	0.0011 U
1,4-Dichlorobenzene	1.8	0.00088 U	0.00091 U	0.00088 U	0.0011 U	0.0010 U	0.00078 U	0.00077 U	0.00099 U	0.00088 U	0.00080 U	0.0011 U
1,4-Dioxane	0.1	0.044 U	0.046 U	0.044 U	0.054 U	0.052 U	0.039 U	0.039 U	0.049 U	0.044 U	0.040 U	0.053 U
2-Butanone (MEK)	0.12	0.0088 U	0.0091 U	0.0088 U	0.011 U	0.010 U	0.0078 U	0.0077 U	0.0099 U	0.0088 U	0.0080 U	0.011 U
2-Hexanone	NA	0.0088 U	0.0091 U	0.0088 U	0.011 U	0.010 U	0.0078 U	0.0077 U	0.0099 U	0.0088 U	0.0080 U	0.011 U
4-Methyl-2-pentanone	NA	0.0088 U	0.0091 U	0.0088 U	0.011 U	0.010 U	0.0078 U	0.0077 U	0.0099 U	0.0088 U	0.0080 U	0.011 U
Acetone	0.05	0.0088 U	0.0091 U	0.0088 U	0.0071 J	0.0050 J	0.0078 U	0.019	0.0099 U	0.0088 U	0.0080 U	0.011 U
Benzene	0.06	0.00088 U	0.00091 U	0.00088 U	0.0011 U	0.0010 U	0.00078 U	0.00077 U	0.00099 U	0.00088 U	0.00080 U	0.0011 U
Bromochloromethane	NA	0.00088 U	0.00091 U	0.00088 U	0.0011 U	0.0010 U	0.00078 U	0.00077 U	0.00099 U	0.00088 U	0.00080 U	0.0011 U
Bromodichloromethane	NA	0.00088 U	0.00091 U	0.00088 U	0.0011 U	0.0010 U	0.00078 U	0.00077 U	0.00099 U	0.00088 U	0.00080 U	0.0011 U
Bromoform	NA	0.00088 U	0.00091 U	0.00088 U	0.0011 U	0.0010 U	0.00078 U	0.00077 U	0.00099 U	0.00088 U	0.00080 U	0.0011 U
Bromomethane	NA	0.00088 U	0.00091 U	0.00088 U	0.0011 U	0.0010 U	0.00078 U	0.00077 U	0.00099 U	0.00088 U	0.00080 U	0.0011 U
Carbon disulfide	NA	0.00088 U	0.00091 U	0.00088 U	0.0011 U	0.0010 U	0.00078 U	0.0014	0.00099 U	0.00088 U	0.00080 U	0.0011 U
Carbon tetrachloride	0.76	0.00088 U	0.00091 U	0.00088 U	0.0011 U	0.0010 U	0.00078 U	0.00077 U	0.00099 U	0.00088 U	0.00080 U	0.0011 U
Chlorobenzene	1.1	0.00088 U	0.00091 U	0.00088 U	0.0011 U	0.0010 U	0.00078 U	0.00077 U	0.00099 U	0.00088 U	0.00080 U	0.0011 U
Chloroethane	NA	0.00088 U	0.00091 U	0.00088 U	0.0011 U	0.0010 U	0.00078 U	0.00077 U	0.00099 U	0.00088 U	0.00080 U	0.0011 U
Chloroform	0.37	0.00088 U	0.00091 U	0.00088 U	0.0011 U	0.0010 U	0.00078 U	0.00077 U	0.00099 U	0.00088 U	0.00080 U	0.0011 U
Chloromethane	NA	0.00088 U	0.00091 U	0.00088 U	0.0011 U	0.0010 U	0.00078 U	0.00077 U	0.00099 U	0.00088 U	0.00080 U	0.0011 U
cis-1,2-Dichloroethene	0.25	0.00088 U	0.00091 U	0.00088 U	0.00028 J	0.0010 U	0.00078 U	0.00077 U	0.00099 U	0.00088 U	0.00080 U	0.0011 U
cis-1,3-Dichloropropene	NA	0.00088 U	0.00091 U	0.00088 U	0.0011 U	0.0010 U	0.00078 U	0.00077 U	0.00099 U	0.00088 U	0.00080 U	0.0011 U
Cyclohexane	NA	0.00088 U	0.00091 U	0.00088 U	0.0011 U	0.0010 U	0.00078 U	0.00077 U	0.00099 U	0.00088 U	0.00080 U	0.0011 U
Dibromochloromethane	NA	0.00088 U	0.00091 U	0.00088 U	0.0011 U	0.0010 U	0.00078 U	0.00077 U	0.00099 U	0.00088 U	0.00080 U	0.0011 U
Dichlorodifluoromethane	NA	0.00088 U	0.00091 U	0.00088 U	0.0011 U	0.0010 U	0.00078 U	0.00077 U	0.00099 U	0.00088 U	0.00080 U	0.0011 U
Ethylbenzene	1	0.00088 U	0.00091 U	0.00088 U	0.0011 U	0.0010 U	0.00078 U	0.00077 U	0.00099 U	0.00088 U	0.00080 U	0.0011 U
Freon 113	NA	0.00088 U	0.00091 U	0.00088 U	0.0011 U	0.0010 U	0.00078 U	0.00077 U	0.00099 U	0.00088 U	0.00080 U	0.0011 U
Isopropylbenzene	NA	0.00088 U	0.00091 U	0.00088 U	0.0011 U	0.0010 U	0.00078 U	0.00077 U	0.00099 U	0.00088 U	0.00080 U	0.0011 U
m&p-Xylene	0.26	0.0018 U	0.0018 U	0.0018 U	0.0022 U	0.0021 U	0.0016 U	0.00048 J	0.0020 U	0.0018 U	0.0016 U	0.0021 U
Methyl acetate	NA	0.00088 U	0.00091 U	0.00088 U	0.0011 U	0.0010 U	0.00078 U	0.00077 U	0.00099 U	0.00088 U	0.00080 U	0.0011 U
Methylcyclohexane	NA	0.00088 U	0.00091 U	0.00088 U	0.0011 U	0.0010 U	0.00078 U	0.00077 U	0.00099 U	0.00088 U	0.00080 U	0.0011 U
Methylene Chloride	0.05	0.00056 J	0.00058 J	0.00067 J B	0.0021	0.00069 J	0.00050 J	0.00077 U	0.00099 U	0.00088 U	0.00056 J	0.0012
MTBE	0.93	0.00088 U	0.00031 J	0.00088 U	0.0011 U	0.0010 U	0.00078 U	0.00077 U	0.00099 U	0.00088 U	0.00080 U	0.0011 U
o-Xylene	0.26	0.00088 U	0.00091 U	0.00088 U	0.0011 U	0.0010 U	0.00078 U	0.00047 J	0.00099 U	0.00088 U	0.00080 U	0.0011 U
Styrene	NA	0.00088 U	0.00091 U	0.00088 U	0.0011 U	0.0010 U	0.00078 U	0.00028 J	0.00099 U	0.00088 U	0.00080 U	0.0011 U
Tetrachloroethene	1.3	0.00088 U	0.00091 U	0.00088 U	0.0011 U	0.0010 U	0.00078 U	0.00077 U	0.00099 U	0.00088 U	0.00080 U	0.0011 U
Toluene	0.7	0.00052 J	0.00045 J	0.0012	0.0031	0.0010	0.00032 J	0.00010 J	0.00099 U	0.0027	0.00036 J	0.0011 U
trans-1,2-Dichloroethene	0.19	0.00088 U	0.00091 U	0.00026 J	0.0011 U	0.0010 U	0.00078 U	0.00077 U	0.00099 U	0.00088 U	0.00080 U	0.0011 U
trans-1,3-Dichloropropene	NA	0.00088 U	0.00091 U	0.00088 U	0.0011 U	0.0010 U	0.00078 U	0.00077 U	0.00099 U	0.00088 U	0.00080 U	0.0011 U
Trichloroethene	0.47	0.00088 U	0.00091 U	0.00088 U	0.0011 U	0.0010 U	0.00078 U	0.00077 U	0.00099 U	0.00088 U	0.00080 U	0.0011 U
Trichlorofluoromethane	NA	0.00020 J	0.00091 U	0.00088 U	0.0017	0.00039 J	0.00010 J	0.00077 U	0.00099 U	0.00088 U	0.00080 U	0.0011 U
Vinyl chloride	0.02	0.00088 U	0.00091 U	0.00088 U	0.0011 U	0.0010 U	0.00078 U	0.00077 U	0.00099 U	0.00088 U	0.00080 U	0.0011 U
Xylenes, Total	0.26	0.00088 U	0.00091 U	0.00088 U	0.0011 U	0.0010 U	0.00078 U	0.00077 U	0.00099 U	0.00088 U	0.00080 U	0.0011 U
Naphthalene	12	0.0027 U	0.0027 U	0.0026 U	0.0032 U	0.0031 U	0.0023 U	0.00076 J	0.0030 U	0.0026 U	0.0024 U	0.0032 U

Notes

J : Indicates an estimated value.

J B : The analyte was found in an associated blank, as well as in the sample.

J N : Indicates an estimated value.

U : Analyzed for but not detected.

U R : Indicates that value is rejected based upon DUSR review by third party data validator.

Total xylenes SCO utilized for all isomers

Highlighted / bolded indicates analyte exceeded above its respective NYSDEC Unrestricted SCO.

NA - Not Available



Table 4-19
Soil TCL SVOC Analytical Data
Former Fuel Oil Room

TCL SVOCs (mg/kg)	NYSDEC Unrestricted SCO	Soil Samples Former Fuel Oil Room										
		FO-1	FO-2	FO-3			FO-4	FO-5	FO-6		FO-7	
		(0.5-1.0')	(0.5-1.0')	(0.5-1.0')	(2.5-3.0')	(6.5-7.0')	(0.5-1.0')	(0.5-1.0')	(0.5-1.0')	(2.5-3.0')	(0.5-1.0')	(4.0-4.5')
1,2,4,5-Tetrachlorobenzene	NA	0.39 U R	2.0 U R	0.44 U R	0.41 U R	0.41 U R	0.38 U R	0.36 U	0.36 U R	0.36 U R	0.36 U R	0.36 U R
1,4-Dioxane	0.1	0.39 U	2.0 U	0.44 U	0.41 U	0.41 U	0.38 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U
2,2'-oxybis[1-chloropropane]	NA	0.39 U	2.0 U	0.44 U	0.41 U	0.41 U	0.38 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U
2,3,4,6-Tetrachlorophenol	NA	0.39 U R	2.0 U R	0.44 U R	0.41 U R	0.41 U R	0.38 U R	0.36 U	0.36 U	0.36 U	0.36 U R	0.36 U R
2,4,5-Trichlorophenol	NA	0.39 U	2.0 U	0.44 U	0.41 U	0.41 U	0.38 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U
2,4,6-Trichlorophenol	NA	0.39 U	2.0 U	0.44 U	0.41 U	0.41 U	0.38 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U
2,4-Dichlorophenol	NA	0.39 U	2.0 U	0.44 U	0.41 U	0.41 U	0.38 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U
2,4-Dimethylphenol	NA	0.39 U	2.0 U	0.44 U	0.41 U	0.41 U	0.38 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U
2,4-Dinitrophenol	NA	1.2 U	6.0 U	1.3 U	1.2 U	1.3 U	1.2 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
2,4-Dinitrotoluene	NA	0.079 U	0.40 U	0.090 U	0.082 U	0.084 U	0.077 U	0.074 U	0.074 U	0.074 U	0.074 U	0.074 U
2,6-Dinitrotoluene	NA	0.079 U	0.40 U	0.090 U	0.082 U	0.084 U	0.077 U	0.074 U	0.074 U	0.074 U	0.074 U	0.074 U
2-Chloronaphthalene	NA	0.39 U	2.0 U	0.44 U	0.41 U	0.41 U	0.38 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U
2-Chlorophenol	NA	0.39 U	2.0 U	0.44 U	0.41 U	0.41 U	0.38 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U
2-Methylnaphthalene	NA	0.39 U	2.0 U	0.44 U	0.41 U	0.41 U	0.38 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U
2-Methylphenol	0.33	0.39 U	2.0 U	0.44 U	0.41 U	0.41 U	0.38 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U
2-Nitroaniline	NA	0.79 U	4.0 U	0.90 U	0.82 U	0.84 U	0.77 U	0.74 U	0.74 U	0.74 U	0.74 U	0.74 U
2-Nitrophenol	NA	0.39 U	2.0 U	0.44 U	0.41 U	0.41 U	0.38 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U
3,3'-Dichlorobenzidine	NA	0.79 U	4.0 U	0.90 U	0.82 U	0.84 U	0.77 U	0.74 U	0.74 U	0.74 U	0.74 U	0.74 U
3-Nitroaniline	NA	0.79 U	4.0 U	0.90 U	0.82 U	0.84 U	0.77 U	0.74 U	0.74 U	0.74 U	0.74 U	0.74 U
4,6-Dinitro-2-methylphenol	NA	1.2 U	6.0 U	1.3 U	1.2 U	1.3 U	1.2 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
4-Bromophenyl phenyl ether	NA	0.39 U	2.0 U	0.44 U	0.41 U	0.41 U	0.38 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U
4-Chloro-3-methylphenol	NA	0.39 U	2.0 U	0.44 U	0.41 U	0.41 U	0.38 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U
4-Chloroaniline	NA	0.39 U	2.0 U	0.44 U	0.41 U	0.41 U	0.38 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U
4-Chlorophenyl phenyl ether	NA	0.39 U	2.0 U	0.44 U	0.41 U	0.41 U	0.38 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U
4-Methylphenol	0.33	0.39 U	2.0 U	0.44 U	0.41 U	0.41 U	0.38 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U
4-Nitroaniline	NA	0.79 U	4.0 U	0.90 U	0.82 U	0.84 U	0.77 U	0.74 U	0.74 U	0.74 U	0.74 U	0.74 U
4-Nitrophenol	NA	1.2 U	6.0 U	1.3 U	1.2 U	1.3 U	1.2 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Acenaphthene	20	0.39 U	2.0 U	0.44 U	0.41 U	0.41 U	0.38 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U
Acenaphthylene	100	0.39 U	2.0 U	0.44 U	0.41 U	0.41 U	0.38 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U
Acetophenone	NA	0.39 U	2.0 U	0.44 U	0.41 U	0.41 U	0.38 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U
Anthracene	100	0.39 U	2.0 U	0.44 U	0.41 U	0.41 U	0.38 U	0.36 U	0.36 U	0.045 J	0.36 U	0.36 U
Atrazine	NA	0.39 U	2.0 U	0.44 U	0.41 U	0.41 U	0.38 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U
Benzaldehyde	NA	0.39 U	2.0 U	0.44 U	0.41 U	0.41 U	0.38 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U
Benzo[a]anthracene	1	0.039 U	0.20 U	0.095	0.041 U	0.041 U	0.10	0.036 U	0.015 J	0.20	0.036 U	0.036 U
Benzo[a]pyrene	1	0.039 U	0.20 U	0.089	0.041 U	0.041 U	0.11	0.036 U	0.0082 J	0.19	0.036 U	0.036 U
Benzo[b]fluoranthene	1	0.039 U	0.20 U	0.11	0.041 U	0.041 U	0.21	0.036 U	0.036 U	0.19	0.036 U	0.036 U
Benzo[g,h,i]perylene	100	0.39 U	2.0 U	0.071 J	0.41 U	0.41 U	0.095 J	0.36 U	0.36 U	0.16 J	0.36 U	0.36 U
Benzo[k]fluoranthene	0.8	0.039 U	0.20 U	0.028 J	0.041 U	0.041 U	0.038 U	0.036 U	0.036 U	0.078	0.036 U	0.036 U
Bis(2-chloroethoxy)methane	NA	0.39 U	2.0 U	0.44 U	0.41 U	0.41 U	0.38 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U
Bis(2-chloroethyl)ether	NA	0.039 U	0.20 U	0.044 U	0.041 U	0.041 U	0.038 U	0.036 U	0.036 U	0.036 U	0.036 U	0.036 U
Bis(2-ethylhexyl) phthalate	NA	0.39 U	0.80 J	0.44 U	0.41 U	0.41 U	0.38 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U
Butyl benzyl phthalate	NA	0.39 U	2.0 U	0.44 U	0.41 U	0.41 U	0.38 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U
Caprolactam	NA	0.39 U	2.0 U	0.44 U	0.41 U	0.41 U	0.38 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U
Carbazole	NA	0.39 U	2.0 U	0.44 U	0.41 U	0.41 U	0.38 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U
Chrysene	1	0.39 U	2.0 U	0.098 J	0.41 U	0.41 U	0.12 J	0.36 U	0.36 U	0.25 J	0.36 U	0.36 U
Dibenz(a,h)anthracene	0.33	0.039 U	0.20 U	0.018 J	0.041 U	0.041 U	0.038 U	0.036 U	0.036 U	0.028 J	0.036 U	0.036 U
Dibenzofuran	7	0.39 U	2.0 U	0.44 U	0.41 U	0.41 U	0.38 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U
Diethyl phthalate	NA	0.39 U	2.0 U	0.44 U	0.41 U	0.41 U	0.38 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U
Dimethyl phthalate	NA	0.39 U	2.0 U	0.44 U	0.41 U	0.41 U	0.38 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U
Di-n-butyl phthalate	NA	0.39 U	2.0 U	0.44 U	0.41 U	0.41 U	0.38 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U
Di-n-octyl phthalate	NA	0.39 U	2.0 U	0.44 U	0.41 U	0.41 U	0.38 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U
Diphenyl	NA	0.39 U	2.0 U	0.44 U	0.41 U	0.41 U	0.38 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U
Fluoranthene	100	0.39 U	2.0 U	0.14 J	0.41 U	0.41 U	0.21 J	0.36 U	0.36 U	0.40	0.36 U	0.36 U
Fluorene	30	0.39 U	2.0 U	0.44 U	0.41 U	0.41 U	0.38 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U
Hexachlorobenzene	0.33	0.039 U	0.20 U	0.044 U	0.041 U	0.041 U	0.038 U	0.036 U	0.036 U	0.036 U	0.036 U	0.036 U
Hexachlorobutadiene	NA	0.079 U	0.40 U	0.090 U	0.082 U	0.084 U	0.077 U	0.074 U	0.074 U	0.074 U	0.074 U	0.074 U
Hexachlorocyclopentadiene	NA	0.39 U	2.0 U	0.44 U	0.41 U	0.41 U	0.38 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U
Hexachloroethane	NA	0.039 U	0.20 U	0.044 U	0.041 U	0.041 U	0.038 U	0.036 U	0.036 U	0.036 U	0.036 U	0.036 U
Indeno[1,2,3-cd]pyrene	0.5	0.039 U	0.20 U	0.050	0.041 U	0.041 U	0.094	0.036 U	0.036 U	0.12	0.036 U	0.036 U
Isophorone	NA	0.39 U	2.0 U	0.44 U	0.41 U	0.41 U	0.38 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U
Naphthalene	12	0.39 U	2.0 U	0.44 U	0.41 U	0.41 U	0.38 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U
Nitrobenzene	NA	0.039 U	0.20 U	0.044 U	0.041 U	0.041 U	0.038 U	0.036 U	0.036 U	0.036 U	0.036 U	0.036 U
N-Nitrosodi-n-propylamine	NA	0.039 U	0.20 U	0.044 U	0.041 U	0.041 U	0.038 U	0.036 U	0.036 U	0.036 U	0.036 U	0.036 U
N-Nitrosodiphenylamine	NA	0.39 U	2.0 U	0.44 U	0.41 U	0.41 U	0.38 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U
Pentachlorophenol	0.8	1.2 U	6.0 U	1.3 U	1.2 U	1.3 U	1.2 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Phenanthrene	100	0.39 U	2.0 U	0.10 J	0.41 U	0.41 U	0.092 J	0.36 U	0.36 U	0.43	0.36 U	0.36 U
Phenol	0.33	0.39 U	2.0 U	0.44 U	0.41 U	0.41 U	0.38 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U
Pyrene	100	0.39 U	2.0 U	0.18 J	0.41 U	0.41 U	0.20 J	0.36 U	0.36 U	0.47	0.36 U	0.36 U
Pyridine	NA	0.39 U	2.0 U	0.44 U	0.41 U	0.41 U	0.38 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U

Notes

ND: TIC not detected

J : Indicates an estimated value.

J N : This flag indicates the presumptive evidence of a compound.

U : Analyzed for but not detected.

U R : Indicates that value is rejected based upon DUSR review by third party data validator.

Highlighted / bolded indicates analyte exceeded above its respective NYSDEC Unrestricted SCO.

NA - Not Available



Table 4-20
TAL Metals Soil Analytical Data
Former Fuel Oil Room

TAL Metals (mg/kg)	NYSDEC Unrestricted SCO	Soil Samples Former Fuel Oil Room										
		FO-1	FO-2	FO-3			FO-4	FO-5	FO-6		FO-7	
		(0.5-1.0')	(0.5-1.0')	(0.5-1.0')	(2.5-3.0')	(6.5-7.0')	(0.5-1.0')	(0.5-1.0')	(0.5-1.0')	(2.5-3.0')	(0.5-1.0')	(4.0-4.5')
Aluminum	NA	7,150	11,800	9,500	8,590	9,640	6,150	2,900	1,530	6,270	7,130	7,900
Antimony	NA	2.2 U	2.4 U	2.5 U	2.2 U	2.3 U	2.1 U	2.2 U	2.1 U	2.2 U	2.1 U	2.1 U
Arsenic	13	2.5	4.3	14.9	3.7	1.9	3.7	1.1	1.0 U	5.6	2.4	4.5
Barium	350	47.7	104	94.4	68.3	73.5	40.5 J	13.3 J	6.5 J	35.4 J	26.4 J	63.8
Beryllium	7.2	0.34 J	0.60	0.55	0.50	0.45 J	0.29 J	0.24 J	0.41 U	0.28 J	0.18 J	0.42 U
Cadmium	2.5	0.50 J	0.52 J	1.1 J	0.69 J	0.27 J	0.75 J	1.1 U	1.0 U	1.1 U	1.1 U	1.0 U
Calcium	NA	629 J	3,710	9,420	1,380	1,680	36,200	747 J	322 J	1,740	1,650	1,160
Chromium ¹	30	17.8	25.5	27.5	23.4	26.5	27.0	14.6	2.8	22.9	36.1	43.8
Cobalt	NA	5.4 J	10.8 J	9.9 J	5.8 J	4.5 J	4.5 J	2.9 J	10.3 U	5.1 J	5.1 J	17.9
Copper	50	6.0	26.9	36.8	13.2	19.9	61.4	7.7	5.2 U	165	7.5	11.2
Iron	NA	11,800	23,100	34,700	15,100	12,300	13,100	9,750	959	14,000	13,100	40,100
Lead	63	40.9	25.9	30.8	9.3	11.0	47.8	2.5	2.7	18.6	5.9	6.4
Magnesium	NA	1,970	4,610	3,780	2,590	2,900	20,100	615 J	123 J	1,680	1,680	1,560
Manganese	1,600	263	289	881	82.7	82.8	375	158	11.3	412	290	2,890
Nickel	30	8.0 J	19.8	15.8	15.3	14.3	14.2	5.3 J	8.3 U	12.5	9.0	14.3
Potassium	NA	514 J	2780	1830	1720	1700	794 J	356 J	156 J	857 J	451 J	624 J
Selenium	3.9	2.2 U	2.4 U	2.5 U	2.2 U	2.3 U	2.1 U	2.2 U	2.1 U	2.2 U	2.1 U	2.1 U
Silver	2	1.3 J	2.4 U	1.5 J	2.2 U	2.3 U	10.8	2.2 U	2.1 U	1.1 J	2.1 U	2.1 U
Sodium	NA	1,080 U	1,210 U	1,240 U	1,120 U	1,160 U	1,040 U	1,090 U	1,030 U	1,100 U	1,050 U	1,050 U
Thallium	NA	2.2 U	2.4 U	2.5 U	2.2 U	2.3 U	2.1 U	2.2 U	2.1 U	2.2 U	2.1 U	2.1 U
Vanadium	NA	17.2	29.6	31.7	22.9	24.0	40.3	8.3 J	1.7 J	16.4	17.7	23.6
Zinc	109	21.9	83.4	73.9	53.9	50.3	86.1	10.6	2.4 J	81.7	33.6	129
Mercury	0.18	0.10	0.022	0.048	0.016 J	0.021 U	0.040	0.019 U	0.018 U	0.032	0.020	0.022

Notes
J : Sample result is greater than the MDL but below the CRDL
U : Indicates analyzed for but not detected.
¹ Trivalent chromium SCOs utilized.
Highlighted / bolded indicates analyte exceeded above its respective NYSDEC Unrestricted SCO.
NA - Not Available



Table 4-21
TCL VOCs Soil Analytical Data
Former Miscellaneous South Lot Areas

TCL VOCs (mg/kg)	NYSDEC Unrestricted SCO	Soil Samples Former Miscellaneous South Lot Areas																		
		SL-1			SL-2			SL-3			SL-4		SL-5		SL-6		SL-7			
		(0.5-1.0')	(4.0-4.5')	(6.0-6.5')	(0.5-1.0')	(3.0-3.5')	(7.0-7.5')	(0.5-1.0')	(4.0-4.5')	(7.0-7.5')	(0.5-1.0')	(2.0-2.5')	(0.5-1.0')	(1.0-1.5')	(0.5-1.0')	(1.5-2.0')	(2.0-2.5')	(0.5-1.0')	(3.0-3.5')	(7.0-7.5')
1,1,1-Trichloroethane	0.68	0.00093 U	0.00099 U	0.00071 J	0.00083 U	0.00096 U	0.00099 U	0.00011 U	0.00080 U	0.00011 U	0.00082 U	0.00082 U	0.00096 U	0.00095 U	0.00097 U	0.00015 U	0.00084 U	0.00077 U	0.00077 U	0.00099 U
1,1,2,2-Tetrachloroethane	NA	0.00093 U	0.00099 U	0.00092 U	0.00083 U	0.00096 U	0.00099 U	0.00011 U	0.00080 U	0.00011 U	0.00082 U	0.00082 U	0.00096 U	0.00095 U	0.00097 U	0.00015 U	0.00084 U	0.00077 U	0.00077 U	0.00099 U
1,1,2-Trichloroethane	NA	0.00093 U	0.00099 U	0.00092 U	0.00083 U	0.00096 U	0.00099 U	0.00011 U	0.00080 U	0.00011 U	0.00082 U	0.00082 U	0.00096 U	0.00095 U	0.00097 U	0.00015 U	0.00084 U	0.00077 U	0.00077 U	0.00099 U
1,1-Dichloroethane	0.27	0.00093 U	0.00099 U	0.00092 U	0.00083 U	0.00096 U	0.00099 U	0.00011 U	0.00080 U	0.00011 U	0.00082 U	0.00082 U	0.00096 U	0.00095 U	0.00097 U	0.00015 U	0.00084 U	0.00077 U	0.00077 U	0.00099 U
1,1-Dichloroethene	0.33	0.00093 U	0.00099 U	0.00092 U	0.00083 U	0.00096 U	0.00099 U	0.00011 U	0.00080 U	0.00011 U	0.00082 U	0.00082 U	0.00096 U	0.00095 U	0.00097 U	0.00015 U	0.00084 U	0.00077 U	0.00077 U	0.00099 U
1,2,3-Trichlorobenzene	NA	0.00093 U	0.00099 U	0.00092 U	0.00083 U	0.00096 U	0.00099 U	0.00011 U	0.00080 U	0.00011 U	0.00082 U	0.00082 U	0.00096 U	0.00095 U	0.00097 U	0.00015 U	0.00084 U	0.00077 U	0.00077 U	0.00099 U
1,2,4-Trichlorobenzene	NA	0.00093 U	0.00099 U	0.00092 U	0.00083 U	0.00096 U	0.00099 U	0.00011 U	0.00080 U	0.00011 U	0.00082 U	0.00082 U	0.00096 U	0.00095 U	0.00097 U	0.00015 U	0.00084 U	0.00077 U	0.00077 U	0.00099 U
1,1,2-Dibromo-3-Chloropropane	NA	0.00093 U	0.00099 U	0.00092 U	0.00083 U R	0.00096 U R	0.00099 U R	0.00011 U	0.00080 U	0.00011 U	0.00082 U	0.00082 U	0.00096 U	0.00095 U	0.00097 U	0.00015 U	0.00084 U	0.00077 U	0.00077 U	0.00099 U
1,2-Dibromoethane	NA	0.00093 U	0.00099 U	0.00092 U	0.00083 U	0.00096 U	0.00099 U	0.00011 U	0.00080 U	0.00011 U	0.00082 U	0.00082 U	0.00096 U	0.00095 U	0.00097 U	0.00015 U	0.00084 U	0.00077 U	0.00077 U	0.00099 U
1,2-Dichlorobenzene	1.1	0.00093 U	0.00099 U	0.00092 U	0.00083 U	0.00096 U	0.00099 U	0.00011 U	0.00080 U	0.00011 U	0.00082 U	0.00082 U	0.00096 U	0.00095 U	0.00097 U	0.00015 U	0.00084 U	0.00077 U	0.00077 U	0.00099 U
1,2-Dichloroethane	0.02	0.00093 U	0.00099 U	0.00092 U	0.00083 U	0.00096 U	0.00099 U	0.00011 U	0.00080 U	0.00011 U	0.00082 U	0.00082 U	0.00096 U	0.00095 U	0.00097 U	0.00015 U	0.00084 U	0.00077 U	0.00077 U	0.00099 U
1,2-Dichloropropane	NA	0.00093 U	0.00099 U	0.00092 U	0.00083 U	0.00096 U	0.00099 U	0.00011 U	0.00080 U	0.00011 U	0.00082 U	0.00082 U	0.00096 U	0.00095 U	0.00097 U	0.00015 U	0.00084 U	0.00077 U	0.00077 U	0.00099 U
1,3-Dichlorobenzene	2.4	0.00093 U	0.00099 U	0.00092 U	0.00083 U	0.00096 U	0.00099 U	0.00011 U	0.00080 U	0.00011 U	0.00082 U	0.00082 U	0.00096 U	0.00095 U	0.00097 U	0.00015 U	0.00084 U	0.00077 U	0.00077 U	0.00099 U
1,4-Dichlorobenzene	1.8	0.00093 U	0.00099 U	0.00092 U	0.00083 U	0.00096 U	0.00099 U	0.00011 U	0.00080 U	0.00011 U	0.00082 U	0.00082 U	0.00096 U	0.00095 U	0.00097 U	0.00015 U	0.00084 U	0.00077 U	0.00077 U	0.00099 U
1,4-Dioxane	0.1	0.046 U	0.049 U	0.046 U	0.041 U	0.048 U	0.049 U	0.053 U	0.040 U	0.054 U	0.044 U	0.041 U	0.048 U	0.047 U	0.049 U	0.074 U	0.042 U	0.039 U	0.039 U	0.050 U
2-Butanone (MEK)	0.12	0.0093 U	0.0099 U	0.0092 U	0.0083 U	0.0096 U	0.0099 U	0.011 U	0.0080 U	0.011 U	0.0087 U	0.0082 U	0.0096 U	0.0095 U	0.0097 U	0.036	0.0084 U	0.0077 U	0.0077 U	0.0099 U
2-Hexanone	NA	0.0093 U	0.0099 U	0.0092 U	0.0083 U	0.0096 U	0.0099 U	0.011 U	0.0080 U	0.011 U	0.0087 U	0.0082 U	0.0096 U	0.0095 U	0.0097 U	0.015 U	0.0084 U	0.0077 U	0.0077 U	0.0099 U
4-Methyl-2-pentanone	NA	0.0093 U	0.0099 U	0.0092 U	0.0083 U	0.0096 U	0.0099 U	0.011 U	0.0080 U	0.011 U	0.0087 U	0.0082 U	0.0096 U	0.0095 U	0.0097 U	0.015 U	0.0084 U	0.0077 U	0.0077 U	0.0099 U
Acetone	0.05	0.0093 U	0.0099 U	0.0092 U	0.0083 U	0.0096 U	0.0099 U	0.011 U	0.0080 U	0.011 U	0.0082 U	0.0082 U	0.012 B	0.013 B	0.012 B	0.20 B	0.015 B	0.0096 B	0.0077 U	0.032 B
Benzene	0.06	0.00093 U	0.00099 U	0.00092 U	0.00083 U	0.00096 U	0.00099 U	0.00011 U	0.00080 U	0.00011 U	0.00087 U	0.00082 U	0.00096 U	0.00095 U	0.00097 U	0.00028 J	0.00084 U	0.00077 U	0.00077 U	0.00099 U
Bromochloromethane	NA	0.00093 U	0.00099 U	0.00092 U	0.00083 U	0.00096 U	0.00099 U	0.00011 U	0.00080 U	0.00011 U	0.00087 U	0.00082 U	0.00096 U	0.00095 U	0.00097 U	0.00015 U	0.00084 U	0.00077 U	0.00077 U	0.00099 U
Bromodichloromethane	NA	0.00093 U	0.00099 U	0.00092 U	0.00083 U	0.00096 U	0.00099 U	0.00011 U	0.00080 U	0.00011 U	0.00087 U	0.00082 U	0.00096 U	0.00095 U	0.00097 U	0.00015 U	0.00084 U	0.00077 U	0.00077 U	0.00099 U
Bromoform	NA	0.00093 U	0.00099 U	0.00092 U	0.00083 U	0.00096 U	0.00099 U	0.00011 U	0.00080 U	0.00011 U	0.00087 U	0.00082 U	0.00096 U	0.00095 U	0.00097 U	0.00015 U	0.00084 U	0.00077 U	0.00077 U	0.00099 U
Bromomethane	NA	0.00093 U	0.00099 U	0.00092 U	0.00083 U	0.00096 U	0.00099 U	0.00011 U	0.00080 U	0.00011 U	0.00087 U	0.00082 U	0.00096 U	0.00095 U	0.00097 U	0.00015 U	0.00084 U	0.00077 U	0.00077 U	0.00099 U
Carbon disulfide	NA	0.00093 U	0.00099 U	0.00092 U	0.00083 U	0.00096 U	0.00099 U	0.00011 U	0.00021 J	0.00011 U	0.00087 U	0.00082 U	0.00096 U	0.00095 U	0.00097 U	0.00016	0.00050 J	0.00077 U	0.00031 J	0.00099 U
Carbon tetrachloride	0.76	0.00093 U	0.00099 U	0.00092 U	0.00083 U	0.00096 U	0.00099 U	0.00011 U	0.00080 U	0.00011 U	0.00087 U	0.00082 U	0.00096 U	0.00095 U	0.00097 U	0.00015 U	0.00084 U	0.00077 U	0.00077 U	0.00099 U
Chlorobenzene	1.1	0.00093 U	0.00099 U	0.00092 U	0.00083 U	0.00096 U	0.00099 U	0.00011 U	0.00080 U	0.00011 U	0.00087 U	0.00082 U	0.00096 U	0.00095 U	0.00097 U	0.00015 U	0.00084 U	0.00077 U	0.00077 U	0.00099 U
Chloroethane	NA	0.00093 U	0.00099 U	0.00092 U	0.00083 U	0.00096 U	0.00099 U	0.00011 U	0.00080 U	0.00011 U	0.00087 U	0.00082 U	0.00096 U	0.00095 U	0.00097 U	0.00015 U	0.00084 U	0.00077 U	0.00077 U	0.00099 U
Chloroform	0.37	0.00093 U	0.00099 U	0.00092 U	0.00083 U	0.00096 U	0.00099 U	0.00011 U	0.00080 U	0.00011 U	0.00087 U	0.00082 U	0.00096 U	0.00095 U	0.00097 U	0.00015 U	0.00084 U	0.00077 U	0.00077 U	0.00099 U
Chloromethane	NA	0.00093 U	0.00099 U	0.00092 U	0.00083 U	0.00096 U	0.00099 U	0.00011 U	0.00080 U	0.00011 U	0.00087 U	0.00082 U	0.00096 U	0.00095 U	0.00097 U	0.00015 U	0.00084 U	0.00077 U	0.00077 U	0.00099 U
cis-1,2-Dichloroethene	0.25	0.00093 U	0.00099 U	0.00092 U	0.00053 J	0.00096 U	0.00099 U	0.00011 U	0.00080 U	0.00024 J	0.00087 U	0.00082 U	0.00096 U	0.00095 U	0.00097 U	0.00015 U	0.00084 U	0.00077 U	0.00077 U	0.00099 U
cis-1,3-Dichloropropene	NA	0.00093 U	0.00099 U	0.00092 U	0.00083 U	0.00096 U	0.00099 U	0.00011 U	0.00080 U	0.00011 U	0.00087 U	0.00082 U	0.00096 U	0.00095 U	0.00097 U	0.00015 U	0.00084 U	0.00077 U	0.00077 U	0.00099 U
Cyclohexane	NA	0.00093 U	0.00099 U	0.00092 U	0.00083 U	0.00096 U	0.00099 U	0.00011 U	0.00080 U	0.00011 U	0.00087 U	0.00082 U	0.00096 U	0.00095 U	0.00097 U	0.00035 J	0.00084 U	0.00077 U	0.00077 U	0.00099 U
Dibromochloromethane	NA	0.00093 U	0.00099 U	0.00092 U	0.00083 U	0.00096 U	0.00099 U	0.00011 U	0.00080 U	0.00011 U	0.00087 U	0.00082 U	0.00096 U	0.00095 U	0.00097 U	0.00015 U	0.00084 U	0.00077 U	0.00077 U	0.00099 U
Dichlorodifluoromethane	NA	0.00093 U	0.00099 U	0.00092 U	0.00083 U	0.00096 U	0.00099 U	0.00011 U	0.00080 U	0.00011 U	0.00087 U	0.00082 U	0.00096 U	0.00095 U	0.00097 U	0.00015 U	0.00084 U	0.00077 U	0.00077 U	0.00099 U
Ethylbenzene	1	0.00093 U	0.00099 U	0.00092 U	0.00083 U	0.00096 U	0.00099 U	0.00011 U	0.00080 U	0.00011 U	0.00087 U	0.00082 U	0.00096 U	0.00095 U	0.00097 U	0.00040 J	0.00084 U	0.00077 U	0.00077 U	0.00099 U
Freon 113	NA	0.00093 U	0.00099 U	0.00092 U	0.00083 U	0.00096 U	0.00099 U	0.00011 U	0.00080 U	0.00011 U	0.00087 U	0.00082 U	0.00096 U	0.00095 U	0.00097 U	0.00015 U	0.00084 U	0.00077 U	0.00077 U	0.00099 U
Isopropylbenzene	NA	0.00093 U	0.00099 U	0.00092 U	0.00083 U	0.00096 U	0.00099 U	0.00011 U	0.00080 U	0.00011 U	0.00087 U	0.00082 U	0.00096 U	0.00095 U	0.00097 U	0.00060 J	0.00084 U	0.00077 U	0.00077 U	0.00099 U
m&p-Xylene	0.26	0.0019 U	0.0020 U	0.0018 U	0.0017 U	0.0019 U	0.0020 U	0.0021 U	0.0016 U	0.0022 U	0.0017 U	0.0016 U	0.0019 U	0.0019 U	0.0019 U	0.0030 U	0.0017 U	0.0015 U	0.0015 U	0.0020 U
Methyl acetate	NA	0.00093 U	0.00099 U	0.00092 U	0.00083 U	0.00096 U	0.00099 U	0.00011 U	0.00080 U	0.00011 U	0.00087 U	0.00082 U	0.00096 U	0.00095 U	0.00097 U	0.00015 U	0.00084 U	0.00077 U	0.00077 U	0.00099 U
Methycyclohexane	NA	0.00093 U	0.00099 U	0.00092 U	0.00083 U	0.00096 U	0.00099 U	0.00011 U	0.00080 U	0.00011 U	0.00087 U	0.00082 U	0.00096 U	0.00095 U	0.00097 U	0.00074 J	0.00084 U	0.00077 U	0.00077 U	0.00099 U
Methylene Chloride	0.05	0.00093 U	0.00028 J	0.00022 J	0.00083 U	0.00096 U	0.00099 U	0.00046 J	0.00044 J	0.00011 U	0.00087 U	0.00082 U	0.00096 U	0.00095 U	0.00097 U	0.00015 U	0.00084 U	0.00077 U	0.00077 U	0.00099 U
MTBE	0.93	0.00093 U	0.00099 U	0.00092 U	0.00083 U	0.00096 U	0.00099 U	0.00011 U	0.00080 U	0.00011 U	0.00087 U	0.00082 U	0.00096 U	0.00095 U	0.00097 U	0.00015 U	0.00084 U	0.00077 U	0.00077 U	0.00099 U
o-Xylene	0.26	0.00093 U	0.00099 U	0.00092 U	0.00083 U	0.00096 U	0.00099 U	0.00011 U	0.00080 U	0.00011 U	0.00087 U	0.00082 U	0.00096 U	0.00095 U	0.00097 U	0.00017	0.00055 J	0.00077 U	0.00077 U	0.00099 U
Styrene	NA	0.00093 U	0.00099 U	0.00092 U	0.00083 U	0.00096 U	0.00099 U	0.00011 U	0.00080 U	0.00011 U	0.00087 U	0.00082 U	0.00096 U	0.00095 U	0.00097 U	0.00076 J	0.00084 U	0.00077 U	0.00077 U	0.00099 U
Tetrachloroethene	1.3																			

Notes

J : Indicates an estimated value.

J B : The analyte was found in an associated blank, as well as in the sample.

J N : Indicates an estimated value.

U : Analyzed for but not detected.

U R : Indicates that value is rejected based upon DUSR review by third party data validator.

Total xylenes SCO utilized for all isomers

Highlighted / bolded indicates analyte exceeded above its respective NYSDEC Unrestricted SCO.

NA - Not Available

Table 4-21
TCL VOCs Soil Analytical Data
Former Miscellaneous South Lot Areas

TCL VOCs (mg/kg)	NYSDEC Unrestricted SCO	Soil Samples Former Miscellaneous South Lot Areas																																			
		SL-8				SL-9				SL-10				SL-10A				SL-11				SL-12				SL-20				SL-21				SL-22			
		(0.5-1.0')	(4.5-5.0')	(7.0-7.5')	(0.5-1.0')	(0.5-1.0')	(0.5-1.0')	(5.0-5.5')	(7.5-8.0')	(0.5-1.0')	(4.0-4.5')	(0.5-1.0')	(1.0-1.5')	(3.0-3.5')	(0.5-1.0')	(2.0-2.5')	(3.0-3.5')	(0.5-1.0')	(2.5-3.0')	(4.0-4.5')	(0.5-1.0')	(4.0-4.5')	(5.5-6.0')														
1,1,1-Trichloroethane	0.68	0.00099 U	0.0010 U	0.00090 U	0.0010 U	0.00077 U	0.00086 U	0.00078 U	0.00047 U	0.00096 U	0.00093 U	0.00080 U	0.00084 U	0.00099 U	0.0014 U	0.0049	0.0041	0.0012 U	0.00085 U	0.0010 U	0.00088 U	0.00095 U	0.00095 U														
1,1,2,2-Tetrachloroethane	NA	0.00099 U	0.0010 U	0.00090 U	0.0010 U	0.00077 U	0.00086 U	0.00078 U	0.00047 U	0.00096 U	0.00093 U	0.00080 U	0.00084 U	0.00099 U	0.0014 U	0.00095 U	0.00074 U	0.0012 U	0.00085 U	0.0010 U	0.00088 U	0.00095 U	0.00095 U														
1,1,2-Trichloroethane	NA	0.00099 U	0.0010 U	0.00090 U	0.0010 U	0.00077 U	0.00086 U	0.00078 U	0.00047 U	0.00096 U	0.00093 U	0.00080 U	0.00084 U	0.00099 U	0.0014 U	0.00095 U	0.00074 U	0.0012 U	0.00085 U	0.0010 U	0.00088 U	0.00095 U	0.00095 U														
1,1-Dichloroethane	0.27	0.00099 U	0.00065 J	0.00090 U	0.0010 U	0.00077 U	0.00086 U	0.00078 U	0.00047 U	0.00096 U	0.00093 U	0.00080 U	0.00084 U	0.00099 U	0.0014 U	0.00039 J	0.00038 J	0.0012 U	0.00085 U	0.0010 U	0.00088 U	0.00095 U	0.00095 U														
1,1-Dichloroethene	0.33	0.00099 U	0.0010 U	0.00090 U	0.0010 U	0.00077 U	0.00086 U	0.00078 U	0.00047 U	0.00096 U	0.00093 U	0.00080 U	0.00084 U	0.00099 U	0.0014 U	0.00095 U	0.00074 U	0.0012 U	0.00085 U	0.0010 U	0.00088 U	0.00095 U	0.00095 U														
1,2,3-Trichlorobenzene	NA	0.00099 U	0.0010 U	0.00090 U	0.0010 U	0.00077 U	0.00086 U	0.00078 U	0.00047 U	0.00096 U	0.00093 U	0.00080 U	0.00084 U	0.00099 U	0.0014 U	0.00095 U	0.00074 U	0.0012 U	0.00085 U	0.0010 U	0.00088 U	0.00095 U	0.00095 U														
1,2,4-Trichlorobenzene	NA	0.00099 U	0.0010 U	0.00090 U	0.0010 U	0.00077 U	0.00086 U	0.00078 U	0.00047 U	0.00096 U	0.00093 U	0.00080 U	0.00084 U	0.00099 U	0.0014 U	0.00095 U	0.00074 U	0.0012 U	0.00085 U	0.0010 U	0.00088 U	0.00095 U	0.00095 U														
1,2-Dibromo-3-Chloropropane	NA	0.00099 U	0.0010 U	0.00090 U	0.0010 U	0.00077 U	0.00086 U	0.00078 U	0.00047 U	0.00096 U	0.00093 U	0.00080 U	0.00084 U	0.00099 U	0.0014 U	0.00095 U	0.00074 U	0.0012 U	0.00085 U	0.0010 U	0.00088 U	0.00095 U	0.00095 U														
1,2-Dibromomethane	NA	0.00099 U	0.0010 U	0.00090 U	0.0010 U	0.00077 U	0.00086 U	0.00078 U	0.00047 U	0.00096 U	0.00093 U	0.00080 U	0.00084 U	0.00099 U	0.0014 U	0.00095 U	0.00074 U	0.0012 U	0.00085 U	0.0010 U	0.00088 U	0.00095 U	0.00095 U														
1,2-Dichlorobenzene	1.1	0.00099 U	0.0010 U	0.00090 U	0.0010 U	0.00077 U	0.00086 U	0.00078 U	0.00047 U	0.00096 U	0.00093 U	0.00080 U	0.00084 U	0.00099 U	0.0014 U	0.00095 U	0.00074 U	0.0012 U	0.00085 U	0.0010 U	0.00088 U	0.00095 U	0.00095 U														
1,2-Chloroethane	0.02	0.00099 U	0.0010 U	0.00090 U	0.0010 U	0.00077 U	0.00086 U	0.00078 U	0.00047 U	0.00096 U	0.00093 U	0.00080 U	0.00084 U	0.00099 U	0.0014 U	0.00095 U	0.00074 U	0.0012 U	0.00085 U	0.0010 U	0.00088 U	0.00095 U	0.00095 U														
1,2-Dichloropropane	NA	0.00099 U	0.0010 U	0.00090 U	0.0010 U	0.00077 U	0.00086 U	0.00078 U	0.00047 U	0.00096 U	0.00093 U	0.00080 U	0.00084 U	0.00099 U	0.0014 U	0.00095 U	0.00074 U	0.0012 U	0.00085 U	0.0010 U	0.00088 U	0.00095 U	0.00095 U														
1,3-Dichlorobenzene	2.4	0.00099 U	0.0010 U	0.00090 U	0.0010 U	0.00077 U	0.00086 U	0.00078 U	0.00047 U	0.00096 U	0.00093 U	0.00080 U	0.00084 U	0.00099 U	0.0014 U	0.00095 U	0.00074 U	0.0012 U	0.00085 U	0.0010 U	0.00088 U	0.00095 U	0.00095 U														
1,4-Dichlorobenzene	1.8	0.00099 U	0.0010 U	0.00090 U	0.0010 U	0.00077 U	0.00086 U	0.00078 U	0.00047 U	0.00096 U	0.00093 U	0.00080 U	0.00084 U	0.00099 U	0.0014 U	0.00095 U	0.00074 U	0.0012 U	0.00085 U	0.0010 U	0.00088 U	0.00095 U	0.00095 U														
1,4-Dioxane	0.1	0.049 U	0.050 U	0.045 U	0.038 U	0.043 U	0.023 U	0.048 U	0.039 U	0.047 U	0.048 U	0.040 U	0.039 U	0.048 U	0.070 U	0.048 U	0.037 U	0.058 U	0.043 U	0.052 U	0.044 U	0.047 U	0.047 U														
2-Butanone (MEK)	0.12	0.0099 U	0.012 U	0.090 U	0.010 U	0.0077 U	0.0086 U	0.0078 U	0.0047 U	0.0096 U	0.0093 U	0.0080 U	0.0084 U	0.0099 U	0.014 U	0.0095 U	0.0074 U	0.012 U	0.0085 U	0.010 U	0.012 U	0.0095 U	0.0095 U														
2-Hexanone	NA	0.0099 U	0.010 U	0.090 U	0.010 U	0.0077 U	0.0086 U	0.0078 U	0.0047 U	0.0096 U	0.0093 U	0.0080 U	0.0084 U	0.0099 U	0.014 U	0.0095 U	0.0074 U	0.012 U	0.0085 U	0.010 U	0.0088 U	0.0095 U	0.0095 U														
4-Methyl-2-pentanone	NA	0.0099 U	0.010 U	0.090 U	0.010 U	0.0077 U	0.0086 U	0.0078 U	0.0047 U	0.0096 U	0.0093 U	0.0080 U	0.0084 U	0.0099 U	0.014 U	0.0095 U	0.0074 U	0.012 U	0.0085 U	0.010 U	0.0088 U	0.0095 U	0.0095 U														
Acetone	0.05	0.0099 U	0.0093 B	0.034 B	0.010 U	0.0077 U	0.0086 U	0.0078 U	0.0015 J	0.049 B	0.033 B	0.024 U	0.028 U	0.046 B	0.014 U	0.0041 J	0.0026 J	0.038	0.0027 J	0.013	0.0079	0.0033 J	0.0095 U														
Benzene	0.06	0.00099 U	0.00024 J	0.00090 U	0.0010 U	0.00077 U	0.00086 U	0.00078 U	0.00047 U	0.00096 U	0.00093 U	0.00080 U	0.00084 U	0.00099 U	0.0014 U	0.00095 U	0.00074 U	0.0012 U	0.00085 U	0.0010 U	0.00088 U	0.00095 U	0.00095 U														
Bromochloromethane	NA	0.00099 U	0.0010 U	0.00090 U	0.0010 U	0.00077 U	0.00086 U	0.00078 U	0.00047 U	0.00096 U	0.00093 U	0.00080 U	0.00084 U	0.00099 U	0.0014 U	0.00095 U	0.00074 U	0.0012 U	0.00085 U	0.0010 U	0.00088 U	0.00095 U	0.00095 U														
Bromodichloromethane	NA	0.00099 U	0.0010 U	0.00090 U	0.0010 U	0.00077 U	0.00086 U	0.00078 U	0.00047 U	0.00096 U	0.00093 U	0.00080 U	0.00084 U	0.00099 U	0.0014 U	0.00095 U	0.00074 U	0.0012 U	0.00085 U	0.0010 U	0.00088 U	0.00095 U	0.00095 U														
Bromofrom	NA	0.00099 U	0.0010 U	0.00090 U	0.0010 U	0.00077 U	0.00086 U	0.00078 U	0.00047 U	0.00096 U	0.00093 U	0.00080 U	0.00084 U	0.00099 U	0.0014 U	0.00095 U	0.00074 U	0.0012 U	0.00085 U	0.0010 U	0.00088 U	0.00095 U	0.00095 U														
Bromomethane	NA	0.00099 U	0.0010 U	0.00090 U	0.0010 U	0.00077 U	0.00086 U	0.00078 U	0.00047 U	0.00096 U	0.00093 U	0.00080 U	0.00084 U	0.00099 U	0.0014 U	0.00095 U	0.00074 U	0.0012 U	0.00085 U	0.0010 U	0.00088 U	0.00095 U	0.00095 U														
Carbon disulfide	NA	0.00099 U	0.0015	0.00035 J	0.0010 U	0.00033 J	0.00086 U	0.00078 U	0.00047 U	0.0011	0.0018	0.0019	0.00079 J	0.0010	0.0014 U	0.0010	0.00019 J	0.00035 J	0.00085 U	0.0015	0.00074 J	0.00037 J	0.00095 U														
Carbon tetrachloride	0.76	0.00099 U	0.0010 U	0.00090 U	0.0010 U	0.00077 U	0.00086 U	0.00078 U	0.00047 U	0.00096 U	0.00093 U	0.00080 U	0.00084 U	0.00099 U	0.0014 U	0.00095 U	0.00074 U	0.0012 U	0.00085 U	0.0010 U	0.00088 U	0.00095 U	0.00095 U														
Chlorobenzene	1.1	0.00099 U	0.0010 U	0.00090 U	0.0010 U	0.00077 U	0.00086 U	0.00078 U	0.00047 U	0.00096 U	0.00093 U	0.00080 U	0.00084 U	0.00099 U	0.0014 U	0.00095 U	0.00074 U	0.0012 U	0.00085 U	0.0010 U	0.00088 U	0.00095 U	0.00095 U														
Chloroethane	NA	0.00099 U	0.0010 U	0.00090 U	0.0010 U	0.00077 U	0.00086 U	0.00078 U	0.00047 U	0.00096 U	0.00093 U	0.00080 U	0.00084 U	0.00099 U	0.0014 U	0.00095 U	0.00074 U	0.0012 U	0.00085 U	0.0010 U	0.00088 U	0.00095 U	0.00095 U														
Chloroform	0.37	0.00099 U	0.0010 U	0.00090 U	0.0010 U	0.00077 U	0.00086 U	0.00078 U	0.00047 U	0.00096 U	0.00093 U	0.00080 U	0.00084 U	0.00099 U	0.0014 U	0.00095 U	0.00074 U	0.0012 U	0.00085 U	0.0010 U	0.00088 U	0.00095 U	0.00095 U														
Chloromethane	NA	0.00099 U	0.0010 U	0.00090 U	0.0010 U	0.00077 U	0.00086 U	0.00078 U	0.00047 U	0.00096 U	0.00093 U	0.00080 U	0.00084 U	0.00099 U	0.0014 U	0.00095 U	0.00074 U	0.0012 U	0.00085 U	0.0010 U	0.00088 U	0.00095 U	0.00095 U														
cis-1,2-Dichloroethene	0.25	0.00099 U	0.0010 U	0.00090 U	0.0010 U	0.00077 U	0.00086 U	0.00078 U	0.00047 U	0.00096 U	0.00093 U	0.00080 U	0.00084 U	0.00099 U	0.0014 U	0.00095 U	0.00074 U	0.0012 U	0.00085 U	0.0010 U	0.00088 U	0.00095 U	0.00095 U														
cis-1,3-Dichloropropene	NA	0.00099 U	0.0010 U	0.00090 U	0.0010 U	0.00077 U	0.00086 U	0.00078 U	0.00047 U	0.00096 U	0.00093 U	0.00080 U	0.00084 U	0.00099 U	0.0014 U	0.00095 U	0.00074 U	0.0012 U	0.00085 U	0.0010 U	0.00088 U	0.00095 U	0.00095 U														
Cyclohexane	NA	0.00099 U	0.00075 J	0.00090 U	0.0010 U	0.00077 U	0.00086 U	0.00078 U	0.00047 U	0.00096 U	0.00093 U	0.00080 U	0.00084 U	0.00099 U	0.0014 U	0.00095 U	0.00074 U	0.0012 U	0.00085 U	0.0010 U	0.00088 U	0.00095 U	0.00095 U														
Chloromethylmethane	NA	0.00099 U	0.0010 U	0.00090 U	0.0010 U	0.00077 U	0.00086 U	0.00078 U	0.00047 U	0.00096 U	0.00093 U	0.00080 U	0.00084 U	0.00099 U	0.0014 U	0.00095 U	0.00074 U	0.0012 U	0.00085 U	0.0010 U	0.00088 U	0.00095 U	0.00095 U														
Dichlorodifluoromethane	NA	0.00099 U	0.0010 U	0.00090 U	0.0010 U	0.00077 U	0.00086 U	0.00078 U	0.00047 U	0.00096 U	0.00093 U	0.00080 U	0.00084 U	0.00099 U	0.0014 U	0.00095 U	0.00074 U	0.0012 U	0.00085 U	0.0010 U	0.00088 U	0.00095 U	0.00095 U														
Ethylbenzene	1	0.00099 U	0.0010 U	0.00090 U	0.0010 U	0.00077 U	0.00086 U	0.00078 U	0.00047 U	0.00096 U	0.00093 U	0.00080 U	0.00051 J	0.00099 U	0.0014 U	0.00095 U	0.00074 U	0.0012 U	0.00085 U	0.00030 J	0.00088 U	0.00095 U	0.00095 U														
Freon 113	NA	0.00099 U	0.0010 U	0.00090 U	0.0010 U,R	0.00077 U	0.00086 U	0.00078 U	0.00047 U	0.00096 U	0.00093 U	0.00080 U	0.00084 U	0.00099 U	0.0014 U	0.00095 U	0.00074 U	0.0012 U	0.00085 U	0.0010 U	0.00088 U	0.00095 U	0.00095 U														
Isopropylbenzene	NA	0.00099 U	0.0010 U	0.00090 U	0.0010 U	0.00077 U	0.00086 U	0.00078 U	0.00047 U	0.00096 U	0.00093 U	0.00080 U	0.00029 J	0.00099 U	0.0014 U	0.00095 U	0.00074 U	0.0012 U	0.00085 U	0.0010 U	0.00088 U	0.00095 U	0.00095 U														
m&p-Xylene	0.26	0.0020 U	0.0020 U	0.0018 U	0.0020 U	0.0017 U	0.00093 U	0.0020 U	0.0019 U	0.0016 U	0.0019 U	0.0016 U	0.0017 U	0.0028 U	0.0019 U	0.0015 U	0.0023 U	0.0017 U	0.0021 U	0.0018 U	0.0019 U	0.0019 U	0.0019 U														
Methyl acetate	NA	0.00099 U	0.0010 U	0.00090 U	0.0010 U	0.00077 U	0.00086 U	0.00078 U	0.00047 U	0.00096 U	0.00093 U	0.00080 U	0.00084 U	0.00099 U	0.0014 U	0.00095 U	0.00074 U	0.0012 U	0.00085 U																		

Notes
J : Indicates an estimated value.
J B : The analyte was found in an associated blank, as well as in the sample.
J N : Indicates an estimated value.
U : Analyzed for but not detected.
U R : Indicates that value is rejected based upon DUSR review by third party data validator.
Total xylenes SCO utilized for all isomers
Highlighted / bolded indicates analyte exceeded above its respective NYSDEC Unrestricted SCO.
NA - Not Available

Table 4-21
TCL VOCs Soil Analytical Data
Former Miscellaneous South Lot Areas

TCL VOCs (mg/kg)	NYSDEC Unrestricted SCO	Soil Samples																			
		Former Miscellaneous South Lot Areas																			
		SL-23		SL-24		SL-33		SL-34		SL-35		SL-36		SL-37		SL-38		SL-39		SL-40	
(0.5-1.0')	(4.0-4.5')	(6.5-7.0')	(0.5-1.0')	(4.0-4.5')	(6.0-6.5')	(0.5-1.0')	(0.5-1.0')	(0.5-1.0')	(0.5-1.0')	(0.5-1.0')	(1.5-2.0')	(0.5-1.0')	(0.5-1.0')	(2.0-2.5')	(0.5-1.0')	(0.5-1.0')	(1.0-1.5')	(0.5-1.0')	(0.5-1.0')		
1,1,1-Trichloroethane	0.68	0.00090 U	0.00084 U H	0.00093 U	0.00083 U	0.00093 U H	0.0010 U	0.00082 U	0.00090 U	0.00095 U	0.00092 U	0.00076 U	0.00084 U	0.00086 U	0.00080 U	0.00081 U	0.00073 U	0.00086 U	0.00087 U		
1,1,2,2-Tetrachloroethane	NA	0.00090 U	0.00084 U H	0.00093 U	0.00083 U	0.00093 U H	0.0010 U	0.00082 U	0.00090 U	0.00095 U	0.00092 U	0.00076 U	0.00084 U	0.00086 U	0.00080 U	0.00081 U	0.00073 U	0.00086 U	0.00087 U		
1,1,2-Trichloroethane	NA	0.00090 U	0.00084 U H	0.00093 U	0.00083 U	0.00093 U H	0.0010 U	0.00082 U	0.00090 U	0.00095 U	0.00092 U	0.00076 U	0.00084 U	0.00086 U	0.00080 U	0.00081 U	0.00073 U	0.00086 U	0.00087 U		
1,1-Dichloroethane	0.27	0.00090 U	0.00084 U H	0.00093 U	0.00083 U	0.00093 U H	0.0010 U	0.00082 U	0.00090 U	0.00095 U	0.00092 U	0.00076 U	0.00084 U	0.00086 U	0.00080 U	0.00081 U	0.00073 U	0.00086 U	0.00087 U		
1,1-Dichloroethene	0.33	0.00090 U	0.00084 U H	0.00093 U	0.00083 U	0.00093 U H	0.0010 U	0.00082 U	0.00090 U	0.00095 U	0.00092 U	0.00076 U	0.00084 U	0.00086 U	0.00080 U	0.00081 U	0.00073 U	0.00086 U	0.00087 U		
1,2,3-Trichlorobenzene	NA	0.00090 U	0.00084 U H	0.00093 U	0.00083 U	0.00093 U H	0.0010 U	0.00082 U	0.00090 U	0.00095 U	0.00092 U	0.00076 U	0.00084 U	0.00086 U	0.00080 U	0.00081 U	0.00073 U	0.00086 U	0.00087 U		
1,2,4-Trichlorobenzene	NA	0.00090 U	0.00084 U H	0.00093 U	0.00083 U	0.00093 U H	0.0010 U	0.00082 U	0.00090 U	0.00095 U	0.00092 U	0.00076 U	0.00084 U	0.00086 U	0.00080 U	0.00081 U	0.00073 U	0.00086 U	0.00087 U		
1,2-Dibromo-3-Chloropropane	NA	0.00090 U	0.00084 U H	0.00093 U	0.00083 U	0.00093 U H	0.0010 U	0.00082 U	0.00090 U	0.00095 U	0.00092 U	0.00076 U	0.00084 U	0.00086 U	0.00080 U	0.00081 U	0.00073 U	0.00086 U	0.00087 U		
1,2-Dibromoethane	NA	0.00090 U	0.00084 U H	0.00093 U	0.00083 U	0.00093 U H	0.0010 U	0.00082 U	0.00090 U	0.00095 U	0.00092 U	0.00076 U	0.00084 U	0.00086 U	0.00080 U	0.00081 U	0.00073 U	0.00086 U	0.00087 U		
1,2-Dichlorobenzene	1.1	0.00090 U	0.00084 U H	0.00093 U	0.00083 U	0.00093 U H	0.0010 U	0.00082 U	0.00090 U	0.00095 U	0.00092 U	0.00076 U	0.00084 U	0.00086 U	0.00080 U	0.00081 U	0.00073 U	0.00086 U	0.00087 U		
1,2-Dichloroethane	0.02	0.00090 U	0.00084 U H	0.00093 U	0.00083 U	0.00093 U H	0.0010 U	0.00082 U	0.00090 U	0.00095 U	0.00092 U	0.00076 U	0.00084 U	0.00086 U	0.00080 U	0.00081 U	0.00073 U	0.00086 U	0.00087 U		
1,2-Dichloropropane	NA	0.00090 U	0.00084 U H	0.00093 U	0.00083 U	0.00093 U H	0.0010 U	0.00082 U	0.00090 U	0.00095 U	0.00092 U	0.00076 U	0.00084 U	0.00086 U	0.00080 U	0.00081 U	0.00073 U	0.00086 U	0.00087 U		
1,3-Dichlorobenzene	2.4	0.00090 U	0.00084 U H	0.00093 U	0.00083 U	0.00093 U H	0.0010 U	0.00082 U	0.00090 U	0.00095 U	0.00092 U	0.00076 U	0.00084 U	0.00086 U	0.00080 U	0.00081 U	0.00073 U	0.00086 U	0.00087 U		
1,4-Dichlorobenzene	1.8	0.00090 U	0.00084 U H	0.00093 U	0.00083 U	0.00093 U H	0.0010 U	0.00082 U	0.00090 U	0.00095 U	0.00092 U	0.00076 U	0.00084 U	0.00086 U	0.00080 U	0.00081 U	0.00073 U	0.00086 U	0.00087 U		
1,4-Dioxane	0.1	0.045 U	0.042 U H	0.047 U	0.041 U	0.047 U H	0.051 U	0.041 U	0.045 U	0.048 U	0.046 U	0.038 U	0.042 U	0.043 U	0.040 U	0.041 U	0.037 U	0.043 U	0.043 U		
2-Butanone (MEK)	0.12	0.090 U	0.084 U H	0.093 U	0.083 U	0.093 U H	0.010 U	0.082 U	0.090 U	0.095 U	0.092 U	0.086 U	0.094 U	0.096 U	0.090 U	0.091 U	0.093 U	0.096 U	0.097 U		
2-Hexanone	NA	0.090 U	0.084 U H	0.093 U	0.083 U	0.093 U H	0.010 U	0.082 U	0.090 U	0.095 U	0.092 U	0.086 U	0.094 U	0.096 U	0.090 U	0.091 U	0.093 U	0.096 U	0.097 U		
4-Methyl-2-pentanone	NA	0.090 U	0.084 U H	0.093 U	0.083 U	0.093 U H	0.010 U	0.082 U	0.090 U	0.095 U	0.092 U	0.086 U	0.094 U	0.096 U	0.090 U	0.091 U	0.093 U	0.096 U	0.097 U		
Acetone	0.05	0.090 U	0.084 U H	0.093 U	0.083 U	0.093 U H	0.010 U	0.082 U	0.090 U	0.095 U	0.092 U	0.086 U	0.094 U	0.096 U	0.090 U	0.091 U	0.093 U	0.096 U	0.097 U		
Benzene	0.06	0.0090 U	0.00084 U H	0.00093 U	0.00083 U	0.00093 U H	0.0010 U	0.00082 U	0.00090 U	0.00095 U	0.00092 U	0.00076 U	0.00084 U	0.00086 U	0.00080 U	0.00081 U	0.00073 U	0.00086 U	0.00087 U		
Bromochloromethane	NA	0.0090 U	0.00084 U H	0.00093 U	0.00083 U	0.00093 U H	0.0010 U	0.00082 U	0.00090 U	0.00095 U	0.00092 U	0.00076 U	0.00084 U	0.00086 U	0.00080 U	0.00081 U	0.00073 U	0.00086 U	0.00087 U		
Bromodichloromethane	NA	0.0090 U	0.00084 U H	0.00093 U	0.00083 U	0.00093 U H	0.0010 U	0.00082 U	0.00090 U	0.00095 U	0.00092 U	0.00076 U	0.00084 U	0.00086 U	0.00080 U	0.00081 U	0.00073 U	0.00086 U	0.00087 U		
Bromoform	NA	0.0090 U	0.00084 U H	0.00093 U	0.00083 U	0.00093 U H	0.0010 U	0.00082 U	0.00090 U	0.00095 U	0.00092 U	0.00076 U	0.00084 U	0.00086 U	0.00080 U	0.00081 U	0.00073 U	0.00086 U	0.00087 U		
Bromomethane	NA	0.0090 U	0.00084 U H	0.00093 U	0.00083 U	0.00093 U H	0.0010 U	0.00082 U	0.00090 U	0.00095 U	0.00092 U	0.00076 U	0.00084 U	0.00086 U	0.00080 U	0.00081 U	0.00073 U	0.00086 U	0.00087 U		
Carbon disulfide	NA	0.0090 U	0.00084 U H	0.00093 U	0.00083 U	0.00093 U H	0.0010 U	0.00082 U	0.00090 U	0.00044 J	0.00038 J	0.00034 J	0.00048 J	0.00051 J	0.00080 U	0.00041 J	0.00073 U	0.00037 J	0.00087 U		
Carbon tetrachloride	0.76	0.011	0.00084 U H	0.00093 U	0.00083 U	0.00093 U H	0.0010 U	0.00082 U	0.00090 U	0.00095 U	0.00092 U	0.00076 U	0.00084 U	0.00086 U	0.00080 U	0.00081 U	0.00073 U	0.00086 U	0.00087 U		
Chlorobenzene	1.1	0.0090 U	0.00084 U H	0.00093 U	0.00083 U	0.00093 U H	0.0010 U	0.00082 U	0.00090 U	0.00095 U	0.00092 U	0.00076 U	0.00084 U	0.00086 U	0.00080 U	0.00081 U	0.00073 U	0.00086 U	0.00087 U		
Chloroethane	NA	0.0090 U	0.00084 U H	0.00093 U	0.00083 U	0.00093 U H	0.0010 U	0.00082 U	0.00090 U	0.00095 U	0.00092 U	0.00076 U	0.00084 U	0.00086 U	0.00080 U	0.00081 U	0.00073 U	0.00086 U	0.00087 U		
Chloroform	0.37	0.0090 U	0.00084 U H	0.00093 U	0.00083 U	0.00093 U H	0.0010 U	0.00082 U	0.00090 U	0.00095 U	0.00092 U	0.00076 U	0.00084 U	0.00086 U	0.00080 U	0.00081 U	0.00073 U	0.00086 U	0.00087 U		
Chloromethane	NA	0.0090 U	0.00084 U H	0.00093 U	0.00083 U	0.00093 U H	0.0010 U	0.00082 U	0.00090 U	0.00095 U	0.00092 U	0.00076 U	0.00084 U	0.00086 U	0.00080 U	0.00081 U	0.00073 U	0.00086 U	0.00087 U		
cis-1,2-Dichloroethene	0.25	0.0090 U	0.00084 U H	0.00093 U	0.00083 U	0.00093 U H	0.0010 U	0.00082 U	0.00090 U	0.00095 U	0.00092 U	0.00076 U	0.00084 U	0.00086 U	0.00080 U	0.00081 U	0.00073 U	0.00086 U	0.00087 U		
cis-1,3-Dichloropropene	NA	0.0090 U	0.00084 U H	0.00093 U	0.00083 U	0.00093 U H	0.0010 U	0.00082 U	0.00090 U	0.00095 U	0.00092 U	0.00076 U	0.00084 U	0.00086 U	0.00080 U	0.00081 U	0.00073 U	0.00086 U	0.00087 U		
Cyclohexane	NA	0.0090 U	0.00084 U H	0.00093 U	0.00083 U	0.00093 U H	0.0010 U	0.00082 U	0.00090 U	0.00095 U	0.00092 U	0.00076 U	0.00084 U	0.00086 U	0.00080 U	0.00081 U	0.00073 U	0.00086 U	0.00087 U		
Dibromochloromethane	NA	0.0090 U	0.00084 U H	0.00093 U	0.00083 U	0.00093 U H	0.0010 U	0.00082 U	0.00090 U	0.00095 U	0.00092 U	0.00076 U	0.00084 U	0.00086 U	0.00080 U	0.00081 U	0.00073 U	0.00086 U	0.00087 U		
Dichlorodifluoromethane	NA	0.0090 U	0.00084 U H	0.00093 U	0.00083 U	0.00093 U H	0.0010 U	0.00082 U	0.00090 U	0.00095 U	0.00092 U	0.00076 U	0.00084 U	0.00086 U	0.00080 U	0.00081 U	0.00073 U	0.00086 U	0.00087 U		
Ethylbenzene	1	0.0090 U	0.00084 U H	0.00093 U	0.00083 U	0.00093 U H	0.0010 U	0.00082 U	0.00090 U	0.00095 U	0.00027 J	0.00076 U	0.00084 U	0.00086 U	0.00080 U	0.00081 U	0.00073 U	0.00086 U	0.00087 U		
Freon 113	NA	0.0090 U	0.00084 U H	0.00093 U	0.00083 U	0.00093 U H	0.0010 U	0.00082 U	0.00090 U	0.00095 U	0.00092 U	0.00076 U	0.00084 U	0.00086 U	0.00080 U	0.00081 U	0.00073 U	0.00086 U	0.00087 U		
Isopropylbenzene	NA	0.0090 U	0.00084 U H	0.00093 U	0.00083 U	0.00093 U H	0.0010 U	0.00082 U	0.00090 U	0.00095 U	0.00020 J	0.00076 U	0.00084 U	0.00086 U	0.00080 U	0.00081 U	0.00073 U	0.00086 U	0.00087 U		
m&p-Xylene	0.26	0.0018 U	0.0017 U H	0.0019 U	0.0017 U	0.0019 U H	0.0020 U	0.0016 U	0.0018 U	0.0019 U	0.0016 J	0.0015 U	0.0017 U	0.0017 U	0.0016 U	0.0016 U	0.0015 U	0.0017 U	0.0017 U		
Methyl acetate	NA	0.0090 U	0.00084 U H	0.00093 U	0.00083 U	0.00093 U H	0.0010 U	0.00082 U	0.00090 U	0.00095 U	0.00092 U	0.00076 U	0.00084 U	0.00086 U	0.00080 U	0.00081 U	0.00073 U	0.00086 U	0.00087 U		
Methylcyclohexane	NA	0.0090 U	0.00084 U H	0.00093 U	0.00083 U	0.00093 U H	0.0010 U	0.00082 U	0.00090 U	0.00095 U	0.00092 U	0.00076 U	0.00084 U	0.00086 U	0.00080 U	0.00017 J	0.00073 U	0.00086 U	0.00087 U		
Methylene Chloride	0.05	0.00069 J B	0.00084 U H	0.00038 J B	0.00044 J B	0.00093 U H	0.00098 J B	0.00082 U	0.00090 U	0.00095 U	0.00039 J B	0.00076 U	0.00084 U	0.00086 U	0.00025 J B	0.00081 U	0.00073 U	0.00086 U	0.00087 U		
MTBE	0.93	0.0090 U	0.00084 U H	0.00093 U	0.00083 U	0.00093 U H	0.0010 U	0.00082 U	0.00090 U	0.00095 U	0.00092 U	0.00076 U	0.00084 U	0.00086 U	0.00080 U	0.00081 U	0.00073 U	0.00086 U	0.00087 U		
o-Xylene	0.26	0.0090 U	0.00084 U H	0.00093 U	0.00083 U	0.00093 U H	0.0010 U	0.00082 U	0.00090 U	0.00095 U	0.00092 U	0.0014	0.0098	0.00066 J	0.00080 U	0.00081 U	0.00073 U	0.00086 U	0.00087 U		
Styrene	NA	0.0090 U	0.00084 U H	0.00093 U	0.00083 U	0.00093 U H	0.0010 U	0.00082 U	0.00090 U	0.00095 U	0.0044	0.00076 U	0.00084 U	0.00086 U	0.00080 U	0.00081 U	0.00073 U	0.00086 U	0.00087 U		
Tetrachloroethene	1.3	0.0090 U	0.00084 U H	0.00093 U	0.00083 U	0.00093 U H	0.0010 U	0.00082 U	0.00090 U	0.00095 U	0.00092 U	0.00043 J	0.00084 U	0.00086 U	0.00080 U	0.00081 U	0.00073 U	0.00086 U	0.00087 U		
Toluene	0.7	0.0090 U	0.0027 H	0.00052 J	0.00040 J	0.00093 U H	0.0010 U	0.00082 U	0.00081 J	0.00095 U	0.00092 U	0.00051 J	0.00019 J	0.00019 J	0.00054 J	0.0044	0.00055 J	0.0043	0.0075		
trans-1,2-Dichloroethene	0.19	0.0090 U	0.0008																		

Notes

J : Indicates an estimated value

J B : The analyte was found in an associated blank, as well as in the sample

J N : Indicates an estimated value.

U : Analyzed for but not detected.

Total xylenes SCO utilized for all isomers

Highlighted / bolded indicates analyte exceeded above its respective NYSDEC Unrestricted SCO.

NA - Not Available

Table 4-21
TCL VOCs Soil Analytical Data
Former Miscellaneous South Lot Areas and WWTP

TCL VOCs (mg/kg)	NYSDEC Unrestricted SCO	Soil Samples Former Miscellaneous South Lot Areas and WWTP				
		SL-42		SL-43	SL-44	
		(0.5-1.0')	(2.5-3.0')	(0.5-1.0')	(0.5-1.0')	(1.0-1.5')
1,1,1-Trichloroethane	0.68	0.00075 U	0.0021 U	0.00092 U	0.0011 U	0.0010 U
1,1,2,2-Tetrachloroethane	NA	0.00075 U	0.0021 U	0.00092 U	0.0011 U	0.0010 U
1,1,2-Trichloroethane	NA	0.00075 U	0.0021 U	0.00092 U	0.0011 U	0.0010 U
1,1-Dichloroethane	0.27	0.00075 U	0.0021 U	0.00092 U	0.0011 U	0.0010 U
1,1-Dichloroethene	0.33	0.00075 U	0.0021 U	0.00092 U	0.0011 U	0.0010 U
1,2,3-Trichlorobenzene	NA	0.00075 U	0.0021 U	0.00092 U	0.0011 U	0.0010 U
1,2,4-Trichlorobenzene	NA	0.00075 U	0.0021 U	0.00092 U	0.0011 U	0.0010 U
1,2-Dibromo-3-Chloropropane	NA	0.00075 U	0.0021 U	0.00092 U	0.0011 U	0.0010 U
1,2-Dibromoethane	NA	0.00075 U	0.0021 U	0.00092 U	0.0011 U	0.0010 U
1,2-Dichlorobenzene	1.1	0.00075 U	0.0021 U	0.00092 U	0.0011 U	0.0010 U
1,2-Dichloroethane	0.02	0.00075 U	0.0021 U	0.00092 U	0.0011 U	0.0010 U
1,2-Dichloropropane	NA	0.00075 U	0.0021 U	0.00092 U	0.0011 U	0.0010 U
1,3-Dichlorobenzene	2.4	0.00075 U	0.0021 U	0.00092 U	0.0011 U	0.0010 U
1,4-Dichlorobenzene	1.8	0.00075 U	0.0021 U	0.00092 U	0.0011 U	0.0010 U
1,4-Dioxane	0.1	0.037 U	0.10 U	0.046 U	0.053 U	0.052 U
2-Butanone (MEK)	0.12	0.0075 U	0.021 U	0.0033 J	0.011 U	0.010 U
2-Hexanone	NA	0.0075 U	0.021 U	0.0092 U	0.011 U	0.010 U
4-Methyl-2-pentanone	NA	0.0075 U	0.021 U	0.0092 U	0.011 U	0.010 U
Acetone	0.05	0.0075 U	0.021 U	0.0035 J	0.011 U	0.010 U
Benzene	0.06	0.00075 U	0.0021 U	0.00092 U	0.0011 U	0.0010 U
Bromochloromethane	NA	0.00075 U	0.0021 U	0.00092 U	0.0011 U	0.0010 U
Bromodichloromethane	NA	0.00075 U	0.0021 U	0.00092 U	0.0011 U	0.0010 U
Bromoform	NA	0.00075 U	0.0021 U	0.00092 U	0.0011 U	0.0010 U
Bromomethane	NA	0.00075 U	0.0021 U	0.00092 U	0.0011 U	0.0010 U
Carbon disulfide	NA	0.00075 U	0.0012 J	0.00040 J	0.0011 U	0.0010 U
Carbon tetrachloride	0.76	0.00075 U	0.0021 U	0.00092 U	0.0011 U	0.0010 U
Chlorobenzene	1.1	0.00075 U	0.0021 U	0.00092 U	0.0011 U	0.0010 U
Chloroethane	NA	0.00075 U	0.0021 U	0.00092 U	0.0011 U	0.0010 U
Chloroform	0.37	0.00075 U	0.0021 U	0.00092 U	0.0011 U	0.0010 U
Chloromethane	NA	0.00075 U	0.0021 U	0.00092 U	0.0011 U	0.0010 U
cis-1,2-Dichloroethene	0.25	0.00075 U	0.0021 U	0.00023 J	0.0011 U	0.0010 U
cis-1,3-Dichloropropene	NA	0.00075 U	0.0021 U	0.00092 U	0.0011 U	0.0010 U
Cyclohexane	NA	0.00075 U	0.0021 U	0.00092 U	0.0011 U	0.0010 U
Dibromochloromethane	NA	0.00075 U	0.0021 U	0.00092 U	0.0011 U	0.0010 U
Dichlorodifluoromethane	NA	0.00075 U	0.0021 U	0.00092 U	0.0011 U	0.0010 U
Ethylbenzene	1	0.00075 U	0.0021 U	0.00092 U	0.0011 U	0.0010 U
Freon 113	NA	0.00075 U	0.0021 U	0.00092 U	0.0011 U	0.0010 U
Isopropylbenzene	NA	0.00075 U	0.0021 U	0.00092 U	0.0011 U	0.0010 U
m&p-Xylene	0.26	0.0015 U	0.0041 U	0.0018 U	0.0021 U	0.0021 U
Methyl acetate	NA	0.00075 U	0.0021 U	0.00092 U	0.0011 U	0.0010 U
Methylcyclohexane	NA	0.00075 U	0.0021 U	0.00092 U	0.0011 U	0.0010 U
Methylene Chloride	0.05	0.00075 U	0.00072 J B	0.00058 J	0.0011 U	0.00042 J
MTBE	0.93	0.00075 U	0.0021 U	0.00092 U	0.0011 U	0.0010 U
o-Xylene	0.26	0.00075 U	0.0027	0.00092 U	0.0011 U	0.0010 U
Styrene	NA	0.00075 U	0.0021 U	0.00092 U	0.0011 U	0.0010 U
Tetrachloroethene	1.3	0.00075 U	0.00072 J	0.0011	0.0011 U	0.0010 U
Toluene	0.7	0.00075 U	0.17	0.010	0.0011 U	0.0010 U
trans-1,2-Dichloroethene	0.19	0.00075 U	0.0021 U	0.00092 U	0.0011 U	0.0010 U
trans-1,3-Dichloropropene	NA	0.00075 U	0.0021 U	0.00092 U	0.0011 U	0.0010 U
Trichloroethene	0.47	0.00075 U	0.0021 U	0.00092 U	0.0011 U	0.0010 U
Trichlorofluoromethane	NA	0.00075 U	0.0010 J	0.0013	0.0011 U	0.0010 U
Vinyl chloride	0.02	0.00075 U	0.0021 U	0.00092 U	0.0011 U	0.0010 U
Xylenes, Total	0.26	0.00075 U	0.0021 U	0.00092 U	0.0011 U	0.0010 U
Naphthalene	12	0.0022 U	0.0062 U	0.0028 U	0.0032 U	0.0031 U

Notes

J : Indicates an estimated value.

J B : The analyte was found in an associated blank, as well as in the sample.

J N : Indicates an estimated value.

U : Analyzed for but not detected.

Total xylenes SCO utilized for all isomers

Highlighted / bolded indicates analyte exceeded above its respective NYSDEC Unrestricted SCO.

NA - Not Available

Table 4-22
Soil TCL SVOC Analytical Data
Former Miscellaneous South Lot Areas

TCL SVOCs (mg/kg)	NYSDEC Unrestricted SCO	Soil Samples Former Miscellaneous South Lot Areas																		
		SL-1			SL-2			SL-3			SL-4		SL-5		SL-6		SL-7			
		(0.5-1.0')	(4.0-4.5')	(6.0-6.5')	(0.5-1.0')	(3.0-3.5')	(7.0-7.5')	(0.5-1.0')	(4.0-4.5')	(7.0-7.5')	(0.5-1.0')	(2.0-2.5')	(0.5-1.0')	(1.0-1.5')	(0.5-1.0')	(1.5-2.0')	(2.0-2.5')	(0.5-1.0')	(3.0-3.5')	(7.0-7.5')
1,2,4,5-Tetrachlorobenzene	NA	0.36 U	0.73 U	0.76 U	0.35 U R	0.35 U R	0.34 U R	0.39 U	0.72 U	0.40 U	1.8 U	0.75 U	0.35 U	0.36 U	3.6 U	0.54 U	0.40 U R	0.71 U	0.75 U	0.42 U
1,4-Dioxane	0.1	0.36 U	0.73 U	0.76 U	0.35 U	0.35 U	0.34 U	0.39 U	0.72 U	0.40 U	1.8 U	0.75 U	0.35 U	0.36 U	3.6 U	0.54 U	0.40 U	0.71 U	0.75 U	0.42 U
2,2'-oxybis[1-chloropropane]	NA	0.36 U	0.73 U	0.76 U	0.35 U	0.35 U	0.34 U	0.39 U	0.72 U	0.40 U	1.8 U	0.75 U	0.35 U	0.36 U	3.6 U	0.54 U	0.40 U	0.71 U	0.75 U	0.42 U
2,3,4,6-Tetrachlorophenol	NA	0.36 U	0.73 U	0.76 U	0.35 U	0.35 U	0.34 U	0.39 U	0.72 U	0.40 U	1.8 U	0.75 U	0.35 U	0.36 U	3.6 U	0.54 U	0.40 U R	0.71 U	0.75 U	0.42 U
2,4,5-Trichlorophenol	NA	0.36 U	0.73 U	0.76 U	0.35 U	0.35 U	0.34 U	0.39 U	0.72 U	0.40 U	1.8 U	0.75 U	0.35 U	0.36 U	3.6 U	0.54 U	0.40 U	0.71 U	0.75 U	0.42 U
2,4,6-Trichlorophenol	NA	0.36 U	0.73 U	0.76 U	0.35 U	0.35 U	0.34 U	0.39 U	0.72 U	0.40 U	1.8 U	0.75 U	0.35 U	0.36 U	3.6 U	0.54 U	0.40 U	0.71 U	0.75 U	0.42 U
2,4-Dichlorophenol	NA	0.36 U	0.73 U	0.76 U	0.35 U	0.35 U	0.34 U	0.39 U	0.72 U	0.40 U	1.8 U	0.75 U	0.35 U	0.36 U	3.6 U	0.54 U	0.40 U	0.71 U	0.75 U	0.42 U
2,4-Dimethylphenol	NA	0.36 U	0.73 U	0.76 U	0.35 U	0.35 U	0.34 U	0.39 U	0.72 U	0.40 U	1.8 U	0.75 U	0.35 U	0.36 U	3.6 U	0.54 U	0.40 U	0.71 U	0.75 U	0.42 U
2,4-Dinitrophenol	NA	1.1 U	2.2 U	2.3 U	1.1 U	1.0 U	1.0 U	1.2 U	2.2 U	1.2 U	5.4 U	2.3 U	1.1 U	1.1 U	11 U	1.6 U	1.2 U	2.2 U	2.3 U	1.3 U
2,4-Dinitrotoluene	NA	0.074 U	0.15 U	0.15 U	0.071 U	0.070 U	0.069 U	0.079 U	0.15 U	0.081 U	0.36 U	0.15 U	0.071 U	0.073 U	0.73 U	0.11 U	0.081 U	0.15 U	0.15 U	0.085 U
2,6-Dinitrotoluene	NA	0.074 U	0.15 U	0.15 U	0.071 U	0.070 U	0.069 U	0.079 U	0.15 U	0.081 U	0.36 U	0.15 U	0.071 U	0.073 U	0.73 U	0.11 U	0.081 U	0.15 U	0.15 U	0.085 U
2-Chloronaphthalene	NA	0.36 U	0.73 U	0.76 U	0.35 U	0.35 U	0.34 U	0.39 U	0.72 U	0.40 U	1.8 U	0.75 U	0.35 U	0.36 U	3.6 U	0.54 U	0.40 U	0.71 U	0.75 U	0.42 U
2-Chlorophenol	NA	0.36 U	0.73 U	0.76 U	0.35 U	0.35 U	0.34 U	0.39 U	0.72 U	0.40 U	1.8 U	0.75 U	0.35 U	0.36 U	3.6 U	0.54 U	0.40 U	0.71 U	0.75 U	0.42 U
2-Methylnaphthalene	NA	0.36 U	0.17 J	0.76 U	0.059 J	0.35 U	0.34 U	0.39 U	0.72 U	0.40 U	1.8 U	0.75 U	0.35 U	0.36 U	4.3	0.54 U	0.60	0.85	0.75 U	0.42 U
2-Methylphenol	0.33	0.36 U	0.73 U	0.76 U	0.35 U	0.35 U	0.34 U	0.39 U	0.72 U	0.40 U	1.8 U	0.75 U	0.35 U	0.36 U	3.6 U	0.54 U	0.40 U	0.71 U	0.75 U	0.42 U
2-Nitroaniline	NA	0.74 U	1.5 U	1.5 U	0.71 U	0.70 U	0.69 U	0.79 U	1.5 U	0.81 U	3.6 U	1.5 U	0.71 U	0.73 U	7.3 U	1.1 U	0.81 U	1.5 U	1.5 U	0.85 U
2-Nitrophenol	NA	0.36 U	0.73 U	0.76 U	0.35 U	0.35 U	0.34 U	0.39 U	0.72 U	0.40 U	1.8 U	0.75 U	0.35 U	0.36 U	3.6 U	0.54 U	0.40 U	0.71 U	0.75 U	0.42 U
3,3'-Dichlorobenzidine	NA	0.74 U	1.5 U	1.5 U	0.71 U	0.70 U	0.69 U	0.79 U	1.5 U	0.81 U	3.6 U	1.5 U	0.71 U	0.73 U	7.3 U	1.1 U	0.81 U	1.5 U	1.5 U	0.85 U
3-Nitroaniline	NA	0.74 U	1.5 U	1.5 U	0.71 U	0.70 U	0.69 U	0.79 U	1.5 U	0.81 U	3.6 U	1.5 U	0.71 U	0.73 U	7.3 U	1.1 U	0.81 U	1.5 U	1.5 U	0.85 U
4,6-Dinitro-2-methylphenol	NA	1.1 U	2.2 U	2.3 U	1.1 U	1.0 U	1.0 U	1.2 U	2.2 U	1.2 U	5.4 U	2.3 U	1.1 U	1.1 U	11 U	1.6 U	1.2 U	2.2 U	2.3 U	1.3 U
4-Bromophenyl phenyl ether	NA	0.36 U	0.73 U	0.76 U	0.35 U	0.35 U	0.34 U	0.39 U	0.72 U	0.40 U	1.8 U	0.75 U	0.35 U	0.36 U	3.6 U	0.54 U	0.40 U	0.71 U	0.75 U	0.42 U
4-Chloro-3-methylphenol	NA	0.36 U	0.73 U	0.76 U	0.35 U	0.35 U	0.34 U	0.39 U	0.72 U	0.40 U	1.8 U	0.75 U	0.35 U	0.36 U	3.6 U	0.54 U	0.40 U	0.71 U	0.75 U	0.42 U
4-Chloroaniline	NA	0.36 U	0.73 U	0.76 U	0.35 U	0.35 U	0.34 U	0.39 U	0.72 U	0.40 U	1.8 U	0.75 U	0.35 U	0.36 U	3.6 U	0.54 U	0.40 U	0.71 U	0.75 U	0.42 U
4-Chlorophenyl phenyl ether	NA	0.36 U	0.73 U	0.76 U	0.35 U	0.35 U	0.34 U	0.39 U	0.72 U	0.40 U	1.8 U	0.75 U	0.35 U	0.36 U	3.6 U	0.54 U	0.40 U	0.71 U	0.75 U	0.42 U
4-Methylphenol	0.33	0.36 U	0.73 U	0.76 U	0.35 U	0.35 U	0.34 U	0.39 U	0.72 U	0.40 U	1.8 U	0.75 U	0.35 U	0.36 U	3.6 U	0.54 U	0.40 U	0.71 U	0.75 U	0.42 U
4-Nitroaniline	NA	0.74 U	1.5 U	1.5 U	0.71 U	0.70 U	0.69 U	0.79 U	1.5 U	0.81 U	3.6 U	1.5 U	0.71 U	0.73 U	7.3 U	1.1 U	0.81 U	1.5 U	1.5 U	0.85 U
4-Nitrophenol	NA	1.1 U	2.2 U	2.3 U	1.1 U	1.0 U	1.0 U	1.2 U	2.2 U	1.2 U	5.4 U	2.3 U	1.1 U	1.1 U	11 U	1.6 U	1.2 U	2.2 U	2.3 U	1.3 U
Acenaphthene	20	0.36 U	0.25 J	0.76 U	0.077 J	0.35 U	0.34 U	0.39 U	0.72 U	0.40 U	0.41 J	0.22 J	0.35 U	0.36 U	5.5	0.54 U	0.16 J	0.37 J	0.13 J	0.42 U
Acenaphthylene	100	0.048 J	0.65 J	0.11 J	0.12 J	0.11 J	0.34 U	0.39 U	0.33 J	0.40 U	0.44 J	0.38 J	0.35 U	0.36 U	3.2 J	0.54 U	0.40 U	0.29 J	0.24 J	0.42 U
Acetophenone	NA	0.36 U	0.73 U	0.76 U	0.35 U	0.35 U	0.34 U	0.39 U	0.72 U	0.40 U	1.8 U	0.75 U	0.35 U	0.36 U	3.6 U	0.54 U	0.40 U	0.71 U	0.75 U	0.42 U
Anthracene	100	0.11 J	0.94	0.098 J	0.33 J	0.21 J	0.34 U	0.39 U	0.47 J	0.40 U	2.7	1.4	0.35 U	0.36 U	11	0.54 U	0.40 U	1.0	0.41 J	0.42 U
Atrazine	NA	0.36 U	0.73 U	0.76 U	0.35 U	0.35 U	0.34 U	0.39 U	0.72 U	0.40 U	1.8 U	0.75 U	0.35 U	0.36 U	3.6 U	0.54 U	0.40 U	0.71 U	0.75 U	0.42 U
Benzaldehyde	NA	0.36 U	0.73 U	0.76 U	0.35 U	0.35 U	0.34 U	0.39 U	0.72 U	0.40 U	1.8 U	0.75 U	0.35 U	0.36 U	3.6 U	0.54 U	0.40 U	0.71 U	0.75 U	0.42 U
Benzo[a]anthracene	1	0.53	4.7	0.71	1.2	0.78	0.034 U	0.049	2.4	0.040 U	12	3.8	0.035 U	0.036 U	16	0.054 U	0.040 U	2.4	1.7	0.042 U
Benzo[a]pyrene	1	0.57	4.6	0.80	0.98	0.76	0.034 U	0.039 U	2.1	0.040 U	11	3.7	0.030 J	0.017 J	13	0.054 U	0.040 U	1.9	1.3	0.042 U
Benzo[b]fluoranthene	1	0.70	5.3	0.75	1.0	0.77	0.034 U	0.039 U	2.1	0.040 U	12	3.5	0.029 J	0.023 J	10	0.011 J	0.040 U	1.5	1.1	0.042 U
Benzo[g,h,i]perylene	100	0.15 J	0.96	0.44 J	0.61	0.51	0.34 U	0.043 J	0.91	0.40 U	6.7	2.3	0.35 U	0.36 U	7.3	0.54 U	0.40 U	1.3	1.1	0.42 U
Benzo[k]fluoranthene	0.8	0.22	1.8	0.27	0.29	0.30	0.034 U	0.039 U	0.82	0.040 U	5.1	1.3	0.035 U	0.036 U	3.4	0.054 U	0.040 U	0.50	0.46	0.042 U
Bis(2-chloroethoxy)methane	NA	0.36 U	0.73 U	0.76 U	0.35 U	0.35 U	0.34 U	0.39 U	0.72 U	0.40 U	1.8 U	0.75 U	0.35 U	0.36 U	3.6 U	0.54 U	0.40 U	0.71 U	0.75 U	0.42 U
Bis(2-chloroethyl)ether	NA	0.036 U	0.073 U	0.076 U	0.035 U	0.035 U	0.034 U	0.039 U	0.072 U	0.040 U	0.18 U	0.075 U	0.035 U	0.036 U	0.36 U	0.054 U	0.040 U	0.071 U	0.075 U	0.042 U
Bis(2-ethylhexyl) phthalate	NA	0.36 U	0.73 U	0.76 U	0.35 U	0.35 U	0.34 U	0.39 U	0.72 U	0.40 U	1.8 U	0.75 U	0.35 U	0.36 U	3.6 U	0.54 U	0.40 U	0.71 U	0.75 U	0.42 U
Butyl benzyl phthalate	NA	0.36 U	0.73 U</																	

Table 4-22
Soil TCL SVOC Analytical Data
Former Miscellaneous South Lot Areas

TCL SVOCs (mg/kg)	NYSDEC Unrestricted SCO	Soil Samples Former Miscellaneous South Lot Areas																				
		SL-8				SL-9		SL-10		SL-10A		SL-11		SL-12		SL-20		SL-21		SL-22		
		(0.5-1.0')	(4.5-5.0')	(7.0-7.5')	(0.5-1.0')	(0.5-1.0')	(0.5-1.0')	(5.0-5.5')	(7.5-8.0')	(0.5-1.0')	(4.0-4.5')	(0.5-1.0')	(1.0-1.5')	(3.0-3.5')	(0.5-1.0')	(2.0-2.5')	(3.0-3.5')	(0.5-1.0')	(2.5-3.0')	(4.0-4.5')	(0.5-1.0')	(5.5-6.0')
1,2,4,5-Tetrachlorobenzene	NA	0.34 U	0.39 U	0.40 U	0.39 U	0.38 U	0.35 U	0.34 U	0.34 U	0.37 U	0.38 U	0.36 U	0.37 U	0.39 U	0.37 U	0.37 U	0.37 U	0.37 U	0.38 U	0.37 U	0.39 U	0.36 U
1,4-Dioxane	0.1	0.34 U	0.39 U	0.40 U	0.39 U	0.38 U	0.35 U	0.34 U	0.34 U	0.37 U	0.38 U	0.36 U	0.37 U	0.39 U	0.37 U	0.37 U	0.37 U	0.37 U	0.38 U	0.37 U	0.39 U	0.36 U
2,2'-oxybis[1-chloropropane]	NA	0.34 U	0.39 U	0.40 U	0.39 U	0.38 U	0.35 U	0.34 U	0.34 U	0.37 U	0.38 U	0.36 U	0.37 U	0.39 U	0.37 U	0.37 U	0.37 U	0.37 U	0.38 U	0.37 U	0.39 U	0.36 U
2,3,4,6-Tetrachlorophenol	NA	0.34 U	0.39 U	0.40 U	0.39 U	0.38 U	0.35 U	0.34 U	0.34 U	0.37 U	0.38 U	0.36 U	0.37 U	0.39 U	0.37 U	0.37 U	0.37 U	0.37 U	0.38 U	0.37 U R	0.39 U R	0.36 U R
2,4,5-Trichlorophenol	NA	0.34 U	0.39 U	0.40 U	0.39 U	0.38 U	0.35 U	0.34 U	0.34 U	0.37 U	0.38 U	0.36 U	0.37 U	0.39 U	0.37 U	0.37 U	0.37 U	0.37 U	0.38 U	0.37 U	0.39 U	0.36 U
2,4,6-Trichlorophenol	NA	0.34 U	0.39 U	0.40 U	0.39 U	0.38 U	0.35 U	0.34 U	0.34 U	0.37 U	0.38 U	0.36 U	0.37 U	0.39 U	0.37 U	0.37 U	0.37 U	0.37 U	0.38 U	0.37 U	0.39 U	0.36 U
2,4-Dichlorophenol	NA	0.34 U	0.39 U	0.40 U	0.39 U	0.38 U	0.35 U	0.34 U	0.34 U	0.37 U	0.38 U	0.36 U	0.37 U	0.39 U	0.37 U	0.37 U	0.37 U	0.37 U	0.38 U	0.37 U	0.39 U	0.36 U
2,4-Dimethylphenol	NA	0.34 U	0.39 U	0.40 U	0.39 U	0.38 U	0.35 U	0.34 U	0.34 U	0.37 U	0.38 U	0.36 U	0.37 U	0.39 U	0.37 U	0.37 U	0.37 U	0.37 U	0.38 U	0.37 U	0.39 U	0.36 U
2,4-Dinitrophenol	NA	1.0 U	1.2 U	1.2 U	1.2 U	1.2 U	1.1 U	1.0 U	1.0 U	1.1 U	1.2 U	1.1 U	1.1 U	1.2 U	1.1 U	1.1 U	1.1 U	1.1 U	1.2 U	2.4 U	1.2 U	1.1 U
2,4-Dinitrotoluene	NA	0.069 U	0.080 U	0.081 U	0.079 U	0.078 U	0.071 U	0.068 U	0.069 U	0.076 U	0.077 U	0.073 U	0.076 U	0.080 U	0.075 U	0.075 U	0.075 U	0.076 U	0.075 U	0.077 U	0.16 U	0.078 U
2,6-Dinitrotoluene	NA	0.069 U	0.080 U	0.081 U	0.079 U	0.078 U	0.071 U	0.068 U	0.069 U	0.076 U	0.077 U	0.073 U	0.076 U	0.080 U	0.075 U	0.075 U	0.075 U	0.076 U	0.075 U	0.077 U	0.16 U	0.078 U
2-Chloronaphthalene	NA	0.34 U	0.39 U	0.40 U	0.39 U	0.38 U	0.35 U	0.34 U	0.34 U	0.37 U	0.38 U	0.36 U	0.37 U	0.39 U	0.37 U	0.37 U	0.37 U	0.37 U	0.38 U	0.37 U	0.39 U	0.36 U
2-Chlorophenol	NA	0.34 U	0.39 U	0.40 U	0.39 U	0.38 U	0.35 U	0.34 U	0.34 U	0.37 U	0.38 U	0.36 U	0.37 U	0.39 U	0.37 U	0.37 U	0.37 U	0.37 U	0.38 U	0.37 U	0.39 U	0.36 U
2-Methylnaphthalene	NA	0.34 U	0.39 U	0.40 U	0.39 U	0.38 U	0.35 U	0.34 U	0.34 U	0.37 U	0.38 U	0.36 U	0.37 U	0.39 U	0.37 U	0.37 U	0.37 U	0.37 U	0.38 U	0.37 U	0.39 U	0.36 U
2-Methylphenol	0.33	0.34 U	0.39 U	0.40 U	0.39 U	0.38 U	0.35 U	0.34 U	0.34 U	0.37 U	0.38 U	0.36 U	0.37 U	0.39 U	0.37 U	0.37 U	0.37 U	0.37 U	0.38 U	0.37 U	0.39 U	0.36 U
2-Nitroaniline	NA	0.69 U	0.80 U	0.81 U	0.79 U	0.78 U	0.71 U	0.68 U	0.69 U	0.76 U	0.77 U	0.73 U	0.76 U	0.80 U	0.75 U	0.75 U	0.75 U	0.76 U	0.75 U	0.77 U	1.6 U	0.78 U
2-Nitrophenol	NA	0.34 U	0.39 U	0.40 U	0.39 U	0.38 U	0.35 U	0.34 U	0.34 U	0.37 U	0.38 U	0.36 U	0.37 U	0.39 U	0.37 U	0.37 U	0.37 U	0.37 U	0.38 U	0.37 U	0.39 U	0.36 U
3,3'-Dichlorobenzidine	NA	0.69 U	0.80 U	0.81 U	0.79 U	0.78 U	0.71 U	0.68 U	0.69 U	0.76 U	0.77 U	0.73 U	0.76 U	0.80 U	0.75 U	0.75 U	0.75 U	0.76 U	0.75 U	0.77 U	1.6 U	0.78 U
3-Nitroaniline	NA	0.69 U	0.80 U	0.81 U	0.79 U	0.78 U	0.71 U	0.68 U	0.69 U	0.76 U	0.77 U	0.73 U	0.76 U	0.80 U	0.75 U	0.75 U	0.75 U	0.76 U	0.75 U	0.77 U	1.6 U	0.78 U
4,6-Dinitro-2-methylphenol	NA	1.0 U	1.2 U	1.2 U	1.2 U	1.2 U	1.1 U	1.0 U	1.0 U	1.1 U	1.2 U	1.1 U	1.1 U	1.2 U	1.1 U	1.1 U	1.1 U	1.1 U	1.2 U	2.4 U	1.2 U	1.1 U
4-Bromophenyl phenyl ether	NA	0.34 U	0.39 U	0.40 U	0.39 U	0.38 U	0.35 U	0.34 U	0.34 U	0.37 U	0.38 U	0.36 U	0.37 U	0.39 U	0.37 U	0.37 U	0.37 U	0.37 U	0.38 U	0.37 U	0.39 U	0.36 U
4-Chloro-3-methylphenol	NA	0.34 U	0.39 U	0.40 U	0.39 U	0.38 U	0.35 U	0.34 U	0.34 U	0.37 U	0.38 U	0.36 U	0.37 U	0.39 U	0.37 U	0.37 U	0.37 U	0.37 U	0.38 U	0.37 U	0.39 U	0.36 U
4-Chloroaniline	NA	0.34 U	0.39 U	0.40 U	0.39 U	0.38 U	0.35 U	0.34 U	0.34 U	0.37 U	0.38 U	0.36 U	0.37 U	0.39 U	0.37 U	0.37 U	0.37 U	0.37 U	0.38 U	0.37 U	0.39 U	0.36 U
4-Chlorophenyl phenyl ether	NA	0.34 U	0.39 U	0.40 U	0.39 U	0.38 U	0.35 U	0.34 U	0.34 U	0.37 U	0.38 U	0.36 U	0.37 U	0.39 U	0.37 U	0.37 U	0.37 U	0.37 U	0.38 U	0.37 U	0.39 U	0.36 U
4-Methylphenol	0.33	0.34 U	0.39 U	0.40 U	0.39 U	0.38 U	0.35 U	0.34 U	0.34 U	0.37 U	0.38 U	0.36 U	0.37 U	0.39 U	0.37 U	0.37 U	0.37 U	0.37 U	0.38 U	0.37 U	0.39 U	0.36 U
4-Nitroaniline	NA	0.69 U	0.80 U	0.81 U	0.79 U	0.78 U	0.71 U	0.68 U	0.69 U	0.76 U	0.77 U	0.73 U	0.76 U	0.80 U	0.75 U	0.75 U	0.75 U	0.76 U	0.75 U	0.77 U	1.6 U	0.78 U
4-Nitrophenol	NA	1.0 U	1.2 U	1.2 U	1.2 U	1.2 U	1.1 U	1.0 U	1.0 U	1.1 U	1.2 U	1.1 U	1.1 U	1.2 U	1.1 U	1.1 U	1.1 U	1.1 U	1.2 U	2.4 U	1.2 U	1.1 U
Acenaphthene	20	0.34 U	0.39 U	0.40 U	0.39 U	0.38 U	0.35 U	0.34 U	0.34 U	0.37 U	0.38 U	0.36 U	0.59	0.39 U	0.37 U	0.37 U	0.37 U	0.37 U	0.38 U	0.37 U	0.39 U	0.36 U
Acenaphthylene	100	0.34 U	0.39 U	0.40 U	0.39 U	0.38 U	0.35 U	0.34 U	0.34 U	0.37 U	0.38 U	0.36 U	0.37 U	0.39 U	0.37 U	0.37 U	0.37 U	0.37 U	0.38 U	0.37 U	0.39 U	0.36 U
Acetophenone	NA	0.34 U	0.39 U	0.40 U	0.39 U	0.38 U	0.35 U	0.34 U	0.34 U	0.37 U	0.38 U	0.36 U	0.37 U	0.39 U	0.37 U	0.37 U	0.37 U	0.37 U	0.38 U	0.37 U	0.39 U	0.36 U
Anthracene	100	0.34 U	0.39 U	0.081 J	0.39 U	0.059 J	0.35 U	0.34 U	0.34 U	0.37 U	0.38 U	0.36 U	0.90	0.39 U	0.34 J	0.37 U	0.37 U	0.071 J	0.055 J	0.13 J	0.069 J	2.1
Atrazine	NA	0.34 U	0.39 U	0.40 U	0.39 U	0.38 U	0.35 U	0.34 U	0.34 U	0.37 U	0.38 U	0.36 U	0.37 U	0.39 U	0.37 U	0.37 U	0.37 U	0.37 U	0.38 U	0.37 U	0.39 U	0.36 U
Benzaldehyde	NA	0.34 U	0.39 U	0.40 U	0.39 U	0.38 U	0.35 U	0.34 U	0.34 U	0.37 U	0.38 U	0.36 U	0.37 U	0.39 U	0.37 U	0.37 U	0.37 U	0.37 U	0.38 U	0.37 U	0.39 U	0.36 U
Benzo[a]anthracene	1	0.034 U	0.15	0.23	0.22	0.35	0.035 U	0.034 U	0.034 U	0.020 J	0.075	1.1	0.067	1.3	0.18	0.33	0.42	0.43	0.23	5.3	0.064	0.036 U
Benzo[a]pyrene	1	0.034 U	0.21	0.19	0.25	0.41	0.027 J	0.034 U	0.025 J	0.063	0.038 U	0.067	0.91	0.054	1.2	0.21	0.42	0.44	0.39	0.31	4.9	0.071
Benzo[b]fluoranthene	1	0.034 U	0.27	0.28	0.29	0.47	0.035	0.034 U	0.040	0.071	0.024 J	0.075	0.47	1.7	0.24	0.47	0.61	0.42	0.34	5.3	0.080	
Benzo[g,h,i]perylene	100	0.34 U	0.10 J	0.12 J	0.19 J	0.32 J	0.35 U	0.34 U	0.34 U	0.091 J	0.38 U	0.059 J	0.56	0.038 J	0.71	0.14 J	0.33 J	0.26 J	0.34 J	0.20 J	3.3	0.042 J
Benzo[k]fluoranthene	0.8	0.034 U	0.039 U	0.10	0.12	0.18	0.035 U	0.034 U	0.034 U	0.023 J	0.038 U	0.036 U	0.33	0.039 U	0.58	0.037 U	0.16	0.22	0.16	0.12	1.7	0.031 J
Bis(2-chloroethoxy)methane	NA	0.34 U	0.39 U	0.40 U	0.39 U	0.38 U	0.35 U	0.34 U	0.34 U	0.37 U	0.38 U	0.36 U	0.37 U	0.39 U	0.37 U	0.37 U	0.37 U	0.37 U	0.38 U	0.37 U	0.39 U	0.36 U
Bis(2-chloroethyl)ether	NA	0.034 U	0.039 U	0.040 U	0.039 U	0.038 U	0.035 U	0.034														

Table 4-22
Soil TCL SVOC Analytical Data
Former Miscellaneous South Lot Areas

TCL SVOCs (mg/kg)	NYSDEC Unrestricted SCO	Soil Samples Former Miscellaneous South Lot Areas					
		SL-23			SL-24		
		(0.5-1.0')	(4.0-4.5')	(6.5-7.0')	(0.5-1.0')	(4.0-4.5')	(6.0-6.5')
1,2,4,5-Tetrachlorobenzene	NA	0.34 U	0.36 U	0.35 U	0.37 U	0.39 U	0.34 U
1,4-Dioxane	0.1	0.34 U	0.36 U	0.35 U	0.37 U	0.39 U	0.34 U
2,2'-oxybis[1-chloropropane]	NA	0.34 U	0.36 U	0.35 U	0.37 U	0.39 U	0.34 U
2,3,4,6-Tetrachlorophenol	NA	0.34 U R	0.36 U R	0.35 U R	0.37 U R	0.39 U R	0.34 U R
2,4,5-Trichlorophenol	NA	0.34 U	0.36 U	0.35 U	0.37 U	0.39 U	0.34 U
2,4,6-Trichlorophenol	NA	0.34 U	0.36 U	0.35 U	0.37 U	0.39 U	0.34 U
2,4-Dichlorophenol	NA	0.34 U	0.36 U	0.35 U	0.37 U	0.39 U	0.34 U
2,4-Dimethylphenol	NA	0.34 U	0.36 U	0.35 U	0.37 U	0.39 U	0.34 U
2,4-Dinitrophenol	NA	1.0 U	1.1 U	1.1 U	1.1 U	1.2 U	1.0 U
2,4-Dinitrotoluene	NA	0.069 U	0.073 U	0.071 U	0.076 U	0.079 U	0.070 U
2,6-Dinitrotoluene	NA	0.069 U	0.073 U	0.071 U	0.076 U	0.079 U	0.070 U
2-Chloronaphthalene	NA	0.34 U	0.36 U	0.35 U	0.37 U	0.39 U	0.34 U
2-Chlorophenol	NA	0.34 U	0.36 U	0.35 U	0.37 U	0.39 U	0.34 U
2-Methylnaphthalene	NA	0.34 U	0.36 U	0.35 U	0.37 U	0.39 U	0.34 U
2-Methylphenol	0.33	0.34 U	0.36 U	0.35 U	0.37 U	0.39 U	0.34 U
2-Nitroaniline	NA	0.69 U	0.73 U	0.71 U	0.76 U	0.79 U	0.70 U
2-Nitrophenol	NA	0.34 U	0.36 U	0.35 U	0.37 U	0.39 U	0.34 U
3,3'-Dichlorobenzidine	NA	0.69 U	0.73 U	0.71 U	0.76 U	0.79 U	0.70 U
3-Nitroaniline	NA	0.69 U	0.73 U	0.71 U	0.76 U	0.79 U	0.70 U
4,6-Dinitro-2-methylphenol	NA	1.0 U	1.1 U	1.1 U	1.1 U	1.2 U	1.0 U
4-Bromophenyl phenyl ether	NA	0.34 U	0.36 U	0.35 U	0.37 U	0.39 U	0.34 U
4-Chloro-3-methylphenol	NA	0.34 U	0.36 U	0.35 U	0.37 U	0.39 U	0.34 U
4-Chloroaniline	NA	0.34 U	0.36 U	0.35 U	0.37 U	0.39 U	0.34 U
4-Chlorophenyl phenyl ether	NA	0.34 U	0.36 U	0.35 U	0.37 U	0.39 U	0.34 U
4-Methylphenol	0.33	0.34 U	0.36 U	0.35 U	0.37 U	0.39 U	0.34 U
4-Nitroaniline	NA	0.69 U	0.73 U	0.71 U	0.76 U	0.79 U	0.70 U
4-Nitrophenol	NA	1.0 U	1.1 U	1.1 U	1.1 U	1.2 U	1.0 U
Acenaphthene	20	0.12 J	0.36 U	0.35 U	0.37 U	0.39 U	0.34 U
Acenaphthylene	100	0.34 U	0.36 U	0.35 U	0.37 U	0.39 U	0.34 U
Acetophenone	NA	0.34 U	0.36 U	0.35 U	0.37 U	0.39 U	0.34 U
Anthracene	100	0.27 J	0.097 J	0.35 U	0.37 U	0.39 U	0.34 U
Atrazine	NA	0.34 U	0.36 U	0.35 U	0.37 U	0.39 U	0.34 U
Benzaldehyde	NA	0.34 U	0.36 U	0.35 U	0.37 U	0.39 U	0.34 U
Benzo[a]anthracene	1	0.89	0.23	0.043	0.030 J	0.039 U	0.034 U
Benzo[a]pyrene	1	0.94	0.24	0.044	0.025 J	0.039 U	0.034 U
Benzo[b]fluoranthene	1	1.1	0.26	0.048	0.029 J	0.039 U	0.034 U
Benzo[g,h,i]perylene	100	0.50	0.12 J	0.035 J	0.37 U	0.39 U	0.34 U
Benzo[k]fluoranthene	0.8	0.48	0.091	0.017 J	0.0085 J	0.039 U	0.034 U
Bis(2-chloroethoxy)methane	NA	0.34 U	0.36 U	0.35 U	0.37 U	0.39 U	0.34 U
Bis(2-chloroethyl)ether	NA	0.034 U	0.036 U	0.035 U	0.037 U	0.039 U	0.034 U
Bis(2-ethylhexyl) phthalate	NA	0.34 U	0.36 U	0.35 U	0.37 U	0.39 U	0.34 U
Butyl benzyl phthalate	NA	0.34 U	0.36 U	0.35 U	0.37 U	0.39 U	0.34 U
Caprolactam	NA	0.34 U	0.36 U	0.35 U	0.37 U	0.39 U	0.34 U
Carbazole	NA	0.20 J	0.36 U	0.35 U	0.37 U	0.39 U	0.34 U
Chrysene	1	0.99	0.26 J	0.051 J	0.37 U	0.39 U	0.34 U
Dibenz(a,h)anthracene	0.33	0.14	0.037	0.0084 J	0.037 U	0.039 U	0.034 U
Dibenzofuran	7	0.065 J	0.36 U	0.35 U	0.37 U	0.39 U	0.34 U
Diethyl phthalate	NA	0.34 U	0.36 U	0.35 U	0.37 U	0.39 U	0.34 U
Dimethyl phthalate	NA	0.34 U	0.36 U	0.35 U	0.37 U	0.39 U	0.34 U
Di-n-butyl phthalate	NA	0.34 U	0.36 U	0.35 U	0.37 U	0.39 U	0.34 U
Di-n-octyl phthalate	NA	0.34 U	0.36 U	0.35 U	0.37 U	0.39 U	0.34 U
Diphenyl	NA	0.34 U	0.36 U	0.35 U	0.37 U	0.39 U	0.34 U
Fluoranthene	100	2.4	0.56	0.070 J	0.37 U	0.39 U	0.34 U
Fluorene	30	0.11 J	0.36 U	0.35 U	0.37 U	0.39 U	0.34 U
Hexachlorobenzene	0.33	0.034 U	0.036 U	0.035 U	0.037 U	0.039 U	0.034 U
Hexachlorobutadiene	NA	0.069 U	0.073 U	0.071 U	0.076 U	0.079 U	0.070 U
Hexachlorocyclopentadiene	NA	0.34 U	0.36 U	0.35 U	0.37 U	0.39 U	0.34 U
Hexachloroethane	NA	0.034 U	0.036 U	0.035 U	0.037 U	0.039 U	0.034 U
Indeno[1,2,3-cd]pyrene	0.5	0.64	0.14	0.032 J	0.023 J	0.039 U	0.034 U
Isophorone	NA	0.34 U	0.36 U	0.35 U	0.37 U	0.39 U	0.34 U
Naphthalene	12	0.055 J	0.36 U	0.35 U	0.37 U	0.39 U	0.34 U
Nitrobenzene	NA	0.034 U	0.036 U	0.035 U	0.037 U	0.039 U	0.034 U
N-Nitrosodi-n-propylamine	NA	0.034 U	0.036 U	0.035 U	0.037 U	0.039 U	0.034 U
N-Nitrosodiphenylamine	NA	0.34 U	0.36 U	0.35 U	0.37 U	0.39 U	0.34 U
Pentachlorophenol	0.8	1.0 U	1.1 U	1.1 U	1.1 U	1.2 U	1.0 U
Phenanthrene	100	1.5	0.51	0.051 J	0.37 U	0.39 U	0.34 U
Phenol	0.33	0.34 U	0.36 U	0.35 U	0.37 U	0.39 U	0.34 U
Pyrene	100	1.3	0.43	0.085 J	0.048 J	0.39 U	0.34 U
Pyridine	NA	0.34 U	0.36 U	0.35 U	0.37 U	0.39 U	0.34 U

Notes

ND: TIC not detected

J : Indicates an estimated value.

J N : This flag indicates the presumptive evidence of a compound.

U : Analyzed for but not detected.

U R : Indicates that value is rejected based upon DUSR review by third party data validator.

Highlighted / bolded indicates analyte exceeded above its respective NYSDEC Unrestricted SCO.

NA - Not Available

Table 4-23
TAL Metals Soil Analytical Data
Former Miscellaneous South Lot Areas

TAL Metals (mg/kg)	NYSDEC Unrestricted SCO	Soil Samples Former Miscellaneous South Lot Areas																		
		SL-1			SL-2			SL-3			SL-4		SL-5		SL-6			SL-7		
		(0.5-1.0')	(4.0-4.5')	(6.0-6.5')	(0.5-1.0')	(3.0-3.5')	(7.0-7.5')	(0.5-1.0')	(4.0-4.5')	(7.0-7.5')	(0.5-1.0')	(2.0-2.5')	(0.5-1.0')	(1.0-1.5')	(0.5-1.0')	(1.5-2.0')	(2.0-2.5')	(0.5-1.0')	(3.0-3.5')	(7.0-7.5')
Aluminum	NA	3,950	4,640	4,400	4,560	6,010	948	742	7,150	5,250	6,190	6,260	3,320	1,270	6,390	7,750	8,980	6,290	5,920	19,700
Antimony	NA	2.2 U	1.9 U	2.0 U	2.1 U	1.9 U	2.0 U	2.1 U	2.0 U	2.4 U	2.1 U	2.0 U	1.9 U	2.1 U	2.1 U	3.1 U	2.3 U	2.0 U	2.2 U	2.3 U
Arsenic	13	2.1	2.5	3.3	2.5	2.6	1.0 U	4.3	2.6	1.6	1.5	2.5	1.9	1.1 U	3.1	1.7	2.0	2.2	2.9	2.3
Barium	350	34.7 J	38.7	33.4 J	19.1 J	28.1 J	9.2 J	8.1 J	35.2 J	36.5 J	30.1 J	45.7	9.2 J	7.0 J	61.4	81.5	65.0	30.2 J	47.9	137
Beryllium	7.2	0.44 U	0.21 J	0.18 J	0.22 J	0.27 J	0.41 U	0.42 U	0.26 J	0.25 J	0.16 J	0.28 J	0.38 U	0.42 U	0.30 J	0.61 J	0.50	0.28 J	0.32 J	0.60
Cadmium	2.5	2.0	0.84 J	0.52 J	1.5	1.2	1.0 U	145	16.1	0.19 J	1.1 U	1.0 U	0.94 U	1.1 U	0.77 J	1.6 U	1.1 U	0.98 U	1.1 U	1.1 U
Calcium	NA	4,200	7,200	17,000	20,300	5,030	99 J	205,000	4,950	627 J	7,060	23,000	29,800	461 J	2,490	3,550	1,650	3,350	2,010	2,470
Chromium ¹	30	10.8	11.9	13.8	10.0	12.7	4.7	3.5	16.1	10.8	10.7	14.5	2.5	3.0	15.2	17.8	18.4	12.9	13.1	43.6
Cobalt	NA	3.5 J	4.2 J	3.1 J	4.0 J	4.8 J	0.94 J	1.5 J	4.7 J	3.3 J	6.6 J	4.3 J	6.6 J	1.2 J	3.5 J	2.1 J	5.3 J	4.3 J	4.3 J	9.9 J
Copper	50	20.1	356	24.3	8.7	9.9	5.1 U	5.2 J	11.2	2.5 J	21.5	9.6	22.1	3.3 J	17.6	5.4 J	9.7	11.3	19.9	18.3
Iron	NA	9,560	9,540	9,200	11,300	11,500	3,240	5,040	12,500	10,300	17,800	11,200	12,800	3,070	15,800	6,560	15,900	11,800	11,100	26,600
Lead	63	14.8	37.4	35.0	15.0	16.2	1.2	7.3	21.8	5.2	18.9	19.3	2.4	1.5	92.7	20.7	26.9	14.2	36.0	9.2
Magnesium	NA	2,470	3,150	9,730	12,200	3,740	180 J	107,000	3,930	1,430	4,080	13,200	16,600	452 J	1,330	1,020 J	2,030	2,910	1,570	4,230
Manganese	1,600	762	467	571	239	283	123	139	221	89.9	208	262	145	49.3	203	187	472	231	233	228
Nickel	30	7.1 J	8.6	8.2	6.1 J	8.1	1.3 J	4.5 J	8.9	5.5 J	9.7	9.4	3.9 J	1.8 J	6.7 J	5.9 J	10.8	7.4 J	9.4	22.0
Potassium	NA	467 J	471 J	526 J	455 J	571 J	120 J	298 J	876 J	453 J	476 J	630 J	210 J	168 J	315 J	192 J	782 J	660 J	536 J	3,510
Selenium	3.9	2.2 U	1.9 U	2.0 U	2.1 U	1.9 U	2.0 U	2.1 U	2.0 U	2.4 U	2.1 U	2.0 U	1.9 U	2.1 U	3.1 U	2.3 U	2.3 U	2.0 U	2.2 U	2.3 U
Silver	2	5.1	24.6	17.8	25.5	9.4	0.73 J	1,880	50.8	2.4 U	1.3 J	2.3	29.8	9.6	0.50 J	3.1 U	2.3 U	2.4	105	2.3 U
Sodium	NA	1,090 U	968 U	1,010 U	1,060 U	945 U	1,020 U	1,060 U	980 U	1,180 U	501 J	188 J	395 J	1,060 U	1,040 U	1,550 U	1,130 U	976 U	1,100 U	1,130 U
Thallium	NA	2.2 U	1.9 U	2.0 U	2.1 U	1.9 U	2.0 U	2.1 U	2.0 U	2.4 U	2.1 U	2.0 U	1.9 U	2.1 U	2.1 U	3.1 U	2.3 U	2.0 U	2.2 U	2.3 U
Vanadium	NA	10.9	12.8	13.3	14.3	14.8	3.5 J	6.7 J	21.8	17.2	33.6	15.3	29.3	6.5 J	13.0	8.9 J	20.0	17.2	18.7	32.1
Zinc	109	84.4	156	87.8	26.1	29.8	3.6 J	25.6	40.3	22.4	31.5	28.4	18.8	7.4	472	17.5	42.6	38.5	56.9	67.0
Mercury	0.18	0.035	0.081	0.069	0.037	0.029	0.017 U	0.11	0.15	0.020 U	0.036	0.12	0.014 J	0.013 J	0.38	0.069	0.047	0.030	0.038	0.018 J

Notes
J : Sample result is greater than the MDL but below the CRDL
U : Indicates analyzed for but not detected.
¹ Trivalent chromium SCOs utilized.
Highlighted / bolded indicates analyte exceeded above its respective NYSDEC Unrestricted SCO.
NA - Not Available



Table 4-23
TAL Metals Soil Analytical Data
Former Miscellaneous South Lot Areas

	NYSDEC Unrestricted SCO	Soil Samples Former Miscellaneous South Lot Areas																					
SL-8			SL-9	SL-10	SL-10A			SL-11		SL-12			SL-20			SL-21			SL-22				
(0.5-1.0')		(4.5-5.0')	(7.0-7.5')	(0.5-1.0')	(0.5-1.0')	(0.5-1.0')	(5.0-5.5')	(7.5-8.0')	(0.5-1.0')	(4.0-4.5')	(0.5-1.0')	(1.0-1.5')	(3.0-3.5')	(0.5-1.0')	(2.0-2.5')	(3.0-3.5')	(0.5-1.0')	(2.5-3.0')	(4.0-4.5')	(0.5-1.0')	(4.0-4.5')	(5.5-6.0')	
TAL Metals (mg/kg)	NA	517	6,940	10,300	5,500	6,000	2,220	2,580	3,830	7,790	3,810	5,590	6,950	3,400	5,120	8,700	5,720	5,190	6,900	6,560	9,720	12,100	5,980
Aluminum	NA	1.9 U	2.4 U	2.4 U	2.3 U	1.6 U	1.6 U	1.7 U	1.8 U	2.2 U	2.2 U	2.2 U	2.1 U	2.4 U	2.1 U	2.1 U	2.2 U	2.1 U	2.0 U	2.0 U	2.1 U	2.0 U	
Antimony	13	0.95 U	3.4	4.4	2.7	12.0	1.1	1.2	1.1	3.2	2.1	4.6	2.9	4.1	4.4	6.8	4.4	4.0	3.4	2.9	3.8	6.0	3.6
Arsenic	350	1.6 J	58.6	69.8	35.4 J	59.3	12.6 J	12.8 J	20.8 J	61.2	29.2 J	73.3	58.3	50.2	52.7	59.2	39.2 J	34.4 J	56.0	70.7	71.4	59.7	21.1 J
Barium	7.2	0.38 U	0.41 J	0.54	0.22 J	0.30 J	0.15 J	0.19 J	0.18 J	0.39 J	0.16 J	0.43 U	0.26 J	0.48 U	0.18 J	0.28 J	0.45 U	0.18 J	0.22 J	0.29 J	0.52	0.43	0.19 J
Beryllium	2.5	0.95 U	0.34 J	1.2 U	13.0	0.45 J	0.82 U	0.86 U	0.91 U	1.6	1.1 U	1.2	1.1 U	1.2 U	0.16 J	0.77 J	0.33 J	1.1 U	0.94 J	1.0 U	1.1 U	1.0 U	
Cadmium	NA	249 J	2,440	1,410	7,150	1,470	5,250	680 J	1,810	3,620	1,120	7,260	1,220	1,010 J	43,700	13,500	50,100	58,800	5,590	84,600	1,850	1,610	510 J
Calcium	30	1.2 J	15.9	21.9	12.9	14.7	8.3	5.9	11.3	17.2	11.7	15.2	16.4	9.4	10.7	36.3	14.8	11.0	34.4	12.1	15.1	19.1	10.8
Chromium ¹	NA	9.5 U	10 J	9.0 J	4.4 J	4.9 J	3.3 J	1.8 J	2.2 J	3.7 J	2.5 J	5.8 J	5.8 J	4.3 J	3.0 J	5.3 J	4.2 J	2.8 J	3.4 J	2.6 J	5.5 J	4.6 J	7.0 J
Cobalt	50	4.8 U	14.6	13.6	13.0	16.4	4.5	5.4	5.1	8.6	6.0	8.7	8.8	5.4 J	14.4	26.1	34.0	11.1	16.4	14.6	18.2	11.3	6.6
Copper	NA	1,180	14,400	18,800	9,850	10,800	6,440	7,430	7,710	9,310	8,920	19,000	14,100	14,900	8,750	12,800	11,800	7,110	10,600	8,740	13,100	16,300	13,400
Iron	63	1.2	36.6	13.4	26.9	127	4.7	1.9	2.7	21.5	5.3	13.7	9.7	7.7	27.4	44.3	29.6	20.7	38.3	23.5	85.4	42.3	4.0
Lead	NA	194 J	2,430	2,720	2,490	1,510	741 J	902	1,950	2,410	945 J	3,370	1,890	1,260	6,300	6,400	15,900	11,300	2,220	23,700	1,950	2,050	1,410
Magnesium	1,600	22.1	201	396	249	210	129	83.6	121	173	161	800	393	807	134	212	163	139	103	191	158	235	376
Manganese	30	0.87 J	62.3	23.4	8.7 J	11.1	4.9 J	3.5 J	3.7 J	9.3	6.8 J	10.8	10.6	7.5 J	8.8	11.2	8.1 J	6.5 J	8.1	7.7 J	10.3	9.9	6.4 J
Nickel	NA	952 U	869 J	776 J	744 J	639 J	313 J	394 J	859 J	472 J	440 J	1,050 J	937 J	566 J	833 J	1,280	705 J	537 J	749 J	1,520	549 J	607 J	632 J
Potassium	3.9	1.9 U	2.4 U	2.4 U	2.3 U	1.6 U	1.6 U	1.7 U	1.8 U	2.2 U	2.2 U	2.2 U	2.1 U	2.4 U	2.1 U	2.1 U	2.2 U	2.1 U	2.0 U	2.3 U	2.1 U	2.0 U	
Selenium	2	1.9 U	49.6	6.6	73.1	152	1.6 U	1.7 U	0.35 J	6.6	0.51 J	5.0	2.1 U	2.4 U	2.1 U	26.0	2.5	1.6 J	8.3	9.2	2.3 U	2.1 U	2.0 U
Silver	NA	952 U	1,200 U	1,190 U	1,140 U	789 U	818 U	864 U	906 U	1,110 U	1,090 U	1,080 U	1,060 U	1,190 U	1,060 U	1,070 U	236 J	1,070 U	996 U	263 J	1,140 U	1,060 U	1,020 U
Sodium	NA	1.9 U	2.4 U	2.4 U	2.3 U	1.6 U	1.6 U	1.7 U	1.8 U	2.2 U	2.2 U	2.2 U	2.1 U	2.4 U	2.1 U	2.1 U	2.2 U	2.1 U	2.0 U	2.0 U	2.3 U	2.1 U	2.0 U
Thallium	NA	1.8 J	19.4	29.9	13.4	20.7	6.5 J	6.1 J	13.5	16.2	10.0 J	15.6	18.4	9.5 J	20.8	25.4	24.5	16.9	18.1	20.9	19.5	25.5	14.5
Vanadium	109	2.9 J	167	50.7	113	110	13.1	11.1	16.4	29.7	18.5	30.4	30.9	18.9	48.6	58.3	43.0	31.4	66.4	43.1	59.2	40.4	17.9
Zinc	0.18	0.016 U	0.15	0.033	0.14	0.060	0.017 U	0.017 U	0.018 U	0.014 J	0.068	0.057	0.016 U	0.019 U	0.067	0.41	0.39	0.023	0.024	0.024	0.12	0.030	0.016 U
Mercury																							

Notes
J : Sample result is greater than the MDL but below the CRDL
U : Indicates analyzed for but not detected.
¹ Trivalent chromium SCOs utilized.
Highlighted / bolded indicates analyte exceeded above its respective NYSDEC Unrestricted SCO.
NA - Not Available



Table 4-23
TAL Metals Soil Analytical Data
Former Miscellaneous South Lot Areas

TAL Metals (mg/kg)	NYSDEC Unrestricted SCO	Soil Samples Former Miscellaneous South Lot Areas																			
		SL-23			SL-24			Bldg1-RCRA2-4-SB-4		SL-33	SL-34	SL-35	SL-36		SL-37	SL-38		SL-39	SL-40		SL-41
		(0.5-1.0')	(4.0-4.5')	(6.5-7.0')	(0.5-1.0')	(4.0-4.5')	(6.0-6.5')	(4.0-4.5')	(6.0-6.5')	(0.5-1.0')	(0.5-1.0')	(0.5-1.0')	(0.5-1.0')	(1.5-2.0')	(0.5-1.0')	(0.5-1.0')	(2.0-2.5')	(0.5-1.0')	(0.5-1.0')	(1.0-1.5')	(0.5-1.0')
Aluminum	NA	3,700	7,340	4,550	11,100	8,720	7,550	5,270	6,620	4,650	7,840	6,220	5,680	7,970	6,760	5,750	8,470	5,040	4,070	5,830	7,000
Antimony	NA	2.0 U	2.0 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.2 U	2.1 U	1.9 U	2.0 U	2.2 U	1.8 U	1.8 U	2.2 U	2.1 U	2.0 U	2.1 U
Arsenic	13	2.7	5.0	3.1	4.1	5.9	1.6	1.6	5.8	1.8	3.1	6.1	2.2	3.7	4.3	3.4	3.7	8.4	2.7	0.96 J	3.4
Barium	350	21.6 J	47.3	36.3 J	42.7	38.5 J	41.8	21.7 J	19.9 J	35.4 J	82.6	186	30.0 J	52.6	78.1	34.0 J	65.7	44.6	15.0 J	25.1 J	37.4 J
Beryllium	7.2	0.15 J	0.28 J	0.15 J	0.38 J	0.26 J	0.17 J	0.43 U	0.25 J	0.17 J	0.29 J	0.18 J	0.39 U	0.31 J	0.28 J	0.22 J	0.28 J	0.20 J	0.20 J	0.23 J	0.30 J
Cadmium	2.5	5.7	0.39 J	1.1 U	1.1 U	0.19 J	0.79 J	1.1 U	0.20 J	0.37 J	0.42 J	0.53 J	0.29 J	0.30 J	0.35 J	0.18 J	0.28 J	0.53 J	1.0 U	1.0 U	1.1 U
Calcium	NA	1,400	7,500	2,510	861 J	16,000	22,700	355 J	1,640	25,400	2,460	9,010	62,100	1,720	5,650	8,250	3,190	13,300	14,200	1,070	3,650
Chromium ¹	30	11.9	20.0	12.9	17.7	19.1	8.6	11.2	27.8	9.2	14.9	12.7	9.4	16.2	14.4	13.3	16.1	24.1	6.4	10.2	12.7
Cobalt	NA	3.2 J	5.0 J	3.4 J	6.6 J	6.2 J	6.0 J	2.9 J	11.1	2.7 J	4.2 J	2.8 J	4.1 J	4.5 J	3.9 J	4.6 J	4.1 J	3.5 J	2.7 J	2.1 J	4.4 J
Copper	50	8.2	11.7	7.7	9.8	10.6	10.5	4.4 J	7.8	17.9	33.1	28.0	18.6	22.2	25.1	12.2	15.3	22.7	8.4	5.6	12.3
Iron	NA	8,160	12,700	8,040	20,700	15,700	17,500	8,080	19,900	6,960	11,600	7,890	10,500	12,200	11,800	9,840	12,700	11,700	8,700	7,460	11,600
Lead	63	36.2	29.4	38.7	10.4	27.2	8.2	3.6	3.9	62.6	153	890	49.3	82.1	155	45.2	105	70.0	9.0	21.2	37.1
Magnesium	NA	1,670	4,730	2,440	2,080	10,600	14,400	1,360	2,210	5,990	1,850	1,080	23,100	2,230	3,030	1,790	2,130	4,380	7,900	1,280	2,310
Manganese	1,600	93.2	271	227	242	399	368	102	524	123	219	163	223	229	188	178	144	126	108	43.0	163
Nickel	30	7.0 J	11.0	7.3 J	10.2	11.1	6.7 J	6.2 J	13.3	6.5 J	9.3	6.1 J	7.0 J	13.5	9.0	9.0	9.4	7.6 J	5.5 J	4.9 J	8.7
Potassium	NA	636 J	1,040	909 J	901 J	1,130	2,380	383 J	399 J	421 J	702 J	308 J	567 J	604 J	586 J	836 J	729 J	486 J	327 J	220 J	742 J
Selenium	3.9	2.0 U	2.0 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.2 U	2.1 U	1.9 U	2.0 U	2.2 U	1.8 U	1.8 U	2.2 U	2.1 U	2.0 U	2.1 U
Silver	2	50.6	3.7	0.28 J	2.1 U	2.1 U	0.47 J	2.1 U	2.1 U	44.1	18.3	3.3	4.2	33.9	85.4	2.7	21.6	2,090	4.4	16.4	7.4
Sodium	NA	998 U	993 U	1,050 U	1,050 U	1,040 U	1,030 U	1,060 U	1,060 U	1,070 U	1,120 U	1,050 U	486 J	1,020 U	1,120 U	891 U	913 U	1,110 U	1,040 U	1,000 U	1,060 U
Thallium	NA	2.0 U	2.0 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.2 U	2.1 U	1.9 U	2.0 U	2.2 U	1.8 U	1.8 U	2.2 U	2.1 U	2.0 U	2.1 U
Vanadium	NA	11.2	20.8	12.7	24.8	24.4	21.0	12.7	19.1	11.0	17.7	13.4	31.4	18.1	17.3	13.6	19.5	20.1	14.2	11.3	18.7
Zinc	109	57.8	48.4	30.4	30.1	44.1	126	17.9	32.6	52.9	151	183	92.2	75.5	120	45.5	90.2	718	22.3	19.2	54.6
Mercury	0.18	0.17	0.13	0.038	0.035	0.042	0.015 J	0.018 U	0.071	0.17	0.24	0.26	0.25	0.54	0.22	0.16	0.34	0.22	0.038	0.068	0.072

Notes
J : Sample result is greater than the MDL but below the CRDL
U : Indicates analyzed for but not detected.
¹ Trivalent chromium SCOs utilized.
Highlighted / bolded indicates analyte exceeded above its respective NYSDEC Unrestricted SCO.
NA - Not Available



Table 4-23
TAL Metals Soil Analytical Data
Former Miscellaneous South Lot Areas

TAL Metals (mg/kg)	NYSDEC Unrestricted SCO	Soil Samples Former Miscellaneous South Lot Areas				
		SL-42		SL-43	SL-44	
		(0.5-1.0')	(2.5-3.0')	(0.5-1.0')	(0.5-1.0')	(1.0-1.5')
Aluminum	NA	1,500	208	7,090	5,590	5,990
Antimony	NA	1.4 U	2.0 U	2.2 U	2.1 U	2.1 U
Arsenic	13	1.0	1.0 U	3.3	2.7	1.1
Barium	350	10 J	31.4 J	45.6	28.9 J	37.6 J
Beryllium	7.2	0.29 U	0.40 U	0.34 J	0.42 U	0.16 J
Cadmium	2.5	0.71 J	0.25 J	1.0 J	2.2	0.60 J
Calcium	NA	3,450	294 J	1,090	4,990	4,320
Chromium ¹	30	4.0	2.0 U	15.8	12.5	12.1
Cobalt	NA	1.9 J	5.4 J	3.2 J	4.9 J	3.2 J
Copper	50	5.0	5.0 U	12.4	5.6	3.5 J
Iron	NA	4,700	314	11,700	12,600	7,990
Lead	63	5.8	1.8	82.7	7.9	16.8
Magnesium	NA	1,660	87 J	1,420	1,590	1,310
Manganese	1,600	128	8.9	175	552	268
Nickel	30	6.2	52.1	8.4 J	7.0 J	6.2 J
Potassium	NA	207 J	1,010 U	729 J	670 J	534 J
Selenium	3.9	1.4 U	2.0 U	2.2 U	2.1 U	2.1 U
Silver	2	9.6	1.2 J	43.9	16.0	20.1
Sodium	NA	717 U	1,010 U	1,090 U	1,040 U	1,050 U
Thallium	NA	1.4 U	2.0 U	2.2 U	2.1 U	2.1 U
Vanadium	NA	4.5 J	2.1 J	15.2	14.2	11.5
Zinc	109	26.6	10.2	68.6	18.9	22.6
Mercury	0.18	0.035	0.020	0.13	0.30	0.14

Notes

J : Sample result is greater than the MDL but below the CRDL

U : Indicates analyzed for but not detected.

¹ Trivalent chromium SCOs utilized.

Highlighted / bolded indicates analyte exceeded above its respective NYSDEC Unrestricted SCO.

NA - Not Available



Table 4-24
TCL VOCs Soil Analytical Data
Former Quonset Hut Area

TCL VOCs (mg/kg)	NYSDEC Unrestricted SCO	Soil Samples Former Quonset Hut Area											
		SL-25	SL-26	SL-27			SL-28	SL-29	SL-30	SL-31			SL-32
		(0.5-1.0')	(0.5-1.0')	(0.5-1.0')	(2.5-3.0')	(6.0-6.5')	(0.5-1.0')	(0.5-1.0')	(0.5-1.0')	(0.5-1.0')	(5.0-5.5')	(7.0-7.5')	(0.5-1.0')
1,1,1-Trichloroethane	0.68	0.00089 U	0.00084 U	0.0010 U	0.00091 U	0.0012 U	0.00092 U	0.00090 U	0.00093 U	0.00094 U	0.0011 U	0.0011 U	0.00090 U
1,1,2,2-Tetrachloroethane	NA	0.00089 U	0.00084 U	0.0010 U	0.00091 U	0.0012 U	0.00092 U	0.00090 U	0.00093 U	0.00094 U	0.0011 U	0.0011 U	0.00090 U
1,1,2-Trichloroethane	NA	0.00089 U	0.00084 U	0.0010 U	0.00091 U	0.0012 U	0.00092 U	0.00090 U	0.00093 U	0.00094 U	0.0011 U	0.0011 U	0.00090 U
1,1-Dichloroethane	0.27	0.00089 U	0.00084 U	0.0010 U	0.00091 U	0.0012 U	0.00092 U	0.00090 U	0.00093 U	0.00094 U	0.0011 U	0.0011 U	0.00090 U
1,1-Dichloroethene	0.33	0.00089 U	0.00084 U	0.0010 U	0.00091 U	0.0012 U	0.00092 U	0.00090 U	0.00093 U	0.00094 U	0.0011 U	0.0011 U	0.00090 U
1,2,3-Trichlorobenzene	NA	0.00089 U	0.00084 U	0.0010 U	0.00091 U	0.0012 U	0.00092 U	0.00090 U	0.00093 U	0.00094 U	0.0011 U	0.0011 U	0.00090 U
1,2,4-Trichlorobenzene	NA	0.00089 U	0.00084 U	0.0010 U	0.00091 U	0.0012 U	0.00092 U	0.00090 U	0.00093 U	0.00094 U	0.0011 U	0.0011 U	0.00090 U
1,2-Dibromo-3-Chloropropane	NA	0.00089 U	0.00084 U	0.0010 U	0.00091 U	0.0012 U	0.00092 U	0.00090 U	0.00093 U	0.00094 U	0.0011 U	0.0011 U	0.00090 U
1,2-Dibromoethane	NA	0.00089 U	0.00084 U	0.0010 U	0.00091 U	0.0012 U	0.00092 U	0.00090 U	0.00093 U	0.00094 U	0.0011 U	0.0011 U	0.00090 U
1,2-Dichlorobenzene	1.1	0.00089 U	0.00084 U	0.0010 U	0.00091 U	0.0012 U	0.00092 U	0.00090 U	0.00093 U	0.00094 U	0.0011 U	0.00016 J	0.00090 U
1,2-Dichloroethane	0.02	0.00089 U	0.00084 U	0.0010 U	0.00091 U	0.0012 U	0.00092 U	0.00090 U	0.00093 U	0.00094 U	0.0011 U	0.0011 U	0.00090 U
1,2-Dichloropropane	NA	0.00089 U	0.00084 U	0.0010 U	0.00091 U	0.0012 U	0.00092 U	0.00090 U	0.00093 U	0.00094 U	0.0011 U	0.0011 U	0.00090 U
1,3-Dichlorobenzene	2.4	0.00089 U	0.00084 U	0.0010 U	0.00091 U	0.0012 U	0.00092 U	0.00090 U	0.00093 U	0.00094 U	0.0011 U	0.0011 U	0.00090 U
1,4-Dichlorobenzene	1.8	0.00089 U	0.00084 U	0.0010 U	0.00091 U	0.0012 U	0.00092 U	0.00090 U	0.00093 U	0.00094 U	0.0011 U	0.00020 J	0.00090 U
1,4-Dioxane	0.1	0.045 U	0.042 U	0.052 U	0.046 U	0.058 U	0.046 U	0.045 U	0.047 U	0.047 U	0.055 U	0.057 U	0.045 U
2-Butanone (MEK)	0.12	0.0089 U	0.0084 U	0.023 J	0.0091 U	0.012 U	0.011	0.0090 U	0.0034 J	0.0094 U	0.011 U	0.011 U	0.0090 U
2-Hexanone	NA	0.0089 U	0.0084 U	0.010 U	0.0091 U	0.012 U	0.0092 U	0.0090 U	0.0093 U	0.0094 U	0.011 U	0.011 U	0.0090 U
4-Methyl-2-pentanone	NA	0.0089 U	0.0084 U	0.010 U	0.0091 U	0.012 U	0.0092 U	0.0090 U	0.0093 U	0.0094 U	0.011 U	0.011 U	0.0090 U
Acetone	0.05	0.0043 J B	0.0016 J B	0.078 B	0.0050 J B	0.0081 J B	0.043 B	0.0063 J B	0.0063 J B	0.0054 J B	0.011 U	0.032 B	0.0044 J B
Benzene	0.06	0.00089 U	0.00084 U	0.0010 U	0.00091 U	0.0012 U	0.00092 U	0.00090 U	0.00093 U	0.00094 U	0.0011 U	0.0011 U	0.00090 U
Bromochloromethane	NA	0.00089 U	0.00084 U	0.0010 U	0.00091 U	0.0012 U	0.00092 U	0.00090 U	0.00093 U	0.00094 U	0.0011 U	0.0011 U	0.00090 U
Bromodichloromethane	NA	0.00089 U	0.00084 U	0.0010 U	0.00091 U	0.0012 U	0.00092 U	0.00090 U	0.00093 U	0.00094 U	0.0011 U	0.0011 U	0.00090 U
Bromoform	NA	0.00089 U	0.00084 U	0.0010 U	0.00091 U	0.0012 U	0.00092 U	0.00090 U	0.00093 U	0.00094 U	0.0011 U	0.0011 U	0.00090 U
Bromomethane	NA	0.00089 U	0.00084 U	0.0010 U	0.00091 U	0.0012 U	0.00092 U	0.00090 U	0.00093 U	0.00094 U	0.0011 U	0.0011 U	0.00090 U
Carbon disulfide	NA	0.00089 U	0.00084 U	0.0010 U	0.00091 U	0.0012 U	0.00038 J	0.00090 U	0.00093 U	0.00094 U	0.0011 U	0.0047	0.00090 U
Carbon tetrachloride	0.76	0.00089 U	0.00084 U	0.0010 U	0.00091 U	0.0012 U	0.00092 U	0.00090 U	0.00093 U	0.00094 U	0.0011 U	0.0011 U	0.00090 U
Chlorobenzene	1.1	0.00089 U	0.00084 U	0.0010 U	0.00091 U	0.0012 U	0.00092 U	0.00090 U	0.00093 U	0.00094 U	0.0011 U	0.0011 U	0.00090 U
Chloroethane	NA	0.00089 U	0.00084 U	0.0010 U	0.00091 U	0.0012 U	0.00092 U	0.00090 U	0.00093 U	0.00094 U	0.0011 U	0.0011 U	0.00090 U
Chloroform	0.37	0.00089 U	0.00084 U	0.0010 U	0.00091 U	0.0012 U	0.00092 U	0.00090 U	0.00093 U	0.00094 U	0.0011 U	0.0011 U	0.00090 U
Chloromethane	NA	0.00089 U	0.00084 U	0.0010 U	0.00091 U	0.0012 U	0.00092 U	0.00090 U	0.00093 U	0.00094 U	0.0011 U	0.0011 U	0.00090 U
cis-1,2-Dichloroethene	0.25	0.00089 U	0.00084 U	0.0010 U	0.00091 U	0.0012 U	0.00092 U	0.00090 U	0.00093 U	0.00094 U	0.0011 U	0.0011 U	0.00090 U
cis-1,3-Dichloropropene	NA	0.00089 U	0.00084 U	0.0010 U	0.00091 U	0.0012 U	0.00092 U	0.00090 U	0.00093 U	0.00094 U	0.0011 U	0.0011 U	0.00090 U
Cyclohexane	NA	0.00089 U	0.00084 U	0.0010 U	0.00091 U	0.0012 U	0.00092 U	0.00090 U	0.00093 U	0.00094 U	0.0011 U	0.00069 J	0.00090 U
Dibromochloromethane	NA	0.00089 U	0.00084 U	0.0010 U	0.00091 U	0.0012 U	0.00092 U	0.00090 U	0.00093 U	0.00094 U	0.0011 U	0.0011 U	0.00090 U
Dichlorodifluoromethane	NA	0.00089 U	0.00084 U	0.0010 U	0.00091 U	0.0012 U	0.00092 U	0.00090 U	0.00093 U	0.00094 U	0.0011 U	0.0011 U	0.00090 U
Ethylbenzene	1	0.00089 U	0.00084 U	0.0010 U	0.00091 U	0.0012 U	0.00092 U	0.00090 U	0.00093 U	0.00094 U	0.0011 U	0.0011 U	0.00090 U
Freon 113	NA	0.00089 U	0.00084 U	0.0010 U	0.00091 U	0.0012 U	0.00092 U	0.00090 U	0.00093 U	0.00094 U	0.0011 U	0.0011 U	0.00090 U
Isopropylbenzene	NA	0.00089 U	0.00084 U	0.0010 U	0.00091 U	0.0012 U	0.00092 U	0.00090 U	0.00093 U	0.00094 U	0.0011 U	0.0011 U	0.00090 U
m&p-Xylene	0.26	0.0018 U	0.0017 U	0.0021 U	0.0018 U	0.0023 U	0.0018 U	0.0018 U	0.0019 U	0.0019 U	0.0022 U	0.0023 U	0.0018 U
Methyl acetate	NA	0.00089 U	0.00084 U	0.0010 U	0.00091 U	0.0012 U	0.00092 U	0.00090 U	0.00093 U	0.00094 U	0.0011 U	0.0011 U	0.00090 U
Methylcyclohexane	NA	0.00089 U	0.00084 U	0.0010 U	0.00091 U	0.0012 U	0.00092 U	0.00090 U	0.00093 U	0.00094 U	0.0011 U	0.0027	0.00090 U
Methylene Chloride	0.05	0.00089 U	0.00084 U	0.00025 J	0.00037 J	0.0012 U	0.00092 U	0.00090 U	0.00021 J	0.00094 U	0.0011 U	0.0011 U	0.00090 U
MTBE	0.93	0.00089 U	0.00084 U	0.0010 U	0.00091 U	0.0012 U	0.00092 U	0.00090 U	0.00093 U	0.00094 U	0.0011 U	0.0011 U	0.00090 U
o-Xylene	0.26	0.00089 U	0.00084 U	0.0011	0.00091 U	0.0012 U	0.00045 J	0.00029 J	0.00093 U	0.00094 U	0.0011 U	0.00042 J	0.00090 U
Styrene	NA	0.00089 U	0.00084 U	0.0010 U	0.00091 U	0.0012 U	0.00092 U	0.00090 U	0.00093 U	0.00094 U	0.0011 U	0.0011 U	0.00090 U
Tetrachloroethene	1.3	0.0028	0.0035	0.0010 U	0.00091 U	0.0012 U	0.00092 U	0.00090 U	0.00093 U	0.00094 U	0.0011 U	0.0011 U	0.00090 U
Toluene	0.7	0.00089 U	0.00084 U	0.0010 U	0.0012	0.00015 J	0.00092 U	0.00090 U	0.0013	0.0011	0.0012	0.031	0.00026 J
trans-1,2-Dichloroethene	0.19	0.00089 U	0.00084 U	0.0010 U	0.00021 J	0.00031 J	0.00016 J	0.00014 J	0.00020 J	0.00019 J	0.0011 U	0.00037 J	0.00090 U
trans-1,3-Dichloropropene	NA	0.00089 U	0.00084 U	0.0010 U	0.00091 U	0.0012 U	0.00092 U	0.00090 U	0.00093 U	0.00094 U	0.0011 U	0.0011 U	0.00090 U
Trichloroethene	0.47	0.00089 U	0.00084 U	0.0010 U	0.00091 U	0.0012 U	0.00092 U	0.00090 U	0.00093 U	0.00094 U	0.0011 U	0.0011 U	0.00090 U
Trichlorofluoromethane	NA	0.00089 U	0.00084 U	0.0010 U	0.00091 U	0.0012 U	0.00092 U	0.00090 U	0.00093 U	0.00094 U	0.00045 J	0.0011 U	0.00090 U
Vinyl chloride	0.02	0.00089 U	0.00084 U	0.0010 U	0.00091 U	0.0012 U	0.00092 U	0.00090 U	0.00093 U	0.00094 U	0.0011 U	0.0011 U	0.00090 U
Xylenes, Total	0.26	0.0027 U	0.0025 U	0.0010 U	0.00091 U	0.0012 U	0.00092 U	0.00090 U	0.00093 U	0.00094 U	0.0011 U	0.0011 U	0.00090 U
Naphthalene	12	0.00089 U	0.00084 U	0.0031 U	0.0027 U	0.0035 U	0.0028 U	0.0027 U	0.0028 U	0.0028 U	0.0033 U	0.0034 U	0.0027 U

Notes
J : Indicates an estimated value.
J B : The analyte was found in an associated blank, as well as in the sample.
J N : Indicates an estimated value.
U : Analyzed for but not detected.
Total xylenes SCO utilized for all isomers
Highlighted / bolded indicates analyte exceeded above its respective NYSDEC Unrestricted SCO.
NA - Not Available



Table 4-25
Soil TCL SVOC Analytical Data
Former Quonset Hut Area

TCL SVOCs (mg/kg)	NYSDEC Unrestricted SCO	Soil Samples Former Quonset Hut Area							
		SL-25	SL-27		SL-30	SL-31			
		(0.5-1.0')	(0.5-1.0')	(2.5-3.0')	(6.0-6.5')	(0.5-1.0')	(0.5-1.0')	(5.0-5.5')	(7.0-7.5')
1,2,4,5-Tetrachlorobenzene	NA	0.38 U	0.38 U	0.38 U	0.38 U	0.37 U	0.35 U	0.38 U	0.74 U
1,4-Dioxane	0.1	0.38 U	0.38 U	0.38 U	0.38 U	0.37 U	0.35 U	0.38 U	0.74 U
2,2'-oxybis[1-chloropropane]	NA	0.38 U	0.38 U	0.38 U	0.38 U	0.37 U	0.35 U	0.38 U	0.74 U
2,3,4,6-Tetrachlorophenol	NA	0.38 U	0.38 U R	0.38 U R	0.38 U R	0.37 U R	0.35 U R	0.38 U R	0.74 U R
2,4,5-Trichlorophenol	NA	0.38 U	0.38 U	0.38 U	0.38 U	0.37 U	0.35 U	0.38 U	0.74 U
2,4,6-Trichlorophenol	NA	0.38 U	0.38 U	0.38 U	0.38 U	0.37 U	0.35 U	0.38 U	0.74 U
2,4-Dichlorophenol	NA	0.38 U	0.38 U	0.38 U	0.38 U	0.37 U	0.35 U	0.38 U	0.74 U
2,4-Dimethylphenol	NA	0.38 U	0.38 U	0.38 U	0.38 U	0.37 U	0.35 U	0.38 U	0.74 U
2,4-Dinitrophenol	NA	1.2 U	1.2 U	1.2 U	1.1 U	1.1 U	1.1 U	1.1 U	2.2 U
2,4-Dinitrotoluene	NA	0.077 U	0.078 U	0.078 U	0.076 U	0.075 U	0.071 U	0.077 U	0.15 U
2,6-Dinitrotoluene	NA	0.077 U	0.078 U	0.078 U	0.076 U	0.075 U	0.071 U	0.077 U	0.15 U
2-Chloronaphthalene	NA	0.38 U	0.38 U	0.38 U	0.38 U	0.37 U	0.35 U	0.38 U	0.74 U
2-Chlorophenol	NA	0.38 U	0.38 U	0.38 U	0.38 U	0.37 U	0.35 U	0.38 U	0.74 U
2-Methylnaphthalene	NA	0.38 U	0.38 U	0.38 U	0.38 U	0.37 U	0.35 U	0.38 U	0.18 J
2-Methylphenol	0.33	0.38 U	0.38 U	0.38 U	0.38 U	0.37 U	0.35 U	0.38 U	0.74 U
2-Nitroaniline	NA	0.77 U	0.78 U	0.78 U	0.76 U	0.75 U	0.71 U	0.77 U	1.5 U
2-Nitrophenol	NA	0.38 U	0.38 U	0.38 U	0.38 U	0.37 U	0.35 U	0.38 U	0.74 U
3,3'-Dichlorobenzidine	NA	0.77 U	0.78 U	0.78 U	0.76 U	0.75 U	0.71 U	0.77 U	1.5 U
3-Nitroaniline	NA	0.77 U	0.78 U	0.78 U	0.76 U	0.75 U	0.71 U	0.77 U	1.5 U
4,6-Dinitro-2-methylphenol	NA	1.2 U	1.2 U	1.2 U	1.1 U	1.1 U	1.1 U	1.1 U	2.2 U
4-Bromophenyl phenyl ether	NA	0.38 U	0.38 U	0.38 U	0.38 U	0.37 U	0.35 U	0.38 U	0.74 U
4-Chloro-3-methylphenol	NA	0.38 U	0.38 U	0.38 U	0.38 U	0.37 U	0.35 U	0.38 U	0.74 U
4-Chloroaniline	NA	0.38 U	0.38 U	0.38 U	0.38 U	0.37 U	0.35 U	0.38 U	0.74 U
4-Chlorophenyl phenyl ether	NA	0.38 U	0.38 U	0.38 U	0.38 U	0.37 U	0.35 U	0.38 U	0.74 U
4-Methylphenol	0.33	0.38 U	0.38 U	0.38 U	0.38 U	0.37 U	0.35 U	0.38 U	0.74 U
4-Nitroaniline	NA	0.77 U	0.78 U	0.78 U	0.76 U	0.75 U	0.71 U	0.77 U	1.5 U
4-Nitrophenol	NA	1.2 U	1.2 U	1.2 U	1.1 U	1.1 U	1.1 U	1.1 U	2.2 U
Acenaphthene	20	0.38 U	0.077 J	0.38 U	0.38 U	0.37 U	0.35 U	0.38 U	0.42 J
Acenaphthylene	100	0.38 U	0.38 U	0.38 U	0.38 U	0.37 U	0.35 U	0.38 U	0.74 U
Acetophenone	NA	0.38 U	0.38 U	0.38 U	0.38 U	0.37 U	0.35 U	0.38 U	0.74 U
Anthracene	100	0.38 U	0.18 J	0.38 U	0.38 U	0.37 U	0.35 U	0.38 U	1.0
Atrazine	NA	0.38 U	0.38 U	0.38 U	0.38 U	0.37 U	0.35 U	0.38 U	0.74 U
Benzaldehyde	NA	0.38 U	0.38 U	0.38 U	0.38 U	0.37 U	0.35 U	0.38 U	0.74 U
Benzo[a]anthracene	1	0.038 U	0.51	0.038 U	0.038 U	0.027 J	0.062	0.038 U	2.9
Benzo[a]pyrene	1	0.038 U	0.52	0.038 U	0.038 U	0.037 U	0.068	0.038 U	2.5
Benzo[b]fluoranthene	1	0.038 U	0.58	0.038 U	0.038 U	0.037 U	0.074	0.038 U	2.9
Benzo[g,h,i]perylene	100	0.38 U	0.22 J	0.38 U	0.38 U	0.37 U	0.032 J	0.38 U	1.3
Benzo[k]fluoranthene	0.8	0.038 U	0.23	0.038 U	0.038 U	0.037 U	0.027 J	0.038 U	0.96
Bis(2-chloroethoxy)methane	NA	0.38 U	0.38 U	0.38 U	0.38 U	0.37 U	0.35 U	0.38 U	0.74 U
Bis(2-chloroethyl)ether	NA	0.038 U	0.038 U	0.038 U	0.038 U	0.037 U	0.035 U	0.038 U	0.074 U
Bis(2-ethylhexyl) phthalate	NA	0.38 U	0.38 U	0.38 U	0.38 U	0.37 U	0.35 U	0.38 U	0.74 U
Butyl benzyl phthalate	NA	0.38 U	0.38 U	0.38 U	0.38 U	0.37 U	0.35 U	0.38 U	0.74 U
Caprolactam	NA	0.38 U	0.38 U	0.38 U	0.38 U	0.37 U	0.35 U	0.38 U	0.74 U
Carbazole	NA	0.38 U	0.055 J	0.38 U	0.38 U	0.37 U	0.35 U	0.38 U	0.24 J
Chrysene	1	0.38 U	0.54	0.38 U	0.38 U	0.37 U	0.072 J	0.38 U	2.9
Dibenz(a,h)anthracene	0.33	0.038 U	0.063	0.038 U	0.038 U	0.037 U	0.035 U	0.038 U	0.29
Dibenzofuran	7	0.38 U	0.38 U	0.38 U	0.38 U	0.37 U	0.35 U	0.38 U	0.14 J
Diethyl phthalate	NA	0.38 U	0.38 U	0.38 U	0.38 U	0.37 U	0.35 U	0.38 U	0.74 U
Dimethyl phthalate	NA	0.38 U	0.38 U	0.38 U	0.38 U	0.37 U	0.35 U	0.38 U	0.74 U
Di-n-butyl phthalate	NA	0.38 U	0.38 U	0.38 U	0.38 U	0.37 U	0.35 U	0.38 U	0.74 U
Di-n-octyl phthalate	NA	0.38 U	0.38 U	0.38 U	0.38 U	0.37 U	0.35 U	0.38 U	0.74 U
Diphenyl	NA	0.38 U	0.38 U	0.38 U	0.38 U	0.37 U	0.35 U	0.38 U	0.74 U
Fluoranthene	100	0.38 U	1.1	0.38 U	0.38 U	0.37 U	0.12 J	0.38 U	5.9
Fluorene	30	0.38 U	0.068 J	0.38 U	0.38 U	0.37 U	0.35 U	0.38 U	0.43 J
Hexachlorobenzene	0.33	0.038 U	0.038 U	0.038 U	0.038 U	0.037 U	0.035 U	0.038 U	0.074 U
Hexachlorobutadiene	NA	0.077 U	0.078 U	0.078 U	0.076 U	0.075 U	0.071 U	0.077 U	0.15 U
Hexachlorocyclopentadiene	NA	0.38 U	0.38 U	0.38 U	0.38 U	0.37 U	0.35 U	0.38 U	0.74 U
Hexachloroethane	NA	0.038 U	0.038 U	0.038 U	0.038 U	0.037 U	0.035 U	0.038 U	0.074 U
Indeno[1,2,3-cd]pyrene	0.5	0.038 U	0.23	0.038 U	0.038 U	0.037 U	0.057	0.038 U	1.3
Isophorone	NA	0.38 U	0.38 U	0.38 U	0.38 U	0.37 U	0.35 U	0.38 U	0.74 U
Naphthalene	12	0.38 U	0.38 U	0.38 U	0.38 U	0.37 U	0.35 U	0.38 U	0.18 J
Nitrobenzene	NA	0.038 U	0.038 U	0.038 U	0.038 U	0.037 U	0.035 U	0.038 U	0.074 U
N-Nitrosodi-n-propylamine	NA	0.038 U	0.038 U	0.038 U	0.038 U	0.037 U	0.035 U	0.038 U	0.074 U
N-Nitrosodiphenylamine	NA	0.38 U	0.38 U	0.38 U	0.38 U	0.37 U	0.35 U	0.38 U	0.74 U
Pentachlorophenol	0.8	1.2 U	1.2 U	1.2 U	1.1 U	1.1 U	1.1 U	1.1 U	2.2 U
Phenanthrene	100	0.38 U	0.90	0.38 U	0.38 U	0.37 U	0.098 J	0.38 U	6.1
Phenol	0.33	0.38 U	0.38 U	0.38 U	0.38 U	0.37 U	0.35 U	0.38 U	0.74 U
Pyrene	100	0.38 U	1.1	0.38 U	0.38 U	0.060 J	0.14 J	0.38 U	7.0
Pyridine	NA	0.38 U	0.38 U	0.38 U	0.38 U	0.37 U	0.35 U	0.38 U	0.74 U

Notes

ND: TIC not detected

J : Indicates an estimated value.

J N : This flag indicates the presumptive evidence of a compound.

U : Analyzed for but not detected.

U R : Indicates that value is rejected based upon DUSR review by third party data validator.

Highlighted / bolded indicates analyte exceeded above its respective NYSDEC Unrestricted SCO.

NA - Not Available

Table 4-26
TAL Metals Soil Analytical Data
Former Quonset Hut Area

TAL Metals (mg/kg)	NYSDEC Unrestricted SCO	Soil Samples Former Quonset Hut Area											
		SL-25	SL-26	SL-27			SL-28	SL-29	SL-30	SL-31			SL-32
		(0.5-1.0')	(0.5-1.0')	(0.5-1.0')	(2.5-3.0')	(6.0-6.5')	(0.5-1.0')	(0.5-1.0')	(0.5-1.0')	(0.5-1.0')	(5.0-5.5')	(7.0-7.5')	(0.5-1.0')
Aluminum	NA	13,300	8,750	10,300	11,900	11,800	10,800	11,400	9,790	5,500	16,900	8,350	9,550
Antimony	NA	2.0 U	1.8 U	1.6 J	2.2 U	2.0 U	2.2 U	2.0 U	2.1 U	1.8 U	2.2 U	2.0 U	2.1 U
Arsenic	13	4.2	2.7	6.4	4.4	5.8	6.2	5.5	4.0	3.3	6.7	5.0	4.2
Barium	350	105	65.9	85.2	40.4 J	49.9	74.5	56.3	58.1	34.5 J	58.2	68.4	49.6
Beryllium	7.2	0.57	0.41	0.49	0.46	0.59	0.52	0.43	0.37 J	0.19 J	0.60	0.46	0.33 J
Cadmium	2.5	0.98 U	0.92 U	1.1 U	1.1 U	1.0 U	1.1 U	1.0 U	1.1 U	0.90 U	1.1 U	0.98 U	1.1 U
Calcium	NA	1,100	652 J	1,830	556 J	637 J	2,260	1,030	909 J	1,310	2,220	7,020	1,200
Chromium ¹	30	17.8	12.4	17.0	18.2	22.6	18.0	21.5	14.9	12.7	28.5	15.4	18.5
Cobalt	NA	6.2 J	4.4 J	6.2 J	7.2 J	9.2 J	6.2 J	7.5 J	10.0 J	4.4 J	7.0 J	5.6 J	6.6 J
Copper	50	9.3	8.0	14.9	8.6	10.9	34.8	13.5	8.4	12.3	12.6	12.8	9.9
Iron	NA	16,600	11,900	18,200	20,400	23,300	22,100	24,800	17,300	11,000	31,900	15,700	20,100
Lead	63	14.6	31.0	74.2	7.5	7.2	55.2	32.6	16.0	14.3	12.4	56.3	13.3
Magnesium	NA	2,310	1,540	2,020	2,100	2,370	1,990	2,670	1,760	1,850	3,110	1,820	2,510
Manganese	1,600	353	259	506	304	444	319	437	499	316	330	358	564
Nickel	30	17.1	9.2	11.2	10.0	11.7	10.8	12.8	8.9	10.3	12.6	9.0	10.9
Potassium	NA	678 J	513 J	758 J	866 J	1,180	899 J	1,240	692 J	788 J	596 J	720 J	1,050
Selenium	3.9	2.0 U	1.8 U	2.1 U	2.2 U	2.0 U	2.2 U	2.0 U	2.1 U	1.8 U	2.2 U	2.0 U	2.1 U
Silver	2	2.0 U	1.8 U	2.1 U	2.2 U	2.0 U	2.2 U	2.0 U	2.1 U	1.8 U	2.2 U	2.0 U	2.1 U
Sodium	NA	980 U	921 U	278 J	227 J	301 J	1,100 U	293 J	1,070 U	898 U	1,100 U	254 J	1,050 U
Thallium	NA	2.0 U	1.8 U	2.1 U	2.2 U	2.0 U	2.2 U	2.0 U	2.1 U	1.8 U	2.2 U	2.0 U	2.1 U
Vanadium	NA	24.9	16.2	22.0	26.5	26.3	23.9	27.6	21.6	13.1	38.8	19.3	22.6
Zinc	109	46.3	38.2	96.1	94.7	70.3	71.6	47.0	34.4	25.7	35.9	61.9	34.4
Mercury	0.18	0.079	0.069	0.28	0.022	0.062	0.46	0.054	0.042	0.032	0.041	0.16	0.051

Notes
J : Sample result is greater than the MDL but below the CRDL
U : Indicates analyzed for but not detected.
¹ Trivalent chromium SCOs utilized.
Highlighted / bolded indicates analyte exceeded above its respective NYSDEC Unrestricted SCO.
NA - Not Available



Table 4-27
TCL VOCs Soil Analytical Data
Former R & D Building Area

TCL VOCs (mg/kg)	NYSDEC Unrestricted SCO	Soil Samples Former R&D Building Area																	
		RD-1	RD-2	RD-3		RD-4	RD-5	RD-6		RD-7		RD-8	RD-9	RD-10					
		(0.5-1.0')	(0.5-1.0')	(0.5-1.0')	(2.5-3.0')	(6.0-6.5')	(0.5-1.0')	(0.5-1.0')	(0.5-1.0')	(3.0-3.5')	(7.0-7.5')	(0.5-1.0')	(2.0-2.5')	(6.5-7.0')	(0.5-1.0')	(0.5-1.0')	(0.5-1.0')	(5.0-5.5')	(6.0-6.5')
1,1,1-Trichloroethane	0.68	0.00058 U	0.00064 U	0.00097 U	0.00083 U	0.00098 U	0.00084 U	0.0011 U	0.00091 U	0.0010 U	0.00094 U	0.0012 U	0.00086 U	0.00084 U	0.0011 U	0.00098 U	0.00093 U	0.0011 U	0.00085 U
1,1,2,2-Tetrachloroethane	NA	0.00058 U	0.00064 U	0.00097 U	0.00083 U	0.00098 U	0.00084 U	0.0011 U	0.00091 U	0.0010 U	0.00094 U	0.0012 U	0.00086 U	0.00084 U	0.0011 U	0.00098 U	0.00093 U	0.0011 U	0.00085 U
1,1,2-Trichloroethane	NA	0.00058 U	0.00064 U	0.00097 U	0.00083 U	0.00098 U	0.00084 U	0.0011 U	0.00091 U	0.0010 U	0.00094 U	0.0012 U	0.00086 U	0.00084 U	0.0011 U	0.00098 U	0.00093 U	0.0011 U	0.00085 U
1,1-Dichloroethane	0.27	0.00058 U	0.00064 U	0.00097 U	0.00083 U	0.00098 U	0.00084 U	0.0011 U	0.00091 U	0.0010 U	0.00094 U	0.0012 U	0.00086 U	0.00084 U	0.0011 U	0.00098 U	0.00093 U	0.0011 U	0.00085 U
1,1-Dichloroethene	0.33	0.00058 U	0.00064 U	0.00097 U	0.00083 U	0.00098 U	0.00084 U	0.0011 U	0.00091 U	0.0010 U	0.00094 U	0.0012 U	0.00086 U	0.00084 U	0.0011 U	0.00098 U	0.00093 U	0.0011 U	0.00085 U
1,2,3-Trichlorobenzene	NA	0.00058 U	0.00064 U	0.00097 U	0.00083 U	0.00098 U	0.00084 U	0.0011 U	0.00091 U	0.0010 U	0.00094 U	0.0012 U	0.00086 U	0.00084 U	0.0011 U	0.00098 U	0.00093 U	0.0011 U	0.00085 U
1,2,4-Trichlorobenzene	NA	0.00058 U	0.00064 U	0.00097 U	0.00083 U	0.00098 U	0.00084 U	0.0011 U	0.00091 U	0.0010 U	0.00094 U	0.0012 U	0.00086 U	0.00084 U	0.0011 U	0.00098 U	0.00093 U	0.0011 U	0.00085 U
1,2-Dibromo-3-Chloropropane	NA	0.00058 U	0.00064 U	0.00097 U	0.00083 U	0.00098 U	0.00084 U	0.0011 U	0.00091 U	0.0010 U	0.00094 U	0.0012 U	0.00086 U	0.00084 U	0.0011 U	0.00098 U	0.00093 U	0.0011 U	0.00085 U
1,2-Dibromoethane	NA	0.00058 U	0.00064 U	0.00097 U	0.00083 U	0.00098 U	0.00084 U	0.0011 U	0.00091 U	0.0010 U	0.00094 U	0.0012 U	0.00086 U	0.00084 U	0.0011 U	0.00098 U	0.00093 U	0.0011 U	0.00085 U
1,2-Dichlorobenzene	1.1	0.00058 U	0.00064 U	0.00097 U	0.00083 U	0.00098 U	0.00084 U	0.0011 U	0.00091 U	0.0010 U	0.00094 U	0.0012 U	0.00086 U	0.00084 U	0.0011 U	0.00098 U	0.00093 U	0.0011 U	0.00085 U
1,2-Dichloroethane	0.02	0.00058 U	0.00064 U	0.00097 U	0.00083 U	0.00098 U	0.00084 U	0.0011 U	0.00091 U	0.0010 U	0.00094 U	0.0012 U	0.00086 U	0.00084 U	0.0011 U	0.00098 U	0.00093 U	0.0011 U	0.00085 U
1,2-Dichloropropane	NA	0.00058 U	0.00064 U	0.00097 U	0.00083 U	0.00098 U	0.00084 U	0.0011 U	0.00091 U	0.0010 U	0.00094 U	0.0012 U	0.00086 U	0.00084 U	0.0011 U	0.00098 U	0.00093 U	0.0011 U	0.00085 U
1,3-Dichlorobenzene	2.4	0.00058 U	0.00064 U	0.00097 U	0.00083 U	0.00098 U	0.00084 U	0.0011 U	0.00091 U	0.0010 U	0.00094 U	0.0012 U	0.00086 U	0.00084 U	0.0011 U	0.00098 U	0.00093 U	0.0011 U	0.00085 U
1,4-Dichlorobenzene	1.8	0.00058 U	0.00064 U	0.00097 U	0.00083 U	0.00098 U	0.00084 U	0.0011 U	0.00091 U	0.0010 U	0.00094 U	0.00016 J	0.00086 U	0.00084 U	0.0011 U	0.00098 U	0.00093 U	0.0011 U	0.00085 U
1,4-Dioxane	0.1	0.029 U	0.032 U	0.048 U	0.041 U	0.049 U	0.042 U	0.056 U	0.045 U	0.050 U	0.047 U	0.061 U	0.043 U	0.042 U	0.056 U	0.049 U	0.046 U	0.055 U	0.042 U
2-Butanone (MEK)	0.12	0.0058 U	0.0064 U	0.0097 U	0.0083 U	0.0098 U	0.0084 U	0.011 U	0.0091 U	0.010 U	0.0030 J	0.012 U	0.0086 U	0.0084 U	0.011 U	0.0098 U	0.0093 U	0.011 U	0.0085 U
2-Hexanone	NA	0.0058 U	0.0064 U	0.0097 U	0.0083 U	0.0098 U	0.0084 U	0.011 U	0.0091 U	0.010 U	0.0094 U	0.012 U	0.0086 U	0.0084 U	0.011 U	0.0098 U	0.0093 U	0.011 U	0.0085 U
4-Methyl-2-pentanone	NA	0.0058 U	0.0064 U	0.0097 U	0.0083 U	0.0098 U	0.0084 U	0.011 U	0.0091 U	0.010 U	0.013	0.012 U	0.0086 U	0.0084 U	0.011 U	0.0098 U	0.0093 U	0.011 U	0.0085 U
Acetone	0.05	0.0058 U	0.0064 U	0.0043 J B	0.0083 U	0.0098 U	0.0084 U	0.011 U	0.0091 U	0.010 U	0.039 B	0.0035 J B	0.047 B	0.019 B	0.011 U	0.0050 J B	0.0093 U	0.011 U	0.0085 U
Benzene	0.06	0.00058 U	0.00064 U	0.00097 U	0.00083 U	0.00098 U	0.00084 U	0.0011 U	0.00091 U	0.0010 U	0.00094 U	0.0012 U	0.00086 U	0.00084 U	0.0011 U	0.00098 U	0.00093 U	0.0011 U	0.00085 U
Bromochloromethane	NA	0.00058 U	0.00064 U	0.00097 U	0.00083 U	0.00098 U	0.00084 U	0.0011 U	0.00091 U	0.0010 U	0.00094 U	0.0012 U	0.00086 U	0.00084 U	0.0011 U	0.00098 U	0.00093 U	0.0011 U	0.00085 U
Bromodichloromethane	NA	0.00058 U	0.00064 U	0.00097 U	0.00083 U	0.00098 U	0.00084 U	0.0011 U	0.00091 U	0.0010 U	0.00094 U	0.0012 U	0.00086 U	0.00084 U	0.0011 U	0.00098 U	0.00093 U	0.0011 U	0.00085 U
Bromoform	NA	0.00058 U	0.00064 U	0.00097 U	0.00083 U	0.00098 U	0.00084 U	0.0011 U	0.00091 U	0.0010 U	0.00094 U	0.0012 U	0.00086 U	0.00084 U	0.0011 U	0.00098 U	0.00093 U	0.0011 U	0.00085 U
Bromomethane	NA	0.00058 U	0.00064 U	0.00097 U	0.00083 U	0.00098 U	0.00084 U	0.0011 U	0.00091 U	0.0010 U	0.00094 U	0.0012 U	0.00086 U	0.00084 U	0.0011 U	0.00098 U	0.00093 U	0.0011 U	0.00085 U
Carbon disulfide	NA	0.00058 U	0.00064 U	0.00020 J	0.00083 U	0.00098 U	0.00084 U	0.0011 U	0.00091 U	0.0010 U	0.0036	0.0012 U	0.00073 J	0.00086	0.0011 U	0.00098 U	0.00093 U	0.0011 U	0.00085 U
Carbon tetrachloride	0.76	0.00058 U	0.00064 U	0.00097 U	0.00083 U	0.00098 U	0.00084 U	0.0011 U	0.00091 U	0.0010 U	0.00094 U	0.0012 U	0.00086 U	0.00084 U	0.0011 U	0.00098 U	0.00093 U	0.0011 U	0.00085 U
Chlorobenzene	1.1	0.00058 U	0.00064 U	0.00097 U	0.00083 U	0.00098 U	0.00084 U	0.0011 U	0.00091 U	0.0010 U	0.00094 U	0.0012 U	0.00086 U	0.00084 U	0.0011 U	0.00098 U	0.00093 U	0.0011 U	0.00085 U
Chloroethane	NA	0.00058 U	0.00064 U	0.00097 U	0.00083 U	0.00098 U	0.00084 U	0.0011 U	0.00091 U	0.0010 U	0.00094 U	0.0012 U	0.00086 U	0.00084 U	0.0011 U	0.00098 U	0.00093 U	0.0011 U	0.00085 U
Chloroform	0.37	0.00058 U	0.00064 U	0.00097 U	0.00083 U	0.00098 U	0.00084 U	0.0011 U	0.00091 U	0.0010 U	0.00094 U	0.0012 U	0.00086 U	0.00084 U	0.0011 U	0.00098 U	0.00093 U	0.0011 U	0.00085 U
Chloromethane	NA	0.00058 U	0.00064 U	0.00097 U	0.00083 U	0.00098 U	0.00084 U	0.0011 U	0.00091 U	0.0010 U	0.00094 U	0.0012 U	0.00086 U	0.00084 U	0.0011 U	0.00098 U	0.00093 U	0.0011 U	0.00085 U
cis-1,2-Dichloroethene	0.25	0.00058 U	0.00064 U	0.00097 U	0.00083 U	0.00098 U	0.00084 U	0.0011 U	0.00091 U	0.0010 U	0.00094 U	0.0012 U	0.00086 U	0.00084 U	0.0011 U	0.00098 U	0.00093 U	0.0011 U	0.00085 U
cis-1,3-Dichloropropene	NA	0.00058 U	0.00064 U	0.00097 U	0.00083 U	0.00098 U	0.00084 U	0.0011 U	0.00091 U	0.0010 U	0.00094 U	0.0012 U	0.00086 U	0.00084 U	0.0011 U	0.00098 U	0.00093 U	0.0011 U	0.00085 U
Cyclohexane	NA	0.00058 U	0.00064 U	0.00097 U	0.00083 U	0.00098 U	0.00084 U	0.0011 U	0.00091 U	0.0010 U	0.00094 U	0.0012 U	0.00086 U	0.00084 U	0.0011 U	0.00098 U	0.00093 U	0.0011 U	0.00085 U
Dibromochloromethane	NA	0.00058 U	0.00064 U	0.00097 U	0.00083 U	0.00098 U	0.00084 U	0.0011 U	0.00091 U	0.0010 U	0.00094 U	0.0012 U	0.00086 U	0.00084 U	0.0011 U	0.00098 U	0.00093 U	0.0011 U	0.00085 U
Dichlorodifluoromethane	NA	0.00058 U	0.00064 U	0.00097 U	0.00083 U	0.00098 U	0.00084 U	0.0011 U	0.00091 U	0.0010 U	0.00094 U	0.0012 U	0.00086 U	0.00084 U	0.0011 U	0.00098 U	0.00093 U	0.0011 U	0.00085 U
Ethylbenzene	1	0.00058 U	0.00064 U	0.00097 U	0.00083 U	0.00098 U	0.0013	0.0011 U	0.00091 U	0.0010 U	0.0080	0.0012 U	0.00086 U	0.00084 U	0.0011 U	0.00098 U	0.00093 U	0.0011 U	0.00085 U
Freon 113	NA																		

Table 4-27
TCL VOCs Soil Analytical Data
Former R & D Building Area

TCL VOCs (mg/kg)	NYSDEC Unrestricted SCO	Soil Samples Former R&D Building Area																
		RD-11		RD-12	RD-13	RD-14	RD-15	RD-16		RD-17	RD-18	RD-19	RD-20		Bldg2- RCRA3-SB-4			
		(0.5-1.0')	(3.5-4.0')	(0.5-1.0')	(0.5-1.0')	(0.5-1.0')	(2.5-3.0')	(0.5-1.0')	(3.5-4.0')	(6.5-7.0')	(0.5-1.0')	(0.5-1.0')	(0.5-1.0')	(0.5-1.0')	(3.5-4.0')	(6.5-7.0')	(4.0-4.5')	(6.0-6.5')
1,1,1-Trichloroethane	0.68	0.00096 U	0.00087 U	0.00086 U	0.00092 U	0.00086 U	0.00093 U	0.00089 U	0.0010 U	0.00099 U	0.00091 U	0.00086 U	0.00099 U	0.0012 U	0.00085 U	0.00090 U	0.00092 U	0.00082 U
1,1,2,2-Tetrachloroethane	NA	0.00096 U	0.00087 U	0.00086 U	0.00092 U	0.00086 U	0.00093 U	0.00089 U	0.0010 U	0.00099 U	0.00091 U	0.00086 U	0.00099 U	0.0012 U	0.00085 U	0.00090 U	0.00092 U	0.00082 U
1,1,2-Trichloroethane	NA	0.00096 U	0.00087 U	0.00086 U	0.00092 U	0.0016	0.00093 U	0.00089 U	0.0010 U	0.00099 U	0.00091 U	0.00086 U	0.00099 U	0.0071	0.0017	0.0015	0.00092 U	0.00082 U
1,1-Dichloroethane	0.27	0.00096 U	0.00087 U	0.00086 U	0.00092 U	0.00086 U	0.00093 U	0.00089 U	0.0010 U	0.00099 U	0.00091 U	0.00086 U	0.00099 U	0.0012 U	0.00085 U	0.00090 U	0.00092 U	0.00082 U
1,1-Dichloroethene	0.33	0.00096 U	0.00087 U	0.00086 U	0.00092 U	0.00086 U	0.00093 U	0.00089 U	0.0010 U	0.00099 U	0.00091 U	0.00086 U	0.00099 U	0.00066 J	0.00085 U	0.00090 U	0.00092 U	0.00082 U
1,2,3-Trichlorobenzene	NA	0.00096 U	0.00087 U	0.00086 U	0.00092 U	0.00086 U	0.00093 U	0.00089 U	0.0010 U	0.00099 U	0.00091 U	0.00086 U	0.00099 U	0.0012 U	0.00085 U	0.00090 U	0.00092 U	0.00082 U
1,2,4-Trichlorobenzene	NA	0.00096 U	0.00087 U	0.00086 U	0.00092 U	0.00086 U	0.00093 U	0.00089 U	0.0010 U	0.00099 U	0.00091 U	0.00086 U	0.00099 U	0.0012 U	0.00085 U	0.00090 U	0.00092 U	0.00082 U
1,2-Dibromo-3-Chloropropane	NA	0.00096 U	0.00087 U	0.00086 U	0.00092 U	0.00086 U	0.00093 U	0.00089 U	0.0010 U	0.00099 U	0.00091 U	0.00086 U	0.00099 U	0.0012 U	0.00085 U	0.00090 U	0.00092 U	0.00082 U
1,2-Dibromoethane	NA	0.00096 U	0.00087 U	0.00086 U	0.00092 U	0.00086 U	0.00093 U	0.00089 U	0.0010 U	0.00099 U	0.00091 U	0.00086 U	0.00099 U	0.0012 U	0.00085 U	0.00090 U	0.00092 U	0.00082 U
1,2-Dichlorobenzene	1.1	0.00096 U	0.00087 U	0.00086 U	0.00092 U	0.00086 U	0.00093 U	0.00089 U	0.0010 U	0.00099 U	0.00091 U	0.00086 U	0.00099 U	0.0012 U	0.00085 U	0.00090 U	0.00092 U	0.00082 U
1,2-Dichloroethane	0.02	0.00096 U	0.00087 U	0.00086 U	0.00022 J	0.00020 J	0.00093 U	0.00089 U	0.0010 U	0.00099 U	0.00091 U	0.00086 U	0.00099 U	0.019	0.00085 U	0.00090 U	0.00092 U	0.00082 U
1,2-Dichloropropane	NA	0.00096 U	0.00087 U	0.00086 U	0.00092 U	0.00086 U	0.00093 U	0.00089 U	0.0010 U	0.00099 U	0.00091 U	0.00086 U	0.00099 U	0.0012 U	0.00085 U	0.00090 U	0.00092 U	0.00082 U
1,3-Dichlorobenzene	2.4	0.00096 U	0.00087 U	0.00086 U	0.00092 U	0.00086 U	0.00093 U	0.00089 U	0.0010 U	0.00099 U	0.00091 U	0.00086 U	0.00099 U	0.0012 U	0.00085 U	0.00090 U	0.00092 U	0.00082 U
1,4-Dichlorobenzene	1.8	0.00096 U	0.00087 U	0.00086 U	0.00092 U	0.00086 U	0.00093 U	0.00089 U	0.0010 U	0.00099 U	0.00091 U	0.00086 U	0.00099 U	0.0012 U	0.00085 U	0.00090 U	0.00092 U	0.00082 U
1,4-Dioxane	0.1	0.048 U	0.044 U	0.043 U	0.046 U	0.043 U	0.047 U	0.044 U	0.050 U	0.050 U	0.046 U	0.043 U	0.049 U	0.058 U	0.043 U	0.045 U	0.046 U	0.041 U
2-Butanone (MEK)	0.12	0.0039 J	0.0087 U	0.0054 J	0.0092 U	0.0086 U	0.0093 U	0.0089 U	0.010 U	0.0099 U	0.0091 U	0.0086 U	0.0099 U	0.012 U	0.0085 U	0.0090 U	0.029	0.0082 U
2-Hexanone	NA	0.0096 U	0.0087 U	0.0086 U	0.0092 U	0.0086 U	0.0093 U	0.0089 U	0.010 U	0.0099 U	0.0091 U	0.0086 U	0.0099 U	0.012 U	0.0085 U	0.0090 U	0.0092 U	0.0082 U
4-Methyl-2-pentanone	NA	0.0096 U	0.0087 U	0.0086 U	0.0092 U	0.0086 U	0.0093 U	0.0089 U	0.010 U	0.0099 U	0.0091 U	0.0086 U	0.0099 U	0.012 U	0.0085 U	0.0090 U	0.0092 U	0.0082 U
Acetone	0.05	0.033	0.0087 U	0.041	0.0084 J	0.0086 U	0.0093 U	0.0089 U	0.0039 J B	0.0017 J B	0.0036 J B	0.0025 J B	0.0030 J B	0.0034 J B	0.0085 U	0.0033 J B	0.015	0.0082 U
Benzene	0.06	0.00096 U	0.00087 U	0.00086 U	0.00092 U	0.00086 U	0.00093 U	0.00089 U	0.0010 U	0.00099 U	0.00091 U	0.00086 U	0.00099 U	0.0012 U	0.00085 U	0.00090 U	0.00092 U	0.00082 U
Bromochloromethane	NA	0.00096 U	0.00087 U	0.00086 U	0.00092 U	0.00086 U	0.00093 U	0.00089 U	0.0010 U	0.00099 U	0.00091 U	0.00086 U	0.00099 U	0.0012 U	0.00085 U	0.00090 U	0.00092 U	0.00082 U
Bromodichloromethane	NA	0.00096 U	0.00087 U	0.00086 U	0.00092 U	0.00086 U	0.00093 U	0.00089 U	0.0010 U	0.00099 U	0.00091 U	0.00086 U	0.00099 U	0.0012 U	0.00085 U	0.00090 U	0.00092 U	0.00082 U
Bromoform	NA	0.00096 U	0.00087 U	0.00086 U	0.00092 U	0.00086 U	0.00093 U	0.00089 U	0.0010 U	0.00099 U	0.00091 U	0.00086 U	0.00099 U	0.0012 U	0.00085 U	0.00090 U	0.00092 U	0.00082 U
Bromomethane	NA	0.00096 U	0.00087 U	0.00086 U	0.00092 U	0.00086 U	0.00093 U	0.00089 U	0.0010 U	0.00099 U	0.00091 U	0.00086 U	0.00099 U	0.0012 U	0.00085 U	0.00090 U	0.00092 U	0.00082 U
Carbon disulfide	NA	0.00088 J	0.00087 U	0.0016	0.0069	0.00086 U	0.00093 U	0.00089 U	0.0010 U	0.00099 U	0.00091 U	0.00086 U	0.00099 U	0.0012 U	0.00085 U	0.00090 U	0.00029 J	0.00026 J
Carbon tetrachloride	0.76	0.00096 U	0.00087 U	0.00086 U	0.00092 U	0.00086 U	0.00093 U	0.00089 U	0.0010 U	0.00099 U	0.00091 U	0.00086 U	0.00099 U	0.0012 U	0.00085 U	0.00090 U	0.00092 U	0.00082 U
Chlorobenzene	1.1	0.00096 U	0.00087 U	0.00086 U	0.00092 U	0.00086 U	0.00093 U	0.00089 U	0.0010 U	0.00099 U	0.00091 U	0.00086 U	0.00099 U	0.0012 U	0.00085 U	0.00090 U	0.00092 U	0.00082 U
Chloroethane	NA	0.00096 U	0.00087 U	0.00086 U	0.00092 U	0.00086 U	0.00093 U	0.00089 U	0.0010 U	0.00099 U	0.00091 U	0.00086 U	0.00099 U	0.0012 U	0.00085 U	0.00090 U	0.00092 U	0.00082 U
Chloroform	0.37	0.00096 U	0.00087 U	0.00086 U	0.00092 U	0.00086 U	0.00093 U	0.00089 U	0.0010 U	0.00099 U	0.00091 U	0.00086 U	0.00099 U	0.0012 U	0.00085 U	0.00090 U	0.00092 U	0.00082 U
Chloromethane	NA	0.00096 U	0.00087 U	0.00086 U	0.00092 U	0.00086 U	0.00093 U	0.00089 U	0.0010 U	0.00099 U	0.00091 U	0.00086 U	0.00099 U	0.0012 U	0.00085 U	0.00090 U	0.00092 U	0.00082 U
cis-1,2-Dichloroethene	0.25	0.00096 U	0.00087 U	0.00086 U	0.00019 J	0.00086 U	0.00093 U	0.00089 U	0.0010 U	0.00099 U	0.00091 U	0.00086 U	0.00021 J	0.00099 J	0.00085 U	0.00090 U	0.00092 U	0.00082 U
cis-1,3-Dichloropropene	NA	0.00096 U	0.00087 U	0.00086 U	0.00092 U	0.00086 U	0.00093 U	0.00089 U	0.0010 U	0.00099 U	0.00091 U	0.00086 U	0.00099 U	0.0012 U	0.00085 U	0.00090 U	0.00092 U	0.00082 U
Cyclohexane	NA	0.00096 U	0.00087 U	0.00086 U	0.00092 U	0.00086 U	0.00093 U	0.00089 U	0.0010 U	0.00099 U	0.00091 U	0.00086 U	0.00099 U	0.0012 U	0.00085 U	0.00090 U	0.00092 U	0.00082 U
Dibromochloromethane	NA	0.00096 U	0.00087 U	0.00086 U	0.00092 U	0.00086 U	0.00093 U	0.00089 U	0.0010 U	0.00099 U	0.00091 U	0.00086 U	0.00099 U	0.0012 U	0.00085 U	0.00090 U	0.00092 U	0.00082 U
Dichlorodifluoromethane	NA	0.00096 U	0.00087 U	0.00086 U	0.00092 U	0.00086 U	0.00093 U	0.00089 U	0.0010 U	0.00099 U	0.00091 U	0.00086 U	0.00099 U	0.0012 U	0.00085 U	0.00090 U	0.00092 U	0.00082 U
Ethylbenzene	1	0.00096 U	0.00087 U	0.00086 U	0.00092 U	0.00086 U	0.00093 U	0.00089 U	0.0010 U	0.00099 U	0.00091 U	0.00086 U	0.00099 U	0.0012 U	0.00085 U	0.00090 U	0.00092 U	0.00082 U
Freon 113	NA	0.00096 U	0.00087 U	0.00086 U	0.00092 U	0.00086 U	0.00093 U	0.00089 U	0.0010 U	0.00099 U	0.00091 U	0.00086 U	0.00099 U	0.0012 U	0.00085 U	0.00090 U	0.00092 U	0.00082 U
Isopropylbenzene	NA	0.00096 U	0.00087 U	0.00086 U	0.00092 U	0.00086 U	0.00093											

Table 4-28
Soil TCL SVOC Analytical Data
Former R & D Building Areas

TCL SVOCs (mg/kg)	NYSDEC Unrestricted SCO	Soil Samples Former R&D Building Areas								
		RD-2	RD-6			RD-10			RD-14	RD-19
		(0.5-1.0')	(0.5-1.0')	(3.0-3.5')	(7.0-7.5')	(0.5-1.0')	(5.0-5.5')	(6.0-6.5')	(0.5-1.0')	(0.5-1.0')
1,2,4,5-Tetrachlorobenzene	NA	0.34 U	0.38 U R	0.38 U R	0.38 U R	0.39 U	0.39 U	0.38 U	0.38 U	0.37 U R
1,4-Dioxane	0.1	0.34 U	0.38 U	0.38 U	0.38 U	0.39 U	0.39 U	0.38 U	0.38 U	0.37 U
2,2'-oxybis[1-chloropropane]	NA	0.34 U	0.38 U	0.38 U	0.38 U	0.39 U	0.39 U	0.38 U	0.38 U	0.37 U
2,3,4,6-Tetrachlorophenol	NA	0.34 U	0.38 U	0.38 U	0.38 U	0.39 U	0.39 U	0.38 U	0.38 U	0.37 U
2,4,5-Trichlorophenol	NA	0.34 U	0.38 U	0.38 U	0.38 U	0.39 U	0.39 U	0.38 U	0.38 U	0.37 U
2,4,6-Trichlorophenol	NA	0.34 U	0.38 U	0.38 U	0.38 U	0.39 U	0.39 U	0.38 U	0.38 U	0.37 U
2,4-Dichlorophenol	NA	0.34 U	0.38 U	0.38 U	0.38 U	0.39 U	0.39 U	0.38 U	0.38 U	0.37 U
2,4-Dimethylphenol	NA	0.34 U	0.38 U	0.38 U	0.38 U	0.39 U	0.39 U	0.38 U	0.38 U	0.37 U
2,4-Dinitrophenol	NA	1.0 U	1.2 U	1.1 U	1.2 U	1.2 U	1.2 U	1.2 U	1.1 U	1.1 U
2,4-Dinitrotoluene	NA	0.070 U	0.077 U	0.076 U	0.078 U	0.078 U	0.079 U	0.077 U	0.076 U	0.075 U
2,6-Dinitrotoluene	NA	0.070 U	0.077 U	0.076 U	0.078 U	0.078 U	0.079 U	0.077 U	0.076 U	0.075 U
2-Chloronaphthalene	NA	0.34 U	0.38 U	0.38 U	0.38 U	0.39 U	0.39 U	0.38 U	0.38 U	0.37 U
2-Chlorophenol	NA	0.34 U	0.38 U	0.38 U	0.38 U	0.39 U	0.39 U	0.38 U	0.38 U	0.37 U
2-Methylnaphthalene	NA	0.34 U	0.12 J	0.38 U	0.38 U	0.39 U	0.39 U	0.38 U	0.10 J	0.21 J
2-Methylphenol	0.33	0.34 U	0.38 U	0.38 U	0.38 U	0.39 U	0.39 U	0.38 U	0.38 U	0.37 U
2-Nitroaniline	NA	0.70 U	0.77 U	0.76 U	0.78 U	0.78 U	0.79 U	0.77 U	0.76 U	0.75 U
2-Nitrophenol	NA	0.34 U	0.38 U	0.38 U	0.38 U	0.39 U	0.39 U	0.38 U	0.38 U	0.37 U
3,3'-Dichlorobenzidine	NA	0.70 U	0.77 U	0.76 U	0.78 U	0.78 U	0.79 U	0.77 U	0.76 U	0.75 U
3-Nitroaniline	NA	0.70 U	0.77 U	0.76 U	0.78 U	0.78 U	0.79 U	0.77 U	0.76 U	0.75 U
4,6-Dinitro-2-methylphenol	NA	1.0 U	1.2 U	1.1 U	1.2 U	1.2 U	1.2 U	1.2 U	1.1 U	1.1 U
4-Bromophenyl phenyl ether	NA	0.34 U	0.38 U	0.38 U	0.38 U	0.39 U	0.39 U	0.38 U	0.38 U	0.37 U
4-Chloro-3-methylphenol	NA	0.34 U	0.38 U	0.38 U	0.38 U	0.39 U	0.39 U	0.38 U	0.38 U	0.37 U
4-Chloroaniline	NA	0.34 U	0.38 U	0.38 U	0.38 U	0.39 U	0.39 U	0.38 U	0.38 U	0.37 U
4-Chlorophenyl phenyl ether	NA	0.34 U	0.38 U	0.38 U	0.38 U	0.39 U	0.39 U	0.38 U	0.38 U	0.37 U
4-Methylphenol	0.33	0.34 U	0.38 U	0.38 U	0.38 U	0.39 U	0.39 U	0.38 U	0.38 U	0.37 U
4-Nitroaniline	NA	0.70 U	0.77 U	0.76 U	0.78 U	0.78 U	0.79 U	0.77 U	0.76 U	0.75 U
4-Nitrophenol	NA	1.0 U	1.2 U	1.1 U	1.2 U	1.2 U	1.2 U	1.2 U	1.1 U	1.1 U
Acenaphthene	20	0.34 U	0.14 J	0.38 U	0.38 U	0.39 U	0.39 U	0.38 U	0.055 J	0.37 U
Acenaphthylene	100	0.34 U	0.38 U	0.38 U	0.38 U	0.39 U	0.39 U	0.38 U	0.088 J	0.37 U
Acetophenone	NA	0.34 U	0.52	0.38 U	0.048 J	0.39 U	0.39 U	0.38 U	0.38 U	0.37 U
Anthracene	100	0.34 U	0.38 U	0.38 U	0.38 U	0.39 U	0.39 U	0.38 U	0.27 J	0.37 U
Atrazine	NA	0.34 U	0.38 U	0.38 U	0.38 U	0.39 U	0.39 U	0.38 U	0.38 U	0.37 U
Benzaldehyde	NA	0.34 U	2.2	0.038 U	0.090	0.39 U	0.39 U	0.38 U	0.38 U	0.37 U
Benzo[a]anthracene	1	0.034 U	2.3	0.038 U	0.069	0.039 U	0.089	0.038 U	0.98	0.037 U
Benzo[a]pyrene	1	0.034 U	2.4	0.038 U	0.067	0.039 U	0.088	0.038 U	0.95	0.037 U
Benzo[b]fluoranthene	1	0.034 U	1.8	0.38 U	0.38 U	0.039 U	0.10	0.038 U	0.91	0.037 U
Benzo[g,h,i]perylene	100	0.34 U	0.80	0.038 U	0.038 U	0.39 U	0.075 J	0.38 U	0.86	0.37 U
Benzo[k]fluoranthene	0.8	0.034 U	0.38 U	0.38 U	0.38 U	0.039 U	0.035 J	0.038 U	0.34	0.037 U
Bis(2-chloroethoxy)methane	NA	0.34 U	0.038 U	0.038 U	0.038 U	0.39 U	0.39 U	0.38 U	0.38 U	0.37 U
Bis(2-chloroethoxy)ether	NA	0.034 U	0.38 U	0.38 U	0.38 U	0.039 U	0.039 U	0.038 U	0.038 U	0.037 U
Bis(2-ethylhexyl) phthalate	NA	0.34 U	0.10 J	0.38 U	0.38 U	0.39 U	0.39 U	0.38 U	0.38 U	0.37 U
Butyl benzyl phthalate	NA	0.34 U	0.38 U	0.38 U	0.38 U	0.39 U	0.39 U	0.38 U	0.38 U	0.37 U
Caprolactam	NA	0.34 U	0.13 J	0.38 U	0.38 U	0.39 U	0.39 U	0.38 U	0.38 U	0.37 U
Carbazole	NA	0.34 U	2.5	0.38 U	0.083 J	0.39 U	0.39 U	0.38 U	0.38 U	0.37 U
Chrysene	1	0.34 U	0.22 J	0.38 U	0.38 U	0.39 U	0.11 J	0.38 U	1.2	0.37 U
Dibenz(a,h)anthracene	0.33	0.034 U	0.38 U	0.038 U	0.038 U	0.039 U	0.017 J	0.038 U	0.17	0.037 U
Dibenzofuran	7	0.34 U	0.072 J	0.38 U	0.38 U	0.39 U	0.39 U	0.38 U	0.38 U	0.37 U
Diethyl phthalate	NA	0.34 U	0.38 U	0.38 U	0.38 U	0.39 U	0.39 U	0.38 U	0.38 U	0.37 U
Dimethyl phthalate	NA	0.34 U	0.38 U	0.38 U	0.38 U	0.39 U	0.39 U	0.38 U	0.38 U	0.37 U
Di-n-butyl phthalate	NA	0.34 U	0.38 U	0.38 U	0.38 U	0.39 U	0.28 J	0.38 U	0.38 U	0.37 U
Di-n-octyl phthalate	NA	0.34 U	0.38 U	0.38 U	0.38 U	0.39 U	0.39 U	0.38 U	0.38 U	0.37 U
Diphenyl	NA	0.34 U	0.38 U	0.38 U	0.38 U	0.39 U	0.39 U	0.38 U	0.38 U	0.37 U
Fluoranthene	100	0.34 U	3.4	0.38 U	0.19 J	0.39 U	0.12 J	0.38 U	1.4	0.37 U
Fluorene	30	0.34 U	0.18 J	0.38 U	0.38 U	0.39 U	0.39 U	0.38 U	0.16 J	0.37 U
Hexachlorobenzene	0.33	0.034 U	0.038 U	0.038 U	0.038 U	0.039 U	0.039 U	0.038 U	0.038 U	0.037 U
Hexachlorobutadiene	NA	0.070 U	0.077 U	0.076 U	0.078 U	0.078 U	0.079 U	0.077 U	0.076 U	0.075 U
Hexachlorocyclopentadiene	NA	0.34 U	0.38 U	0.38 U	0.38 U	0.39 U	0.39 U	0.38 U	0.38 U	0.37 U
Hexachloroethane	NA	0.034 U	0.038 U	0.038 U	0.038 U	0.039 U	0.039 U	0.038 U	0.038 U	0.037 U
Indeno[1,2,3-cd]pyrene	0.5	0.034 U	1.6	0.038 U	0.038 U	0.039 U	0.069	0.038 U	0.77	0.037 U
Isophorone	NA	0.34 U	0.38 U	0.38 U	0.11 J	0.39 U	0.20 J	0.38 U	0.38 U	0.37 U
Naphthalene	12	0.34 U	0.30 J	0.38 U	0.38 U	0.39 U	0.39 U	0.38 U	0.38 U	0.21 J
Nitrobenzene	NA	0.034 U	0.038 U	0.038 U	0.038 U	0.039 U	0.039 U	0.038 U	0.038 U	0.037 U
N-Nitrosodi-n-propylamine	NA	0.034 U	0.038 U	0.038 U	0.038 U	0.039 U	0.039 U	0.038 U	0.038 U	0.037 U
N-Nitrosodiphenylamine	NA	0.34 U	0.38 U	0.38 U	0.38 U	0.39 U	0.39 U	0.38 U	0.38 U	0.37 U
Pentachlorophenol	0.8	1.0 U	1.2 U	1.1 U	1.2 U	1.2 U	1.2 U	1.2 U	1.1 U	1.1 U
Phenanthrene	100	0.34 U	2.2	0.38 U	0.28 J	0.39 U	0.056 J	0.38 U	1.3	0.37 U
Phenol	0.33	0.34 U	0.38 U	0.38 U	0.38 U	0.39 U	0.39 U	0.38 U	0.38 U	0.37 U
Pyrene	100	0.34 U	3.7	0.38 U	0.25 J	0.39 U	0.16 J	0.38 U	1.6	0.37 U
Pyridine	NA	0.34 U	0.38 U	0.38 U	0.38 U	0.39 U	0.39 U	0.38 U	0.38 U	0.37 U

Notes

ND: TIC not detected

J : Indicates an estimated value.

J N : This flag indicates the presumptive evidence of a compound.

U : Analyzed for but not detected.

U R : Indicates that value is rejected based upon DUSR review by third party data validator.

Highlighted / bolded indicates analyte exceeded above its respective NYSDEC Unrestricted SCO.

NA - Not Available

Table 4-29
TAL Metals Soil Analytical Data
Former R & D Building Area

TAL Metals (mg/kg)	NYSDEC Unrestricted SCO	Soil Samples Former R&D Building Area																	
		RD-1	RD-2	RD-3			RD-4	RD-5	RD-6			RD-7			RD-8	RD-9	RD-10		
		(0.5-1.0')	(0.5-1.0')	(0.5-1.0')	(2.5-3.0')	(6.0-6.5')	(0.5-1.0')	(0.5-1.0')	(0.5-1.0')	(3.0-3.5')	(7.0-7.5')	(0.5-1.0')	(2.0-2.5')	(6.5-7.0')	(0.5-1.0')	(0.5-1.0')	(0.5-1.0')	(5.0-5.5')	(6.0-6.5')
Aluminum	NA	6,410	2,740	7,710	5,680	2,260	6,670	6,330	6,170	9,900	9,190	6,570	5,650	13,000	8,650	6,000	16,800	19,800	9,840
Antimony	NA	2.1 U	2.0 U	1.9 U	2.0 U	2.1 U	2.0 U	2.2 U	2.1 U	2.0 U	2.2 U	2.2 U	2.0 U	2.1 U	2.2 U	2.0 U	2.2 U	2.1 U	2.1 U
Arsenic	13	4.0	1.1	2.6	1.9	1.0 J	3.5	2.8	3.2	2.1	2.9	2.8	2.7	3.4	2.2	1.3	3.6	4.8	4.4
Barium	350	36.6 J	15.6 J	33.9 J	19.8 J	7.0 J	92.8	56.2	60.1	26.0 J	27.8 J	66.5	40.1 J	162	19.9 J	17.7 J	92.1	121	37.2 J
Beryllium	7.2	0.32 J	0.41 U	0.32 J	0.23 J	0.24 J	0.30 J	0.35 J	0.27 J	0.18 J	0.25 J	0.30 J	0.28 J	0.65	0.23 J	0.23 J	0.63	0.76	0.40 J
Cadmium	2.5	0.18 J	1.0 U	0.97 U	1.0 U	1.1 U	0.61 J	1.1 U	1.0 U	0.99 U	1.1 U	1.1 U	1.0 U	1.1 U	1.1 U	1.0 U	1.1 U	1.1 U	1.0 U
Calcium	NA	1,080	448 J	9,550	335 J	164 J	3,660	1,900	1,480	257 J	3,790	9,030	689 J	1,760	551 J	938 J	3580	1,310	235 J
Chromium ¹	30	11.4	7.2	12.6	8.5	4.7	16.1	10.8	12.5	18.5	18.0	12.3	11.5	28.8	16.1	11.5	36.4	41.7	18.2
Cobalt	NA	3.6 J	2.0 J	4.2 J	2.7 J	3.1 J	3.6 J	3.3 J	3.6 J	3.1 J	3.0 J	4.0 J	2.9 J	17.8	3.3 J	3.8 J	15.0	14.2	3.3 J
Copper	50	16.6	4.1 J	13.1	6.7	3.6 J	34.6	18.7	16.6	7.0	8.5	21.4	12.3	20.7	7.1	22.5	22.1	26.3	11.5
Iron	NA	9,110	4,950	10,500	7,760	7,090	16,400	11,600	9,690	13,600	14,300	11,500	10,900	21,600	9,750	9,620	30,200	30,800	15,100
Lead	63	113	2.4	27.1	4.3	2.2	191	74.2	112	17.4	11.5	175	67.0	9.3	6.5	6.8	12.8	12.5	7.8
Magnesium	NA	1,280	839 J	1,870	1,670	364 J	1,700	1,280	1,480	2,420	2,120	2,240	1,280	4,630	2,250	2,020	6,140	6,870	2,360
Manganese	1,600	102	137	115	81.1	99.9	149	157	153	74.7	69.0	157	83.8	208	84.0	91.7	404	392	75.4
Nickel	30	9.0	5.2 J	7.6 J	6.5 J	2.3 J	8.6	7.5 J	7.5 J	8.7	7.4 J	7.6 J	6.7 J	22.7	7.8 J	7.4 J	21.7	23.3	9.2
Potassium	NA	680 J	691 J	812 J	508 J	121 J	1,000	408 J	655 J	516 J	521 J	543 J	404 J	1,640	453 J	653 J	2,350	3,500	581 J
Selenium	3.9	2.1 U	2.0 U	1.9 U	2.0 U	2.1 U	2.0 U	2.2 U	2.1 U	2.0 U	2.2 U	2.2 U	2.0 U	2.1 U	2.2 U	2.0 U	2.2 U	2.1 U	2.1 U
Silver	2	0.82 J	2.0 U	11.8	2.0 U	2.1 U	39.2	1.1 J	27.0	13.9	2.2 U	27.8	103	2.1 U	2.2 U	1.1 J	2.2 U	0.80 J	27.3
Sodium	NA	1,040 U	1,020 U	184 J	1,020 U	1,060 U	997 U	1,090 U	199 J	992 U	1,120 U	195 J	1,010 U	272 J	1,100 U	1,020 U	464 J	603 J	1,050 U
Thallium	NA	2.1 U	2.0 U	1.9 U	2.0 U	2.1 U	2.0 U	2.2 U	2.1 U	2.0 U	2.2 U	2.2 U	2.0 U	2.1 U	2.2 U	2.0 U	2.2 U	2.1 U	2.1 U
Vanadium	NA	12.5	6.0 J	17.6	12.4	7.6 J	23.4	14.7	14.8	24.0	26.0	18.2	13.0	29.4	19.0	17.7	50.6	49.8	32.5
Zinc	109	40.9	9.6	53.1	19.2	8.2	118	48.1	79.5	30.3	27.9	158	84.1	56.1	22.3	23.5	74.6	89.6	52.0
Mercury	0.18	0.34	0.017 U	0.022	0.017 U	0.018 U	0.11	0.11	0.12	0.019 U	0.019 U	0.37	0.089	0.019 U	0.020 U	0.027	0.020 U	0.019 U	0.020 U

Notes
J : Sample result is greater than the MDL but below the CRDL
U : Indicates analyzed for but not detected.
¹ Trivalent chromium SCOs utilized.
Highlighted / bolded indicates analyte exceeded above its respective NYSDEC Unrestricted SCO.
NA - Not Available



Table 4-29
TAL Metals Soil Analytical Data
Former R & D Building Area

TAL Metals (mg/kg)	NYSDEC Unrestricted SCO	Soil Samples Former R&D Building Area																
		RD-11		RD-12	RD-13	RD-14	RD-15	RD-16			RD-17	RD-18	RD-19	RD-20			Bldg2- RCRA3-SB-4	
		(0.5-1.0')	(3.5-4.0')	(0.5-1.0')	(0.5-1.0')	(0.5-1.0')	(2.5-3.0')	(0.5-1.0')	(3.5-4.0')	(6.5-7.0')	(0.5-1.0')	(0.5-1.0')	(0.5-1.0')	(0.5-1.0')	(3.5-4.0')	(6.5-7.0')	(4.0-4.5')	(6.0-6.5')
Aluminum	NA	9,660	8,780	11,400	7,850	8,400	11,500	11,400	3,210	2,230	11,600	11,700	9,510	8,950	9,370	9,940	8,940	7,020
Antimony	NA	2.3 U	2.2 U	2.0 U	2.4 U	2.2 U	2.2 U	2.3 U	1.6 U	2.0 U	2.0 U	2.0 U	2.2 U	2.1 U	2.2 U	1.8 U	2.2 U	2.1 U
Arsenic	13	3.7	4.3	3.7	3.8	3.1	1.7	5.1	1.1	0.99 U	5.3	3.1	4.0	4.6	4.8	3.9	2.2	2.1
Barium	350	39.1 J	94.8	58.7	38.5 J	51.3	39.4 J	33.8 J	10.9 J	11.6 J	30.3 J	30.8 J	76.0	120	25.9 J	54.2	40.6 J	29.9 J
Beryllium	7.2	0.52	1.0	0.54	0.50	0.33 J	0.35 J	0.42 J	0.15 J	0.16 J	0.47	0.35 J	0.51	0.34 J	0.68	0.39	0.45	0.27 J
Cadmium	2.5	1.2 U	1.1 U	1.0 U	1.2 U	1.1 U	1.1 U	1.1 U	0.79 U	0.99 U	0.98 U	1.0 U	1.1 U	1.2	1.1 U	0.88 U	1.1 U	1.1 U
Calcium	NA	1,230	1,150	1,140	10,000	6,330	1,630	6,490	451 J	133 J	703 J	1,150	1,800	7,730	1,200	11,900	6,560	746 J
Chromium ¹	30	14.6	19.6	19.7	19.6	15.5	17.9	20.5	6.2	4.9	15.6	16.8	19.9	26.8	36.7	17.4	17.5	10.2
Cobalt	NA	4.6 J	9.2 J	4.9 J	5.9 J	4.0 J	4.2 J	9.2 J	2.0 J	1.3 J	19.1	3.8 J	11.2	5.4 J	4.2 J	5.1 J	5.2 J	2.9 J
Copper	50	8.9	16.3	16.9	15.2	16.9	10.8	12.7	8.8	4.0 J	9.9	8.5	11.4	71.9	12.8	11.5	10.6	9.5
Iron	NA	16,100	21,100	20,000	20,800	12,300	11,400	24,500	4,870	6,610	21,400	14,700	14,400	18,300	26,200	14,100	12,700	7,400
Lead	63	30.0	8.5	43.5	56.8	126	8.2	9.2	2.2	1.8	9.9	8.0	8.0	1,220	9.6	22.3	6.5	7.7
Magnesium	NA	2,020	3,440	2,570	1,980	2,020	2,960	2,670	727 J	551 J	2,430	2,540	2,990	2,450	2,490	5,770	2,580	1,810
Manganese	1,600	167	185	162	175	110	103	233	81.6	138	395	115	360	283	131	381	128	67.9
Nickel	30	8.8 J	15.0	11.4	8.4 J	9.6	10	10.0	4.7 J	3.1 J	8.8	8.4	12.9	12.3	9.7	10.8	9.8	8.9
Potassium	NA	491 J	1,210	744 J	738 J	627 J	1,010 J	688 J	290 J	215 J	656 J	574 J	1,060 J	888 J	733 J	1,260	722 J	490 J
Selenium	3.9	2.3 U	2.2 U	2.0 U	2.4 U	2.2 U	2.2 U	2.3 U	1.6 U	2.0 U	2.0 U	2.0 U	2.2 U	2.1 U	2.2 U	1.8 U	2.2 U	2.1 U
Silver	2	98.8	1.1 J	262	232	331	0.75 J	1.4 J	1.6 U	2.0 U	45.3	2.0 U	2.2 U	3.7	2.2 U	3.6	2.2 U	25.1
Sodium	NA	1,160 U	251 J	214 J	1,190 U	532 J	1,120 U	257 J	791 U	991 U	441 J	350 J	398 J	1,030 U	1,080 U	880 U	1,110 U	1,070 U
Thallium	NA	2.3 U	2.2 U	2.0 U	2.4 U	2.2 U	2.2 U	2.3 U	1.6 U	2.0 U	2.0 U	2.0 U	2.2 U	2.1 U	2.2 U	1.8 U	2.2 U	2.1 U
Vanadium	NA	20.5	30.2	28.4	22.9	18.7	15.8	30.0	5.6 J	5.5 J	24.3	24.8	29.5	21.8	31.5	26.7	18.8	11.9
Zinc	109	125	41.3	91.1	82.2	280	35.6	31.0	7.7	8.1	72.8	28.2	30.5	487	24.0	32.9	28.4	62.1
Mercury	0.18	0.16	0.018 U	0.044	0.040	0.13	0.021 U	0.019 U	0.015 U	0.016 U	0.014 J	0.019 U	0.019 U	0.25	0.019	0.028	0.019 U	0.019 U

Notes
J : Sample result is greater than the MDL but below the CRDL
U : Indicates analyzed for but not detected.
¹ Trivalent chromium SCOs utilized.
Highlighted / bolded indicates analyte exceeded above its respective NYSDEC Unrestricted SCO.
NA - Not Available



Table 4-30
TCL VOCs Soil Analytical Data
Former Chem Mix Building Area

TCL VOCs (mg/kg)	NYSDEC Unrestricted SCO	Soil Samples Former Chem Mix Building Area																
		CM-1	CM-2	CM-3		CM-4	CM-5	CM-6	CM-7	CM-8		CM-9	CM-10	CM-11				
		(0.5-1.0')	(0.5-1.0')	(0.5-1.0')	(4.5-5.0')	(7.0-7.5')	(6.0-6.5')	(0.5-1.0')	(0.5-1.0')	(0.5-1.0')	(3.0-3.5')	(4.0-4.5')	(0.5-1.0')	(0.5-1.0')	(0.5-1.0')	(4.0-4.5')	(5.5-6.0')	
1,1,1-Trichloroethane	0.68	0.00092 U	0.00087 U	0.00097 U	0.0012 U	0.0011 U	0.0010 U	0.00083 U	0.00093 U	0.00094 U	0.0010 U	0.00093 U	0.046 U	0.00096 U	0.0011 U	0.0014	0.011	0.0050
1,1,2,2-Tetrachloroethane	NA	0.00092 U	0.00087 U	0.00097 U	0.0012 U	0.0011 U	0.0010 U	0.00083 U	0.00093 U	0.00094 U	0.0010 U	0.00093 U	0.046 U	0.00096 U	0.0011 U	0.0010 U	0.0012 U	0.0012 U
1,1,2-Trichloroethane	NA	0.00092 U	0.00087 U	0.00097 U	0.0032	0.0029	0.0010 U	0.00083 U	0.00093 U	0.00094 U	0.0010 U	0.00093 U	0.046 U	0.00096 U	0.0011 U	0.0010 U	0.0012 U	0.0012 U
1,1-Dichloroethane	0.27	0.00092 U	0.00087 U	0.00097 U	0.0012 U	0.0011 U	0.0010 U	0.00083 U	0.00093 U	0.00094 U	0.0010 U	0.00093 U	0.046 U	0.00096 U	0.0011 U	0.0010 U	0.00066 J	0.00038 J
1,1-Dichloroethene	0.33	0.00092 U	0.00087 U	0.00097 U	0.0012 U	0.0011 U	0.0010 U	0.00083 U	0.00093 U	0.00094 U	0.0010 U	0.00093 U	0.046 U	0.00096 U	0.0011 U	0.0010 U	0.0012 U	0.0012 U
1,2,3-Trichlorobenzene	NA	0.00092 U	0.00087 U	0.00097 U	0.0012 U	0.0011 U	0.0010 U	0.00083 U	0.00093 U	0.00094 U	0.0010 U	0.00093 U	0.046 U	0.00096 U	0.0011 U	0.0010 U	0.0012 U	0.0012 U
1,2,4-Trichlorobenzene	NA	0.00092 U	0.00087 U	0.00097 U	0.0012 U	0.0011 U	0.0010 U	0.00083 U	0.00093 U	0.00094 U	0.0010 U	0.00093 U	0.046 U	0.00096 U	0.0011 U	0.0010 U	0.0012 U	0.0012 U
1,2-Dibromo-3-Chloropropane	NA	0.00092 U	0.00087 U	0.00097 U	0.0012 U	0.0011 U	0.0010 U	0.00083 U	0.00093 U	0.00094 U	0.0010 U	0.00093 U	0.046 U	0.00096 U	0.0011 U R	0.0010 U	0.0012 U R	0.0012 U R
1,2-Dibromoethane	NA	0.00092 U	0.00087 U	0.00097 U	0.0012 U	0.0011 U	0.0010 U	0.00083 U	0.00093 U	0.00094 U	0.0010 U	0.00093 U	0.046 U	0.00096 U	0.0011 U	0.0010 U	0.0012 U	0.0012 U
1,2-Dichlorobenzene	1.1	0.00092 U	0.00087 U	0.00097 U	0.0012 U	0.0011 U	0.0010 U	0.00083 U	0.00093 U	0.00094 U	0.0010 U	0.00093 U	0.046 U	0.00096 U	0.0011 U	0.0010 U	0.0012 U	0.0012 U
1,2-Dichloroethane	0.02	0.00092 U	0.00087 U	0.00097 U	0.0012 U	0.0011 U	0.0010 U	0.00083 U	0.00093 U	0.00094 U	0.0010 U	0.00093 U	0.046 U	0.00096 U	0.0011 U	0.0010 U	0.0012 U	0.0012 U
1,2-Dichloropropane	NA	0.00092 U	0.00087 U	0.00097 U	0.0012 U	0.0011 U	0.0010 U	0.00083 U	0.00093 U	0.00094 U	0.0010 U	0.00093 U	0.046 U	0.00096 U	0.0011 U	0.0010 U	0.0012 U	0.0012 U
1,3-Dichlorobenzene	2.4	0.00092 U	0.00087 U	0.00097 U	0.0012 U	0.0011 U	0.0010 U	0.00083 U	0.00093 U	0.00094 U	0.0010 U	0.00093 U	0.046 U	0.00096 U	0.0011 U	0.0010 U	0.0012 U	0.0012 U
1,4-Dichlorobenzene	1.8	0.00092 U	0.00087 U	0.00097 U	0.0012 U	0.0011 U	0.0010 U	0.00083 U	0.00093 U	0.00094 U	0.0010 U	0.00093 U	0.046 U	0.00096 U	0.0011 U	0.0010 U	0.0012 U	0.0012 U
1,4-Dioxane	0.1	0.046 U	0.043 U	0.048 U	0.062 U	0.054 U	0.051 U	0.041 U	0.046 U	0.047 U	0.050 U	0.046 U	2.3 U	0.048 U	0.054 U	0.052 U	0.059 U	0.062 U
2-Butanone (MEK)	0.12	0.0092 U	0.0087 U	0.0097 U	0.012 U	0.011 U	0.010 U	0.0083 U	0.0093 U	0.0094 U	0.0048 J	0.0050 J	0.23 U	0.0096 U	0.011 U	0.010 U	0.012 U	0.012 U
2-Hexanone	NA	0.0092 U	0.0087 U	0.0097 U	0.012 U	0.011 U	0.010 U	0.0083 U	0.0093 U	0.0094 U	0.010 U	0.0093 U	0.23 U	0.0096 U	0.011 U	0.010 U	0.012 U	0.012 U
4-Methyl-2-pentanone	NA	0.0092 U	0.0087 U	0.0097 U	0.012 U	0.011 U	0.010 U	0.0083 U	0.0093 U	0.0094 U	0.010 U	0.0093 U	0.23 U	0.0096 U	0.011 U	0.010 U	0.012 U	0.012 U
Acetone	0.05	0.0038 J B	0.0034 J B	0.0046 J B	0.012 U	0.0031 J B	0.018	0.0083 U	0.0093 U	0.0094 U	0.027	0.032	0.23 U	0.0096 U	0.011 U	0.0072 J	0.012 U	0.012 U
Benzene	0.06	0.00092 U	0.00087 U	0.00097 U	0.0012 U	0.0011 U	0.0017	0.00083 U	0.00093 U	0.00094 U	0.0010 U	0.00093 U	0.046 U	0.00096 U	0.0011 U	0.0010 U	0.0012 U	0.0012 U
Bromochloromethane	NA	0.00092 U	0.00087 U	0.00097 U	0.0012 U	0.0011 U	0.0010 U	0.00083 U	0.00093 U	0.00094 U	0.0010 U	0.00093 U	0.046 U	0.00096 U	0.0011 U	0.0010 U	0.0012 U	0.0012 U
Bromodichloromethane	NA	0.00092 U	0.00087 U	0.00097 U	0.0012 U	0.0011 U	0.0010 U	0.00083 U	0.00093 U	0.00094 U	0.0010 U	0.00093 U	0.046 U	0.00096 U	0.0011 U	0.0010 U	0.0012 U	0.0012 U
Bromoform	NA	0.00092 U	0.00087 U	0.00097 U	0.0012 U	0.0011 U	0.0010 U	0.00083 U	0.00093 U	0.00094 U	0.0010 U	0.00093 U	0.046 U	0.00096 U	0.0011 U	0.0010 U	0.0012 U	0.0012 U
Bromomethane	NA	0.00092 U	0.00087 U	0.00097 U	0.0012 U	0.0011 U	0.0010 U	0.00083 U	0.00093 U	0.00094 U	0.0010 U	0.00093 U	0.046 U	0.00096 U	0.0011 U	0.0010 U	0.0012 U	0.0012 U
Carbon disulfide	NA	0.00092 U	0.00025 J	0.00097 U	0.0012 U	0.0011 U	0.00065 J	0.00083 U	0.00093 U	0.00094 U	0.0031	0.0035	0.023 J	0.00096 U	0.00047 J	0.0010 U	0.0012 U	0.0012 U
Carbon tetrachloride	0.76	0.00092 U	0.00087 U	0.00097 U	0.0012 U	0.0011 U	0.0010 U	0.00083 U	0.00093 U	0.00094 U	0.0010 U	0.00093 U	0.046 U	0.00096 U	0.0011 U	0.0010 U	0.0012 U	0.0012 U
Chlorobenzene	1.1	0.00092 U	0.00087 U	0.00097 U	0.0012 U	0.0011 U	0.0010 U	0.00083 U	0.00093 U	0.00094 U	0.0010 U	0.00093 U	0.046 U	0.00096 U	0.0011 U	0.0010 U	0.0012 U	0.0012 U
Chloroethane	NA	0.00092 U	0.00087 U	0.00097 U	0.0012 U	0.0011 U	0.0010 U	0.00083 U	0.00093 U	0.00094 U	0.0010 U	0.00093 U	0.046 U	0.00096 U	0.0011 U	0.0010 U	0.0012 U	0.0012 U
Chloroform	0.37	0.00092 U	0.00087 U	0.00097 U	0.0012 U	0.0011 U	0.0010 U	0.00083 U	0.00093 U	0.00094 U	0.0010 U	0.00093 U	0.046 U	0.00096 U	0.0011 U	0.0010 U	0.0012 U	0.0012 U
Chloromethane	NA	0.00092 U	0.00087 U	0.00097 U	0.0012 U	0.0011 U	0.0010 U	0.00083 U	0.00093 U	0.00094 U	0.0010 U	0.00093 U	0.046 U	0.00096 U	0.0011 U	0.0010 U	0.0012 U	0.0012 U
cis-1,2-Dichloroethene	0.25	0.00092 U	0.00087 U	0.00097 U	0.0012 U	0.0011 U	0.0010 U	0.00083 U	0.00093 U	0.00094 U	0.00078 J	0.00013 J	0.023 J	0.00041 J	0.0011 U	0.0010 U	0.0012 U	0.0012 U
cis-1,3-Dichloropropene	NA	0.00092 U	0.00087 U	0.00097 U	0.0012 U	0.0011 U	0.0010 U	0.00083 U	0.00093 U	0.00094 U	0.0010 U	0.00093 U	0.046 U	0.00096 U	0.0011 U	0.0010 U	0.0012 U	0.0012 U
Cyclohexane	NA	0.00092 U	0.00087 U	0.00097 U	0.0012 U	0.0011 U	0.0010 U	0.00083 U	0.00093 U	0.00094 U	0.0010 U	0.00093 U	0.046 U	0.00096 U	0.0011 U	0.0010 U	0.0012 U	0.0012 U
Dibromochloromethane	NA	0.00092 U	0.00087 U	0.00097 U	0.0012 U	0.0011 U	0.0010 U	0.00083 U	0.00093 U	0.00094 U	0.0010 U	0.00093 U	0.046 U	0.00096 U	0.0011 U	0.0010 U	0.0012 U	0.0012 U
Dichlorodifluoromethane	NA	0.00092 U	0.00087 U	0.00097 U	0.0012 U	0.0011 U	0.0010 U	0.00083 U	0.00093 U	0.00094 U	0.0010 U	0.00093 U	0.046 U	0.00096 U	0.0011 U	0.0010 U	0.0012 U	0.0012 U
Ethylbenzene	1	0.00092 U	0.00087 U	0.00097 U	0.0012 U	0.0011 U	0.0010 U	0.00083 U	0.00093 U	0.00094 U	0.0010 U	0.00093 U	0.0079 J	0.00096 U	0.0011 U	0.0010 U	0.0012 U	0.0012 U
Freon 113	NA	0.00092 U	0.00087 U	0.00097 U	0.0012 U	0.0011 U	0.0010 U	0.00083 U	0.00093 U	0.00094 U	0.0010 U	0.00093 U	0.046 U	0.00096 U	0.0011 U	0.0010 U	0.0012 U	0.0012 U
Isopropylbenzene	NA	0.00092 U	0.00087 U	0.00097 U	0.0012 U	0.0011 U	0.0010 U	0.00083 U	0.00093 U	0.00094 U	0.0010 U	0.00093 U	0.046 U	0.00096 U	0.0011 U	0.0010 U	0.0012 U	0.0012 U
m&p-Xylene	0.26	0.0018 U	0.0017 U	0.0019 U	0.0025 U	0.0022 U	0.0021 U	0.0017 U	0.0019 U	0.0019 U	0.0020 U	0.0019 U	0.026 J	0.0019 U	0.0022 U	0.0021 U	0.0024 U	0.0025 U
Methyl acetate	NA	0.00092 U	0.00087 U	0.00097 U	0.0012 U	0.0011 U	0.0010 U	0.00083 U	0.00093 U	0.00094 U	0.0010 U	0.0073	0.092 U	0.00096 U	0.0011 U	0.0010 U	0.0012 U	0.0012 U
Methylcyclohexane	NA	0.00092 U	0.00087 U	0.00097 U	0.0012 U	0.0011 U	0.0010 U	0.00083 U	0.00093 U	0.00094 U	0.0010 U	0.00093 U	0.046 U	0.00096 U	0.0011 U	0.0010 U	0.0012 U	0.0012 U

Table 4-30
TCL VOCs Soil Analytical Data
Former Chem Mix Building Area

TCL VOCs (mg/kg)	NYSDEC Unrestricted SCO	Soil Samples Former Chem Mix Building Area																	
		CM-12			CM-13	CM-14	CM-15	CM-16		CM-17	CM-18	CM-19	CM-20	CM-21		CM-22	CM-23		
		(0.5-1.0')	(4.0-4.5')	(6.5-7.0')	(0.5-1.0')	(0.5-1.0')	(0.5-1.0')	(0.5-1.0')	(4.0-4.5')	(7.0-7.5')	(0.5-1.0')	(0.5-1.0')	(0.5-1.0')	(0.5-1.0')	(0.5-1.0')	(4.0-4.5')	(5.0-5.5')	(0.5-1.0')	(0.5-1.0')
1,1,1-Trichloroethane	0.68	0.00075 U	0.0011 U	0.00086 U	0.00083 U	0.00092 U	0.00087 U	0.0016	0.0011 U	0.00093 U	0.0070	0.0011 U	0.0032	0.0010 U	0.0011 U	0.046 U	0.048 U	0.00098 U	0.00083 U
1,1,2,2-Tetrachloroethane	NA	0.00075 U	0.0011 U	0.00086 U	0.00083 U	0.00092 U	0.00087 U	0.00096 U	0.0011 U	0.00093 U	0.00091 U	0.0011 U	0.00078 U	0.0010 U	0.0011 U	0.046 U	0.048 U	0.00098 U	0.00083 U
1,1,2-Trichloroethane	NA	0.00075 U	0.0011 U	0.00086 U	0.00083 U	0.00092 U	0.00087 U	0.00096 U	0.0011 U	0.00093 U	0.00091 U	0.0011 U	0.00078 U	0.0010 U	0.0011 U	0.046 U	0.048 U	0.00098 U	0.00083 U
1,1-Dichloroethane	0.27	0.00075 U	0.0011 U	0.00086 U	0.00083 U	0.00092 U	0.00038 J	0.0012	0.037	0.00093 U	0.0020	0.0011 U	0.00038 J	0.0010 U	0.00077 J	0.046 U	0.048 U	0.00098 U	0.00013 J
1,1-Dichloroethene	0.33	0.00075 U	0.0011 U	0.00086 U	0.00083 U	0.00092 U	0.00087 U	0.00096 U	0.00042 J	0.00093 U	0.00091 U	0.0011 U	0.00078 U	0.0010 U	0.0011 U	0.046 U	0.048 U	0.00098 U	0.00083 U
1,2,3-Trichlorobenzene	NA	0.00075 U	0.0011 U	0.00086 U	0.00083 U	0.00092 U	0.00087 U	0.00096 U	0.0011 U	0.00093 U	0.00091 U	0.0011 U	0.00078 U	0.0010 U	0.0011 U	0.046 U	0.048 U	0.00098 U	0.00083 U
1,2,4-Trichlorobenzene	NA	0.00075 U	0.0011 U	0.00086 U	0.00083 U	0.00092 U	0.00087 U	0.00096 U	0.0011 U	0.00093 U	0.00091 U	0.0011 U	0.00078 U	0.0010 U	0.0011 U	0.046 U	0.048 U	0.00098 U	0.00083 U
1,2-Dibromo-3-Chloropropane	NA	0.00075 U	0.0011 U	0.00086 U	0.00083 U	0.00092 U	0.00087 U	0.00096 U	0.0011 U	0.00093 U	0.00091 U	0.0011 U	0.00078 U	0.0010 U	0.0011 U	0.046 U	0.048 U	0.00098 U	0.00083 U
1,2-Dibromoethane	NA	0.00075 U	0.0011 U	0.00086 U	0.00083 U	0.00092 U	0.00087 U	0.00096 U	0.0011 U	0.00093 U	0.00091 U	0.0011 U	0.00078 U	0.0010 U	0.0011 U	0.046 U	0.048 U	0.00098 U	0.00083 U
1,2-Dichlorobenzene	1.1	0.00075 U	0.0011 U	0.00086 U	0.00083 U	0.00092 U	0.00087 U	0.00096 U	0.0011 U	0.00093 U	0.00091 U	0.0011 U	0.00078 U	0.0010 U	0.00013 J	0.046 U	0.048 U	0.00098 U	0.00083 U
1,2-Dichloroethane	0.02	0.00075 U	0.0011 U	0.00086 U	0.00083 U	0.00092 U	0.00087 U	0.00096 U	0.0011 U	0.00093 U	0.00091 U	0.0011 U	0.00078 U	0.0010 U	0.0011 U	0.046 U	0.048 U	0.00098 U	0.00083 U
1,2-Dichloropropane	NA	0.00075 U	0.0011 U	0.00086 U	0.00083 U	0.00092 U	0.00087 U	0.00096 U	0.0011 U	0.00093 U	0.00091 U	0.0011 U	0.00078 U	0.0010 U	0.0011 U	0.046 U	0.048 U	0.00098 U	0.00083 U
1,3-Dichlorobenzene	2.4	0.00075 U	0.0011 U	0.00086 U	0.00083 U	0.00092 U	0.00087 U	0.00096 U	0.0011 U	0.00093 U	0.00091 U	0.0011 U	0.00078 U	0.0010 U	0.0011 U	0.046 U	0.048 U	0.00098 U	0.00083 U
1,4-Dichlorobenzene	1.8	0.00075 U	0.0011 U	0.00086 U	0.00083 U	0.00092 U	0.00087 U	0.00096 U	0.0011 U	0.00093 U	0.00091 U	0.0011 U	0.00078 U	0.0010 U	0.00019 J	0.046 U	0.048 U	0.00098 U	0.00083 U
1,4-Dioxane	0.1	0.037 U	0.055 U	0.043 U	0.042 U	0.046 U	0.044 U	0.048 U	0.055 U	0.047 U	0.045 U	0.055 U	0.039 U	0.051 U	0.054 U	2.3 U	2.4 U	0.057	0.042 U
2-Butanone (MEK)	0.12	0.0075 U	0.011 U	0.0010 J	0.0083 U	0.00092 J	0.0087 U	0.0096 U	0.0079 J	0.0093 U	0.0091 U	0.0072 J	0.0078 U	0.010 U	0.011	0.23 U	0.24 U	0.014	0.0083 U
2-Hexanone	NA	0.0075 U	0.011 U	0.0086 U	0.0083 U	0.0092 U	0.0087 U	0.0096 U	0.011 U	0.0093 U	0.0091 U	0.011 U	0.0078 U	0.010 U	0.011 U	0.23 U	0.24 U	0.0098 U	0.0083 U
4-Methyl-2-pentanone	NA	0.0075 U	0.011 U	0.0086 U	0.0083 U	0.0092 U	0.0087 U	0.0096 U	0.011 U	0.0093 U	0.0091 U	0.011 U	0.0078 U	0.010 U	0.011 U	0.23 U	0.24 U	0.0098 U	0.0083 U
Acetone	0.05	0.013 B	0.027 B	0.030 B	0.0083 U	0.016 B	0.0068 J B	0.013 B	0.060 B	0.032 B	0.0033 J B	0.071 B	0.0078 U	0.010 U	0.067	0.23 U	0.24 U	0.059	0.0083 U
Benzene	0.06	0.00075 U	0.00063 J	0.00086 U	0.00083 U	0.00092 U	0.00087 U	0.00096 U	0.00043 J	0.00093 U	0.00091 U	0.0011 U	0.00078 U	0.00094 J	0.00043 J	0.046 U	0.048 U	0.00044 J	0.00032 J
Bromochloromethane	NA	0.00075 U	0.0011 U	0.00086 U	0.00083 U	0.00092 U	0.00087 U	0.00096 U	0.0011 U	0.00093 U	0.00091 U	0.0011 U	0.00078 U	0.0010 U	0.0011 U	0.046 U	0.048 U	0.00098 U	0.00083 U
Bromodichloromethane	NA	0.00075 U	0.0011 U	0.00086 U	0.00083 U	0.00092 U	0.00087 U	0.00096 U	0.0011 U	0.00093 U	0.00091 U	0.0011 U	0.00078 U	0.0010 U	0.0011 U	0.046 U	0.048 U	0.00098 U	0.00083 U
Bromoform	NA	0.00075 U	0.0011 U	0.00086 U	0.00083 U	0.00092 U	0.00087 U	0.00096 U	0.0011 U	0.00093 U	0.00091 U	0.0011 U	0.00078 U	0.0010 U	0.0011 U	0.046 U	0.048 U	0.00098 U	0.00083 U
Bromomethane	NA	0.00075 U	0.0011 U	0.00086 U	0.00083 U	0.00092 U	0.00087 U	0.00096 U	0.0011 U	0.00093 U	0.00091 U	0.0011 U	0.00078 U	0.0010 U	0.0011 U	0.046 U	0.048 U	0.00098 U	0.00083 U
Carbon disulfide	NA	0.00026 J	0.021	0.053	0.00024 J	0.00019 J	0.0010	0.00096 U	0.00056 J	0.00024 J	0.00091 U	0.00054 J	0.00078 U	0.00034	0.0017	0.046 U	0.048 U	0.00062 J	0.00083 U
Carbon tetrachloride	0.76	0.00075 U	0.0011 U	0.00086 U	0.00083 U	0.00092 U	0.00087 U	0.00096 U	0.0011 U	0.00093 U	0.00091 U	0.0011 U	0.00078 U	0.0010 U	0.0011 U	0.046 U	0.048 U	0.00098 U	0.00083 U
Chlorobenzene	1.1	0.00075 U	0.0011 U	0.00086 U	0.00083 U	0.00092 U	0.00087 U	0.00096 U	0.0011 U	0.00093 U	0.00091 U	0.0011 U	0.00078 U	0.0010 U	0.0011 U	0.046 U	0.048 U	0.00098 U	0.00083 U
Chloroethane	NA	0.00075 U	0.0011 U	0.00086 U	0.00083 U	0.00092 U	0.00087 U	0.00096 U	0.0011 U	0.00093 U	0.00091 U	0.0011 U	0.00078 U	0.0010 U	0.0011 U	0.046 U	0.048 U	0.00098 U	0.00083 U
Chloroform	0.37	0.00075 U	0.0011 U	0.00086 U	0.00083 U	0.00092 U	0.00087 U	0.00096 U	0.0011 U	0.00093 U	0.00091 U	0.0011 U	0.00078 U	0.0010 U	0.0011 U	0.046 U	0.048 U	0.00098 U	0.00083 U
Chloromethane	NA	0.00075 U	0.0011 U	0.00086 U	0.00083 U	0.00092 U	0.00087 U	0.00096 U	0.0011 U	0.00093 U	0.00091 U	0.0011 U	0.00078 U	0.0010 U	0.0011 U	0.046 U	0.048 U	0.00098 U	0.00083 U
cis-1,2-Dichloroethene	0.25	0.00075 U	0.00046 J	0.00086 U	0.00083 U	0.00092 U	0.00087 U	0.00048 J	0.014	0.00093 U	0.00091 U	0.00014 J	0.00078 U	0.0010 U	0.0027	0.046 U	0.048 U	0.026	0.00090
cis-1,3-Dichloropropene	NA	0.00075 U	0.0011 U	0.00086 U	0.00083 U	0.00092 U	0.00087 U	0.00096 U	0.0011 U	0.00093 U	0.00091 U	0.0011 U	0.00078 U	0.0010 U	0.0011 U	0.046 U	0.048 U	0.00098 U	0.00083 U
Cyclohexane	NA	0.00075 U	0.0011 U	0.00086 U	0.00083 U	0.00092 U	0.00087 U	0.00096 U	0.00046 J	0.00093 U	0.00091 U	0.0011 U	0.00078 U	0.0010 U	0.0011 U	0.046 U	0.048 U	0.00098 U	0.00083 U
Dibromochloromethane	NA	0.00075 U	0.0011 U	0.00086 U	0.00083 U	0.00092 U	0.00087 U	0.00096 U	0.0011 U	0.00093 U	0.00091 U	0.0011 U	0.00078 U	0.0010 U	0.0011 U	0.046 U	0.048 U	0.00098 U	0.00083 U
Dichlorodifluoromethane	NA	0.00075 U	0.0011 U	0.00086 U	0.00083 U	0.00092 U	0.00087 U	0.00096 U	0.0011 U	0.00093 U	0.00091 U	0.0011 U	0.00078 U	0.0010 U	0.0011 U	0.046 U	0.048 U	0.00098 U	0.00083 U
Ethylbenzene	1	0.00075 U	0.0011 U	0.00086 U	0.00083 U	0.00092 U	0.00087 U	0.00096 U	0.00095 J	0.00093 U	0.00091 U	0.0011 U	0.00078 U	0.00035 J	0.0035	0.43	0.86	0.0024	0.00083 U
Freon 113	NA	0.00075 U	0.0011 U	0.00086 U	0.00083 U	0.00092 U	0.00087 U	0.00096 U	0.0011 U	0.00093 U	0.00091 U	0.0011 U	0.00078 U	0.0010 U	0.0011 U	0.046 U	0.048 U	0.00098 U	0.00083 U
Isopropylbenzene	NA	0.00075 U	0.0011 U	0.00086 U	0.00083 U	0.00092 U	0.00087 U	0.00096 U	0.0011 U	0.00093 U	0.00091 U	0.0011 U	0.00078 U	0.00021 J	0.0011	0.040 J	0.019 J	0.00025 J	0.00083 U
m&p-Xylene	0.26	0.00																	

Table 4-30
TCL VOCs Soil Analytical Data
Former Chem Mix Building Area

TCL VOCs (mg/kg)	NYSDEC Unrestricted SCO	Soil Samples Former Chem Mix Building Area																		
		CM-24	CM-25				CM-26	CM-27	CM-28	CM-29		CM-30	CM-31	CM-32			CM-33		CM-36	
		(0.5-1.0')	(0.5-1.0')	(4.0-4.5')	(7.0-7.5')	(1.0-1.5')	(0.5-1.0')	(0.5-1.0')	(0.5-1.0')	(0.5-1.0')	(2.0-2.5')	(0.5-1.0')	(0.5-1.0')	(0.5-1.0')	(4.0-4.5')	(6.0-6.5')	(0.5-1.0')	(3.0-3.5')	(6.0-6.5')	(0.5-1.0')
1,1,1-Trichloroethane	0.68	0.00090 U	0.00095 U	0.0010 U	0.0010 U	0.0010 U	0.00090 U	0.0010 U	0.0010 U	0.00053 J	0.00091 U	0.0010 U	0.0024	0.00080 U	0.00095 U	0.0010 U	0.00097 U	0.0017 U	0.00090 U	0.0010 U
1,1,2,2-Tetrachloroethane	NA	0.00090 U	0.00095 U	0.0010 U	0.0010 U	0.0010 U	0.00090 U	0.0010 U	0.0010 U	0.00097 U	0.00091 U	0.0010 U	0.0011 U	0.00080 U	0.00095 U	0.0010 U	0.00097 U	0.0017 U	0.00090 U	0.0010 U
1,1,2-Trichloroethane	NA	0.00090 U	0.00095 U	0.0010 U	0.0010 U	0.0010 U	0.00090 U	0.0010 U	0.0010 U	0.00097 U	0.00091 U	0.0010 U	0.0011 U	0.00080 U	0.00095 U	0.0010 U	0.00097 U	0.0017 U	0.00090 U	0.0010 U
1,1-Dichloroethane	0.27	0.00090 U	0.00095 U	0.0010 U	0.0010 U	0.0010 U	0.00090 U	0.0010 U	0.0010 U	0.00097 U	0.00032 J	0.0010 U	0.00031 J	0.00080 U	0.00095 U	0.0010 U	0.00097 U	0.0017 U	0.00090 U	0.0010 U
1,1-Dichloroethene	0.33	0.00090 U	0.00095 U	0.0010 U	0.0010 U	0.0010 U	0.00090 U	0.0010 U	0.0010 U	0.00097 U	0.00091 U	0.0010 U	0.0011 U	0.00080 U	0.00095 U	0.0010 U	0.00097 U	0.0017 U	0.00090 U	0.00052 J
1,2,3-Trichlorobenzene	NA	0.00090 U	0.00095 U	0.0010 U	0.0010 U	0.0010 U	0.00090 U	0.0010 U	0.0010 U	0.00097 U	0.00091 U	0.0010 U	0.0011 U	0.00080 U	0.00095 U	0.0010 U	0.00097 U	0.0017 U	0.00090 U	0.0010 U
1,2,4-Trichlorobenzene	NA	0.00090 U	0.00095 U	0.0010 U	0.0010 U	0.0010 U	0.00090 U	0.0010 U	0.0010 U	0.00097 U	0.00091 U	0.0010 U	0.0011 U	0.00080 U	0.00095 U	0.0010 U	0.00097 U	0.0017 U	0.00090 U	0.0010 U
1,2-Dibromo-3-Chloropropane	NA	0.00090 U	0.00095 U	0.0010 U	0.0010 U	0.0010 U	0.00090 U R	0.0010 U R	0.00097 U	0.00091 U R	0.0010 U R	0.0011 U	0.0011 U	0.00080 U	0.00095 U	0.0010 U	0.00097 U	0.0017 U	0.00090 U	0.0010 U
1,2-Dibromoethane	NA	0.00090 U	0.00095 U	0.0010 U	0.0010 U	0.0010 U	0.00090 U	0.0010 U	0.00097 U	0.00091 U	0.0010 U	0.0011 U	0.0011 U	0.00080 U	0.00095 U	0.0010 U	0.00097 U	0.0017 U	0.00090 U	0.0010 U
1,2-Dichlorobenzene	1.1	0.00090 U	0.00095 U	0.0010 U	0.0010 U	0.0010 U	0.00090 U	0.0010 U	0.00097 U	0.00091 U	0.0010 U	0.0011 U	0.0011 U	0.00080 U	0.00095 U	0.0010 U	0.00097 U	0.0017 U	0.00090 U	0.0010 U
1,2-Dichloroethane	0.02	0.00090 U	0.00095 U	0.0010 U	0.0010 U	0.0010 U	0.00090 U	0.0010 U	0.00097 U	0.00091 U	0.0010 U	0.0011 U	0.0011 U	0.00080 U	0.00095 U	0.0010 U	0.00097 U	0.0017 U	0.00090 U	0.0010 U
1,2-Dichloropropane	NA	0.00090 U	0.00095 U	0.0010 U	0.0010 U	0.0010 U	0.00090 U	0.0010 U	0.00097 U	0.00091 U	0.0010 U	0.0011 U	0.0011 U	0.00080 U	0.00095 U	0.0010 U	0.00097 U	0.0017 U	0.00090 U	0.0010 U
1,3-Dichlorobenzene	2.4	0.00090 U	0.00095 U	0.0010 U	0.0010 U	0.0010 U	0.00090 U	0.0010 U	0.00097 U	0.00091 U	0.0010 U	0.0011 U	0.0011 U	0.00080 U	0.00095 U	0.0010 U	0.00097 U	0.0017 U	0.00090 U	0.0010 U
1,4-Dichlorobenzene	1.8	0.00090 U	0.00095 U	0.0010 U	0.0010 U	0.0010 U	0.00090 U	0.0010 U	0.00097 U	0.00091 U	0.0010 U	0.0011 U	0.0011 U	0.00080 U	0.00095 U	0.0010 U	0.00097 U	0.00020 J	0.00090 U	0.0010 U
1,4-Dioxane	0.1	0.045 U	0.048 U	0.052 U	0.050 U	0.052 U	0.045 U	0.051 U	0.048 U	0.046 U	0.050 U	0.054 U	0.054 U	0.040 U	0.048 U	0.050 U	0.049 U	0.083 U	0.045 U	0.051 U
2-Butanone (MEK)	0.12	0.0090 U	0.0095 U	0.010 U	0.010 U	0.010 U	0.0090 U	0.010 U	0.0097 U	0.0091 U	0.010 U	0.011 U	0.011 U	0.0080 U	0.0062 J	0.010 U	0.0097 U	0.017 U	0.0090 U	0.0025 J
2-Hexanone	NA	0.0090 U	0.0095 U	0.010 U	0.010 U	0.010 U	0.0090 U	0.010 U	0.0097 U	0.0091 U	0.010 U	0.011 U	0.011 U	0.0080 U	0.0095 U	0.010 U	0.0097 U	0.017 U	0.0090 U	0.010 U
4-Methyl-2-pentanone	NA	0.0090 U	0.0095 U	0.010 U	0.010 U	0.010 U	0.0090 U	0.010 U	0.0097 U	0.0091 U	0.010 U	0.011 U	0.011 U	0.0080 U	0.0095 U	0.010 U	0.0097 U	0.017 U	0.0090 U	0.010 U
Acetone	0.05	0.0090 U	0.0095 U	0.027 B	0.027 B	0.0086 J B	0.0090 U	0.010 U	0.0045 J	0.015	0.010 U	0.019 B	0.014 B	0.059 B	0.026 B	0.0082 J	0.017 U	0.0090 U	0.032	
Benzene	0.06	0.00090 U	0.00095 U	0.0010 U	0.0023	0.0010 U	0.00090 U	0.0010 U	0.00097 U	0.00091 U	0.0010 U	0.0011 U	0.0011 U	0.00080 U	0.00095 U	0.0010 U	0.00097 U	0.0017 U	0.00090 U	0.0010 U
Bromochloromethane	NA	0.00090 U	0.00095 U	0.0010 U	0.0010 U	0.0010 U	0.00090 U	0.0010 U	0.00097 U	0.00091 U	0.0010 U	0.0011 U	0.0011 U	0.00080 U	0.00095 U	0.0010 U	0.00097 U	0.0017 U	0.00090 U	0.0010 U
Bromodichloromethane	NA	0.00090 U	0.00095 U	0.0010 U	0.0010 U	0.0010 U	0.00090 U	0.0010 U	0.00097 U	0.00091 U	0.0010 U	0.0011 U	0.0011 U	0.00080 U	0.00095 U	0.0010 U	0.00097 U	0.0017 U	0.00090 U	0.0010 U
Bromoform	NA	0.00090 U	0.00095 U	0.0010 U	0.0010 U	0.0010 U	0.00090 U	0.0010 U	0.00097 U	0.00091 U	0.0010 U	0.0011 U	0.0011 U	0.00080 U	0.00095 U	0.0010 U	0.00097 U	0.0017 U	0.00090 U	0.0010 U
Bromomethane	NA	0.00090 U	0.00095 U	0.0010 U	0.0010 U	0.0010 U	0.00090 U	0.0010 U	0.00097 U	0.00091 U	0.0010 U	0.0011 U	0.0011 U	0.00080 U	0.00095 U	0.0010 U	0.00097 U	0.0017 U	0.00090 U	0.0010 U
Carbon disulfide	NA	0.00090 U	0.00095 U	0.00019 J	0.00020 J	0.0010 U	0.00090 U	0.0010 U	0.00097 U	0.0077	0.0010 U	0.0011 U	0.0011 U	0.00080 U	0.00068 J	0.0010 U	0.00030 J	0.0017 U	0.00090 U	0.0069
Carbon tetrachloride	0.76	0.00090 U	0.00095 U	0.0010 U	0.0010 U	0.0010 U	0.00090 U	0.0010 U	0.00097 U	0.00091 U	0.0010 U	0.0011 U	0.0011 U	0.00080 U	0.00095 U	0.0010 U	0.00097 U	0.0017 U	0.00090 U	0.0010 U
Chlorobenzene	1.1	0.00090 U	0.00095 U	0.0010 U	0.0010 U	0.0010 U	0.00090 U	0.0010 U	0.00097 U	0.00091 U	0.0010 U	0.0011 U	0.0011 U	0.00080 U	0.00095 U	0.0010 U	0.00097 U	0.0017 U	0.00090 U	0.0010 U
Chloroethane	NA	0.00090 U	0.00095 U	0.0010 U	0.0010 U	0.0010 U	0.00090 U	0.0010 U	0.00097 U	0.00091 U	0.0010 U	0.0011 U	0.0011 U	0.00080 U	0.00095 U	0.0010 U	0.00097 U	0.0017 U	0.00090 U	0.0010 U
Chloroform	0.37	0.00090 U	0.00095 U	0.0010 U	0.0010 U	0.0010 U	0.00090 U	0.0010 U	0.00097 U	0.00091 U	0.0010 U	0.0011 U	0.0011 U	0.00080 U	0.00095 U	0.0010 U	0.00097 U	0.0017 U	0.00090 U	0.0010 U
Chloromethane	NA	0.00090 U	0.00095 U	0.0010 U	0.0010 U	0.0010 U	0.00090 U	0.0010 U	0.00097 U	0.00091 U	0.0010 U	0.0011 U	0.0011 U	0.00080 U	0.00095 U	0.0010 U	0.00097 U	0.0017 U	0.00090 U	0.0010 U
cis-1,2-Dichloroethene	0.25	0.00090 U	0.00095 U	0.0010 U	0.0010 U	0.0010 U	0.00090 U	0.0010 U	0.00097 U	0.00014 J	0.0010 U	0.0011 U	0.0011 U	0.00080 U	0.00095 U	0.0010 U	0.00097 U	0.0017 U	0.00090 U	0.0010 U
cis-1,3-Dichloropropene	NA	0.00090 U	0.00095 U	0.0010 U	0.0010 U	0.0010 U	0.00090 U	0.0010 U	0.00097 U	0.00091 U	0.0010 U	0.0011 U	0.0011 U	0.00080 U	0.00095 U	0.0010 U	0.00097 U	0.0017 U	0.00090 U	0.0010 U
Cyclohexane	NA	0.00090 U	0.00095 U	0.0010 U	0.0030	0.0010 U	0.00090 U	0.0010 U	0.00097 U	0.00091 U	0.0010 U	0.0011 U	0.0011 U	0.00080 U	0.00095 U	0.0010 U	0.00097 U	0.0017 U	0.00090 U	0.0010 U
Dibromochloromethane	NA	0.00090 U	0.00095 U	0.0010 U	0.0010 U	0.0010 U	0.00090 U	0.0010 U	0.00097 U	0.00091 U	0.0010 U	0.0011 U	0.0011 U	0.00080 U	0.00095 U	0.0010 U	0.00097 U	0.0017 U	0.00090 U	0.0010 U
Dichlorodifluoromethane	NA	0.00090 U	0.00095 U	0.0010 U	0.0010 U	0.0010 U	0.00090 U	0.0010 U	0.00097 U	0.00091 U	0.0010 U	0.0011 U	0.0011 U	0.00080 U	0.00095 U	0.0010 U	0.00097 U	0.0017 U	0.00090 U	0.0010 U
Ethylbenzene	1	0.00090 U	0.00095 U	0.0010 U	0.0010 U	0.0010 U	0.00090 U	0.0010 U	0.00097 U	0.00023 J	0.00091 U	0.0010 U	0.0011 U	0.00080 U	0.00095 U	0.0010 U	0.00097 U	0.0017 U	0.00090 U	0.0010 U
Freon 113	NA	0.00090 U	0.00095 U	0.0010 U	0.0010 U	0.001														

Table 4-31
Soil TCL SVOC Analytical Data
Former Chem Mix Building Area

TCL SVOCs (mg/kg)	NYSDEC Unrestricted SCO	Soil Samples Former Chem Mix Building Area															
		CM-8			CM-27	CM-28	CM-29		CM-30	CM-31	CM-32			CM-33			CM-36
		(0.5-1.0')	(3.0-3.5')	(4.0-4.5')	(0.5-1.0')	(0.5-1.0')	(0.5-1.0')	(2.0-2.5')	(0.5-1.0')	(0.5-1.0')	(0.5-1.0')	(4.0-4.5')	(6.0-6.5')	(0.5-1.0')	(3.0-3.5')	(6.0-6.5')	(0.5-1.0')
1,2,4,5-Tetrachlorobenzene	NA	0.40 U	0.38 U R	0.42 U R	0.36 U R	0.39 U R	0.37 U R	0.37 U R	0.36 U R	0.73 U	0.74 U	0.77 U	0.39 U	0.38 U	0.40 U	0.39 U	0.42 U
1,4-Dioxane	0.1	0.40 U	0.38 U	0.42 U	0.36 U	0.39 U	0.37 U	0.37 U	0.36 U	0.73 U	0.74 U	0.77 U	0.39 U	0.38 U	0.40 U	0.39 U	0.42 U
2,2'-oxybis[1-chloropropane]	NA	0.40 U	0.38 U	0.42 U	0.36 U	0.39 U	0.37 U	0.37 U	0.36 U	0.73 U	0.74 U	0.77 U	0.39 U	0.38 U	0.40 U	0.39 U	0.42 U
2,3,4,6-Tetrachlorophenol	NA	0.40 U	0.38 U	0.42 U	0.36 U	0.39 U	0.37 U	0.37 U	0.36 U	0.73 U	0.74 U	0.77 U	0.39 U	0.38 U R	0.40 U R	0.39 U R	0.42 U
2,4,5-Trichlorophenol	NA	0.40 U	0.38 U	0.42 U	0.36 U	0.39 U	0.37 U	0.37 U	0.36 U	0.73 U	0.74 U	0.77 U	0.39 U	0.38 U	0.40 U	0.39 U	0.42 U
2,4,6-Trichlorophenol	NA	0.40 U	0.38 U	0.42 U	0.36 U	0.39 U	0.37 U	0.37 U	0.36 U	0.73 U	0.74 U	0.77 U	0.39 U	0.38 U	0.40 U	0.39 U	0.42 U
2,4-Dichlorophenol	NA	0.40 U	0.38 U	0.42 U	0.36 U	0.39 U	0.37 U	0.37 U	0.36 U	0.73 U	0.74 U	0.77 U	0.39 U	0.38 U	0.40 U	0.39 U	0.42 U
2,4-Dimethylphenol	NA	0.40 U	0.38 U	0.42 U	0.36 U	0.39 U	0.37 U	0.37 U	0.36 U	0.73 U	0.74 U	0.77 U	0.39 U	0.38 U	0.40 U	0.39 U	0.42 U
2,4-Dinitrophenol	NA	1.2 U	1.2 U	1.3 U	1.1 U	1.2 U	1.1 U	1.1 U	1.1 U	2.2 U	2.3 U	2.3 U	1.2 U	1.1 U	1.2 U	1.2 U	1.3 U
2,4-Dinitrotoluene	NA	0.081 U	0.078 U	0.086 U	0.072 U	0.079 U	0.075 U	0.075 U	0.073 U	0.15 U	0.15 U	0.16 U	0.079 U	0.077 U	0.081 U	0.079 U	0.085 U
2,6-Dinitrotoluene	NA	0.081 U	0.078 U	0.086 U	0.072 U	0.079 U	0.075 U	0.075 U	0.073 U	0.15 U	0.15 U	0.16 U	0.079 U	0.077 U	0.081 U	0.079 U	0.085 U
2-Chloronaphthalene	NA	0.40 U	0.38 U	0.42 U	0.36 U	0.39 U	0.37 U	0.37 U	0.36 U	0.73 U	0.74 U	0.77 U	0.39 U	0.38 U	0.40 U	0.39 U	0.42 U
2-Chlorophenol	NA	0.40 U	0.38 U	0.42 U	0.36 U	0.39 U	0.37 U	0.37 U	0.36 U	0.73 U	0.74 U	0.77 U	0.39 U	0.38 U	0.40 U	0.39 U	0.42 U
2-Methylnaphthalene	NA	0.40 U	0.38 U	0.42 U	0.36 U	0.39 U	0.37 U	0.37 U	0.36 U	0.73 U	0.74 U	0.77 U	0.39 U	0.38 U	0.40 U	0.39 U	0.42 U
2-Methylphenol	0.33	0.40 U	0.38 U	0.42 U	0.36 U	0.39 U	0.37 U	0.37 U	0.36 U	0.73 U	0.74 U	0.77 U	0.39 U	0.38 U	0.40 U	0.39 U	0.42 U
2-Nitroaniline	NA	0.81 U	0.78 U	0.86 U	0.72 U	0.79 U	0.75 U	0.75 U	0.73 U	1.5 U	1.5 U	1.6 U	0.79 U	0.77 U	0.81 U	0.79 U	0.85 U
2-Nitrophenol	NA	0.40 U	0.38 U	0.42 U	0.36 U	0.39 U	0.37 U	0.37 U	0.36 U	0.73 U	0.74 U	0.77 U	0.39 U	0.38 U	0.40 U	0.39 U	0.42 U
3,3'-Dichlorobenzidine	NA	0.81 U	0.78 U	0.86 U	0.72 U	0.79 U	0.75 U	0.75 U	0.73 U	1.5 U	1.5 U	1.6 U	0.79 U	0.77 U	0.81 U	0.79 U	0.85 U
3-Nitroaniline	NA	0.81 U	0.78 U	0.86 U	0.72 U	0.79 U	0.75 U	0.75 U	0.73 U	1.5 U	1.5 U	1.6 U	0.79 U	0.77 U	0.81 U	0.79 U	0.85 U
4,6-Dinitro-2-methylphenol	NA	1.2 U	1.2 U	1.3 U	1.1 U	1.2 U	1.1 U	1.1 U	1.1 U	2.2 U	2.3 U	2.3 U	1.2 U	1.1 U	1.2 U	1.2 U	1.3 U
4-Bromophenyl phenyl ether	NA	0.40 U	0.38 U	0.42 U	0.36 U	0.39 U	0.37 U	0.37 U	0.36 U	0.73 U	0.74 U	0.77 U	0.39 U	0.38 U	0.40 U	0.39 U	0.42 U
4-Chloro-3-methylphenol	NA	0.40 U	0.38 U	0.42 U	0.36 U	0.39 U	0.37 U	0.37 U	0.36 U	0.73 U	0.74 U	0.77 U	0.39 U	0.38 U	0.40 U	0.39 U	0.42 U
4-Chloroaniline	NA	0.40 U	0.38 U	0.42 U	0.36 U	0.39 U	0.37 U	0.37 U	0.36 U	0.73 U	0.74 U	0.77 U	0.39 U	0.38 U	0.40 U	0.39 U	0.42 U
4-Chlorophenyl phenyl ether	NA	0.40 U	0.38 U	0.42 U	0.36 U	0.39 U	0.37 U	0.37 U	0.36 U	0.73 U	0.74 U	0.77 U	0.39 U	0.38 U	0.40 U	0.39 U	0.42 U
4-Methylphenol	0.33	0.40 U	0.38 U	0.42 U	0.36 U	0.39 U	0.37 U	0.37 U	0.36 U	0.73 U	0.74 U	0.77 U	0.39 U	0.38 U	0.40 U	0.39 U	0.42 U
4-Nitroaniline	NA	0.81 U	0.78 U	0.86 U	0.72 U	0.79 U	0.75 U	0.75 U	0.73 U	1.5 U	1.5 U	1.6 U	0.79 U	0.77 U	0.81 U	0.79 U	0.85 U
4-Nitrophenol	NA	1.2 U	1.2 U	1.3 U	1.1 U	1.2 U	1.1 U	1.1 U	1.1 U	2.2 U	2.3 U	2.3 U	1.2 U	1.1 U	1.2 U	1.2 U	1.3 U
Acenaphthene	20	0.40 U	0.17 J	0.42 U	0.36 U	0.39 U	0.076 J	0.37 U	0.36 U	0.73 U	0.74 U	0.77 U	0.39 U	0.38 U	0.40 U	0.39 U	0.42 U
Acenaphthylene	100	0.40 U	0.38 U	0.42 U	0.36 U	0.39 U	0.37 U	0.37 U	0.36 U	0.73 U	0.74 U	0.77 U	0.39 U	0.38 U	0.40 U	0.39 U	0.42 U
Acetophenone	NA	0.40 U	0.38 U	0.42 U	0.36 U	0.39 U	0.37 U	0.37 U	0.36 U	0.73 U	0.74 U	0.77 U	0.39 U	0.38 U	0.40 U	0.39 U	0.42 U
Anthracene	100	0.40 U	0.48	0.26 J	0.36 U	0.058 J	0.27 J	0.052 J	0.36 U	0.14 J	0.74 U	0.24 J	0.39 U	0.050 J	0.40 U	0.39 U	0.42 U
Atrazine	NA	0.40 U	0.38 U	0.42 U	0.36 U	0.39 U	0.37 U	0.37 U	0.36 U	0.73 U	0.74 U	0.77 U	0.39 U	0.38 U	0.40 U	0.39 U	0.42 U
Benzaldehyde	NA	0.40 U	0.38 U	0.42 U	0.36 U	0.39 U	0.37 U	0.37 U	0.36 U	0.73 U	0.74 U	0.77 U	0.39 U	0.38 U	0.40 U	0.39 U	0.42 U
Benzo[a]anthracene	1	0.013 J	0.65	1.7	0.073	0.43	1.4	0.19	0.34	1.0	0.78	1.0	0.039 U	0.62	0.040 U	0.039 U	0.042 U
Benzo[a]pyrene	1	0.040 U	0.60	1.7	0.075	0.40	1.2	0.16	0.32	1.1	0.91	1.2	0.039 U	0.73	0.040 U	0.039 U	0.042 U
Benzo[b]fluoranthene	1	0.040 U	0.61	1.6	0.086	0.56	1.9	0.20	0.40	1.6	1.1	1.3	0.039 U	0.90	0.016 J	0.039 U	0.042 U
Benzo[g,h,i]perylene	100	0.40 U	0.42	1.5	0.061 J	0.27 J	0.69	0.12 J	0.28 J	0.20 J	0.24 J	0.46 J	0.39 U	0.67	0.40 U	0.39 U	0.42 U
Benzo[k]fluoranthene	0.8	0.040 U	0.22	0.60	0.044	0.21	0.71	0.056	0.19	0.66	0.013 J	0.53	0.039 U	0.33	0.040 U	0.039 U	0.042 U
Bis(2-chloroethoxy)methane	NA	0.40 U	0.38 U	0.42 U	0.36 U	0.39 U	0.37 U	0.37 U	0.36 U	0.73 U	0.74 U	0.77 U	0.39 U	0.38 U	0.40 U	0.39 U	0.42 U
Bis(2-chloroethyl)ether	NA	0.040 U	0.038 U	0.042 U	0.036 U	0.039 U	0.037 U	0.037 U	0.036 U	0.073 U	0.074 U	0.077 U	0.039 U	0.038 U	0.040 U	0.039 U	0.042 U
Bis(2-ethylhexyl) phthalate	NA	0.37 J	0.38 U	0.14 J	0.36 U	0.39 U	0.37 U	0.37 U	0.36 U	0.73 U	0.74 U	0.77 U	0.39 U	0.38 U	0.40 U	0.39 U	0.42 U
Butyl benzyl phthalate	NA	0.40 U	0.38 U	0.42 U	0.36 U	0.39 U	0.37 U	0.37 U	0.36 U	0.73 U	0.74 U	0.77 U	0.39 U	0.38 U	0.40 U	0.39 U	0.42 U
Caprolactam	NA	0.40 U	0.38 U	0.42 U	0.36 U	0.39 U	0.37 U	0.37 U	0.36 U	0.73 U	0.74 U	0.77 U	0.39 U	0.38 U	0.40 U	0.39 U	0.42 U
Carbazole	NA	0.40 U	0.38 U	0.42 U	0.36 U	0.39 U	0.17 J	0.37 U	0.36 U	0.73 U	0.74 U	0.77 U	0.39 U	0.38 U	0.40 U	0.39 U	0.42 U
Chrysene	1																

Table 4-32
TAL Metals Soil Analytical Data
Former Chem Mix Building Area

TAL Metals (mg/kg)	NYSDEC Unrestricted SCO	Soil Samples Former Chem Mix Building Area																
		CM-5	CM-7	CM-8			CM-27	CM-28	CM-29		CM-30	CM-31	CM-32			CM-33		
		(0.5-1.0')	(0.5-1.0')	(0.5-1.0')	(3.0-3.5')	(4.0-4.5')	(0.5-1.0')	(0.5-1.0')	(0.5-1.0')	(2.0-2.5')	(0.5-1.0')	(0.5-1.0')	(0.5-1.0')	(4.0-4.5')	(6.0-6.5')	(0.5-1.0')	(3.0-3.5')	(6.0-6.5')
Aluminum	NA	6,150	7,490	8,080	8,240	10,100	2,010	6,680	5,470	8,090	4,530	5,130	4,750	7,670	25,900	5,870	6,680	11,300
Antimony	NA	2.0 U	2.2 U	2.3 U	2.2 U	2.4 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	1.9 U	1.6 U	1.7 U	2.4	2.2 U	2.4 U	2.3 U
Arsenic	13	1.7	1.1 U	1.2 U	1.8	2.5	2.4	2.5	3.8	5.8	2.8	1.7	6.1	3.5	5.8	8.9	3.0	3.5
Barium	350	48.3	64.4	55.1	71.9	72.7	8.2 J	59.9	34.9 J	43.4	35.2 J	32.4 J	57.7	61.7	190	87.9	52.5	62.0
Beryllium	7.2	0.24 J	0.48	0.45 J	0.43 J	0.42 J	0.17 J	0.24 J	0.20 J	0.34 J	0.17 J	0.38 U	0.29 J	0.44	0.26 J	0.25 J	0.26 J	0.55
Cadmium	2.5	1.0 U	1.1 U	1.2 U	1.1 U	1.2 U	1.1 U	0.21 J	1.1 U	0.39 J	1.1 U	0.18 J	0.28 J	0.15 J	0.49 J	1.1 U	1.2 U	1.2 U
Calcium	NA	1,310	503 J	3,400	1,880	5,150	1,630	62,200	58,600	25,700	32,000	30,100	12,800	5,880	4,120	2,990	590 J	561 J
Chromium ¹	30	12.9	49.3	55.1	17.1	25.2	4.4	20.6	13.3	31.3	10.9	9.1	10.3	20.9	85.6	14.1	11.6	17.1
Cobalt	NA	3.0 J	4.5 J	4.2 J	3.1 J	7.6 J	1.6 J	4.2 J	3.0 J	3.9 J	3.3 J	5.1 J	3.7 J	5.2 J	34.7	2.7 J	2.4 J	3.9 J
Copper	50	5.0	6.8	7.7	13.8	9.3	4.8 J	14.6	18.0	15.0	13.7	65.5	44.5	40.1	12.1	15.3	18.7	9.5
Iron	NA	9,830	8,680	11,200	9,400	14,700	4,660	9,840	8,260	12,100	8,070	13,600	10,800	12,800	53,300	13,000	7,410	8,440
Lead	63	6.8	11.4	29.3	13.1	28.1	8.8	24.2	26.6	36.1	26.6	35.1	137	60.2	8.2	833	96.3	51.9
Magnesium	NA	1,370	1,780	1,580	1,460	2,690	973 J	7,340	9,480	15,000	5,110	7,950	6,220	4,230	14,200	1,340	1,280	1,630
Manganese	1,600	744	122	127	149	225	54.4	173	149	179	146	142	273	173	6,820	96.5	45.4	81.2
Nickel	30	7.2 J	10.2	7.8 J	7.9 J	12.2	9.2	9.2	8.7	10.7	8.1 J	9.3	8.4	14.6	31.2	7.0 J	7.9 J	9.7
Potassium	NA	687 J	1,140	1,830	2,040	2,740	195 J	864 J	462 J	788 J	632 J	1,010	405 J	723 J	2,220	523 J	659 J	403 J
Selenium	3.9	2.0 U	2.2 U	2.3 U	2.2 U	2.4 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	1.9 U	1.6 U	1.7 U	1.8 U	2.2 U	2.4 U	2.3 U
Silver	2	2.0 U	2.2 U	2.3 U	2.2 U	2.4 U	2.1 U	6.8	2.1 U	20.9	2.1 U	1.9 U	7.3	26.2	1.8 U	2.2 U	2.4 U	2.3 U
Sodium	NA	1,000 U	1080 U	1,170 U	1,100 U	288 J	1,060 U	1,060 U	1,070 U	1,070 U	1,060 U	290 J	784 U	853 U	891 U	1,090 U	1,200 U	1,160 U
Thallium	NA	2.0 U	2.2 U	2.3 U	2.2 U	2.4 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	1.9 U	1.6 U	1.7 U	8.9 U	2.2 U	2.4 U	2.3 U
Vanadium	NA	12.1	10.5 J	18.3	15.0	20.1	26.3	20.9	21.7	18.8	21.0	28.9	18.7	25.7	66.2	15.2	15.3	20.7
Zinc	109	17.2	27.5	36.2	22.1	45.7	14.8	37.5	36.4	60.4	46.0	49.3	80.8	103	59.0	76.4	112	92.0
Mercury	0.18	0.019 U	0.044	0.11	0.027	0.034	0.023	0.056	0.066	1.0	0.051	0.084	0.31	0.10	0.034	0.11	0.044	0.038

Notes
J : Sample result is greater than the MDL but below the CRDL
U : Indicates analyzed for but not detected.
¹ Trivalent chromium SCOs utilized.
Highlighted / bolded indicates analyte exceeded above its respective NYSDEC Unrestricted SCO.
NA - Not Available



Table 4-32
TAL Metals Soil Analytical Data
Former Chem Mix Building Area

TAL Metals (mg/kg)	NYSDEC Unrestricted SCO	Soil Samples Former Chem Mix Building Area								
		CM-34			CM-35			Bldg-4-SB-6		CM-36
		(1.0-1.5')	(5.0-5.5')	(7.5-8.0')	(2.5-3.0')	(5.0-5.5')	(7.5-8.0')	(4.0-4.5')	(4.5-5.0')	(0.5-1.0')
Aluminum	NA	10,400	10,200	13,800	6,090	8,010	16,900	3,810	5,920	5,290
Antimony	NA	1.6 U	2.1 U	1.8 U	2.1 U	1.9 U	1.7 U	2.1 U	2.3 U	2.5 U
Arsenic	13	5.7	4.2	1.2	21.1	3.1	1.9	2.9	1.3	1.2 U
Barium	350	240	82.2	55.9	117	128	84.5	53.8	15.8 J	18.3 J
Beryllium	7.2	0.42	0.39 J	0.34 J	0.29 J	0.31 J	0.33 J	0.42 U	0.47 U	0.50 U
Cadmium	2.5	0.49 J	1.1 U	0.88 U	0.33 J	0.46 J	0.86 U	1.0 U	1.2 U	1.5
Calcium	NA	2,120	700 J	886	1,870	1,760	862	7,610	312 J	791 J
Chromium ¹	30	17.8	20.1	19.2	12.7	58.6	23.3	10.6	11.8	10.3
Cobalt	NA	4.1 J	4.2 J	4.0 J	3.6 J	4.5 J	4.1 J	2.4 J	2.0 J	4.1 J
Copper	50	22.5	10.6	7.7	22.8	123	7.0	16.8	8.0	10.2
Iron	NA	12,300	17,300	10,600	8,850	11,800	13,500	9,570	8,790	5,950
Lead	63	332	207	11.1	314	291	10.2	153	7.7	4.3
Magnesium	NA	1,960	1,730	2,320	1,160	1,600	2,390	1,070	1,200	1,370
Manganese	1,600	226	130	135	148	547	258	65.4	49.1	45.7
Nickel	30	10	9.3	12.7	9.4	9.6	11.4	3.7 J	5.7 J	6.3 J
Potassium	NA	998	1,070	2,110	459 J	936 J	1,490	617 J	594 J	517 J
Selenium	3.9	1.6 U	2.1 U	1.8 U	2.1 U	1.9 U	1.7 U	2.1 U	2.3 U	2.5 U
Silver	2	1.6 U	0.47 J	0.20 J	0.22 J	0.19 J	1.7 U	0.35 J	2.3 U	0.43 J
Sodium	NA	819 U	1,070 U	877 U	1,030 U	940 U	857 U	1,040 U	1,160 U	1,240 U
Thallium	NA	1.6 U	2.1 U	1.8 U	2.1 U	1.9 U	1.7 U	2.1 U	2.3 U	2.5 U
Vanadium	NA	21.2	21.7	16.8	15.0	18.2	29.2	11.3	10.2 J	9.2 J
Zinc	109	302	84.0	51.5	167	332	46.6	72.1	55.8	23.8
Mercury	0.18	0.23	0.28	0.32	0.24	0.14	0.014 J	0.12	0.057	0.021 U

Notes
J : Sample result is greater than the MDL but below the CRDL
U : Indicates analyzed for but not detected.
¹ Trivalent chromium SCOs utilized.
Highlighted / bolded indicates analyte exceeded above its respective NYSDEC Unrestricted SCO.
NA - Not Available



Table 4-33
TCL VOCs Soil Analytical Data
Former Columbia C1 Building Area

TCL VOCs (mg/kg)	NYSDEC Unrestricted SCO	Soil Samples Former Columbia C1 Building Area																	
		C1-1	C1-2	C1-3			C1-4	C1-5	C1-6	C1-7	C1-8		C1-9	C1-10	C1-11	C1-12			
		(0.5-1.0')	(1.0-1.5')	(1.0-1.5')	(4.0-4.5')	(5.0-5.5')	(0.5-1.0')	(0.5-1.0')	(0.5-1.0')	(0.5-1.0')	(0.5-1.0')	(2.0-2.5')	(4.0-4.5')	(0.5-1.0')	(0.5-1.0')	(0.5-1.0')	(0.5-1.0')	(3.0-3.5')	(4.0-4.5')
1,1,1-Trichloroethane	0.68	0.0011 U	0.0010 U	0.00075 U	0.00094 U	0.00078 U	0.0010 U	0.00097 U	0.00085 U	0.00098 U	0.0012 U	0.00094 U	0.00097 U	0.0011 U	0.00086 U	0.00089 U	0.00095 U	0.00093 U	0.00092 U
1,1,2,2-Tetrachloroethane	NA	0.0011 U	0.0010 U	0.00075 U	0.00094 U	0.00078 U	0.0010 U	0.00097 U	0.00085 U	0.00098 U	0.0012 U	0.00094 U	0.00097 U	0.0011 U	0.00086 U	0.00089 U	0.00095 U	0.00093 U	0.00092 U
1,1,2-Trichloroethane	NA	0.0011 U	0.0010 U	0.00075 U	0.00094 U	0.00078 U	0.0010 U	0.00097 U	0.00085 U	0.00098 U	0.0012 U	0.00094 U	0.00097 U	0.0011 U	0.00086 U	0.00089 U	0.00095 U	0.00093 U	0.00092 U
1,1-Dichloroethane	0.27	0.0011 U	0.0010 U	0.00075 U	0.00094 U	0.00078 U	0.0010 U	0.00097 U	0.00085 U	0.00098 U	0.0012 U	0.00094 U	0.00097 U	0.0011 U	0.00086 U	0.00089 U	0.00095 U	0.00093 U	0.00092 U
1,1-Dichloroethene	0.33	0.0011 U	0.0010 U	0.00075 U	0.00094 U	0.00078 U	0.0010 U	0.00097 U	0.00085 U	0.00098 U	0.0012 U	0.00094 U	0.00097 U	0.0011 U	0.00086 U	0.00089 U	0.00095 U	0.00093 U	0.00092 U
1,2,3-Trichlorobenzene	NA	0.0011 U	0.0010 U	0.00075 U	0.00094 U	0.00078 U	0.0010 U	0.00097 U	0.00085 U	0.00098 U	0.0012 U	0.00094 U	0.00097 U	0.0011 U	0.00086 U	0.00089 U	0.00095 U	0.00093 U	0.00092 U
1,2,4-Trichlorobenzene	NA	0.0011 U	0.0010 U	0.00075 U	0.00094 U	0.00078 U	0.0010 U	0.00097 U	0.00085 U	0.00098 U	0.0012 U	0.00094 U	0.00097 U	0.0011 U	0.00086 U	0.00089 U	0.00095 U	0.00093 U	0.00092 U
1,2-Dibromo-3-Chloropropane	NA	0.0011 U	0.0010 U	0.00075 U	0.00094 U	0.00078 U	0.0010 U	0.00097 U	0.00085 U	0.00098 U	0.0012 U	0.00094 U	0.00097 U	0.0011 U	0.00086 U	0.00089 U	0.00095 U	0.00093 U	0.00092 U
1,2-Dibromoethane	NA	0.0011 U	0.0010 U	0.00075 U	0.00094 U	0.00078 U	0.0010 U	0.00097 U	0.00085 U	0.00098 U	0.0012 U	0.00094 U	0.00097 U	0.0011 U	0.00086 U	0.00089 U	0.00095 U	0.00093 U	0.00092 U
1,2-Dichlorobenzene	1.1	0.0011 U	0.0010 U	0.00075 U	0.00094 U	0.00078 U	0.0010 U	0.00097 U	0.00085 U	0.00098 U	0.0012 U	0.00094 U	0.00097 U	0.0011 U	0.00086 U	0.00089 U	0.00095 U	0.00093 U	0.00092 U
1,2-Dichloroethane	0.02	0.0011 U	0.0010 U	0.00075 U	0.00094 U	0.00078 U	0.0010 U	0.00097 U	0.00085 U	0.00098 U	0.0012 U	0.00094 U	0.00097 U	0.0011 U	0.00086 U	0.00089 U	0.00095 U	0.00093 U	0.00092 U
1,2-Dichloropropane	NA	0.0011 U	0.0010 U	0.00075 U	0.00094 U	0.00078 U	0.0010 U	0.00097 U	0.00085 U	0.00098 U	0.0012 U	0.00094 U	0.00097 U	0.0011 U	0.00086 U	0.00089 U	0.00095 U	0.00093 U	0.00092 U
1,3-Dichlorobenzene	2.4	0.0011 U	0.0010 U	0.00075 U	0.00094 U	0.00078 U	0.0010 U	0.00097 U	0.00085 U	0.00098 U	0.0012 U	0.00094 U	0.00097 U	0.0011 U	0.00086 U	0.00089 U	0.00095 U	0.00093 U	0.00092 U
1,4-Dichlorobenzene	1.8	0.0011 U	0.0010 U	0.00075 U	0.00094 U	0.00078 U	0.0010 U	0.00097 U	0.00085 U	0.00098 U	0.0012 U	0.00094 U	0.00097 U	0.0011 U	0.00086 U	0.00089 U	0.00095 U	0.00093 U	0.00092 U
1,4-Dioxane	0.1	0.054 U	0.051 U	0.038 U	0.047 U	0.039 U	0.052 U	0.049 U	0.042 U	0.049 U	0.059 U	0.047 U	0.049 U	0.057 U	0.043 U	0.044 U	0.048 U	0.046 U	0.046 U
2-Butanone (MEK)	0.12	0.011 U	0.010 U	0.0075 U	0.0094 U	0.0078 U	0.010 U	0.0097 U	0.0085 U	0.0098 U	0.012 U	0.0094 U	0.0097 U	0.011 U	0.0086 U	0.0089 U	0.0095 U	0.0093 U	0.0092 U
2-Hexanone	NA	0.011 U	0.010 U	0.0075 U	0.0094 U	0.0078 U	0.010 U	0.0097 U	0.0085 U	0.0098 U	0.012 U	0.0094 U	0.0097 U	0.011 U	0.0086 U	0.0089 U	0.0095 U	0.0093 U	0.0092 U
4-Methyl-2-pentanone	NA	0.011 U	0.010 U	0.0075 U	0.0094 U	0.0078 U	0.010 U	0.0097 U	0.0085 U	0.0098 U	0.012 U	0.0094 U	0.0097 U	0.011 U	0.0086 U	0.0089 U	0.0095 U	0.0093 U	0.0092 U
Acetone	0.05	0.0020 J	0.0023 J	0.0023 J	0.0037 J	0.0078 U	0.0026 J	0.0027 J	0.0088	0.0072 J	0.011 J	0.0058 J	0.018	0.011	0.0059 J	0.0059 J	0.0096	0.0042 J	0.0092 U
Benzene	0.06	0.0011 U	0.0010 U	0.00075 U	0.00094 U	0.00078 U	0.0010 U	0.00097 U	0.00085 U	0.00098 U	0.0012 U	0.00094 U	0.00097 U	0.0011 U	0.00086 U	0.00089 U	0.00095 U	0.00093 U	0.00092 U
Bromochloromethane	NA	0.0011 U	0.0010 U	0.00075 U	0.00094 U	0.00078 U	0.0010 U	0.00097 U	0.00085 U	0.00098 U	0.0012 U	0.00094 U	0.00097 U	0.0011 U	0.00086 U	0.00089 U	0.00095 U	0.00093 U	0.00092 U
Bromodichloromethane	NA	0.0011 U	0.0010 U	0.00075 U	0.00094 U	0.00078 U	0.0010 U	0.00097 U	0.00085 U	0.00098 U	0.0012 U	0.00094 U	0.00097 U	0.0011 U	0.00086 U	0.00089 U	0.00095 U	0.00093 U	0.00092 U
Bromoform	NA	0.0011 U	0.0010 U	0.00075 U	0.00094 U	0.00078 U	0.0010 U	0.00097 U	0.00085 U	0.00098 U	0.0012 U	0.00094 U	0.00097 U	0.0011 U	0.00086 U	0.00089 U	0.00095 U	0.00093 U	0.00092 U
Bromomethane	NA	0.0011 U	0.0010 U	0.00075 U	0.00094 U	0.00078 U	0.0010 U	0.00097 U	0.00085 U	0.00098 U	0.0012 U	0.00094 U	0.00097 U	0.0011 U	0.00086 U	0.00089 U	0.00095 U	0.00093 U	0.00092 U
Carbon disulfide	NA	0.0011 U	0.0010 U	0.00075 U	0.00094 U	0.00078 U	0.0010 U	0.00097 U	0.00085 U	0.00098 U	0.0012 U	0.00094 U	0.00022 J	0.0011 U	0.00086 U	0.00089 U	0.00095 U	0.00093 U	0.00092 U
Carbon tetrachloride	0.76	0.0011 U R	0.0010 U R	0.00075 U R	0.00094 U R	0.00078 U R	0.0010 U R	0.00097 U R	0.00085 U	0.00098 U	0.0012 U	0.00094 U	0.00097 U	0.0011 U	0.00086 U	0.00089 U	0.00095 U	0.00093 U	0.00092 U
Chlorobenzene	1.1	0.0011 U	0.0010 U	0.00075 U	0.00094 U	0.00078 U	0.0010 U	0.00097 U	0.00085 U	0.00098 U	0.0012 U	0.00094 U	0.00097 U	0.0011 U	0.00086 U	0.00089 U	0.00095 U	0.00093 U	0.00092 U
Chloroethane	NA	0.0011 U	0.0010 U	0.00075 U	0.00094 U	0.00078 U	0.0010 U	0.00097 U	0.00085 U	0.00098 U	0.0012 U	0.00094 U	0.00097 U	0.0011 U	0.00086 U	0.00089 U	0.00095 U	0.00093 U	0.00092 U
Chloroform	0.37	0.0011 U	0.0010 U	0.00075 U	0.00094 U	0.00078 U	0.0010 U	0.00097 U	0.00085 U	0.00098 U	0.0012 U	0.00094 U	0.00097 U	0.0011 U	0.00086 U	0.00089 U	0.00095 U	0.00093 U	0.00092 U
Chloromethane	NA	0.0011 U	0.0010 U	0.00075 U	0.00094 U	0.00078 U	0.0010 U	0.00097 U	0.00085 U	0.00098 U	0.0012 U	0.00094 U	0.00097 U	0.0011 U	0.00086 U	0.00089 U	0.00095 U	0.00093 U	0.00092 U
cis-1,2-Dichloroethene	0.25	0.0011 U	0.0010 U	0.00029 J	0.00046 J	0.00094	0.0010 U	0.00097 U	0.00085 U	0.00098 U	0.0012 U	0.00094 U	0.00097 U	0.0011 U	0.00086 U	0.00089 U	0.00095 U	0.00093 U	0.00092 U
cis-1,3-Dichloropropene	NA	0.0011 U	0.0010 U	0.00075 U	0.00094 U	0.00078 U	0.0010 U	0.00097 U	0.00085 U R	0.00098 U R	0.0012 U R	0.00094 U R	0.00097 U R	0.0011 U R	0.00086 U R	0.00089 U R	0.00095 U R	0.00093 U R	0.00092 U R
Cyclohexane	NA	0.0011 U	0.0010 U	0.00075 U	0.00094 U	0.00078 U	0.0010 U	0.00097 U	0.00085 U	0.00098 U	0.0012 U	0.00094 U	0.00097 U	0.0011 U	0.00086 U	0.00089 U	0.00095 U	0.00093 U	0.00092 U
Dibromochloromethane	NA	0.0011 U	0.0010 U	0.00075 U	0.00094 U	0.00078 U	0.0010 U	0.00097 U	0.00085 U	0.00098 U	0.0012 U	0.00094 U	0.00097 U	0.0011 U	0.00086 U	0.00089 U	0.00095 U	0.00093 U	0.00092 U
Dichlorodifluoromethane	NA	0.0011 U	0.0010 U	0.00075 U	0.00094 U	0.00078 U	0.0010 U	0.00097 U	0.00085 U	0.00098 U	0.0012 U	0.00094 U	0.00097 U	0.0011 U	0.00086 U	0.00089 U	0.00095 U	0.00093 U	0.00092 U
Ethylbenzene	1	0.0011 U	0.0010 U	0.00075 U	0.00094 U	0.00078 U	0.0010 U	0.00097 U	0.00085 U	0.00098 U	0.0012 U	0.00094 U	0.00097 U	0.0011 U	0.00				

Table 4-33
TCL VOCs Soil Analytical Data
Former Columbia C1 Building Area

TCL VOCs (mg/kg)	NYSDEC Unrestricted SCO	Soil Samples Former Columbia C1 Building Area														
		C1-13			C1-14	C1-15	C1-16	C1-17	C1-18	C1-19		C1-19A			C1-20	
		(0.5-1.0')	(2.5-3.0')	(6.5-7.0')	(0.5-1.0')	(0.5-1.0')	(0.5-1.0')	(0.5-1.0')	(0.5-1.0')	(0.5-1.0')	(3.0-3.5')	(4.0-4.5')	(0.5-1.0')	(2.5-3.0')	(5.0-5.5')	(0.5-1.0')
1,1,1-Trichloroethane	0.68	0.00090 U	0.00088 U	0.0010 U	0.00076 U	0.00098 U	0.00093 U	0.00091 U	0.00091 U	0.00084 U	0.00094 U	0.00084 U	0.00092 U	0.00082 U	0.00091 U	0.00090 U
1,1,2,2-Tetrachloroethane	NA	0.00090 U	0.00088 U	0.0010 U	0.00076 U	0.00098 U	0.00093 U	0.00091 U	0.00091 U	0.00084 U	0.00094 U	0.00084 U	0.00092 U	0.00082 U	0.00091 U	0.00090 U
1,1,2-Trichloroethane	NA	0.00090 U	0.00088 U	0.0010 U	0.00076 U	0.00098 U	0.00093 U	0.00091 U	0.00091 U	0.00084 U	0.00094 U	0.00084 U	0.00092 U	0.00082 U	0.00091 U	0.00090 U
1,1-Dichloroethane	0.27	0.00090 U	0.00088 U	0.0010 U	0.00076 U	0.00098 U	0.00093 U	0.00091 U	0.00091 U	0.00084 U	0.00094 U	0.00084 U	0.00092 U	0.00082 U	0.00091 U	0.00090 U
1,1-Dichloroethene	0.33	0.00090 U	0.00088 U	0.0010 U	0.00076 U	0.00098 U	0.00093 U	0.00091 U	0.00091 U	0.00084 U	0.00094 U	0.00084 U	0.00092 U	0.00082 U	0.00091 U	0.00090 U
1,2,3-Trichlorobenzene	NA	0.00090 U	0.00088 U	0.0010 U	0.00076 U	0.00098 U	0.00093 U	0.00091 U	0.00091 U	0.00084 U	0.00094 U	0.00084 U	0.00092 U	0.00082 U	0.00091 U	0.00090 U
1,2,4-Trichlorobenzene	NA	0.00090 U	0.00088 U	0.0010 U	0.00076 U	0.00098 U	0.00093 U	0.00091 U	0.00091 U	0.00084 U	0.00094 U	0.00084 U	0.00092 U	0.00082 U	0.00091 U	0.00090 U
1,2-Dibromo-3-Chloropropane	NA	0.00090 U	0.00088 U	0.0010 U	0.00076 U	0.00098 U	0.00093 U	0.00091 U	0.00091 U	0.00084 U	0.00094 U	0.00084 U	0.00092 U	0.00082 U	0.00091 U	0.00090 U
1,2-Dibromoethane	NA	0.00090 U	0.00088 U	0.0010 U	0.00076 U	0.00098 U	0.00093 U	0.00091 U	0.00091 U	0.00084 U	0.00094 U	0.00084 U	0.00092 U	0.00082 U	0.00091 U	0.00090 U
1,2-Dichlorobenzene	1.1	0.00090 U	0.00088 U	0.0010 U	0.00076 U	0.00098 U	0.00093 U	0.00091 U	0.00091 U	0.00084 U	0.00094 U	0.00084 U	0.00092 U	0.00082 U	0.00091 U	0.00090 U
1,2-Dichloroethane	0.02	0.00090 U	0.00088 U	0.0010 U	0.00076 U	0.00098 U	0.00093 U	0.00091 U	0.00091 U	0.00084 U	0.00034 J	0.00084 U	0.00092 U	0.00082 U	0.00091 U	0.00090 U
1,2-Dichloropropane	NA	0.00090 U	0.00088 U	0.0010 U	0.00076 U	0.00098 U	0.00093 U	0.00091 U	0.00091 U	0.00084 U	0.00094 U	0.00084 U	0.00092 U	0.00082 U	0.00091 U	0.00090 U
1,3-Dichlorobenzene	2.4	0.00090 U	0.00088 U	0.0010 U	0.00076 U	0.00098 U	0.00093 U	0.00091 U	0.00091 U	0.00084 U	0.00094 U	0.00084 U	0.00092 U	0.00082 U	0.00091 U	0.00090 U
1,4-Dichlorobenzene	1.8	0.00090 U	0.00088 U	0.0010 U	0.00076 U	0.00098 U	0.00093 U	0.00091 U	0.00091 U	0.00084 U	0.00094 U	0.00084 U	0.00092 U	0.00082 U	0.00091 U	0.00090 U
1,4-Dioxane	0.1	0.045 U	0.044 U	0.051 U	0.038 U	0.049 U	0.047 U	0.045 U	0.045 U	0.042 U	0.047 U	0.042 U	0.046 U	0.041 U	0.045 U	0.045 U
2-Butanone (MEK)	0.12	0.0090 U	0.0088 U	0.010 U	0.0076 U	0.0098 U	0.0093 U	0.0091 U	0.0091 U	0.0084 U	0.0094 U	0.0084 U	0.0092 U	0.0082 U	0.0091 U	0.0090 U
2-Hexanone	NA	0.0090 U	0.0088 U	0.010 U	0.0076 U	0.0098 U	0.0093 U	0.0091 U	0.0091 U	0.0084 U	0.0094 U	0.0084 U	0.0092 U	0.0082 U	0.0091 U	0.0090 U
4-Methyl-2-pentanone	NA	0.0090 U	0.0088 U	0.010 U	0.0076 U	0.0098 U	0.0093 U	0.0091 U	0.0091 U	0.0084 U	0.0094 U	0.0084 U	0.0092 U	0.0082 U	0.0091 U	0.0090 U
Acetone	0.05	0.012 B	0.0088 U	0.010 U	0.011 B	0.0098 U	0.0093 U	0.0091 U	0.0091 U	0.0060 J B	0.0058 J B	0.0051 J B	0.0092 U	0.0060 J B	0.0075 J B	0.0090 U
Benzene	0.06	0.00090 U	0.00088 U	0.0010 U	0.00076 U	0.00098 U	0.00093 U	0.00091 U	0.00091 U	0.00084 U	0.00094 U	0.00084 U	0.00092 U	0.00082 U	0.00091 U	0.00090 U
Bromochloromethane	NA	0.00090 U	0.00088 U	0.0010 U	0.00076 U	0.00098 U	0.00093 U	0.00091 U	0.00091 U	0.00084 U	0.00094 U	0.00084 U	0.00092 U	0.00082 U	0.00091 U	0.00090 U
Bromodichloromethane	NA	0.00090 U	0.00088 U	0.0010 U	0.00076 U	0.00098 U	0.00093 U	0.00091 U	0.00091 U	0.00084 U	0.00094 U	0.00084 U	0.00092 U	0.00082 U	0.00091 U	0.00090 U
Bromoform	NA	0.00090 U	0.00088 U	0.0010 U	0.00076 U	0.00098 U	0.00093 U	0.00091 U	0.00091 U	0.00084 U	0.00094 U	0.00084 U	0.00092 U	0.00082 U	0.00091 U	0.00090 U
Bromomethane	NA	0.00090 U	0.00088 U	0.0010 U	0.00076 U	0.00098 U	0.00093 U	0.00091 U	0.00091 U	0.00084 U	0.00094 U	0.00084 U	0.00092 U	0.00082 U	0.00091 U	0.00090 U
Carbon disulfide	NA	0.00090 U	0.00088 U	0.0010 U	0.00076 U	0.00098 U	0.00014 J	0.00021 J	0.00091 U	0.00084 U	0.00094 U	0.00084 U	0.00092 U	0.00082 U	0.00091 U	0.00090 U
Carbon tetrachloride	0.76	0.00090 U	0.00088 U	0.0010 U	0.00076 U	0.00098 U R	0.00093 U R	0.00091 U R	0.00091 U R	0.00084 U	0.00094 U	0.00084 U	0.00092 U	0.00082 U	0.00091 U	0.00090 U R
Chlorobenzene	1.1	0.00090 U	0.00088 U	0.0010 U	0.00076 U	0.00098 U	0.00093 U	0.00091 U	0.00091 U	0.00084 U	0.00094 U	0.00084 U	0.00092 U	0.00082 U	0.00091 U	0.00090 U
Chloroethane	NA	0.00090 U	0.00088 U	0.0010 U	0.00076 U	0.00098 U	0.00093 U	0.00091 U	0.00091 U	0.00084 U	0.00094 U	0.00084 U	0.00092 U	0.00082 U	0.00091 U	0.00090 U
Chloroform	0.37	0.00090 U	0.00088 U	0.0010 U	0.00076 U	0.00098 U	0.00093 U	0.00091 U	0.00091 U	0.00084 U	0.00094 U	0.00084 U	0.00092 U	0.00082 U	0.00091 U	0.00090 U
Chloromethane	NA	0.00090 U	0.00088 U	0.0010 U	0.00076 U	0.00098 U	0.00093 U	0.00091 U	0.00091 U	0.00084 U	0.00094 U	0.00084 U	0.00092 U	0.00082 U	0.00091 U	0.00090 U
cis-1,2-Dichloroethene	0.25	0.00090 U	0.00088 U	0.0010 U	0.00076 U	0.00098 U	0.00093 U	0.00091 U	0.00091 U	0.00084 U	0.00094 U	0.00084 U	0.00092 U	0.00082 U	0.00091 U	0.00090 U
cis-1,3-Dichloropropene	NA	0.00090 U	0.00088 U	0.0010 U	0.00076 U R	0.00098 U	0.00093 U	0.00091 U	0.00091 U	0.00084 U R	0.00094 U R	0.00084 U R	0.00092 U	0.00082 U	0.00091 U	0.00090 U
Cyclohexane	NA	0.00090 U	0.00088 U	0.0010 U	0.00076 U	0.00098 U	0.00093 U	0.00091 U	0.00091 U	0.00084 U	0.00094 U	0.00084 U	0.00092 U	0.00082 U	0.00091 U	0.00090 U
Dibromochloromethane	NA	0.00090 U	0.00088 U	0.0010 U	0.00076 U	0.00098 U	0.00093 U	0.00091 U	0.00091 U	0.00084 U	0.00094 U	0.00084 U	0.00092 U	0.00082 U	0.00091 U	0.00090 U
Dichlorodifluoromethane	NA	0.00090 U	0.00088 U	0.0010 U	0.00076 U	0.00098 U	0.00093 U	0.00091 U	0.00091 U	0.00084 U	0.00094 U	0.00084 U	0.00092 U	0.00082 U	0.00091 U	0.00090 U
Ethylbenzene	1	0.00090 U	0.00088 U	0.0010 U	0.00076 U	0.00098 U	0.00093 U	0.00091 U	0.00091 U	0.00084 U	0.00094 U	0.00084 U	0.00092 U	0.00082 U	0.00091 U	0.00090 U
Freon 113	NA	0.00090 U	0.00088 U	0.0010 U	0.00076 U	0.00098 U	0.00093 U	0.00091 U	0.00091 U	0.00084 U	0.00094 U	0.00084 U	0.00092 U	0.00082 U	0.00091 U	0.00090 U
Isopropylbenzene	NA	0.00090 U	0.00088 U	0.0010 U	0.00076 U	0.00098 U	0.00093 U	0.00091 U	0.00091 U	0.00084 U	0.00094 U	0.00084 U	0.00092 U	0.00082 U	0.00091 U	0.00090 U
m&p-Xylene	0.26	0.0018 U	0.0018 U	0.0020 U	0.0015 U	0.0020 U	0.0019 U	0.0018 U	0.0018 U	0.0017 U	0.0019 U	0.0017 U	0.0018 U	0.0016 U	0.0018 U	0.0018 U
Methyl acetate	NA	0.00090 U	0.00088 U	0.0010 U	0.00076 U	0.00098 U	0.00093 U	0.00091 U	0.00091 U	0.00084 U	0.00094 U	0.00084 U	0.00092 U	0.00082 U	0.00091 U	0.00090 U
Methylcyclohexane	NA	0.00090 U	0.00088 U	0.0010 U	0.00076 U	0.00098 U	0.0009									

Notes
J : Indicates an estimated value.
J B : The analyte was found in an associated blank, as well as in the sample.
J N : Indicates an estimated value.
U : Analyzed for but not detected.
U R: Indicates that value is rejected based upon DUSR review by third party data validator.
Total xylenes SCO utilized for all isomers
Highlighted / bolded indicates analyte exceeded above its respective NYSDEC Unrestricted SCO.
NA - Not Available

Table 4-34
Soil TCL SVOC Analytical Data
Former Columbia C1 Building Area

TCL SVOCs (mg/kg)	NYSDEC Unrestricted SCO	Soil Samples Former Columbia C1 Building Area																	
		C1-1	C1-2		C1-3		C1-4	C1-5	C1-6	C1-7		C1-8		C1-9	C1-10	C1-11		C1-12	
		(0.5-1.0')	(1.0-1.5')	(1.0-1.5')	(4.0-4.5')	(5.0-5.5')	(0.5-1.0')	(0.5-1.0')	(0.5-1.0')	(0.5-1.0')	(0.5-1.0')	(2.0-2.5')	(4.0-4.5')	(0.5-1.0')	(0.5-1.0')	(0.5-1.0')	(0.5-1.0')	(3.0-3.5')	(4.0-4.5')
1,2,4,5-Tetrachlorobenzene	NA	0.40 U	0.37 U	0.74 U R	0.37 U	0.38 U	0.45 U R	0.34 U R	0.34 U	0.37 U	0.35 U	0.35 U	0.38 U	0.35 U	0.35 U	0.35 U	0.37 U	0.36 U	0.37 U
1,4-Dioxane	0.1	0.40 U	0.37 U	0.74 U	0.37 U	0.38 U	0.45 U	0.34 U	0.34 U	0.37 U	0.35 U	0.35 U	0.38 U	0.35 U	0.35 U	0.35 U	0.37 U	0.36 U	0.37 U
2,2'-oxybis[1-chloropropane]	NA	0.40 U	0.37 U	0.74 U	0.37 U	0.38 U	0.45 U	0.34 U	0.34 U	0.37 U	0.35 U	0.35 U	0.38 U	0.35 U	0.35 U	0.35 U	0.37 U	0.36 U	0.37 U
2,3,4,6-Tetrachlorophenol	NA	0.40 U	0.37 U	0.74 U R	0.37 U	0.38 U	0.45 U R	0.34 U R	0.34 U	0.37 U	0.35 U	0.35 U	0.38 U	0.35 U	0.35 U	0.35 U	0.37 U	0.36 U	0.37 U
2,4,5-Trichlorophenol	NA	0.40 U	0.37 U	0.74 U	0.37 U	0.38 U	0.45 U	0.34 U	0.34 U	0.37 U	0.35 U	0.35 U	0.38 U	0.35 U	0.35 U	0.35 U	0.37 U	0.36 U	0.37 U
2,4,6-Trichlorophenol	NA	0.40 U	0.37 U	0.74 U	0.37 U	0.38 U	0.45 U	0.34 U	0.34 U	0.37 U	0.35 U	0.35 U	0.38 U	0.35 U	0.35 U	0.35 U	0.37 U	0.36 U	0.37 U
2,4-Dichlorophenol	NA	0.40 U	0.37 U	0.74 U	0.37 U	0.38 U	0.45 U	0.34 U	0.34 U	0.37 U	0.35 U	0.35 U	0.38 U	0.35 U	0.35 U	0.35 U	0.37 U	0.36 U	0.37 U
2,4-Dimethylphenol	NA	0.40 U	0.37 U	0.74 U	0.37 U	0.38 U	0.45 U	0.34 U	1.0 U	1.1 U	1.1 U	1.0 U	1.1 U	1.0 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
2,4-Dinitrophenol	NA	1.2 U	1.1 U	2.2 U	1.1 U	1.2 U	1.4 U	1.0 U	0.070 U	0.074 U	0.071 U	0.070 U	0.077 U	0.070 U	0.071 U	0.072 U	0.076 U	0.072 U	0.075 U
2,4-Dinitrotoluene	NA	0.081 U	0.076 U	0.15 U	0.075 U	0.077 U	0.091 U	0.069 U	0.070 U	0.074 U	0.071 U	0.070 U	0.077 U	0.070 U	0.071 U	0.072 U	0.076 U	0.072 U	0.075 U
2,6-Dinitrotoluene	NA	0.081 U	0.076 U	0.15 U	0.075 U	0.077 U	0.091 U	0.069 U	0.34 U	0.37 U	0.35 U	0.35 U	0.38 U	0.35 U	0.35 U	0.35 U	0.37 U	0.36 U	0.37 U
2-Chloronaphthalene	NA	0.40 U	0.37 U	0.74 U	0.37 U	0.38 U	0.45 U	0.34 U	0.34 U	0.37 U	0.35 U	0.35 U	0.38 U	0.35 U	0.35 U	0.35 U	0.37 U	0.36 U	0.37 U
2-Chlorophenol	NA	0.40 U	0.37 U	0.74 U	0.37 U	0.38 U	0.45 U	0.34 U	0.34 U	0.37 U	0.35 U	0.35 U	0.38 U	0.35 U	0.35 U	0.35 U	0.37 U	0.36 U	0.37 U
2-Methylnaphthalene	NA	0.40 U	0.37 U	0.74 U	0.37 U	0.38 U	0.45 U	0.34 U	0.34 U	0.37 U	0.35 U	0.35 U	0.38 U	0.35 U	0.35 U	0.35 U	0.37 U	0.36 U	0.37 U
2-Methylphenol	0.33	0.40 U	0.37 U	0.74 U	0.37 U	0.38 U	0.45 U	0.34 U	0.34 U	0.37 U	0.35 U	0.35 U	0.38 U	0.35 U	0.35 U	0.35 U	0.37 U	0.36 U	0.37 U
2-Nitroaniline	NA	0.81 U	0.76 U	1.5 U	0.75 U	0.77 U	0.91 U	0.69 U	0.70 U	0.74 U	0.71 U	0.70 U	0.77 U	0.70 U	0.71 U	0.72 U	0.76 U	0.72 U	0.75 U
2-Nitrophenol	NA	0.40 U	0.37 U	0.74 U	0.37 U	0.38 U	0.45 U	0.34 U	0.34 U	0.37 U	0.35 U	0.35 U	0.38 U	0.35 U	0.35 U	0.35 U	0.37 U	0.36 U	0.37 U
3,3'-Dichlorobenzidine	NA	0.81 U	0.76 U	1.5 U	0.75 U	0.77 U	0.91 U	0.69 U	0.70 U	0.74 U	0.71 U	0.70 U	0.77 U	0.70 U	0.71 U	0.72 U	0.76 U	0.72 U	0.75 U
3-Nitroaniline	NA	0.81 U	0.76 U	1.5 U	0.75 U	0.77 U	0.91 U	0.69 U	0.70 U	0.74 U	0.71 U	0.70 U	0.77 U	0.70 U	0.71 U	0.72 U	0.76 U	0.72 U	0.75 U
4,6-Dinitro-2-methylphenol	NA	1.2 U	1.1 U	2.2 U	1.1 U	1.2 U	1.4 U	1.0 U	1.0 U	1.1 U	1.1 U	1.0 U	1.1 U	1.0 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
4-Bromophenyl phenyl ether	NA	0.40 U	0.37 U	0.74 U	0.37 U	0.38 U	0.45 U	0.34 U	0.34 U	0.37 U	0.35 U	0.35 U	0.38 U	0.35 U	0.35 U	0.35 U	0.37 U	0.36 U	0.37 U
4-Chloro-3-methylphenol	NA	0.40 U	0.37 U	0.74 U	0.37 U	0.38 U	0.45 U	0.34 U	0.34 U	0.37 U	0.35 U	0.35 U	0.38 U	0.35 U	0.35 U	0.35 U	0.37 U	0.36 U	0.37 U
4-Chloroaniline	NA	0.40 U	0.37 U	0.74 U	0.37 U	0.38 U	0.45 U	0.34 U	0.34 U	0.37 U	0.35 U	0.35 U	0.38 U	0.35 U	0.35 U	0.35 U	0.37 U	0.36 U	0.37 U
4-Chlorophenyl phenyl ether	NA	0.40 U	0.37 U	0.74 U	0.37 U	0.38 U	0.45 U	0.34 U	0.34 U	0.37 U	0.35 U	0.35 U	0.38 U	0.35 U	0.35 U	0.35 U	0.37 U	0.36 U	0.37 U
4-Methylphenol	0.33	0.40 U	0.37 U	0.74 U	0.37 U	0.38 U	0.45 U	0.34 U	0.34 U	0.37 U	0.35 U	0.35 U	0.38 U	0.35 U	0.35 U	0.35 U	0.37 U	0.36 U	0.37 U
4-Nitroaniline	NA	0.81 U	0.76 U	1.5 U	0.75 U	0.77 U	0.91 U	0.69 U	0.70 U	0.74 U	0.71 U	0.70 U	0.77 U	0.70 U	0.71 U	0.72 U	0.76 U	0.72 U	0.75 U
4-Nitrophenol	NA	1.2 U	1.1 U	2.2 U	1.1 U	1.2 U	1.4 U	1.0 U	1.0 U	1.1 U	1.1 U	1.0 U	1.1 U	1.0 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Acenaphthene	20	0.40 U	0.37 U	0.74 U	0.37 U	0.38 U	0.45 U	0.34 U	0.34 U	0.37 U	0.35 U	0.35 U	0.38 U	0.35 U	0.35 U	0.35 U	0.37 U	0.36 U	0.37 U
Acenaphthylene	100	0.40 U	0.37 U	0.74 U	0.37 U	0.38 U	0.45 U	0.34 U	0.34 U	0.37 U	0.35 U	0.35 U	0.38 U	0.35 U	0.35 U	0.35 U	0.37 U	0.36 U	0.37 U
Acetophenone	NA	0.40 U	0.37 U	0.74 U	0.37 U	0.38 U	0.45 U	0.34 U	0.34 U	0.37 U	0.35 U	0.35 U	0.38 U	0.35 U	0.35 U	0.35 U	0.37 U	0.36 U	0.37 U
Anthracene	100	0.40 U	0.37 U	0.74 U	0.37 U	0.38 U	0.45 U	0.34 U	0.34 U	0.37 U	0.35 U	0.35 U	0.38 U	0.35 U	0.35 U	0.35 U	0.37 U	0.36 U	0.37 U
Atrazine	NA	0.40 U	0.37 U	0.74 U	0.37 U	0.38 U	0.45 U	0.34 U	0.34 U	0.37 U	0.35 U	0.35 U	0.38 U	0.35 U	0.35 U	0.35 U	0.37 U	0.36 U	0.37 U
Benzaldehyde	NA	0.40 U	0.37 U	0.74 U	0.37 U	0.38 U	0.45 U	0.34 U	0.34 U	0.37 U	0.35 U	0.35 U	0.38 U	0.35 U	0.35 U	0.35 U	0.37 U	0.36 U	0.37 U
Benzo[a]anthracene	1	0.040 U	0.037 U	0.12	0.037 U	0.038 U	0.045 U	0.020 J	0.079	0.037 U	0.022 J	0.021 J	0.038 U	0.024 J	0.035 U	0.016 J	0.037 U	0.036 U	0.013 J
Benzo[a]pyrene	1	0.040 U	0.037 U	0.12	0.037 U	0.038 U	0.045 U	0.017 J	0.076	0.037 U	0.013 J	0.016 J	0.038 U	0.020 J	0.011 J	0.012 J	0.037 U	0.0088 J	0.0096 J
Benzo[b]fluoranthene	1	0.040 U	0.037 U	0.15	0.037 U	0.038 U	0.045 U	0.018 J	0.089	0.037 U	0.022 J	0.030 J	0.038 U	0.021 J	0.013 J	0.012 J	0.037 U	0.014 J	0.0081 J
Benzo[g,h,i]perylene	100	0.40 U	0.37 U	0.11 J	0.37 U	0.38 U	0.45 U	0.34 U	0.058 J	0.37 U	0.35 U	0.35 U	0.38 U	0.35 U	0.35 U	0.35 U	0.37 U	0.36 U	0.37 U
Benzo[k]fluoranthene	0.8	0.040 U	0.037 U	0.070 J	0.037 U	0.038 U	0.045 U	0.013 J	0.039	0.037 U	0.0089 J	0.010 J	0.038 U	0.010 J	0.035 U	0.035 U	0.037 U	0.036 U	0.037 U
Bis(2-chloroethoxy)methane	NA	0.40 U	0.37 U	0.74 U	0.37 U	0.38 U	0.45 U	0.34 U	0.34 U	0.37 U	0.35 U	0.35 U	0.38 U	0.35 U	0.35 U	0.35 U	0.37 U	0.36 U	0.37 U
Bis(2-chloroethyl)ether	NA	0.040 U	0.037 U	0.074 U	0.037 U	0.038 U	0.045 U	0.034 U	0.034 U	0.037 U	0.035 U	0.035 U	0.038 U	0.035 U	0.035 U	0.035 U	0.037 U	0.036 U	0.037 U
Bis(2-ethylhexyl) phthalate	NA	0.40 U	0.37 U	0.74 U	0.37 U	0.38 U	0.45 U	0.34 U	0.34 U	0.37 U	0.35 U	0.35 U	0.38 U	0.35 U	0.35 U	0.35 U	0.37 U	0.36 U	0.37 U
Butyl benzyl phthalate	NA	0.40 U	0.37 U	0.74 U	0.37 U	0.38 U	0.45 U	0.34 U	0.34 U	0.37 U	0.35 U	0.35 U	0.38 U	0.35 U	0.35 U	0.35 U	0.37 U	0.36 U	0.37 U
Caprolactam	NA	0.40 U	0.37 U	0.74 U	0.37 U	0.38 U	0.45 U	0.34 U	0.34 U	0.37 U	0.35 U	0.35 U	0.38 U	0.35 U	0.35 U	0.35 U	0.37 U	0.36 U	0.37 U
Carbazole	NA	0.40 U	0.37 U	0.74 U	0.37 U	0.38 U	0.45 U	0.34 U	0.34 U	0.37 U	0.35 U	0.35 U	0.38 U	0.35 U	0.35 U	0.35 U	0.37 U	0.36 U	0.37 U
Chrysene	1	0.40 U	0.37 U	0.13 J	0.37 U	0.38 U	0.45 U	0.34 U	0.076 J	0.37 U	0.35 U	0.35 U	0.38 U	0.35 U	0.35 U	0.35 U	0.37 U	0.36 U	0.37 U
Dibenz(a,h)anthracene	0.33	0.040 U	0.037 U	0.022 J	0.037 U	0.038 U	0.045 U	0.034 U	0.015 J	0.037 U	0.035 U	0.035 U	0.038 U	0.035 U	0.035 U	0.035 U	0.037 U	0.036 U	0.037 U
Dibenzofuran	7	0.40 U	0.37 U	0.74 U	0.37 U	0.38 U	0.45 U	0.34 U	0.34 U	0.37 U	0.35 U	0.35 U	0.38 U	0.35 U	0.35 U	0.35 U	0.37 U	0.36 U	0.37 U
Diethyl phthalate	NA	0.40 U	0.37 U	0.74 U	0.37 U	0.38 U	0.45 U	0.34 U	0.34 U	0.37 U	0.35 U	0.35 U	0.38 U	0.35 U	0.35 U	0.35 U	0.37 U	0.36 U	0.37 U
Dimethyl phthalate	NA	0.40 U	0.37 U	0.74 U	0.37 U	0.38 U	0.45 U	0.34 U	0.34 U	0.37 U	0.35 U	0.35 U	0.38 U	0.35 U	0.35 U	0.35 U	0.37 U	0.36 U	0.37 U
Di-n-butyl phthalate	NA	0.40 U	0.37 U	0.74 U	0.37 U	0.38 U	0.45 U	0.34 U	0.34 U	0.37 U	0.35 U	0.35 U	0.38 U	0.35 U	0.35 U	0.35 U	0.37 U	0.36 U	0.37 U
Di-n-octyl phthalate	NA	0.40 U	0.37 U	0.74 U	0.37 U	0.38 U	0.45 U	0.34 U	0.34 U	0.37 U	0.35 U	0.35 U	0.38 U	0.35 U	0.35 U	0.35 U	0.37 U	0.36 U	0.37 U
Diphenyl	NA	0.40 U	0.37 U	0.74 U	0.37 U	0.38 U	0.45 U	0.34 U	0.34 U	0.37 U	0.35 U	0.35 U	0.38 U	0.35 U	0.35 U	0.35 U	0.37 U	0.36 U	0.37 U
Fluoranthene	100	0.40 U	0.37 U	0.22 J	0.37 U	0.38 U	0.45 U	0.34 U	0.12 J	0.37 U	0.35 U	0.35 U	0.38 U	0.35 U	0.35 U	0.35 U	0.37 U	0.36 U	0.37 U
Fluorene	30	0.40 U	0.37 U	0.74 U	0.37 U	0.38 U	0.45 U	0.34 U	0.34 U	0.37 U	0.35 U	0.35 U	0.38 U	0.35 U	0.35 U	0.35 U	0.37 U	0.36 U	0.37 U
Hexachlorobenzene	0.33	0.040 U	0.037 U	0.074 U	0.037 U	0.038 U	0.045 U	0.034 U	0.034 U	0.037 U	0.035 U	0.035 U	0.038 U	0.035 U	0.035 U	0.035 U	0.037 U	0.036 U	0.037 U
Hexachlorobutadiene	NA	0.081 U	0.076 U	0.15 U	0.075 U	0.077 U	0.091 U	0.069 U	0.070 U	0.074 U	0.071 U	0.070 U	0.077 U	0.070 U	0.071 U	0.072 U	0.076 U	0.072 U	0.075 U
Hexachlorocyclopentadiene	NA	0.40 U	0.37 U	0.74 U	0.37 U	0.38 U	0.45 U	0.34 U	0.34 U	0.37 U	0.35 U	0.35 U	0.38 U	0.35 U	0.35 U	0.35 U	0.37 U	0.36 U	0.37 U
Hexachloroethane	NA	0.040 U	0.037 U	0															

Table 4-34
Soil TCL SVOC Analytical Data
Former Columbia C1 Building Area

TCL SVOCs (mg/kg)	NYSDEC Unrestricted SCO	Soil Samples Former Columbia C1 Building Area														
		C1-13			C1-14	C1-15	C1-16	C1-17	C1-18	C1-19		C1-19A			C1-20	
		(0.5-1.0')	(2.5-3.0')	(6.5-7.0')	(0.5-1.0')	(0.5-1.0')	(0.5-1.0')	(0.5-1.0')	(0.5-1.0')	(0.5-1.0')	(3.0-3.5')	(4.0-4.5')	(0.5-1.0')	(2.5-3.0')	(5.0-5.5')	(0.5-1.0')
1,2,4,5-Tetrachlorobenzene	NA	0.36 U	0.35 U	0.40 U	0.35 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.35 U	0.36 U	0.36 U	0.36 U	0.41 U	0.36 U R
1,4-Dioxane	0.1	0.36 U	0.35 U	0.40 U	0.35 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.35 U	0.36 U	0.36 U	0.36 U	0.41 U	0.36 U
2,2'-oxybis[1-chloropropane]	NA	0.36 U	0.35 U	0.40 U	0.35 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.35 U	0.36 U	0.36 U	0.36 U	0.41 U	0.36 U
2,3,4,6-Tetrachlorophenol	NA	0.36 U	0.35 U	0.40 U	0.35 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.35 U	0.36 U	0.36 U	0.36 U	0.41 U	0.36 U
2,4,5-Trichlorophenol	NA	0.36 U	0.35 U	0.40 U	0.35 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.35 U	0.36 U	0.36 U	0.36 U	0.41 U	0.36 U
2,4,6-Trichlorophenol	NA	0.36 U	0.35 U	0.40 U	0.35 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.35 U	0.36 U	0.36 U	0.36 U	0.41 U	0.36 U
2,4-Dichlorophenol	NA	0.36 U	0.35 U	0.40 U	0.35 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.35 U	0.36 U	0.36 U	0.36 U	0.41 U	0.36 U
2,4-Dimethylphenol	NA	1.1 U	1.1 U	1.2 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	0.36 U	0.35 U	0.36 U	0.36 U	0.36 U	0.41 U	0.36 U
2,4-Dinitrophenol	NA	0.073 U	0.071 U	0.080 U	0.071 U	0.073 U	0.073 U	0.072 U	0.072 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.2 U	1.1 U
2,4-Dinitrotoluene	NA	0.073 U	0.071 U	0.080 U	0.071 U	0.073 U	0.073 U	0.072 U	0.072 U	0.072 U	0.074 U	0.074 U	0.074 U	0.073 U	0.083 U	0.072 U
2,6-Dinitrotoluene	NA	0.36 U	0.35 U	0.40 U	0.35 U	0.36 U	0.36 U	0.36 U	0.36 U	0.072 U	0.072 U	0.074 U	0.074 U	0.074 U	0.083 U	0.072 U
2-Chloronaphthalene	NA	0.36 U	0.35 U	0.40 U	0.35 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.35 U	0.36 U	0.36 U	0.36 U	0.41 U	0.36 U
2-Chlorophenol	NA	0.36 U	0.35 U	0.40 U	0.35 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.35 U	0.36 U	0.36 U	0.36 U	0.41 U	0.36 U
2-Methylnaphthalene	NA	0.36 U	0.35 U	0.40 U	0.35 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.35 U	0.36 U	0.36 U	0.36 U	0.41 U	0.36 U
2-Methylphenol	0.33	0.36 U	0.35 U	0.40 U	0.35 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.35 U	0.36 U	0.36 U	0.36 U	0.41 U	0.36 U
2-Nitroaniline	NA	0.73 U	0.71 U	0.80 U	0.71 U	0.73 U	0.73 U	0.72 U	0.72 U	0.72 U	0.72 U	0.74 U	0.74 U	0.73 U	0.83 U	0.72 U
2-Nitrophenol	NA	0.36 U	0.35 U	0.40 U	0.35 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.35 U	0.36 U	0.36 U	0.36 U	0.41 U	0.36 U
3,3'-Dichlorobenzidine	NA	0.73 U	0.71 U	0.80 U	0.71 U	0.73 U	0.73 U	0.72 U	0.72 U	0.72 U	0.72 U	0.74 U	0.74 U	0.73 U	0.83 U	0.72 U
3-Nitroaniline	NA	0.73 U	0.71 U	0.80 U	0.71 U	0.73 U	0.73 U	0.72 U	0.72 U	0.72 U	0.72 U	0.74 U	0.74 U	0.73 U	0.83 U	0.72 U
4,6-Dinitro-2-methylphenol	NA	1.1 U	1.1 U	1.2 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.2 U	1.1 U
4-Bromophenyl phenyl ether	NA	0.36 U	0.35 U	0.40 U	0.35 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.35 U	0.36 U	0.36 U	0.36 U	0.41 U	0.36 U
4-Chloro-3-methylphenol	NA	0.36 U	0.35 U	0.40 U	0.35 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.35 U	0.36 U	0.36 U	0.36 U	0.41 U	0.36 U
4-Chloroaniline	NA	0.36 U	0.35 U	0.40 U	0.35 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.35 U	0.36 U	0.36 U	0.36 U	0.41 U	0.36 U
4-Chlorophenyl phenyl ether	NA	0.36 U	0.35 U	0.40 U	0.35 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.35 U	0.36 U	0.36 U	0.36 U	0.41 U	0.36 U
4-Methylphenol	0.33	0.36 U	0.35 U	0.40 U	0.35 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.35 U	0.36 U	0.36 U	0.36 U	0.41 U	0.36 U
4-Nitroaniline	NA	0.73 U	0.71 U	0.80 U	0.71 U	0.73 U	0.73 U	0.72 U	0.72 U	0.72 U	0.72 U	0.74 U	0.74 U	0.73 U	0.83 U	0.72 U
4-Nitrophenol	NA	1.1 U	1.1 U	1.2 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.2 U	1.1 U
Acenaphthene	20	0.36 U	0.35 U	0.40 U	0.35 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.35 U	0.36 U	0.36 U	0.36 U	0.41 U	0.36 U
Acenaphthylene	100	0.36 U	0.35 U	0.40 U	0.35 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.35 U	0.36 U	0.36 U	0.36 U	0.41 U	0.36 U
Acetophenone	NA	0.36 U	0.35 U	0.40 U	0.35 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.35 U	0.36 U	0.36 U	0.36 U	0.41 U	0.36 U
Anthracene	100	0.36 U	0.35 U	0.40 U	0.35 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.35 U	0.36 U	0.36 U	0.36 U	0.41 U	0.36 U
Atrazine	NA	0.36 U	0.35 U	0.40 U	0.35 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.35 U	0.36 U	0.36 U	0.36 U	0.41 U	0.36 U
Benzaldehyde	NA	0.36 U	0.35 U	0.40 U	0.35 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.35 U	0.36 U	0.36 U	0.36 U	0.41 U	0.36 U
Benzo[a]anthracene	1	0.036 U	0.019 J	0.043	0.021 J	0.036 U	0.059	0.036 U	0.036 U	0.036 U	0.035 U	0.036 U	0.036 U	0.036 U	0.034 J	0.036 U
Benzo[a]pyrene	1	0.036 U	0.019 J	0.044	0.019 J	0.036 U	0.10	0.036 U	0.036 U	0.036 U	0.035 U	0.036 U	0.036 U	0.048	0.041 U	0.036 U
Benzo[b]fluoranthene	1	0.036 U	0.014 J	0.055	0.025 J	0.036 U	0.11	0.036 U	0.036 U	0.036 U	0.035 U	0.036 U	0.036 U	0.042	0.041 U	0.036 U
Benzo[g,h,i]perylene	100	0.36 U	0.35 U	0.40 U	0.35 U	0.36 U	0.069 J	0.36 U	0.36 U	0.36 U	0.35 U	0.36 U	0.36 U	0.36 U	0.41 U	0.36 U
Benzo[k]fluoranthene	0.8	0.036 U	0.035 U	0.028 J	0.035 U	0.036 U	0.050	0.036 U	0.036 U	0.036 U	0.035 U	0.036 U	0.036 U	0.017 J	0.041 U	0.036 U
Bis(2-chloroethoxy)methane	NA	0.36 U	0.35 U	0.40 U	0.35 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.35 U	0.36 U	0.36 U	0.36 U	0.41 U	0.36 U
Bis(2-chloroethyl)ether	NA	0.036 U	0.035 U	0.040 U	0.035 U	0.036 U	0.036 U	0.036 U	0.036 U	0.036 U	0.035 U	0.036 U	0.036 U	0.036 U	0.041 U	0.036 U
Bis(2-ethylhexyl) phthalate	NA	0.36 U	0.35 U	0.40 U	0.35 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.35 U	0.36 U	0.36 U	0.36 U	0.41 U	0.36 U
Butyl benzyl phthalate	NA	0.36 U	0.35 U	0.40 U	0.35 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.35 U	0.36 U	0.36 U	0.36 U	0.41 U	0.36 U
Caprolactam	NA	0.36 U	0.35 U	0.40 U	0.35 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.35 U	0.36 U	0.36 U	0.36 U	0.41 U	0.36 U
Carbazole	NA	0.36 U	0.35 U	0.40 U	0.35 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.35 U	0.36 U	0.36 U	0.36 U	0.41 U	0.36 U
Chrysene	1	0.36 U	0.35 U	0.40 U	0.35 U	0.36 U	0.071 J	0.36 U	0.36 U	0.36 U	0.35 U	0.36 U	0.36 U	0.36 U	0.41 U	0.36 U
Dibenz(a,h)anthracene																

Table 4-35
TAL Metals Soil Analytical Data
Former Columbia C1 Building Area

TAL Metals (mg/kg)	NYSDEC Unrestricted SCO	Soil Samples Former Columbia C1 Building Area																	
		C1-1	C1-2	C1-3			C1-4	C1-5	C1-6	C1-7	C1-8		C1-9	C1-10	C1-11	C1-12			
		(0.5-1.0')	(1.0-1.5')	(1.0-1.5')	(4.0-4.5')	(5.0-5.5')	(0.5-1.0')	(0.5-1.0')	(0.5-1.0')	(0.5-1.0')	(0.5-1.0')	(2.0-2.5')	(4.0-4.5')	(0.5-1.0')	(0.5-1.0')	(0.5-1.0')	(0.5-1.0')	(3.0-3.5')	(4.0-4.5')
Aluminum	NA	6,060	6,310	2,620	1,650	2,960	16,100	1,340	2,760	9,120	5,790	2,700	1,890	2,310	2,560	5,510	4,630	4,560	5,320
Antimony	NA	2.2 U	2.1 U	2.2 U	2.0 U	2.3 U	12.5 U	2.0 U	1.9 U	2.2 U	2.1 U	2.1 U	2.3 U	2.0 U	2.1 U	2.1 U	2.1 U	2.1 U	2.2 U
Arsenic	13	2.0	4.3	1.5	1.1	1.1 U	16.3	1.0 U	1.6	2.8	2.2	1.1	1.1	1.0 U	1.5	2.3	1.8	2.0	1.8
Barium	350	28.2 J	36.0 J	11.3 J	8.2 J	24.2 J	106 J	11.9 J	23.0 J	42.0 J	38.9 J	19.8 J	20.4 J	21.1 J	20.2 J	36.5 J	30.4 J	32.6 J	36.1 J
Beryllium	7.2	0.21 J	0.19 J	0.45 U	0.39 U	0.46 U	0.72 J	0.40 U	0.38 U	0.50	0.30 J	0.20 J	0.46 U	0.40 U	0.18 J	0.31 J	0.27 J	0.27 J	0.27 J
Cadmium	2.5	1.1 U	1.1 U	1.1 U	0.98 U	1.1 U	3.1 U	1.0 U	0.96 U	1.1 U	1.0 U	1.0 U	1.1 U	1.0 U	1.0 U	1.0 U	1.1 U	1.0 U	1.1 U
Calcium	NA	910 J	1,350	680 J	528 J	330 J	2,550 J	628 J	2,600	1,030 J	832 J	1,480	7,240	470 J	1,230	1,490	3,940	612 J	6,520
Chromium ¹	30	11.4	13.5	5.2	5.9	6.0	37.6	3.3	6.6	16.9	11.0	5.7	8.5	5.9	9.9	11.1	10.1	9.1	13.6
Cobalt	NA	4.1 J	4.6 J	2.1 J	1.9 J	3.2 J	25.0 J	1.3 J	2.7 J	6.2 J	3.9 J	2.2 J	1.8 J	2.1 J	2.1 J	4.2 J	3.6 J	4.0 J	4.0 J
Copper	50	5.3 J	7.7	3.8 J	2.2 J	3.6 J	22.2	2.6 J	7.8	11.0	6.9	4.7 J	4.5 J	3.3 J	7.2	8.8	6.5	8.3	8.5
Iron	NA	9,420	10,900	5,390	3,320	5,690	118,000	3,440	6,340	14,400	9,960	5,800	9,100	5,920	6,560	10,200	8,880	8,530	9,690
Lead	63	5.2	21.6	6.0	2.0	2.4	15.1	7.8	28.7	16.9	18.5	16.7	10.9	24.1	80.6	17.9	6.9	20.6	16.5
Magnesium	NA	1,440	1,660	573 J	416 J	742 J	1,430 J	527 J	998	2,610	1,570	1,090	3,910	602 J	992 J	1,600	1,380	1,340	1,800
Manganese	1,600	217	192	125	136	712	5,310	79	144	221	221	133	145	128	121	291	167	177	180
Nickel	30	7.0 J	12.9	3.2 J	2.5 J	4.3 J	13.7 J	2.9 J	5.5 J	12.3	7.7 J	5.0 J	4.1 J	3.8 J	6.6 J	7.8 J	6.4 J	6.5 J	7.8 J
Potassium	NA	646 J	514 J	193 J	142 J	372 J	507 J	254 J	420 J	1,320	818 J	377 J	323 J	350 J	302 J	795 J	605 J	629 J	782 J
Selenium	3.9	2.2 U	2.1 U	2.2 U	2.0 U	2.3 U	6.3 U	2.0 U	1.9 U	2.2 U	2.1 U	2.1 U	2.3 U	2.0 U	2.1 U	2.1 U	2.1 U	2.1 U	2.2 U
Silver	2	2.2 U	2.1 U	2.2 U	2.0 U	2.3 U	6.3 U	2.0 U	0.41 J	2.2 U	2.1 U	2.1 U	2.3 U	2.0 U	2.1 U	2.1 U	2.1 U	2.1 U	2.2 U
Sodium	NA	1,110 U	1,070 U	1,120 U	976 U	1,140 U	3,140 U	998 U	959 U	192 J	1,040 U	1,040 U	1,150 U	1,000 U	1,030 U	1,030 U	1,060 U	1,030 U	1,080 U
Thallium	NA	2.2 U	2.1 U	2.2 U	2.0 U	2.3 U	12.5 U	2.0 U	1.9 U	2.2 U	2.1 U	2.1 U	2.3 U	2.0 U	2.1 U	2.1 U	2.1 U	2.1 U	2.2 U
Vanadium	NA	13.0	14.3	6.1 J	3.6 J	7.1 J	35.9	3.7 J	7.3 J	21.2	13.9	7.0 J	6.2 J	6.5 J	7.8 J	14.1	12.2	11.9	13.4
Zinc	109	19.4	24.5	89.4	40.7	13.4	31.9	9.9	19.4	40.8	30.3	19.3	357	22.8	29.4	28.2	18.0	26.8	26.0
Mercury	0.18	0.019 U	0.025	0.017 U	0.016 U	0.019 U	0.088	0.016	0.015 J	0.019 U	0.022	0.020	0.017 J	0.014 J	0.018 U	0.018 U	0.019 U	0.018 U	0.018 U

Notes
J : Sample result is greater than the MDL but below the CRDL
U : Indicates analyzed for but not detected.
¹ Trivalent chromium SCOs utilized.
Highlighted / bolded indicates analyte exceeded above its respective NYSDEC Unrestricted SCO.
NA - Not Available



Table 4-35
TAL Metals Soil Analytical Data
Former Columbia C1 Building Area

TAL Metals (mg/kg)	NYSDEC Unrestricted SCO	Soil Samples Former Columbia C1 Building Area													
		C1-13			C1-14	C1-15	C1-16	C1-17	C1-18	C1-19			C1-19A		
		(0.5-1.0')	(2.5-3.0')	(6.5-7.0')	(0.5-1.0')	(0.5-1.0')	(0.5-1.0')	(0.5-1.0')	(0.5-1.0')	(0.5-1.0')	(3.0-3.5')	(4.0-4.5')	(0.5-1.0')	(2.5-3.0')	(5.0-5.5')
Aluminum	NA	5,260	3,260	12,100	2,970	4,290	5,680	4,980	4,890	3,800	4,450	4,120	4,260	5,350	2,480
Antimony	NA	2.1 U	2.0 U	2.4 U	1.9 U	2.0 U	2.2 U	2.1 U	2.0 U	2.1 U	2.1 U	2.0 U	2.0 U	2.0 U	2.2 U
Arsenic	13	1.6	1.2	4.4	1.1	2.7	2.9	1.9	1.7	1.5	1.9	1.4	1.8	1.2	2.0
Barium	350	26.5 J	25.8 J	110	22.5 J	27.4 J	38.3 J	31.8 J	28.9 J	23.9 J	38.0 J	31.3 J	25.4 J	28.6 J	19.5 J
Beryllium	7.2	0.27 J	0.23 J	0.70	0.17 J	0.23 J	0.34 J	0.26 J	0.23 J	0.17 J	0.18 J	0.15 J	0.17 J	0.22 J	0.44 U
Cadmium	2.5	1.0 U	1.0 U	1.2 U	0.97 U	0.99 U	0.24 J	1.1 U	1.0 U	1.1 U	1.0 U	0.99 U	1.0 U	1.0 U	1.1 U
Calcium	NA	969 J	1,170	2,460	2,540	5,030	2,410	2,250	9,120	1,530	817 J	930 J	1,860	841 J	599 J
Chromium ¹	30	9.6	7.3	17.6	8.3	8.3	10.9	10.2	9.7	7.5	10.7	8.7	8.4	9.5	5.5
Cobalt	NA	4.0 J	2.6 J	6.4 J	2.5 J	4.6 J	4.4 J	3.8 J	4.7 J	2.8 J	3.7 J	3.3 J	3.2 J	3.1 J	2.2 J
Copper	50	7.7	7.8	10.1	5.7	6.6	8.7	7.3	7.2	6.2	10.3	5.5	6.4	6.2	4.6 J
Iron	NA	8,580	6,520	16,700	5,850	7,730	13,400	8,730	8,400	6,880	8,940	7,580	7,680	7,840	5,300
Lead	63	10.2	45.6	25.3	30.8	16.8	22.9	18.5	10.9	25.4	114	16.2	19.8	18.2	21.9
Magnesium	NA	1,330	1,260	2,040	936 J	1,160	1,430	1,400	1,470	1,050 J	1,130	1,130	1,190	1,200	763 J
Manganese	1,600	153	146	914	104	150	187	111	168	128	161	208	140	96.1	162
Nickel	30	7.4 J	5.0 J	12.7	4.5 J	6.2 J	9.1	6.7 J	6.7 J	5.4 J	6.4 J	5.6 J	5.6 J	5.6 J	4.5 J
Potassium	NA	596 J	441 J	445 J	424 J	687 J	915 J	775 J	788 J	545 J	594 J	649 J	712 J	648 J	418 J
Selenium	3.9	2.1 U	2.0 U	2.4 U	1.9 U	2.0 U	2.2 U	2.1 U	2.0 U	2.1 U	2.1 U	2.0 U	2.0 U	2.0 U	2.2 U
Silver	2	2.1 U	2.0 U	2.4 U	1.9 U	2.0 U	2.2 U	2.1 U	2.0 U	2.1 U	2.1 U	2.0 U	2.0 U	2.0 U	2.2 U
Sodium	NA	1,050 U	1,000 U	1,190 U	971 U	994 U	1,090 U	1,060 U	1,020 U	1,070 U	1,030 U	985 U	1,010 U	1,000 U	1,110 U
Thallium	NA	2.1 U	2.0 U	2.4 U	1.9 U	2.0 U	2.2 U	2.1 U	2.0 U	2.1 U	2.1 U	2.0 U	2.0 U	2.0 U	2.2 U
Vanadium	NA	12.0	8.3 J	20.9	8.6 J	10.8	14.7	12.8	12.0	9.0 J	11.7	10.4	10.5	12.5	6.5 J
Zinc	109	22.1	27.5	45.7	21.8	21.9	33.4	26.6	22.3	26.4	65.9	21.0	28.0	26.9	18.9
Mercury	0.18	0.021	0.023	0.034	0.017 J	0.018	0.022	0.032	0.020	0.029	0.034	0.019 U	0.026	0.033	0.024

Notes
J : Sample result is greater than the MDL but below the CRDL
U : Indicates analyzed for but not detected.
¹ Trivalent chromium SCOs utilized.
Highlighted / bolded indicates analyte exceeded above its respective NYSDEC Unrestricted SCO.
NA - Not Available



Table 4-36
TCL VOCs Soil Analytical Data
Former Columbia C1a Building and South Alleyway Areas

TCL VOCs (mg/kg)	NYSDEC Unrestricted SCO	Soil Samples Former Columbia C1a Building and South Alleyway Areas														
		C1-21			C1-22			C1-23			C1-24			C1-25		
		(0.5-1.0')	(2.5-3.0')	(5.0-5.5')	(0.5-1.0')	(3.0-3.5')	(4.0-4.5')	(0.5-1.0')	(2.0-2.5')	(4.0-4.5')	(0.5-1.0')	(2.5-3.0')	(4.0-4.5')	(0.5-1.0')	(3.0-3.5')	(4.5-5.0')
1,1,1-Trichloroethane	0.68	0.050 U	0.0011 U	0.058 U	0.0012 U	0.00096 U	0.00093 U	0.00091 U	0.0013 U	0.0010 U	0.0010 U	0.0010 U	0.00088 U	0.0012	0.00075 J	0.00037 J
1,1,2,2-Tetrachloroethane	NA	0.050 U R	0.0011 U	0.058 U	0.0012 U	0.00096 U	0.00093 U	0.00091 U	0.0013 U	0.0010 U	0.0010 U	0.0010 U	0.00088 U	0.0010 U	0.00086 U	0.0012 U
1,1,2-Trichloroethane	NA	0.050 U	0.0011 U	0.058 U	0.0012 U	0.00096 U	0.00093 U	0.00091 U	0.0013 U	0.0010 U	0.0010 U	0.0010 U	0.00088 U	0.0010 U	0.00086 U	0.0012 U
1,1-Dichloroethane	0.27	0.050 U	0.0011 U	0.058 U	0.0012 U	0.00096 U	0.00093 U	0.00091 U	0.0013 U	0.0010 U	0.0010 U	0.0010 U	0.00088 U	0.0010 U	0.00086 U	0.0012 U
1,1-Dichloroethene	0.33	0.050 U	0.0011 U	0.058 U	0.0012 U	0.00096 U	0.00093 U	0.00091 U	0.0013 U	0.0010 U	0.0010 U	0.0010 U	0.00088 U	0.0010 U	0.00086 U	0.0012 U
1,2,3-Trichlorobenzene	NA	0.050 U	0.0011 U	0.058 U	0.0012 U	0.00096 U	0.00093 U	0.00091 U	0.0013 U	0.0010 U	0.0010 U	0.0010 U	0.00088 U	0.0010 U	0.00086 U	0.0012 U
1,2,4-Trichlorobenzene	NA	0.050 U	0.0011 U	0.058 U	0.0012 U	0.00096 U	0.00093 U	0.00091 U	0.0013 U	0.0010 U	0.0010 U	0.0010 U	0.00088 U	0.0010 U	0.00086 U	0.0012 U
1,2-Dibromo-3-Chloropropane	NA	0.050 U	0.0011 U	0.058 U	0.0012 U	0.00096 U	0.00093 U	0.00091 U	0.0013 U	0.0010 U	0.0010 U	0.0010 U	0.00088 U	0.0010 U	0.00086 U	0.0012 U
1,2-Dibromoethane	NA	0.050 U	0.0011 U	0.058 U	0.0012 U	0.00096 U	0.00093 U	0.00091 U	0.0013 U	0.0010 U	0.0010 U	0.0010 U	0.00088 U	0.0010 U	0.00086 U	0.0012 U
1,2-Dichlorobenzene	1.1	0.050 U	0.0011 U	0.058 U	0.0012 U	0.00096 U	0.00093 U	0.00091 U	0.0013 U	0.0010 U	0.0010 U	0.0010 U	0.00088 U	0.0010 U	0.00086 U	0.0012 U
1,2-Dichloroethane	0.02	0.050 U	0.0011 U	0.058 U	0.0012 U	0.00096 U	0.00093 U	0.00091 U	0.0013 U	0.0010 U	0.0010 U	0.0010 U	0.00088 U	0.0010 U	0.00086 U	0.0012 U
1,2-Dichloropropane	NA	0.050 U	0.0011 U	0.058 U	0.0012 U	0.00096 U	0.00093 U	0.00091 U	0.0013 U	0.0010 U	0.0010 U	0.0010 U	0.00088 U	0.0010 U	0.00086 U	0.0012 U
1,3-Dichlorobenzene	2.4	0.050 U	0.0011 U	0.058 U	0.0012 U	0.00096 U	0.00093 U	0.00091 U	0.0013 U	0.0010 U	0.0010 U	0.0010 U	0.00088 U	0.0010 U	0.00086 U	0.0012 U
1,4-Dichlorobenzene	1.8	0.050 U	0.0011 U	0.058 U	0.0012 U	0.00096 U	0.00093 U	0.00091 U	0.0013 U	0.0010 U	0.0010 U	0.0010 U	0.00088 U	0.0010 U	0.00086 U	0.0012 U
1,4-Dioxane	0.1	2.5 U	0.056 U	2.9 U	0.058 U	0.048 U	0.046 U	0.045 U	0.066 U	0.051 U	0.051 U	0.050 U	0.044 U	0.051 U	0.043 U	0.062 U
2-Butanone (MEK)	0.12	0.25 U	0.011 U	0.29 U	0.012 U	0.0059 J	0.0088 J	0.0096	0.013	0.0055 J	0.010 U	0.0049 J	0.010	0.010 U	0.0086 U	0.012 U
2-Hexanone	NA	0.25 U	0.011 U	0.29 U	0.012 U	0.0096 U	0.0093 U	0.0091 U	0.013 U	0.010 U	0.010 U	0.010 U	0.0088 U	0.010 U	0.0086 U	0.012 U
4-Methyl-2-pentanone	NA	0.25 U	0.011 U	0.29 U	0.012 U	0.0096 U	0.0093 U	0.0091 U	0.013 U	0.010 U	0.010 U	0.010 U	0.0088 U	0.010 U	0.0086 U	0.012 U
Acetone	0.05	0.25 U	0.0060 J B	0.29 U	0.0042 J B	0.030 B	0.044 B	0.073	0.084	0.062	0.0063 J	0.0021 J	0.029 B	0.010 U	0.0086 U	0.0027 J
Benzene	0.06	0.050 U	0.0011 U	0.058 U	0.0012 U	0.00096 U	0.00093 U	0.00091 U	0.0013 U	0.0010 U	0.0010 U	0.0010 U	0.00088 U	0.0010 U	0.00086 U	0.0012 U
Bromochloromethane	NA	0.050 U	0.0011 U	0.058 U	0.0012 U	0.00096 U	0.00093 U	0.00091 U	0.0013 U	0.0010 U	0.0010 U	0.0010 U	0.00088 U	0.0010 U	0.00086 U	0.0012 U
Bromodichloromethane	NA	0.050 U	0.0011 U	0.058 U	0.0012 U	0.00096 U	0.00093 U	0.00091 U	0.0013 U	0.0010 U	0.0010 U	0.0010 U	0.00088 U	0.0010 U	0.00086 U	0.0012 U
Bromoform	NA	0.050 U	0.0011 U	0.058 U	0.0012 U	0.00096 U	0.00093 U	0.00091 U	0.0013 U	0.0010 U	0.0010 U	0.0010 U	0.00088 U	0.0010 U	0.00086 U	0.0012 U
Bromomethane	NA	0.050 U	0.0011 U	0.058 U	0.0012 U	0.00096 U	0.00093 U	0.00091 U	0.0013 U	0.0010 U	0.0010 U	0.0010 U	0.00088 U	0.0010 U	0.00086 U	0.0012 U
Carbon disulfide	NA	0.050 U	0.0011 U	0.058 U	0.0012 U	0.00096 U	0.00036 J	0.00087 J	0.00050 J	0.00073 J	0.0010 U	0.0010 U	0.0010	0.0010 U	0.00086 U	0.0012 U
Carbon tetrachloride	0.76	0.050 U	0.0011 U	0.058 U	0.0012 U	0.00096 U	0.00093 U	0.00091 U	0.0013 U	0.0010 U	0.0010 U	0.0010 U	0.00088 U	0.0010 U	0.00086 U	0.0012 U
Chlorobenzene	1.1	0.050 U	0.0011 U	0.058 U	0.0012 U	0.00096 U	0.00093 U	0.00091 U	0.0013 U	0.0010 U	0.0010 U	0.0010 U	0.00088 U	0.0010 U	0.00086 U	0.0012 U
Chloroethane	NA	0.050 U	0.0011 U	0.058 U	0.0012 U	0.00096 U	0.00093 U	0.00091 U	0.0013 U	0.0010 U	0.0010 U	0.0010 U	0.00088 U	0.0010 U	0.00086 U	0.0012 U
Chloroform	0.37	0.050 U	0.0011 U	0.058 U	0.0012 U	0.00096 U	0.00093 U	0.00091 U	0.0013 U	0.0010 U	0.0010 U	0.0010 U	0.00088 U	0.0010 U	0.00086 U	0.0012 U
Chloromethane	NA	0.050 U	0.0011 U	0.058 U	0.0012 U	0.00096 U	0.00093 U	0.00091 U	0.0013 U	0.0010 U	0.0010 U	0.0010 U	0.00088 U	0.0010 U	0.00086 U	0.0012 U
cis-1,2-Dichloroethene	0.25	0.015 J	0.0044	0.058 U	0.0012 U	0.00054 J	0.0017	0.00091 U	0.0013 U	0.0010 U	0.0010 U	0.0022	0.00088 U	0.0010 U	0.00086 U	0.00019 J
cis-1,3-Dichloropropene	NA	0.050 U	0.0011 U	0.058 U	0.0012 U	0.00096 U	0.00093 U	0.00091 U	0.0013 U	0.0010 U	0.0010 U	0.0010 U	0.00088 U	0.0010 U	0.00086 U	0.0012 U
Cyclohexane	NA	0.050 U	0.0011 U	0.058 U	0.0012 U	0.00096 U	0.00093 U	0.00091 U	0.0013 U	0.0010 U	0.0010 U	0.0010 U	0.00088 U	0.0010 U	0.00086 U	0.0012 U
Dibromochloromethane	NA	0.050 U	0.0011 U	0.058 U	0.0012 U	0.00096 U	0.00093 U	0.00091 U	0.0013 U	0.0010 U	0.0010 U	0.0010 U	0.00088 U	0.0010 U	0.00086 U	0.0012 U
Dichlorodifluoromethane	NA	0.050 U	0.0011 U	0.058 U	0.0012 U	0.00096 U	0.00093 U	0.00091 U	0.0013 U	0.0010 U	0.0010 U	0.0010 U	0.00088 U	0.0010 U	0.00086 U	0.0012 U
Ethylbenzene	1	0.073	0.0011 U	0.025 J	0.0012 U	0.00096 U	0.00093 U	0.00091 U	0.0013 U	0.0010 U	0.0010 U	0.0010 U	0.00088 U	0.0010 U	0.00086 U	0.0012 U
Freon 113	NA	0.050 U	0.0011 U	0.058 U	0.0012 U	0.00096 U	0.00093 U	0.00091 U	0.0013 U	0.0010 U	0.0010 U	0.0010 U	0.00088 U	0.0010 U	0.00086 U	0.0012 U
Isopropylbenzene	NA	0.23	0.0011 U	0.055 J	0.0012 U	0.00096 U	0.00093 U	0.00091 U	0.0013 U	0.0010 U	0.0010 U	0.0010 U	0.00088 U	0.0010 U	0.00086 U	0.0012 U
m&p-Xylene	0.26	1.0	0.0022 U	0.35	0.0023 U	0.0019 U	0.0019 U	0.0018 U	0.0026 U	0.0020 U	0.0020 U	0.0020 U	0.0018 U	0.0020 U	0.0017 U	0.0025 U
Methyl acetate	NA	0.10 U	0.0011 U	0.12 U	0.0012 U	0.00096 U	0.00093 U	0.00091 U	0.0013 U	0.0010 U	0.0010 U	0.0010 U	0.00088 U	0.0010 U	0.00086 U	0.0012 U
Methylcyclohexane	NA	0.25	0.0011 U	0.050 J	0.0012 U	0.00096 U	0.0016 J	0.00091 U	0.0013 U	0.0010 U	0.0010 U	0.0010 U	0.00088 U	0.0010 U	0.00086 U	0.0012 U
Methylene Chloride	0.05	0.050 U	0.00029 J	0.058 U	0.00019 J	0.00096 U	0.00093 U	0.00091 U	0.0013 U	0.0010 U	0.00026 J	0.0010 U	0.00088 U	0.0010 U	0.00086 U	0.0012 U
MTBE	0.93	0.050 U	0.0011 U	0.058 U	0.0012 U	0.00096 U	0.00093 U	0.00091 U	0.0013 U	0.0010 U	0.0010 U	0.0010 U	0.00088 U	0.0010 U	0.00086 U	0.0012 U
o-Xylene	0.26	0.071	0.0011 U	0.038 J	0.0012 U	0.00096 U	0.00093 U	0.00091 U	0.038	0.0029	0.0010 U	0.0010 U	0.00067 J	0.00053 J	0.0018	0.00096 J
Styrene	NA	0.80	0.0011 U	0.26	0.0012 U	0.00096 U	0.00093 U	0.00091 U	0.0013 U	0.0010 U	0.0010 U	0.0010 U	0.00088 U	0.0010 U	0.00086 U	0.0012 U
Tetrachloroethene	1.3	0.050 U	0.0011 U	0.058 U	0.0012 U	0.00096 U	0.00093 U	0.00091 U	0.0013 U	0.0010 U	0.0010 U	0.0010 U	0.00088 U	0.0010 U	0.00086 U	0.0012 U
Toluene	0.7	2.5	0.065	0.95	0.0032	0.00096 U	0.00052 J	0.00091 U	0.0013 U	0.0010 U	0.00087 J	0.00042 J	0.00088 U	0.		

Notes
J : Indicates an estimated value.
J B : The analyte was found in an associated blank, as well as in the sample.
J N : Indicates an estimated value.
U : Analyzed for but not detected.
U R: Indicates that value is rejected based upon DUSR review by third party data validator.
Total xylenes SCO utilized for all isomers
Highlighted / bolded indicates analyte exceeded above its respective NYSDEC Unrestricted SCO.
NA - Not Available



Table 4-36
TCL VOCs Soil Analytical Data
Former Columbia C1a Building and South Alleyway Areas

TCL VOCs (mg/kg)	NYSDEC Unrestricted SCO	Soil Samples Former Columbia C1a Building and South Alleyway Areas											
		C1-26			C1-27			C1-28			C1-29		
		(0.5-1.0')	(5.0-5.5')	(6.5'-7.0')	(0.5-1.0')	(4.0-4.5')	(7.0-7.5')	(0.5-1.0')	(4.5-5.0')	(7.0-7.5')	(0.5-1.0')	(2.0-2.5')	(6.5-7.0')
1,1,1-Trichloroethane	0.68	0.0010 U	0.0013 U	0.00097 U	0.0010 U	0.00087 U	0.0011 U	0.0011 U	0.0012 U	0.0010 U	0.00090 U	0.0018 U	0.0042 U
1,1,2,2-Tetrachloroethane	NA	0.0010 U	0.0013 U	0.00097 U	0.0010 U	0.00087 U	0.0011 U	0.0011 U	0.0012 U	0.0010 U	0.00090 U	0.0018 U	0.0042 U
1,1,2-Trichloroethane	NA	0.0010 U	0.0013 U	0.00097 U	0.0010 U	0.00087 U	0.0011 U	0.0011 U	0.0012 U	0.0010 U	0.00090 U	0.0018 U	0.0042 U
1,1-Dichloroethane	0.27	0.0010 U	0.0013 U	0.00097 U	0.0010 U	0.00087 U	0.0011 U	0.0011 U	0.0012 U	0.0010 U	0.00090 U	0.0018 U	0.0042 U
1,1-Dichloroethene	0.33	0.0010 U	0.0013 U	0.00097 U	0.0010 U	0.00087 U	0.0011 U	0.0011 U	0.0012 U	0.0010 U	0.00090 U	0.0018 U	0.0042 U
1,2,3-Trichlorobenzene	NA	0.0010 U	0.0013 U	0.00097 U	0.0010 U	0.00087 U	0.0011 U	0.0011 U	0.0012 U	0.0010 U	0.00090 U	0.0018 U	0.0042 U
1,2,4-Trichlorobenzene	NA	0.0010 U	0.0013 U	0.00097 U	0.0010 U	0.00087 U	0.0011 U	0.0011 U	0.0012 U	0.0010 U	0.00090 U	0.0018 U	0.0042 U
1,2-Dibromo-3-Chloropropane	NA	0.0010 U	0.0013 U	0.00097 U	0.0010 U	0.00087 U	0.0011 U	0.0011 U	0.0012 U	0.0010 U	0.00090 U	0.0018 U	0.0042 U
1,2-Dibromoethane	NA	0.0010 U	0.0013 U	0.00097 U	0.0010 U	0.00087 U	0.0011 U	0.0011 U	0.0012 U	0.0010 U	0.00090 U	0.0018 U	0.0042 U
1,2-Dichlorobenzene	1.1	0.0010 U	0.0013 U	0.00097 U	0.0010 U	0.00087 U	0.0011 U	0.0011 U	0.0012 U	0.0010 U	0.00090 U	0.0018 U	0.0042 U
1,2-Dichloroethane	0.02	0.0010 U	0.0013 U	0.00097 U	0.0010 U	0.00087 U	0.0011 U	0.0011 U	0.0012 U	0.0010 U	0.00090 U	0.0018 U	0.0042 U
1,2-Dichloropropane	NA	0.0010 U	0.0013 U	0.00097 U	0.0010 U	0.00087 U	0.0011 U	0.0011 U	0.0012 U	0.0010 U	0.00090 U	0.0018 U	0.0042 U
1,3-Dichlorobenzene	2.4	0.0010 U	0.0013 U	0.00097 U	0.0010 U	0.00087 U	0.0011 U	0.0011 U	0.0012 U	0.0010 U	0.00090 U	0.0018 U	0.0042 U
1,4-Dichlorobenzene	1.8	0.0010 U	0.0013 U	0.00097 U	0.0010 U	0.00087 U	0.0011 U	0.0011 U	0.0012 U	0.0010 U	0.00090 U	0.0018 U	0.0042 U
1,4-Dioxane	0.1	0.052 U	0.064 U	0.048 U	0.050 U	0.044 U	0.055 U	0.054 U	0.058 U	0.050 U	0.045 U	0.092 U	0.21 U
2-Butanone (MEK)	0.12	0.010 U	0.013 U	0.0097 U	0.010 U	0.0018 J	0.011 U	0.0083 J	0.012 U	0.0064 J	0.0025 J	0.0097 J	0.11
2-Hexanone	NA	0.010 U	0.013 U	0.0097 U	0.010 U	0.0087 U	0.011 U	0.011 U	0.012 U	0.010 U	0.0090 U	0.018 U	0.042 U
4-Methyl-2-pentanone	NA	0.010 U	0.013 U	0.0097 U	0.010 U	0.0087 U	0.011 U	0.011 U	0.012 U	0.010 U	0.0090 U	0.018 U	0.042 U
Acetone	0.05	0.010 U	0.013 U	0.0097 U	0.010 U	0.014	0.011 U	0.074	0.0071 J	0.057	0.015 B	0.10 B	0.89 B
Benzene	0.06	0.0010 U	0.0013 U	0.00097 U	0.0010 U	0.00087 U	0.0011 U	0.0011 U	0.0012 U	0.0010 U	0.00090 U	0.0018 U	0.0042 U
Bromochloromethane	NA	0.0010 U	0.0013 U	0.00097 U	0.0010 U	0.00087 U	0.0011 U	0.0011 U	0.0012 U	0.0010 U	0.00090 U	0.0018 U	0.0042 U
Bromodichloromethane	NA	0.0010 U	0.0013 U	0.00097 U	0.0010 U	0.00087 U	0.0011 U	0.0011 U	0.0012 U	0.0010 U	0.00090 U	0.0018 U	0.0042 U
Bromoform	NA	0.0010 U	0.0013 U	0.00097 U	0.0010 U	0.00087 U	0.0011 U	0.0011 U	0.0012 U	0.0010 U	0.00090 U	0.0018 U	0.0042 U
Bromomethane	NA	0.0010 U	0.0013 U	0.00097 U	0.0010 U	0.00087 U	0.0011 U	0.0011 U	0.0012 U	0.0010 U	0.00090 U	0.0018 U	0.0042 U
Carbon disulfide	NA	0.0010 U	0.0013 U	0.00097 U	0.0010 U	0.0015	0.0011 U	0.00060 J	0.00028 J	0.00056 J	0.0014	0.0018 U	0.0014 J
Carbon tetrachloride	0.76	0.0010 U	0.0013 U	0.00097 U	0.0010 U	0.00087 U	0.0011 U	0.0011 U	0.0012 U	0.0010 U	0.00090 U	0.0018 U	0.0042 U
Chlorobenzene	1.1	0.0010 U	0.0013 U	0.00097 U	0.0010 U	0.00087 U	0.0011 U	0.0011 U	0.0012 U	0.0010 U	0.00090 U	0.0018 U	0.0042 U
Chloroethane	NA	0.0010 U	0.0013 U	0.00097 U	0.0010 U	0.00087 U	0.0011 U	0.0011 U	0.0012 U	0.0010 U	0.00090 U	0.0018 U	0.0042 U
Chloroform	0.37	0.0010 U	0.0013 U	0.00097 U	0.0010 U	0.00031 J	0.0011 U	0.0011 U	0.0012 U	0.0010 U	0.00090 U	0.0018 U	0.0042 U
Chloromethane	NA	0.0010 U	0.0013 U	0.00097 U	0.0010 U	0.00087 U	0.0011 U	0.0011 U	0.0012 U	0.0010 U	0.00090 U	0.0018 U	0.0042 U
cis-1,2-Dichloroethene	0.25	0.0010 U	0.0013 U	0.00097 U	0.0010 U	0.00087 U	0.0011 U	0.00023 J	0.0012 U	0.0010 U	0.00090 U	0.0018 U	0.0042 U
cis-1,3-Dichloropropene	NA	0.0010 U	0.0013 U	0.00097 U	0.0010 U	0.00087 U	0.0011 U	0.0011 U	0.0012 U	0.0010 U	0.00090 U	0.0018 U	0.0042 U
Cyclohexane	NA	0.0010 U	0.0013 U	0.00097 U	0.0010 U	0.00087 U	0.0011 U	0.0011 U	0.0012 U	0.0010 U	0.00090 U	0.0018 U	0.0042 U
Dibromochloromethane	NA	0.0010 U	0.0013 U	0.00097 U	0.0010 U	0.00087 U	0.0011 U	0.0011 U	0.0012 U	0.0010 U	0.00090 U	0.0018 U	0.0042 U
Dichlorodifluoromethane	NA	0.0010 U	0.0013 U	0.00097 U	0.0010 U	0.00087 U	0.0011 U	0.0011 U	0.0012 U	0.0010 U	0.00090 U	0.0018 U	0.0042 U
Ethylbenzene	1	0.0010 U	0.0013 U	0.00097 U	0.0010 U	0.00087 U	0.0011 U	0.0011 U	0.0012 U	0.0010 U	0.00090 U	0.0018 U	0.0042 U
Freon 113	NA	0.0010 U	0.0013 U	0.00097 U	0.0010 U	0.00087 U	0.0011 U	0.0011 U	0.0012 U	0.0010 U	0.00090 U	0.0018 U	0.0042 U
Isopropylbenzene	NA	0.0010 U	0.0013 U	0.00097 U	0.0010 U	0.00087 U	0.0011 U	0.0011 U	0.0012 U	0.0010 U	0.00090 U	0.0018 U	0.0042 U
m&p-Xylene	0.26	0.0021 U	0.0026 U	0.0019 U	0.0020 U	0.0017 U	0.0022 U	0.0022 U	0.0023 U	0.0020 U	0.0018 U	0.0037 U	0.0083 U
Methyl acetate	NA	0.0010 U	0.0013 U	0.00097 U	0.0010 U	0.00087 U	0.0011 U	0.0011 U	0.0012 U	0.0010 U	0.00090 U	0.0018 U	0.0042 U
Methylcyclohexane	NA	0.0010 U	0.0013 U	0.00097 U	0.0010 U	0.00087 U	0.0011 U	0.0011 U	0.0012 U	0.0010 U	0.00090 U	0.0018 U	0.0011 J
Methylene Chloride	0.05	0.0010 U	0.0013 U	0.00097 U	0.0010 U	0.00087 U	0.0011 U	0.0011 U	0.0012 U	0.0010 U	0.00090 U	0.0018 U	0.0042 U
MTBE	0.93	0.0010 U	0.0013 U	0.00097 U	0.0010 U	0.00087 U	0.0011 U	0.0011 U	0.0012 U	0.0010 U	0.00090 U	0.0018 U	0.0042 U
o-Xylene	0.26	0.0010 U	0.0013 U	0.00097 U	0.0010 U	0.00087 U	0.0011 U	0.0011 U	0.0012 U	0.0010 U	0.00090 U	0.0018 U	0.0042 U
Styrene	NA	0.0010 U	0.0013 U	0.00097 U	0.0010 U	0.00087 U	0.0011 U	0.0011 U	0.0012 U	0.0010 U	0.00090 U	0.0018 U	0.0042 U
Tetrachloroethene	1.3	0.0010 U	0.0013 U	0.00097 U	0.0010 U	0.00087 U	0.0011 U	0.0011 U	0.0012 U	0.0010 U	0.00090 U	0.0018 U	0.0042 U
Toluene	0.7	0.0010 U	0.0013 U	0.00097 U	0.00018 J	0.0011	0.0011 U	0.0011 U	0.0012 U	0.0010 U	0.0037	0.0018 U	0.0042 U
trans-1,2-Dichloroethene	0.19	0.0010 U	0.0013 U	0.00097 U	0.0010 U	0.00087 U	0.0011 U	0.0011 U	0.0012 U	0.0010 U	0.00090 U	0.0018 U	0.0042 U
trans-1,3-Dichloropropene	NA	0.0010 U	0.0013 U	0.00097 U	0.0010 U	0.00087 U	0.0011 U	0.0011 U	0.0012 U	0.0010 U	0.00090 U	0.0018 U	0.0042 U
Trichloroethene	0.47	0.0010 U	0.0013 U	0.00097 U	0.0010 U	0.00087 U	0.0011 U	0.0011 U	0.0012 U	0.0010 U	0.00090 U	0.0018 U	0.0042 U
Trichlorofluoromethane	NA	0.0010 U	0.0013 U	0.00097 U	0.0010 U	0.00087 U	0.0011 U	0.0011 U	0.0012 U	0.0010 U	0.00090 U	0.0018 U	0.0042 U
Vinyl chloride	0.02	0.0010 U	0.0013 U	0.00097 U	0.0010 U	0.00087 U	0.0011 U	0.0011 U	0.0012 U	0.0010 U	0.00090 U	0.0018 U	0.0042 U
Xylenes, Total	0.26	0.0010 U	0.0013 U	0.00097 U	0.0010 U	0.00087 U	0.0011 U	0.0011 U	0.0012 U	0.0010 U	0.00090 U	0.0018 U	0.0042 U
Naphthalene	12	0.0031 U	0.0038 U	0.0029 U	0.0030 U	0.0026 U	0.0033 U	0.0032 U	0.0035 U	0.0030 U	0.0027 U	0.0055 U	0.012 U

Notes
J : Indicates an estimated value.
J B : The analyte was found in an associated blank, as well as in the sample.
J N : Indicates an estimated value.
U : Analyzed for but not detected.
Total xylenes SCO utilized for all isomers
Highlighted / bolded indicates analyte exceeded above its respective NYSDEC Unrestricted SCO.
NA - Not Available



Table 4-37
Soil TCL SVOC Analytical Data
Former Columbia C1a Building and South Alleyway Areas

TCL SVOCs (mg/kg)	NYSDEC Unrestricted SCO	Soil Samples Former Columbia C1a Building and South Alleyway Areas														
		C1-21			C1-22			C1-23			C1-24			C1-25		
		(0.5-1.0')	(2.5-3.0')	(5.0-5.5')	(0.5-1.0')	(3.0-3.5')	(4.0-4.5')	(0.5-1.0')	(2.0-2.5')	(4.0-4.5')	(0.5-1.0')	(2.5-3.0')	(4.0-4.5')	(0.5-1.0')	(3.0-3.5')	(4.5-5.0')
1,2,4,5-Tetrachlorobenzene	NA	0.43 U	0.42 U	0.40 U	0.37 U	0.37 U	3.7 U	0.38 U	2.5 U	3.9 U	1.9 U R	0.77 U R	0.73 U R	0.75 U R	0.37 U R	9.3 U R
1,4-Dioxane	0.1	0.43 U	0.42 U	0.40 U	0.37 U	0.37 U	3.7 U	0.38 U	2.5 U	3.9 U	1.9 U	0.77 U	0.73 U	0.75 U	0.37 U	9.3 U
2,2'-oxybis[1-chloropropane]	NA	0.43 U	0.42 U	0.40 U	0.37 U	0.37 U	3.7 U	0.38 U	2.5 U	3.9 U	1.9 U	0.77 U	0.73 U	0.75 U	0.37 U	9.3 U
2,3,4,6-Tetrachlorophenol	NA	0.43 U R	0.42 U R	0.40 U R	0.37 U	0.37 U	3.7 U	0.38 U	2.5 U	3.9 U	1.9 U R	0.77 U R	0.73 U R	0.75 U R	0.37 U R	9.3 U R
2,4,5-Trichlorophenol	NA	0.43 U	0.42 U	0.40 U	0.37 U	0.37 U	3.7 U	0.38 U	2.5 U	3.9 U	1.9 U	0.77 U	0.73 U	0.75 U	0.37 U	9.3 U
2,4,6-Trichlorophenol	NA	0.43 U	0.42 U	0.40 U	0.37 U	0.37 U	3.7 U	0.38 U	2.5 U	3.9 U	1.9 U	0.77 U	0.73 U	0.75 U	0.37 U	9.3 U
2,4-Dichlorophenol	NA	0.43 U	0.42 U	0.40 U	0.37 U	0.37 U	3.7 U	0.38 U	2.5 U	3.9 U	1.9 U	0.77 U	0.73 U	0.75 U	0.37 U	9.3 U
2,4-Dimethylphenol	NA	0.43 U	0.42 U	0.40 U	0.37 U	0.37 U	3.7 U	0.38 U	2.5 U	3.9 U	1.9 U	0.77 U	0.73 U	0.75 U	0.37 U	9.3 U
2,4-Dinitrophenol	NA	1.3 U	1.3 U	1.2 U	1.1 U	1.1 U	11 U	1.1 U	7.5 U	12 U	5.9 U	2.3 U	2.2 U	2.3 U	1.1 U	28 U
2,4-Dinitrotoluene	NA	0.087 U	0.085 U	0.081 U	0.075 U	0.075 U	0.75 U	0.076 U	0.50 U	0.79 U	0.39 U	0.16 U	0.15 U	0.15 U	0.075 U	1.9 U
2,6-Dinitrotoluene	NA	0.087 U	0.085 U	0.081 U	0.075 U	0.075 U	0.75 U	0.076 U	0.50 U	0.79 U	0.39 U	0.16 U	0.15 U	0.15 U	0.075 U	1.9 U
2-Chloronaphthalene	NA	0.43 U	0.42 U	0.40 U	0.37 U	0.37 U	3.7 U	0.38 U	2.5 U	3.9 U	1.9 U	0.77 U	0.73 U	0.75 U	0.37 U	9.3 U
2-Chlorophenol	NA	0.43 U	0.42 U	0.40 U	0.37 U	0.37 U	3.7 U	0.38 U	2.5 U	3.9 U	1.9 U	0.77 U	0.73 U	0.75 U	0.37 U	9.3 U
2-Methylnaphthalene	NA	0.43 U	0.42 U	0.40 U	0.37 U	0.37 U	3.7 U	0.38 U	2.5 U	3.4 J	0.87 J	0.77 U	0.73 U	0.17 J	0.37 U	5.0 J
2-Methylphenol	0.33	0.43 U	0.42 U	0.40 U	0.37 U	0.37 U	3.7 U	0.38 U	2.5 U	3.9 U	1.9 U	0.77 U	0.73 U	0.75 U	0.37 U	9.3 U
2-Nitroaniline	NA	0.87 U	0.85 U	0.81 U	0.75 U	0.75 U	7.5 U	0.76 U	5.0 U	7.9 U	3.9 U	1.6 U	1.5 U	1.5 U	0.75 U	19 U
2-Nitrophenol	NA	0.43 U	0.42 U	0.40 U	0.37 U	0.37 U	3.7 U	0.38 U	2.5 U	3.9 U	1.9 U	0.77 U	0.73 U	0.75 U	0.37 U	9.3 U
3,3'-Dichlorobenzidine	NA	0.87 U	0.85 U	0.81 U	0.75 U	0.75 U	7.5 U	0.76 U	5.0 U	7.9 U	3.9 U	1.6 U	1.5 U	1.5 U	0.75 U	19 U
3-Nitroaniline	NA	0.87 U	0.85 U	0.81 U	0.75 U	0.75 U	7.5 U	0.76 U	5.0 U	7.9 U	3.9 U	1.6 U	1.5 U	1.5 U	0.75 U	19 U
4,6-Dinitro-2-methylphenol	NA	1.3 U	1.3 U	1.2 U	1.1 U	1.1 U	11 U	1.1 U	7.5 U	12 U	5.9 U	2.3 U	2.2 U	2.3 U	1.1 U	28 U
4-Bromophenyl phenyl ether	NA	0.43 U	0.42 U	0.40 U	0.37 U	0.37 U	3.7 U	0.38 U	2.5 U	3.9 U	1.9 U	0.77 U	0.73 U	0.75 U	0.37 U	9.3 U
4-Chloro-3-methylphenol	NA	0.43 U	0.42 U	0.40 U	0.37 U	0.37 U	3.7 U	0.38 U	2.5 U	3.9 U	1.9 U	0.77 U	0.73 U	0.75 U	0.37 U	9.3 U
4-Chloroaniline	NA	0.43 U	0.42 U	0.40 U	0.37 U	0.37 U	3.7 U	0.38 U	2.5 U	3.9 U	1.9 U	0.77 U	0.73 U	0.75 U	0.37 U	9.3 U
4-Chlorophenyl phenyl ether	NA	0.43 U	0.42 U	0.40 U	0.37 U	0.37 U	3.7 U	0.38 U	2.5 U	3.9 U	1.9 U	0.77 U	0.73 U	0.75 U	0.37 U	9.3 U
4-Methylphenol	0.33	0.43 U	0.42 U	0.40 U	0.37 U	0.37 U	3.7 U	0.38 U	2.5 U	3.9 U	1.9 U	0.77 U	0.73 U	0.75 U	0.37 U	9.3 U
4-Nitroaniline	NA	0.87 U	0.85 U	0.81 U	0.75 U	0.75 U	7.5 U	0.76 U	5.0 U	7.9 U	3.9 U	1.6 U	1.5 U	1.5 U	0.75 U	19 U
4-Nitrophenol	NA	1.3 U	1.3 U	1.2 U	1.1 U	1.1 U	11 U	1.1 U	7.5 U	12 U	5.9 U	2.3 U	2.2 U	2.3 U	1.1 U	28 U
Acenaphthene	20	0.43 U	0.42 U	0.15 J	0.14 J	0.23 J	2.5 J	0.38 U	5.4	8.0	2.8	0.16 J	0.73 U	0.80	0.37 U	15
Acenaphthylene	100	0.43 U	0.42 U	0.40 U	0.37 U	0.053 J	3.7 U	0.38 U	2.5 U	3.9 U	1.9 U	0.77 U	0.73 U	0.75 U	0.37 U	1.5 J
Acetophenone	NA	0.43 U	0.42 U	0.40 U	0.37 U	0.37 U	3.7 U	0.38 U	2.5 U	3.9 U	1.9 U	0.77 U	0.73 U	0.75 U	0.37 U	9.3 U
Anthracene	100	0.23 J	0.42 U	0.35 J	0.49	0.67	5.1	0.38 U	8.3	13	4.2	0.56 J	0.14 J	2.1	0.050 J	42
Atrazine	NA	0.43 U	0.42 U	0.40 U	0.37 U	0.37 U	3.7 U	0.38 U	2.5 U	3.9 U	1.9 U	0.77 U	0.73 U	0.75 U	0.37 U	9.3 U
Benzaldehyde	NA	0.43 U	0.42 U	0.40 U	0.37 U	0.37 U	3.7 U	0.38 U	2.5 U	3.9 U	1.9 U	0.77 U	0.73 U	0.75 U	0.37 U	9.3 U
Benzo[a]anthracene	1	1.2	0.062	1.2	2.2	2.9	22	0.038 U	16	19	8.2	2.4	0.46	5.9	0.26	50
Benzo[a]pyrene	1	1.5	0.047	1.3	2.0	3.1	21	0.018 J	15	19	7.6	2.5	0.48	5.3	0.20	46
Benzo[b]fluoranthene	1	2.0	0.13	1.6	2.1	3.5	23	0.016 J	16	21	8.6	2.8	0.55	6.3	0.26	51
Benzo[g,h,i]perylene	100	0.86	0.064 J	0.49	1.5	2.0	20	0.38 U	13	15	6.7	3.8	0.46 J	5.0	0.18 J	37
Benzo[k]fluoranthene	0.8	0.73	0.049	0.60	0.84	1.0	7.5	0.038 U	5.9	6.9	3.2	1.0	0.17	1.9	0.11	20
Bis(2-chloroethoxy)methane	NA	0.43 U	0.42 U	0.40 U	0.37 U	0.37 U	3.7 U	0.38 U	2.5 U	3.9 U	1.9 U	0.77 U	0.73 U	0.75 U	0.37 U	9.3 U
Bis(2-chloroethyl)ether	NA	0.043 U	0.042 U	0.040 U	0.037 U	0.037 U	0.37 U	0.038 U	0.25 U	0.39 U	0.19 U	0.077 U	0.073 U	0.075 U	0.037 U	0.93 U
Bis(2-ethylhexyl) phthalate	NA	0.43 U	0.42 U	0.40 U	0.37 U	0.37 U	3.7 U	0.38 U	2.5 U	3.9 U	1.9 U	0.77 U	0.73 U	0.75 U	0.37 U	9.3 U
Butyl benzyl phthalate	NA	0.43 U	0.42 U	0.40 U	0.37 U	0.37 U	3.7 U	0.38 U	2.5 U	3.9 U	1.9 U	0.77 U	0.73 U	0.75 U	0.37 U	9.3 U
Caprolactam	NA	0.43 U	0.42 U	0.40 U	0.37 U	0.37 U	3.7 U	0.38 U	2.5 U	3.9 U	1.9 U	0.77 U	0.73 U	0.75 U	0.37 U	9.3 U
Carbazole	NA	0.43 U	0.42 U	0.086 J	0.11 J	0.16 J	1.5 J	0.38 U	2.8	4.8	1.5 J	0.14 J	0.73 U	0.70 J	0.37 U	19
Chrysene	1	1.3	0.099 J	1.3	2.0	3.3	22	0.38 U	16	19	7.8	2.5	0.52 J	5.6	0.31 J	47
Dibenz(a,h)anthracene	0.33	0.25	0.042 U	0.17	0.25	0.54	4.6	0.011 J	3.1	3.9	0.85	0.37	0.073 U	0.58	0.019 J	5.4
Dibenzofuran	7	0.43 U	0.42 U	0.40 U	0.065 J	0.066 J	0.76 J	0.38 U	2.3 J	4.8	1.0 J	0.77 U	0.73 U	0.45 J	0.37 U	18
Diethyl phthalate	NA	0.43 U	0.42 U	0.40 U	0.37 U	0.37 U	3.7 U	0.38 U	2.5 U	3.9 U	1.9 U	0.77 U	0.73 U	0.75 U	0.37 U	9.3 U
Dimethyl phthalate	NA	0.43 U	0.42 U	0.40 U	0.37 U	0.37 U	3.7 U	0.38 U	2.5 U	3.9 U	1.9 U	0.77 U	0.73 U	0.75 U	0.37 U	9.3 U
Di-n-butyl phthalate	NA	0.43 U	0.42 U	0.076 J	0.37 U	0.37 U	3.7 U	0.38 U	2.5 U	3.9 U	1.9 U	0.77 U	0.73 U	0.75 U	0.37 U	9.3 U
Di-n-octyl phthalate	NA	0.43 U	0.42 U	0.40 U	0.37 U	0.37 U	3.7 U	0.38 U	2.5 U	3.9 U	1.9 U	0.77 U	0.73 U	0.75 U	0.37 U	9.3 U
Diphenyl	NA	0.43 U	0.42 U	0.40 U	0.37 U	0.37 U	3.7 U	0.38 U	0.35 J	0.81 J	0.27 J	0.77 U	0.73 U	0.75 U	0.37 U	2.0 J
Fluoranthene	100	1.8	0.12 J	2.2	4.0	6.0	39	0.38 U	31	35	16	4.0	0.77	11	0.45	120
Fluorene	30	0.059 J	0.42 U	0.12 J	0.12 J	0.17 J	1.7 J	0.38 U	4.1	7.9	2.0	0.14 J	0.73 U	0.72 J	0.37 U	16
Hexachlorobenzene	0.33	0.043 U	0.042 U	0.040 U	0.037 U	0.037 U	0.37 U	0.038 U	0.25 U	0.39 U	0.19 U	0.077 U	0.073 U	0.075 U	0.037 U	0.93 U
Hexachlorobutadiene	NA	0.087 U	0.085 U	0.081 U	0.075 U	0.075 U	0.75 U	0.076 U	0.50 U	0.79 U	0.39 U	0.16 U	0.15 U	0.15 U	0.075 U	1.9 U
Hexachlorocyclopentadiene	NA	0.43 U	0.42 U	0.40 U	0.37 U	0.37 U	3.7 U	0.38 U	2.5 U	3.9 U	1.9 U	0.77 U	0.73 U	0.75 U	0.37 U	9.3 U
Hexachloroethane	NA	0.043 U	0.042 U	0.040 U	0.037 U	0.037 U	0.37 U	0.038 U	0.25 U	0.39 U	0.19 U	0.077 U	0.073 U	0.075 U	0.037 U	0.93 U
Indeno[1,2,3-cd]pyrene	0.5	0.88	0.095	0.51	1.9	2.5	22	0.022 J	15	19	7.9	3.6	0.49	5.6	0.18	43
Isophorone	NA	0.43 U	0.42 U	0.40 U	0.37 U	0.37 U	3.7 U	0.38 U	2.5 U	3.9 U	1.9 U	0.12 J	0.73 U	0.75 U	0.37 U	9.3 U
Naphthalene	12	0.43 U	0.42 U	0.40 U	0.37 U	0.37 U	0.70 J	0.38 U	2.6	9.9	1.3 J	0.77 U	0.73 U	0.25 J	0.37 U	6.9 J
Nitrobenzene	NA	0.043 U	0.042 U	0.040 U	0.037 U	0.037 U	0.37 U	0.038 U	0.25 U	0.39 U	0.19 U	0.077 U	0.073 U	0.075 U	0.037 U	0.93 U
N-Nitrosodi-n-propylamine	NA	0.043 U	0.042 U	0.040 U	0.037 U	0.037 U	0.37 U	0.038 U	0.25 U	0.39 U	0.19 U	0.077 U	0.073 U	0.075 U	0.037 U	0.93 U
N-Nitrosodiphenylamine	NA	0.43 U	0.42 U	0.40 U	0.37 U	0.37 U	3.7 U	0.38 U	2.5 U	3.9 U	1.9 U	0.77 U	0.73 U	0.75 U	0.37 U	9.3 U
Pentachlorophenol	0.8	1.3 U	1.3 U	1.2 U	1.1 U	1.1 U	11 U	1.1 U	7.5 U	12 U	5.9 U	2.3 U	2.2 U	2.3 U	1.1 U	28 U
Phenanthrene	100	0.89	0.42 U	1.5	1.8	3.4	29	0.38 U	32	44	15	2.6	0.41 J	9.2	0.29 J	150
Phenol	0.33	0.43 U	0.42 U	0.40 U	0.37 U	0.37 U	3.7 U	0.38 U	2.5 U	3.9 U	1.9 U	0.77 U	0.73 U	0.75 U	0.37 U	9.3 U
Pyrene	100	1.7	0.15 J	2.1	3.3	4.5	39	0.38 U	28	32	12	3.2	0.49 J	9.7	0.57	90
Pyridine	NA	0.43 U	0.42 U	0.40 U	0.37 U	0.37 U	3.7 U	0.38 U	2.5 U	3.9 U	1.9 U	0.77 U	0.73 U	0.75 U	0.37 U	9.3 U

Notes

ND: TIC not detected

J : Indicates an estimated value.

J N : This flag indicates the presumptive evidence of a compound.

U : Analyzed for but not detected.

U R: Indicates that value is rejected based upon DUSR review by third party data validator.

Highlighted / bolded indicates analyte exceeded above its respective NYSDEC Unrestricted SCO.

NA - Not Available

Table 4-37
Soil TCL SVOC Analytical Data
Former Columbia C1a Building and South Alleyway Areas

TCL SVOCs (mg/kg)	NYSDEC Unrestricted SCO	Soil Samples Former Columbia C1a Building and South Alleyway Areas											
		C1-26			C1-27			C1-28			C1-29		
		(0.5-1.0')	(5.0-5.5')	(6.5-7.0')	(0.5-1.0')	(4.0-4.5')	(7.0-7.5')	(0.5-1.0')	(4.5-5.0')	(7.0-7.5')	(0.5-1.0')	(2.0-2.5')	(6.5-7.0')
1,2,4,5-Tetrachlorobenzene	NA	0.37 U R	0.35 U R	0.36 U R	0.38 U R	0.37 U R	0.39 U R	0.74 U R	0.42 U R	0.38 U R	0.37 U R	0.39 U R	1.0 U R
1,4-Dioxane	0.1	0.37 U	0.35 U	0.36 U	0.38 U	0.37 U	0.39 U	0.74 U	0.42 U	0.38 U	0.37 U	0.39 U	1.0 U
2,2'-oxybis[1-chloropropane]	NA	0.37 U	0.35 U	0.36 U	0.38 U	0.37 U	0.39 U	0.74 U	0.42 U	0.38 U	0.37 U	0.39 U	1.0 U
2,3,4,6-Tetrachlorophenol	NA	0.37 U R	0.35 U R	0.36 U R	0.38 U R	0.37 U R	0.39 U R	0.74 U R	0.42 U R	0.38 U R	0.37 U	0.39 U	1.0 U
2,4,5-Trichlorophenol	NA	0.37 U	0.35 U	0.36 U	0.38 U	0.37 U	0.39 U	0.74 U	0.42 U	0.38 U	0.37 U	0.39 U	1.0 U
2,4,6-Trichlorophenol	NA	0.37 U	0.35 U	0.36 U	0.38 U	0.37 U	0.39 U	0.74 U	0.42 U	0.38 U	0.37 U	0.39 U	1.0 U
2,4-Dichlorophenol	NA	0.37 U	0.35 U	0.36 U	0.38 U	0.37 U	0.39 U	0.74 U	0.42 U	0.38 U	0.37 U	0.39 U	1.0 U
2,4-Dimethylphenol	NA	0.37 U	0.35 U	0.36 U	0.38 U	0.37 U	0.39 U	0.74 U	0.42 U	0.38 U	0.37 U	0.39 U	1.0 U
2,4-Dinitrophenol	NA	1.1 U	1.1 U	1.1 U	1.2 U	1.1 U	1.2 U	2.3 U	1.3 U	1.2 U	1.1 U	1.2 U	3.1 U
2,4-Dinitrotoluene	NA	0.075 U	0.072 U	0.072 U	0.077 U	0.075 U	0.079 U	0.15 U	0.085 U	0.078 U	0.074 U	0.080 U	0.21 U
2,6-Dinitrotoluene	NA	0.075 U	0.072 U	0.072 U	0.077 U	0.075 U	0.079 U	0.15 U	0.085 U	0.078 U	0.074 U	0.080 U	0.21 U
2-Chloronaphthalene	NA	0.37 U	0.35 U	0.36 U	0.38 U	0.37 U	0.39 U	0.74 U	0.42 U	0.38 U	0.37 U	0.39 U	1.0 U
2-Chlorophenol	NA	0.37 U	0.35 U	0.36 U	0.38 U	0.37 U	0.39 U	0.74 U	0.42 U	0.38 U	0.37 U	0.39 U	1.0 U
2-Methylnaphthalene	NA	0.37 U	0.35 U	0.36 U	0.12 J	0.13 J	0.083 J	0.74 U	0.35 J	0.38 U	0.37 U	0.39 U	1.0 U
2-Methylphenol	0.33	0.37 U	0.35 U	0.36 U	0.38 U	0.37 U	0.39 U	0.74 U	0.42 U	0.38 U	0.37 U	0.39 U	1.0 U
2-Nitroaniline	NA	0.75 U	0.72 U	0.72 U	0.77 U	0.75 U	0.79 U	1.5 U	0.85 U	0.78 U	0.74 U	0.80 U	2.1 U
2-Nitrophenol	NA	0.37 U	0.35 U	0.36 U	0.38 U	0.37 U	0.39 U	0.74 U	0.42 U	0.38 U	0.37 U	0.39 U	1.0 U
3,3'-Dichlorobenzidine	NA	0.75 U	0.72 U	0.72 U	0.77 U	0.75 U	0.79 U	1.5 U	0.85 U	0.78 U	0.74 U	0.80 U	2.1 U
3-Nitroaniline	NA	0.75 U	0.72 U	0.72 U	0.77 U	0.75 U	0.79 U	1.5 U	0.85 U	0.78 U	0.74 U	0.80 U	2.1 U
4,6-Dinitro-2-methylphenol	NA	1.1 U	1.1 U	1.1 U	1.2 U	1.1 U	1.2 U	2.3 U	1.3 U	1.2 U	1.1 U	1.2 U	3.1 U
4-Bromophenyl phenyl ether	NA	0.37 U	0.35 U	0.36 U	0.38 U	0.37 U	0.39 U	0.74 U	0.42 U	0.38 U	0.37 U	0.39 U	1.0 U
4-Chloro-3-methylphenol	NA	0.37 U	0.35 U	0.36 U	0.38 U	0.37 U	0.39 U	0.74 U	0.42 U	0.38 U	0.37 U	0.39 U	1.0 U
4-Chloroaniline	NA	0.37 U	0.35 U	0.36 U	0.38 U	0.37 U	0.39 U	0.74 U	0.42 U	0.38 U	0.37 U	0.39 U	1.0 U
4-Chlorophenyl phenyl ether	NA	0.37 U	0.35 U	0.36 U	0.38 U	0.37 U	0.39 U	0.74 U	0.42 U	0.38 U	0.37 U	0.39 U	1.0 U
4-Methylphenol	0.33	0.37 U	0.35 U	0.36 U	0.38 U	0.37 U	0.39 U	0.74 U	0.42 U	0.38 U	0.37 U	0.39 U	1.0 U
4-Nitroaniline	NA	0.75 U	0.72 U	0.72 U	0.77 U	0.75 U	0.79 U	1.5 U	0.85 U	0.78 U	0.74 U	0.80 U	2.1 U
4-Nitrophenol	NA	1.1 U	1.1 U	1.1 U	1.2 U	1.1 U	1.2 U	2.3 U	1.3 U	1.2 U	1.1 U	1.2 U	3.1 U
Acenaphthene	20	0.37 U	0.35 U	0.36 U	0.38 U	0.37 U	0.39 U	0.60 J	0.42 U	0.38 U	0.37 U	0.39 U	1.0 U
Acenaphthylene	100	0.37 U	0.35 U	0.36 U	0.38 U	0.37 U	0.39 U	0.74 U	0.12 J	0.38 U	0.37 U	0.39 U	1.0 U
Acetophenone	NA	0.37 U	0.35 U	0.36 U	0.38 U	0.37 U	0.39 U	0.74 U	0.42 U	0.38 U	0.37 U	0.39 U	1.0 U
Anthracene	100	0.37 U	0.35 U	0.36 U	0.047 J	0.37 U	0.39 U	1.8	0.42 U	0.38 U	0.37 U	0.39 U	1.0 U
Atrazine	NA	0.37 U	0.35 U	0.36 U	0.38 U	0.37 U	0.39 U	0.74 U	0.42 U	0.38 U	0.37 U	0.39 U	1.0 U
Benzaldehyde	NA	0.37 U	0.35 U	0.36 U	0.38 U	0.37 U	0.39 U	0.74 U	0.42 U	0.38 U	0.081	0.054	0.10 U
Benzo[a]anthracene	1	0.037 U	0.035 U	0.036 U	0.27	0.037 U	0.039 U	4.6	0.073	0.038 U	0.086	0.066	0.10 U
Benzo[a]pyrene	1	0.037 U	0.035 U	0.036 U	0.27	0.037 U	0.039 U	4.3	0.075	0.038 U	0.10	0.086	0.10 U
Benzo[b]fluoranthene	1	0.037 U	0.035 U	0.036 U	0.28	0.037 U	0.039 U	4.8	0.083	0.038 U	0.095 J	0.058 J	1.0 U
Benzo[g,h,i]perylene	100	0.37 U	0.35 U	0.36 U	0.18 J	0.37 U	0.39 U	3.8	0.068 J	0.38 U	0.040	0.031 J	0.10 U
Benzo[k]fluoranthene	0.8	0.037 U	0.035 U	0.036 U	0.12	0.037 U	0.039 U	2.0	0.024 J	0.038 U	0.37 U	0.39 U	1.0 U
Bis(2-chloroethoxy)methane	NA	0.37 U	0.35 U	0.36 U	0.38 U	0.37 U	0.39 U	0.74 U	0.42 U	0.38 U	0.037 U	0.039 U	0.10 U
Bis(2-chloroethyl)ether	NA	0.037 U	0.035 U	0.036 U	0.038 U	0.037 U	0.039 U	0.074 U	0.042 U	0.038 U	0.37 U	0.39 U	1.0 U
Bis(2-ethylhexyl) phthalate	NA	0.37 U	0.35 U	0.36 U	0.38 U	0.37 U	0.39 U	0.74 U	0.42 U	0.38 U	0.37 U	0.39 U	1.0 U
Butyl benzyl phthalate	NA	0.37 U	0.35 U	0.36 U	0.38 U	0.37 U	0.39 U	0.74 U	0.42 U	0.38 U	0.37 U	0.39 U	1.0 U
Caprolactam	NA	0.37 U	0.35 U	0.36 U	0.38 U	0.37 U	0.39 U	0.74 U	0.42 U	0.38 U	0.37 U	0.39 U	1.0 U
Carbazole	NA	0.37 U	0.35 U	0.36 U	0.38 U	0.37 U	0.39 U	0.51 J	0.42 U	0.38 U	0.12 J	0.072 J	1.0 U
Chrysene	1	0.37 U	0.35 U	0.36 U	0.34 J	0.37 U	0.39 U	5.0	0.096 J	0.38 U	0.37 U	0.39 U	1.0 U
Dibenz(a,h)anthracene	0.33	0.037 U	0.035 U	0.036 U	0.018 J	0.037 U	0.039 U	0.47	0.0092 J	0.038 U	0.019 J	0.012 J	0.10 U
Dibenzofuran	7	0.37 U	0.35 U	0.36 U	0.38 U	0.37 U	0.39 U	0.35 J	0.42 U	0.38 U	0.37 U	0.39 U	1.0 U
Diethyl phthalate	NA	0.37 U	0.35 U	0.36 U	0.38 U	0.37 U	0.39 U	0.74 U	0.42 U	0.38 U	0.37 U	0.39 U	1.0 U
Dimethyl phthalate	NA	0.37 U	0.35 U	0.36 U	0.38 U	0.37 U	0.39 U	0.74 U	0.42 U	0.38 U	0.37 U	0.39 U	1.0 U
Di-n-butyl phthalate	NA	0.37 U	0.35 U	0.36 U	0.38 U	0.37 U	0.39 U	0.74 U	0.42 U	0.38 U	0.37 U	0.39 U	1.0 U
Di-n-octyl phthalate	NA	0.37 U	0.35 U	0.36 U	0.38 U	0.37 U	0.39 U	0.74 U	0.42 U	0.38 U	0.37 U	0.39 U	1.0 U
Diphenyl	NA	0.37 U	0.35 U	0.36 U	0.38 U	0.37 U	0.39 U	0.74 U	0.070 J	0.38 U	0.37 U	0.39 U	1.0 U
Fluoranthene	100	0.37 U	0.35 U	0.36 U	0.49	0.37 U	0.39 U	9.5	0.16 J	0.38 U	0.16 J	0.095 J	1.0 U
Fluorene	30	0.37 U	0.35 U	0.36 U	0.38 U	0.37 U	0.39 U	0.82	0.075 J	0.38 U	0.37 U	0.39 U	1.0 U
Hexachlorobenzene	0.33	0.037 U	0.035 U	0.036 U	0.038 U	0.037 U	0.039 U	0.074 U	0.042 U	0.038 U	0.037 U	0.039 U	0.10 U
Hexachlorobutadiene	NA	0.075 U	0.072 U	0.072 U	0.077 U	0.075 U	0.079 U	0.15 U	0.085 U	0.078 U	0.074 U	0.080 U	0.21 U
Hexachlorocyclopentadiene	NA	0.37 U	0.35 U	0.36 U	0.38 U	0.37 U	0.39 U	0.74 U	0.42 U	0.38 U	0.37 U	0.39 U	1.0 U
Hexachloroethane	NA	0.037 U	0.035 U	0.036 U	0.038 U	0.037 U	0.039 U	0.074 U	0.042 U	0.038 U	0.037 U	0.039 U	0.10 U
Indeno[1,2,3-cd]pyrene	0.5	0.037 U	0.035 U	0.036 U	0.16	0.037 U	0.039 U	4.4	0.074	0.038 U	0.070	0.039	0.10 U
Isophorone	NA	0.37 U	0.35 U	0.15 J	0.38 U	0.37 U	0.39 U	0.74 U	0.42 U	0.38 U	0.37 U	0.39 U	1.0 U
Naphthalene	12	0.37 U	0.35 U	0.36 U	0.062 J	0.075 J	0.39 U	0.098 J	0.20 J	0.38 U	0.37 U	0.39 U	1.0 U
Nitrobenzene	NA	0.037 U	0.035 U	0.036 U	0.038 U	0.037 U	0.039 U	0.074 U	0.042 U	0.038 U	0.037 U	0.039 U	0.10 U
N-Nitrosodi-n-propylamine	NA	0.037 U	0.035 U	0.036 U	0.038 U	0.037 U	0.039 U	0.074 U	0.042 U	0.038 U	0.037 U	0.039 U	0.10 U
N-Nitrosodiphenylamine	NA	0.37 U	0.35 U	0.36 U	0.38 U	0.37 U	0.39 U	0.74 U	0.42 U	0.38 U	0.37 U	0.39 U	1.0 U
Pentachlorophenol	0.8	1.1 U	1.1 U	1.1 U	1.2 U	1.1 U	1.2 U	2.3 U	1.3 U	1.2 U	1.1 U	1.2 U	3.1 U
Phenanthrene	100	0.37 U	0.35 U	0.36 U	0.32 J	0.37 U	0.39 U	7.0	0.19 J	0.38 U	0.082 J	0.053 J	1.0 U
Phenol	0.33	0.37 U	0.35 U	0.36 U	0.38 U	0.37 U	0.39 U	0.74 U	0.42 U	0.38 U	0.37 U	0.39 U	1.0 U
Pyrene	100	0.37 U	0.35 U	0.36 U	0.59	0.37 U	0.39 U	7.6	0.16 J	0.38 U	0.12 J	0.10 J	1.0 U
Pyridine	NA	0.37 U	0.35 U	0.36 U	0.38 U	0.37 U	0.39 U	0.74 U	0.42 U	0.38 U	0.37 U	0.39 U	1.0 U

Notes

ND: TIC not detected

J : Indicates an estimated value.

J N : This flag indicates the presumptive evidence of a compound.

U : Analyzed for but not detected.

U R: Indicates that value is rejected based upon DUSR review by third party data validator.

Highlighted / bolded indicates analyte exceeded above its respective NYSDEC Unrestricted SCO.

NA - Not Available



Table 4-38
TAL Metals Soil Analytical Data
Former Columbia C1a Building and South Alleyway Areas

TAL Metals (mg/kg)	NYSDEC Unrestricted SCO	Soil Samples Former Columbia C1a Building and South Alleyway Areas														
		C1-22			C1-26			C1-27			C1-28			C1-29		
		(0.5-1.0')	(3.0-3.5')	(4.0-4.5')	(0.5-1.0')	(5.0-5.5')	(6.5-7.0')	(0.5-1.0')	(4.0-4.5')	(7.0-7.5')	(0.5-1.0')	(4.5-5.0')	(7.0-7.5')	(0.5-1.0')	(2.0-2.5')	(6.5-7.0')
Aluminum	NA	6,000	6,790	8,680	10,600	8,950	22,600	9,740	9,150	18,100	8,800	14,000	7,300	6,230	8,110	14,600
Antimony	NA	2.1 U	2.1 U	2.8	1.8 J	1.3 J	3.5	2.2 U	2.2 U	2.5	1.9 U	2.4 U	2.2 U	1.7 J	2.3	5.6 U
Arsenic	13	3.3	37.8	46.2	6.9	3.5	3.3	3.9	2.0	6.9	3.8	6.1	2.2	6.7	20.3	12.4
Barium	350	45.8	68.0	407	43.4	91.2	248	66.9	53.1	176	52.9	115	57.4	74.6	232	171
Beryllium	7.2	0.24 J	0.39 J	0.53	0.51	0.23 J	0.35 U	0.25 J	0.71	0.59	0.33 J	1.1	0.37 J	0.40 J	1.0	1.5
Cadmium	2.5	1.0 U	1.0 U	0.55 J	1.0 U	0.84 U	0.88 U	1.1 U	1.1 U	1.0 U	0.96 U	1.2 U	1.1 U	0.20 J	1.1 U	0.98 J
Calcium	NA	49,600	5,350	3,180	541 J	1,970	9,640	1,440	13,300	2,370	1,510	3,180	818 J	22,000	9,610	12,000
Chromium ¹	30	12.8	12.0	43.3	26.0	14.0	101	14.3	21.2	88.6	15.6	30.0	16.0	14.4	18.8	29.0
Cobalt	NA	2.8 J	8.0 J	4.0 J	9.5 J	6.2 J	19.7	8.6 J	5.7 J	23.1	5.0 J	2.2 J	2.5 J	5.3 J	9.9 J	3.1 J
Copper	50	15.3	20.6	94.6	11.7	10.7	37.1	11.8	4.9 J	17.8	8.9	6.5	17.3	37.6	18.4	54.4
Iron	NA	7,450	16,300	11,200	30,900	20,600	38,200	19,000	15,100	49,500	12,900	13,300	5,860	17,900	66,900	15,000
Lead	63	38.2	22.6	438	8.4	3.8	4.3	27.1	6.7	8.0	17.8	535	6.1	64.2	50.0	9.1
Magnesium	NA	5,730	1,570	1,460	2,480	3,150	17,500	1,900	9,330	9,820	2,180	1,200 J	1,650	12,400	1,820	1,560 J
Manganese	1,600	140	593	100	990	504	696	1,000	149	724	177	289	80.1	415	2,660	738
Nickel	30	7.7 J	15.5	12.2	14.6	12.0	40.3	13.2	11.4	39.4	9.2	8.4 J	8.7	15.9	11.6	17.3 J
Potassium	NA	524 J	482 J	582 J	724 J	1630	6,770	649 J	564 J	2,210	568 J	843 J	669 J	569 J	595 J	754 J
Selenium	3.9	2.1 U	2.1 U	6.4	2.1 U	1.7 U	1.8 U	2.2 U	2.2 U	2.1 U	1.9 U	2.4	2.2 U	2.1 U	2.2 U	5.0 J
Silver	2	0.28 J	2.1 U	0.67 J	2.1 U	1.7 U	1.8 U	2.2 U	2.7	2.1 U	1.9 U	2.4 U	2.2 U	2.1 U	2.2 U	5.6 U
Sodium	NA	1,040 U	1,030 U	942 U	300 J	247 J	632 J	253 J	1,080 U	281 J	964 U	1,220 U	1,080 U	1,060 U	189 J	629 J
Thallium	NA	2.1 U	2.1 U	1.9 U	2.1 U	1.7 U	1.8 U	2.2 U	2.2 U	2.1 U	1.9 U	2.4 U	2.2 U	2.1 U	2.2 U	5.6 U
Vanadium	NA	18.1	14.6	23.3	33.9	47.2	78.3	20.2	31.0	62.6	19.8	18.4	22.4	35.3	26.6	26.7 J
Zinc	109	40.7	46.8	219	27.6	22.2	69.8	37.3	30.7	83.0	33.8	22.4	26.0	142	84.8	52.8
Mercury	0.18	0.079	0.041	0.11	0.027	0.018 U	0.018 U	0.019 U	0.015 J	0.014 J	0.041	0.089	0.015 J	0.047	0.12	0.22

Notes
J : Sample result is greater than the MDL but below the CRDL
U : Indicates analyzed for but not detected.
¹ Trivalent chromium SCOs utilized.
Highlighted / bolded indicates analyte exceeded above its respective NYSDEC Unrestricted SCO.
NA - Not Available



Table 4-39
TCL VOCs Soil Analytical Data
Former Wedge Building Area

TCL VOCs (mg/kg)	NYSDEC Unrestricted SCO	Soil Samples Former Wedge Building Area											
		W1	W2	W3	W4	W5	W6	W7	W8	W9	W10	W11	W12
		(8')	(8')	(8')	(8')	(5')	(5')	(3.5')	(3.5')	(9')	(9')	(9')	(9')
1,1,1-Trichloroethane	0.68	0.00093 U	0.00094 U	0.0014 U	0.0012 U	0.0014 U	0.0012 U	0.0012 U	0.055 U	0.0011 U	0.0010 U	0.0012 U	0.0010 U
1,1,2,2-Tetrachloroethane	NA	0.00093 U	0.00094 U	0.0014 U	0.0012 U	0.0014 U	0.0012 U	0.0012 U	0.055 U	0.0011 U	0.0010 U	0.0012 U	0.0010 U
1,1,2-Trichloroethane	NA	0.00093 U	0.00094 U	0.0014 U	0.0012 U	0.0014 U	0.0012 U	0.0012 U	0.055 U	0.0011 U	0.0010 U	0.0012 U	0.0010 U
1,1-Dichloroethane	0.27	0.00093 U	0.00094 U	0.0014 U	0.0012 U	0.0014 U	0.0012 U	0.0012 U	0.055 U	0.0011 U	0.0010 U	0.0012 U	0.0010 U
1,1-Dichloroethene	0.33	0.00093 U	0.00094 U	0.0014 U	0.0012 U	0.0014 U	0.0012 U	0.0012 U	0.055 U	0.0011 U	0.0010 U	0.0012 U	0.0010 U
1,2,3-Trichlorobenzene	NA	0.00093 U	0.00094 U	0.0014 U	0.0012 U	0.0014 U	0.0012 U	0.0012 U	0.055 U	0.0011 U	0.0010 U	0.0012 U	0.0010 U
1,2,4-Trichlorobenzene	NA	0.00093 U	0.00094 U	0.0014 U	0.0012 U	0.0014 U	0.0012 U	0.0012 U	0.055 U	0.0011 U	0.0010 U	0.0012 U	0.0010 U
1,2-Dibromo-3-Chloropropane	NA	0.00093 U	0.00094 U	0.0014 U	0.0012 U	0.0014 U	0.0012 U	0.0012 U	0.055 U	0.0011 U	0.0010 U	0.0012 U	0.0010 U
1,2-Dibromoethane	NA	0.00093 U	0.00094 U	0.0014 U	0.0012 U	0.0014 U	0.0012 U	0.0012 U	0.055 U	0.0011 U	0.0010 U	0.0012 U	0.0010 U
1,2-Dichlorobenzene	1.1	0.00093 U	0.00094 U	0.0014 U	0.0012 U	0.0014 U	0.0012 U	0.0012 U	0.055 U	0.0011 U	0.0010 U	0.0012 U	0.0010 U
1,2-Dichloroethane	0.02	0.00093 U	0.00094 U	0.0014 U	0.0012 U	0.0014 U	0.0012 U	0.0012 U	0.055 U	0.0011 U	0.0010 U	0.0012 U	0.0010 U
1,2-Dichloropropane	NA	0.00093 U	0.00094 U	0.0014 U	0.0012 U	0.0014 U	0.0012 U	0.0012 U	0.055 U	0.0011 U	0.0010 U	0.0012 U	0.0010 U
1,3-Dichlorobenzene	2.4	0.00093 U	0.00094 U	0.0014 U	0.0012 U	0.0014 U	0.0012 U	0.0012 U	0.055 U	0.0011 U	0.0010 U	0.0012 U	0.0010 U
1,4-Dichlorobenzene	1.8	0.00093 U	0.00094 U	0.0014 U	0.0012 U	0.0014 U	0.0012 U	0.0012 U	0.055 U	0.0011 U	0.0010 U	0.0012 U	0.0010 U
1,4-Dioxane	0.1	0.047 U	0.047 U	0.072 U	0.061 U	0.072 U	0.059 U	0.061 U	2.8 U	0.057 U	0.051 U	0.059 U	0.051 U
2-Butanone (MEK)	0.12	0.0093 U	0.0094 U	0.014 U	0.012 U	0.014 U	0.012 U	0.012 U	0.28 U	0.011 U	0.010 U	0.012 U	0.010 U
2-Hexanone	NA	0.0093 U	0.0094 U	0.014 U	0.012 U	0.014 U	0.012 U	0.012 U	0.28 U	0.011 U	0.010 U	0.012 U	0.010 U
4-Methyl-2-pentanone	NA	0.0093 U	0.0094 U	0.014 U	0.012 U	0.014 U	0.012 U	0.012 U	0.28 U	0.011 U	0.010 U	0.012 U	0.010 U
Acetone	0.05	0.031	0.0094 U	0.028	0.012 U	0.014 U	0.012 U	0.0048 J	0.28 U	0.011 U	0.010 U	0.012 U	0.010 U
Benzene	0.06	0.00093 U	0.00094 U	0.0014 U	0.0012 U	0.0014 U	0.0012 U	0.0012 U	0.055 U	0.0011 U	0.0010 U	0.0012 U	0.0010 U
Bromochloromethane	NA	0.00093 U	0.00094 U	0.0014 U	0.0012 U	0.0014 U	0.0012 U	0.0012 U	0.055 U	0.0011 U	0.0010 U	0.0012 U	0.0010 U
Bromodichloromethane	NA	0.00093 U	0.00094 U	0.0014 U	0.0012 U	0.0014 U	0.0012 U	0.0012 U	0.055 U	0.0011 U	0.0010 U	0.0012 U	0.0010 U
Bromoform	NA	0.00093 U	0.00094 U	0.0014 U	0.0012 U	0.0014 U	0.0012 U	0.0012 U	0.055 U	0.0011 U	0.0010 U	0.0012 U	0.0010 U
Bromomethane	NA	0.00093 U	0.00094 U	0.0014 U	0.0012 U	0.0014 U	0.0012 U	0.0012 U	0.055 U	0.0011 U	0.0010 U	0.0012 U	0.0010 U
Carbon disulfide	NA	0.00093 U	0.00094 U	0.0014 U	0.0012 U	0.0014 U	0.0012 U	0.0012 U	0.055 U	0.0011 U	0.0010 U	0.0012 U	0.0010 U
Carbon tetrachloride	0.76	0.00093 U	0.00094 U	0.0014 U	0.0012 U	0.0014 U	0.0012 U	0.0012 U	0.055 U	0.0011 U	0.0010 U	0.0012 U	0.0010 U
Chlorobenzene	1.1	0.00093 U	0.00094 U	0.0014 U	0.0012 U	0.0014 U	0.0012 U	0.0012 U	0.055 U	0.0011 U	0.0010 U	0.0012 U	0.0010 U
Chloroethane	NA	0.00093 U	0.00094 U	0.0014 U	0.0012 U	0.0014 U	0.0012 U	0.0012 U	0.055 U *	0.0011 U	0.0010 U	0.0012 U	0.0010 U
Chloroform	0.37	0.00093 U	0.00094 U	0.0014 U	0.0012 U	0.0014 U	0.0012 U	0.0012 U	0.055 U	0.0011 U	0.0010 U	0.0012 U	0.0010 U
Chloromethane	NA	0.00093 U	0.00094 U	0.0014 U	0.0012 U	0.0014 U	0.0012 U	0.0012 U	0.055 U	0.0011 U	0.0010 U	0.0012 U	0.0010 U
cis-1,2-Dichloroethene	0.25	0.10	0.00072 J	0.0096	0.00084 J	0.0014 U	0.0012 U	0.00037 J	0.021 J	0.00031 J	0.0010 U	0.0012 U	0.00031 J
cis-1,3-Dichloropropene	NA	0.00093 U	0.00094 U	0.0014 U	0.0012 U	0.0014 U	0.0012 U	0.0012 U	0.055 U	0.0011 U	0.0010 U	0.0012 U	0.0010 U
Cyclohexane	NA	0.00093 U	0.00094 U	0.0014 U	0.0012 U	0.0014 U	0.0012 U	0.0012 U	0.055 U	0.0011 U	0.0010 U	0.0012 U	0.0010 U
Dibromochloromethane	NA	0.00093 U	0.00094 U	0.0014 U	0.0012 U	0.0014 U	0.0012 U	0.0012 U	0.055 U	0.0011 U	0.0010 U	0.0012 U	0.0010 U
Dichlorodifluoromethane	NA	0.00093 U	0.00094 U	0.0014 U	0.0012 U	0.0014 U	0.0012 U	0.0012 U	0.055 U	0.0011 U	0.0010 U	0.0012 U	0.0010 U
Ethylbenzene	1	0.00093 U	0.00094 U	0.0014 U	0.0012 U	0.0014 U	0.0012 U	0.0012 U	0.055 U	0.0011 U	0.0010 U	0.0012 U	0.0010 U
Freon 113	NA	0.00093 U	0.00094 U	0.0014 U	0.0012 U	0.0014 U	0.0012 U	0.0012 U	0.055 U	0.0011 U	0.0010 U	0.0012 U	0.0010 U
Isopropylbenzene	NA	0.00093 U	0.00094 U	0.0014 U	0.0012 U	0.0014 U	0.0012 U	0.0012 U	0.055 U	0.0011 U	0.0010 U	0.0012 U	0.0010 U
m&p-Xylene	0.26	0.0019 U	0.00081 J	0.0029 U	0.0025 U	0.0029 U	0.0024 U	0.0024 U	0.11 U	0.0023 U	0.0020 U	0.0024 U	0.0020 U
Methyl acetate	NA	0.00093 U	0.00094 U	0.0014 U	0.0012 U	0.0014 U	0.0012 U	0.0012 U	0.11 U	0.0011 U	0.0010 U	0.0012 U	0.0010 U
Methylcyclohexane	NA	0.00093 U	0.00094 U	0.0014 U	0.0012 U	0.0014 U	0.0012 U	0.0012 U	0.055 U	0.0011 U	0.0010 U	0.0012 U	0.0010 U
Methylene Chloride	0.05	0.00093 U	0.00094 U	0.0014 U	0.0012 U	0.0014 U	0.0012 U	0.00081 J B	0.055 U	0.0011 U	0.0010 U	0.0012 U	0.0010 U
MTBE	0.93	0.00093 U	0.00094 U	0.0014 U	0.0012 U	0.0014 U	0.0012 U	0.0012 U	0.055 U	0.0011 U	0.0010 U	0.0012 U	0.0010 U
o-Xylene	0.26	0.00093 U	0.00094 U	0.0014 U	0.0012 U	0.0014 U	0.0012 U	0.0012 U	0.055 U	0.0011 U	0.0010 U	0.0012 U	0.0010 U
Styrene	NA	0.00025 J	0.00031 J	0.0014 U	0.0012 U	0.0014 U	0.0012 U	0.0012 U	0.055 U	0.0011 U	0.0010 U	0.0012 U	0.0010 U
Tetrachloroethene	1.3	0.00093 U	0.00094 U	0.0014 U	0.0012 U	0.0014 U	0.0012 U	0.0012 U	0.055 U	0.0011 U	0.0010 U	0.0012 U	0.0010 U
Toluene	0.7	0.14	0.067	0.075	0.41	0.27	0.0046	0.21	9.5	0.034	0.024	0.0021	0.046
trans-1,2-Dichloroethene	0.19	0.00093 U	0.00094 U	0.0014 U	0.0012 U	0.0014 U	0.0012 U	0.00042 J	0.055 U	0.0011 U	0.0010 U	0.0012 U	0.0010 U
trans-1,3-Dichloropropene	NA	0.00033 J	0.00094 U	0.0014 U	0.0012 U	0.0014 U	0.0012 U	0.0012 U	0.055 U	0.0011 U	0.0010 U	0.0012 U	0.0010 U
Trichloroethene	0.47	0.00093 U	0.00094 U	0.0014 U	0.0012 U	0.0014 U	0.0012 U	0.0012 U	0.055 U	0.0011 U	0.0010 U	0.0012 U	0.0010 U
Trichlorofluoromethane	NA	0.050	0.016	0.015	0.087	0.015	0.00020 J	0.035	0.95	0.012	0.0019	0.00064 J	0.014
Vinyl chloride	0.02	0.00093 U	0.00094 U	0.0014 U	0.0012 U	0.0014 U	0.0012 U	0.0012 U	0.055 U	0.0011 U	0.0010 U	0.0012 U	0.0010 U
Xylenes, Total	0.26	0.00099	0.00094 U	0.0014 U	0.0012 U	0.0014 U	0.0012 U	0.0012 U	0.055 U	0.0011 U	0.0010 U	0.0012 U	0.0010 U
Naphthalene	12	0.0028 U	0.0011 J	0.0043 U	0.0037 U	0.0043 U	0.0036 U	0.0036 U	0.17 U	0.0034 U	0.0031 U	0.0035 U	0.0031 U

Notes
J : Indicates an estimated value.
J B : The analyte was found in an associated blank, as well as in the sample.
J N : Indicates an estimated value.
U : Analyzed for but not detected.
Total xylenes SCO utilized for all isomers
Highlighted / bolded indicates analyte exceeded above its respective NYSDEC Unrestricted SCO.
NA - Not Available



Table 4-39
TCL VOCs Soil Analytical Data
Former Wedge Building Area

TCL VOCs (mg/kg)	NYSDEC Unrestricted SCO	Soil Samples Former Wedge Building Area									
		W13	W14	W15	W16	W17	W18			W19	W20
		(6')	(6')	(6')	(6')	(0.5-1.0')	(0.5-1.0')	(5.0-5.5')	(7.0-7.5')	(0.5-1.0')	(0.5-1.0')
1,1,1-Trichloroethane	0.68	0.0010 U	0.0011 U	0.0011 U	0.0010 U	0.00097 U	0.00090 U	0.00092 U	0.00088 U	0.00049 U	0.00093 U
1,1,2,2-Tetrachloroethane	NA	0.0010 U	0.0011 U	0.0011 U	0.0010 U	0.00097 U	0.00090 U	0.00092 U	0.00088 U	0.00049 U	0.00093 U
1,1,2-Trichloroethane	NA	0.0010 U	0.0011 U	0.0011 U	0.0010 U	0.00097 U	0.00090 U	0.00092 U	0.00088 U	0.00049 U	0.00093 U
1,1-Dichloroethane	0.27	0.0010 U	0.0011 U	0.0011 U	0.0010 U	0.00097 U	0.00090 U	0.00092 U	0.00088 U	0.00049 U	0.00093 U
1,1-Dichloroethene	0.33	0.0010 U	0.0011 U	0.0011 U	0.0010 U	0.00097 U	0.00090 U	0.00092 U	0.00088 U	0.00049 U	0.00093 U
1,2,3-Trichlorobenzene	NA	0.0010 U	0.0011 U	0.0011 U	0.0010 U	0.00097 U	0.00090 U	0.00092 U	0.00088 U	0.00049 U	0.00093 U
1,2,4-Trichlorobenzene	NA	0.0010 U	0.0011 U	0.0011 U	0.0010 U	0.00097 U	0.00090 U	0.00092 U	0.00088 U	0.00049 U	0.00093 U
1,2-Dibromo-3-Chloropropane	NA	0.0010 U	0.0011 U	0.0011 U	0.0010 U	0.00097 U	0.00090 U	0.00092 U	0.00088 U	0.00049 U	0.00093 U
1,2-Dibromoethane	NA	0.0010 U	0.0011 U	0.0011 U	0.0010 U	0.00097 U	0.00090 U	0.00092 U	0.00088 U	0.00049 U	0.00093 U
1,2-Dichlorobenzene	1.1	0.0010 U	0.0011 U	0.0011 U	0.0010 U	0.00097 U	0.00090 U	0.00092 U	0.00088 U	0.00049 U	0.00093 U
1,2-Dichloroethane	0.02	0.0010 U	0.0011 U	0.0011 U	0.0010 U	0.00097 U	0.00090 U	0.00092 U	0.00088 U	0.00049 U	0.00093 U
1,2-Dichloropropane	NA	0.0010 U	0.0011 U	0.0011 U	0.0010 U	0.00097 U	0.00090 U	0.00092 U	0.00088 U	0.00049 U	0.00093 U
1,3-Dichlorobenzene	2.4	0.0010 U	0.0011 U	0.0011 U	0.0010 U	0.00097 U	0.00090 U	0.00092 U	0.00088 U	0.00049 U	0.00093 U
1,4-Dichlorobenzene	1.8	0.0010 U	0.0011 U	0.0011 U	0.0010 U	0.00097 U	0.00090 U	0.00092 U	0.00088 U	0.00049 U	0.00093 U
1,4-Dioxane	0.1	0.052 U	0.056 U	0.053 U	0.052 U	0.048 U	0.045 U	0.046 U	0.044 U	0.024 U	0.047 U
2-Butanone (MEK)	0.12	0.010 U	0.011 U	0.011 U	0.010 U	0.0097 U	0.0090 U	0.0092 U	0.0088 U	0.0049 U	0.0093 U
2-Hexanone	NA	0.010 U	0.011 U	0.011 U	0.010 U	0.0097 U	0.0090 U	0.0092 U	0.0088 U	0.0049 U	0.0093 U
4-Methyl-2-pentanone	NA	0.010 U	0.011 U	0.011 U	0.010 U	0.0097 U	0.0090 U	0.0092 U	0.0088 U	0.0049 U	0.0093 U
Acetone	0.05	0.010 U	0.011 U	0.011 U	0.010 U	0.0097 U	0.0090 U	0.0092 U	0.0088 U	0.0049 U	0.0093 U
Benzene	0.06	0.0010 U	0.0011 U	0.0011 U	0.0010 U	0.00097 U	0.00090 U	0.00092 U	0.00088 U	0.00049 U	0.00093 U
Bromochloromethane	NA	0.0010 U	0.0011 U	0.0011 U	0.0010 U	0.00097 U	0.00090 U	0.00092 U	0.00088 U	0.00049 U	0.00093 U
Bromodichloromethane	NA	0.0010 U	0.0011 U	0.0011 U	0.0010 U	0.00097 U	0.00090 U	0.00092 U	0.00088 U	0.00049 U	0.00093 U
Bromoform	NA	0.0010 U	0.0011 U	0.0011 U	0.0010 U	0.00097 U	0.00090 U	0.00092 U	0.00088 U	0.00049 U	0.00093 U
Bromomethane	NA	0.0010 U	0.0011 U	0.0011 U	0.0010 U	0.00097 U	0.00090 U	0.00092 U	0.00088 U	0.00049 U	0.00093 U
Carbon disulfide	NA	0.0010 U	0.0011 U	0.0011 U	0.0010 U	0.00097 U	0.00090 U	0.00092 U	0.00088 U	0.00049 U	0.00093 U
Carbon tetrachloride	0.76	0.0010 U	0.0011 U	0.0011 U	0.0010 U	0.00097 U R	0.00090 U	0.00092 U	0.00088 U	0.00049 U	0.00093 U R
Chlorobenzene	1.1	0.0010 U	0.0011 U	0.0011 U	0.0010 U	0.00097 U	0.00090 U	0.00092 U	0.00088 U	0.00049 U	0.00093 U
Chloroethane	NA	0.0010 U	0.0011 U	0.0011 U	0.0010 U	0.00097 U	0.00090 U	0.00092 U	0.00088 U	0.00049 U	0.00093 U
Chloroform	0.37	0.0010 U	0.0011 U	0.0011 U	0.0010 U	0.00097 U	0.00090 U	0.00092 U	0.00088 U	0.00049 U	0.00093 U
Chloromethane	NA	0.0010 U	0.0011 U	0.0011 U	0.0010 U	0.00097 U	0.00090 U	0.00092 U	0.00088 U	0.00049 U	0.00093 U
cis-1,2-Dichloroethene	0.25	0.0010 U	0.00017 J	0.00013 J	0.00028 J	0.00097 U	0.00090 U	0.00092 U	0.00088 U	0.00049 U	0.00093 U
cis-1,3-Dichloropropene	NA	0.0010 U	0.0011 U	0.0011 U	0.0010 U	0.00097 U	0.00090 U	0.00092 U	0.00088 U	0.00049 U	0.00093 U
Cyclohexane	NA	0.0010 U	0.0011 U	0.0011 U	0.0010 U	0.00097 U	0.00090 U	0.00092 U	0.00088 U	0.00049 U	0.00093 U
Dibromochloromethane	NA	0.0010 U	0.0011 U	0.0011 U	0.0010 U	0.00097 U	0.00090 U	0.00092 U	0.00088 U	0.00049 U	0.00093 U
Dichlorodifluoromethane	NA	0.0010 U	0.0011 U	0.0011 U	0.0010 U	0.00097 U	0.00090 U	0.00092 U	0.00088 U	0.00049 U	0.00093 U
Ethylbenzene	1	0.0010 U	0.0011 U	0.0011 U	0.0010 U	0.00097 U	0.00090 U	0.00092 U	0.00088 U	0.00049 U	0.00093 U
Freon 113	NA	0.0010 U	0.0011 U	0.0011 U	0.0010 U	0.00097 U	0.00090 U	0.00092 U	0.00088 U	0.00049 U	0.00093 U
Isopropylbenzene	NA	0.0010 U	0.0011 U	0.0011 U	0.0010 U	0.00097 U	0.00090 U	0.00092 U	0.00088 U	0.00049 U	0.00093 U
m&p-Xylene	0.26	0.0021 U	0.0022 U	0.0021 U	0.0021 U	0.0019 U	0.0018 U	0.0018 U	0.0018 U	0.00097 U	0.0019 U
Methyl acetate	NA	0.0010 U	0.0011 U	0.0011 U	0.0010 U	0.00097 U	0.00090 U	0.00092 U	0.00088 U	0.00049 U	0.00093 U
Methylcyclohexane	NA	0.0010 U	0.0011 U	0.0011 U	0.0010 U	0.00097 U	0.00090 U	0.00092 U	0.00088 U	0.00049 U	0.00093 U
Methylene Chloride	0.05	0.0010 U	0.0011 U	0.0011 U	0.0010 U	0.00017 J	0.00090 U	0.00092 U	0.00088 U	0.00027 J B	0.00093 U
MTBE	0.93	0.0010 U	0.0011 U	0.0011 U	0.0010 U	0.00097 U	0.00090 U	0.00092 U	0.00088 U	0.00049 U	0.00093 U
o-Xylene	0.26	0.0010 U	0.0011 U	0.0011 U	0.0010 U	0.00097 U	0.00090 U	0.00092 U	0.00088 U	0.00049 U	0.00093 U
Styrene	NA	0.0010 U	0.0011 U	0.0011 U	0.0010 U	0.00097 U	0.00090 U	0.00092 U	0.00088 U	0.00049 U	0.00093 U
Tetrachloroethene	1.3	0.0010 U	0.0011 U	0.0011 U	0.0010 U	0.00014 J	0.00090 U	0.00092 U	0.00088 U	0.00049 U	0.00065 J
Toluene	0.7	0.0077	0.015	0.015	0.036	0.00018 J	0.00090 U	0.00092 U	0.00088 U	0.00049 U	0.00014 J
trans-1,2-Dichloroethene	0.19	0.0010 U	0.0011 U	0.00018 J	0.00017 J	0.00097 U	0.00090 U	0.00092 U	0.00088 U	0.00049 U	0.00093 U
trans-1,3-Dichloropropene	NA	0.0010 U	0.0011 U	0.0011 U	0.0010 U	0.00097 U	0.00090 U	0.00092 U	0.00088 U	0.00049 U	0.00093 U
Trichloroethene	0.47	0.0010 U	0.0011 U	0.0011 U	0.0010 U	0.00097 U	0.00090 U	0.00092 U	0.00088 U	0.00049 U	0.00015 J
Trichlorofluoromethane	NA	0.00040 J	0.0015	0.0053	0.011	0.00097 U	0.00090 U	0.00092 U	0.00088 U	0.00049 U	0.00093 U
Vinyl chloride	0.02	0.0010 U	0.0011 U	0.0011 U	0.0010 U	0.00097 U	0.00090 U	0.00092 U	0.00088 U	0.00049 U	0.00093 U
Xylenes, Total	0.26	0.0010 U	0.0011 U	0.0011 U	0.0010 U	0.0029 U	0.00090 U	0.00092 U	0.00088 U	0.00049 U	0.0028 U
Naphthalene	12	0.0031 U	0.0033 U	0.0032 U	0.0031 U	0.00097 U	0.0027 U	0.0027 U	0.0026 U	0.0015 U	0.0020

Notes

J : Indicates an estimated value.

J B : The analyte was found in an associated blank, as well as in the sample.

J N : Indicates an estimated value.

U : Analyzed for but not detected.

U R: Indicates that value is rejected based upon DUSR review by third party data validator.

Total xylenes SCO utilized for all isomers

Highlighted / bolded indicates analyte exceeded above its respective NYSDEC Unrestricted SCO.

NA - Not Available



Table 4-40
Soil TCL SVOC Analytical Data
Former Wedge Building Area

TCL SVOCs (mg/kg)	NYSDEC Unrestricted SCO	Soil Samples Former Wedge Building Area											
		W1	W2	W3	W4	W5	W6	W7	W8	W-9	W-10	W-11	W-12
		(8')	(8')	(8')	(8')	(5')	(5')	(3.5')	(3.5')	(9')	(9')	(9')	(9')
1,2,4,5-Tetrachlorobenzene	NA	1.8 U R	0.35 U R	0.48 U	0.41 U	0.42 U	0.36 U R	0.36 U R	0.37 U R	0.39 U R	0.34 U R	0.35 U R	0.35 U R
1,4-Dioxane	0.1	1.8 U	0.35 U	0.48 U	0.41 U	0.42 U	0.36 U	0.36 U	0.37 U	0.39 U	0.34 U	0.35 U	0.35 U
2,2'-oxybis[1-chloropropane]	NA	1.8 U	0.35 U	0.48 U	0.41 U	0.42 U	0.36 U	0.36 U	0.37 U	0.39 U	0.34 U	0.35 U	0.35 U
2,3,4,6-Tetrachlorophenol	NA	1.8 U R	0.35 U R	0.48 U	0.41 U	0.42 U	0.36 U	0.36 U	0.37 U	0.39 U R	0.34 U R	0.35 U R	0.35 U R
2,4,5-Trichlorophenol	NA	1.8 U	0.35 U	0.48 U	0.41 U	0.42 U	0.36 U	0.36 U	0.37 U	0.39 U	0.34 U	0.35 U	0.35 U
2,4,6-Trichlorophenol	NA	1.8 U	0.35 U	0.48 U	0.41 U	0.42 U	0.36 U	0.36 U	0.37 U	0.39 U	0.34 U	0.35 U	0.35 U
2,4-Dichlorophenol	NA	1.8 U	0.35 U	0.48 U	0.41 U	0.42 U	0.36 U	0.36 U	0.37 U	0.39 U	0.34 U	0.35 U	0.35 U
2,4-Dimethylphenol	NA	1.8 U	0.35 U	0.48 U	0.41 U	0.42 U	0.36 U	0.36 U	0.37 U	0.39 U	0.34 U	0.35 U	0.35 U
2,4-Dinitrophenol	NA	5.5 U	1.0 U	1.4 U	1.2 U	1.3 U	1.1 U	1.1 U	1.1 U	1.2 U	1.0 U	1.1 U	1.0 U
2,4-Dinitrotoluene	NA	0.37 U	0.070 U	0.097 U	0.083 U	0.084 U	0.072 U	0.072 U	0.075 U	0.080 U	0.069 U	0.071 U	0.070 U
2,6-Dinitrotoluene	NA	0.37 U	0.070 U	0.097 U	0.083 U	0.084 U	0.072 U	0.072 U	0.075 U	0.080 U	0.069 U	0.071 U	0.070 U
2-Chloronaphthalene	NA	1.8 U	0.35 U	0.48 U	0.41 U	0.42 U	0.36 U	0.36 U	0.37 U	0.39 U	0.34 U	0.35 U	0.35 U
2-Chlorophenol	NA	1.8 U	0.35 U	0.48 U	0.41 U	0.42 U	0.36 U	0.36 U	0.37 U	0.39 U	0.34 U	0.35 U	0.35 U
2-Methylnaphthalene	NA	1.8 U	0.35 U	0.48 U	0.41 U	0.42 U	0.36 U	0.36 U	0.37 U	0.32 J	0.16 J	0.35 U	0.052 J
2-Methylphenol	0.33	1.8 U	0.35 U	0.48 U	0.41 U	0.42 U	0.36 U	0.36 U	0.37 U	0.39 U	0.34 U	0.35 U	0.35 U
2-Nitroaniline	NA	3.7 U	0.70 U	0.97 U	0.83 U	0.84 U	0.72 U	0.72 U	0.75 U	0.80 U	0.69 U	0.71 U	0.70 U
2-Nitrophenol	NA	1.8 U	0.35 U	0.48 U	0.41 U	0.42 U	0.36 U	0.36 U	0.37 U	0.39 U	0.34 U	0.35 U	0.35 U
3,3'-Dichlorobenzidine	NA	3.7 U	0.70 U	0.97 U	0.83 U	0.84 U	0.72 U	0.72 U	0.75 U	0.80 U	0.69 U	0.71 U	0.70 U
3-Nitroaniline	NA	3.7 U	0.70 U	0.97 U	0.83 U	0.84 U	0.72 U	0.72 U	0.75 U	0.80 U	0.69 U	0.71 U	0.70 U
4,6-Dinitro-2-methylphenol	NA	5.5 U	1.0 U	1.4 U	1.2 U	1.3 U	1.1 U	1.1 U	1.1 U	1.2 U	1.0 U	1.1 U	1.0 U
4-Bromophenyl phenyl ether	NA	1.8 U	0.35 U	0.48 U	0.41 U	0.42 U	0.36 U	0.36 U	0.37 U	0.39 U	0.34 U	0.35 U	0.35 U
4-Chloro-3-methylphenol	NA	1.8 U	0.35 U	0.48 U	0.41 U	0.42 U	0.36 U	0.36 U	0.37 U	0.39 U	0.34 U	0.35 U	0.35 U
4-Chloroaniline	NA	1.8 U	0.35 U	0.48 U	0.41 U	0.42 U	0.36 U	0.36 U	0.37 U	0.39 U	0.34 U	0.35 U	0.35 U
4-Chlorophenyl phenyl ether	NA	1.8 U	0.35 U	0.48 U	0.41 U	0.42 U	0.36 U	0.36 U	0.37 U	0.39 U	0.34 U	0.35 U	0.35 U
4-Methylphenol	0.33	1.8 U	0.35 U	0.48 U	0.41 U	0.42 U	0.36 U	0.36 U	0.37 U	0.39 U	0.34 U	0.35 U	0.35 U
4-Nitroaniline	NA	3.7 U	0.70 U	0.97 U	0.83 U	0.84 U	0.72 U	0.72 U	0.75 U	0.80 U	0.69 U	0.71 U	0.70 U
4-Nitrophenol	NA	5.5 U	1.0 U	1.4 U	1.2 U	1.3 U	1.1 U	1.1 U	1.1 U	1.2 U	1.0 U	1.1 U	1.0 U
Acenaphthene	20	1.8 U	0.35 U	0.48 U	0.41 U	0.42 U	0.36 U	0.36 U	0.37 U	0.075 J	0.061 J	0.35 U	0.35 U
Acenaphthylene	100	1.8 U	0.35 U	0.48 U	0.41 U	0.42 U	0.36 U	0.36 U	0.37 U	0.39 U	0.34 U	0.35 U	0.35 U
Acetophenone	NA	1.8 U	0.35 U	0.48 U	0.41 U	0.42 U	0.10 J	0.36 U	0.37 U	0.39 U	0.34 U	0.35 U	0.35 U
Anthracene	100	0.45 J	0.35 U	0.48 U	0.41 U	0.42 U	0.36 U	0.16 J	0.048 J	0.39 U	0.10 J	0.35 U	0.35 U
Atrazine	NA	1.8 U	0.35 U	0.48 U	0.41 U	0.42 U	0.36 U	0.36 U	0.37 U	0.39 U	0.34 U	0.35 U	0.35 U
Benzaldehyde	NA	1.8 U	0.35 U	0.48 U	0.41 U	0.42 U	0.44	0.36 U	0.37 U	0.39 U	0.34 U	0.35 U	0.35 U
Benzo[a]anthracene	1	5.5	0.15	0.044 J	0.041 U	0.094	0.47	0.65	0.38	0.039 U	0.40	0.035 U	0.035 U
Benzo[a]pyrene	1	3.1	0.20	0.013 J	0.031 J	0.096	0.52	0.77	0.66	0.039 U	0.49	0.035 U	0.035 U
Benzo[b]fluoranthene	1	7.1	0.30	0.051	0.14	0.22	0.34 J	1.0	0.89	0.039 U	0.55	0.035 U	0.035 U
Benzo[g,h,i]perylene	100	3.3	0.36	0.48 U	0.049 J	0.096 J	0.18	0.59	0.93	0.39 U	0.50	0.35 U	0.35 U
Benzo[k]fluoranthene	0.8	3.6	0.10	0.017 J	0.040 J	0.12	0.36 U	0.38	0.23	0.039 U	0.26	0.035 U	0.035 U
Bis(2-chloroethoxy)methane	NA	1.8 U	0.35 U	0.48 U	0.41 U	0.42 U	0.036 U	0.36 U	0.37 U	0.39 U	0.34 U	0.35 U	0.35 U
Bis(2-chloroethyl)ether	NA	0.18 U	0.035 U	0.048 U	0.041 U	0.042 U	0.36 U	0.036 U	0.037 U	0.039 U	0.034 U	0.035 U	0.035 U
Bis(2-ethylhexyl) phthalate	NA	1.8 U	0.35 U	0.48 U	0.41 U	0.18 J	0.36 U	0.36 U	0.37 U	0.39 U	0.34 U	0.35 U	0.35 U
Butyl benzyl phthalate	NA	1.8 U	0.35 U	0.48 U	0.41 U	0.42 U	0.36 U	0.36 U	0.37 U	0.39 U	0.34 U	0.35 U	0.35 U
Caprolactam	NA	1.8 U	0.35 U	0.48 U	0.41 U	0.42 U	0.36 U	0.36 U	0.37 U	0.39 U	0.34 U	0.35 U	0.35 U
Carbazole	NA	1.8 U	0.35 U	0.48 U	0.41 U	0.42 U	0.47	0.36 U	0.37 U	0.39 U	0.34 U	0.35 U	0.35 U
Chrysene	1	5.9	0.17 J	0.075 J	0.069 J	0.12 J	0.36 U	0.62	0.50	0.39 U	0.46	0.35 U	0.35 U
Dibenz(a,h)anthracene	0.33	1.1	0.049	0.048 U	0.014 J	0.030 J	0.069	0.12	0.16	0.039 U	0.089	0.035 U	0.035 U
Dibenzofuran	7	1.8 U	0.35 U	0.48 U	0.41 U	0.42 U	0.36 U	0.36 U	0.37 U	0.39 U	0.34 U	0.35 U	0.35 U
Diethyl phthalate	NA	1.8 U	0.35 U	0.48 U	0.41 U	0.42 U	0.36 U	0.36 U	0.37 U	0.39 U	0.34 U	0.35 U	0.35 U
Dimethyl phthalate	NA	1.8 U	0.35 U	0.48 U	0.41 U	0.42 U	0.36 U	0.36 U	0.37 U	0.39 U	0.34 U	0.35 U	0.35 U
Di-n-butyl phthalate	NA	1.8 U	0.35 U	0.48 U	0.41 U	0.42 U	0.36 U	0.36 U	0.37 U	0.39 U	0.34 U	0.35 U	0.35 U
Di-n-octyl phthalate	NA	1.8 U	0.35 U	0.48 U	0.41 U	0.42 U	0.36 U	0.36 U	0.37 U	0.39 U	0.34 U	0.35 U	0.35 U
Diphenyl	NA	1.8 U	0.35 U	0.48 U	0.41 U	0.42 U	0.36 U	0.36 U	0.37 U	0.39 U	0.34 U	0.35 U	0.35 U
Fluoranthene	100	7.4	0.23 J	0.48 U	0.41 U	0.076 J	0.76	0.75	0.46	0.39 U	0.89	0.35 U	0.35 U
Fluorene	30	1.8 U	0.35 U	0.48 U	0.41 U	0.42 U	0.36 U	0.36 U	0.37 U	0.39 U	0.048 J	0.35 U	0.35 U
Hexachlorobenzene	0.33	0.18 U	0.035 U	0.048 U	0.041 U	0.042 U	0.036 U	0.036 U	0.037 U	0.039 U	0.034 U	0.035 U	0.035 U
Hexachlorobutadiene	NA	0.37 U	0.070 U	0.097 U	0.083 U	0.084 U	0.072 U	0.072 U	0.075 U	0.080 U	0.069 U	0.071 U	0.070 U
Hexachlorocyclopentadiene	NA	1.8 U	0.35 U	0.48 U	0.41 U	0.42 U	0.36 U	0.36 U	0.37 U	0.39 U	0.34 U	0.35 U	0.35 U
Hexachloroethane	NA	0.18 U	0.035 U	0.048 U	0.041 U	0.042 U	0.036 U	0.036 U	0.037 U	0.039 U	0.034 U	0.035 U	0.035 U
Indeno[1,2,3-cd]pyrene	0.5	3.2	0.43	0.048 U	0.061	0.10	0.30	0.46	1.1	0.039 U	0.35	0.035 U	0.035 U
Isophorone	NA	1.8 U	0.35 U	0.48 U	0.41 U	0.42 U	0.36 U	0.36 U	0.37 U	0.39 U	0.34 U	0.35 U	0.35 U
Naphthalene	12	1.8 U	0.35 U	0.48 U	0.41 U	0.42 U	0.36 U	0.36 U	0.37 U	0.40	0.17 J	0.058 J	0.11 J
Nitrobenzene	NA	0.18 U	0.035 U	0.048 U	0.041 U	0.042 U	0.036 U	0.036 U	0.037 U	0.039 U	0.034 U	0.035 U	0.035 U
N-Nitrosodi-n-propylamine	NA	0.18 U	0.035 U	0.048 U	0.041 U	0.042 U	0.036 U	0.036 U	0.037 U	0.039 U	0.034 U	0.035 U	0.035 U
N-Nitrosodiphenylamine	NA	1.8 U	0.35 U	0.48 U	0.41 U	0.42 U	0.36 U	0.36 U	0.37 U	0.39 U	0.34 U	0.35 U	0.35 U
Pentachlorophenol	0.8	5.5 U	1.0 U	1.4 U	1.2 U	1.3 U	1.1 U	1.1 U	1.1 U	1.2 U	1.0 U	1.1 U	1.0 U
Phenanthrene	100	1.1 J	0.093 J	0.48 U	0.41 U	0.42 U	0.55	0.59	0.12 J	0.39 U	0.42	0.35 U	0.35 U
Phenol	0.33	1.8 U	0.35 U	0.48 U	0.41 U	0.42 U	0.36 U	0.36 U	0.37 U	0.39 U	0.34 U	0.35 U	0.35 U
Pyrene	100	11	0.14 J	0.061 J	0.054 J	0.10 J	0.92	1.6	0.50	0.39 U	0.71	0.35 U	0.35 U
Pyridine	NA	1.8 U	0.35 U	0.48 U	0.41 U	0.42 U	0.36 U	0.36 U	0.37 U	0.39 U	0.34 U	0.35 U	0.35 U

Notes

ND: TIC not detected

J : Indicates an estimated value.

J N : This flag indicates the presumptive evidence of a compound.

U : Analyzed for but not detected.

U R: Indicates that value is rejected based upon DUSR review by third party data validator.

Highlighted / bolded indicates analyte exceeded above its respective NYSDEC Unrestricted SCO.

NA - Not Available



Table 4-40
Soil TCL SVOC Analytical Data
Former Wedge Building Area

TCL SVOCs (mg/kg)	NYSDEC Unrestricted SCO	Soil Samples Former Wedge Building Area									
		W-13	W-14	W-15	W-16	W17	W18			W19	W20
		(6')	(6')	(6')	(6')	(0.5-1.0')	(0.5-1.0')	(5.0-5.5')	(7.0-7.5')	(0.5-1.0')	(0.5-1.0')
1,2,4,5-Tetrachlorobenzene	NA	0.35 U R	7.5 U R	0.35 U R	0.35 U R	0.38 U R	0.37 U	0.34 U	0.34 U	1.9 U	3.7 U R
1,4-Dioxane	0.1	0.35 U	7.5 U	0.35 U	0.35 U	0.38 U	0.37 U	0.34 U	0.34 U	1.9 U	3.7 U
2,2'-oxybis[1-chloropropane]	NA	0.35 U	7.5 U	0.35 U	0.35 U	0.38 U	0.37 U	0.34 U	0.34 U	1.9 U	3.7 U
2,3,4,6-Tetrachlorophenol	NA	0.35 U R	7.5 U R	0.35 U R	0.35 U R	0.38 U	0.37 U	0.34 U	0.34 U	1.9 U	3.7 U
2,4,5-Trichlorophenol	NA	0.35 U	7.5 U	0.35 U	0.35 U	0.38 U	0.37 U	0.34 U	0.34 U	1.9 U	3.7 U
2,4,6-Trichlorophenol	NA	0.35 U	7.5 U	0.35 U	0.35 U	0.38 U	0.37 U	0.34 U	0.34 U	1.9 U	3.7 U
2,4-Dichlorophenol	NA	0.35 U	7.5 U	0.35 U	0.35 U	0.38 U	0.37 U	0.34 U	0.34 U	1.9 U	3.7 U
2,4-Dimethylphenol	NA	0.35 U	7.5 U	0.35 U	0.35 U	0.38 U	0.37 U	0.34 U	0.34 U	1.9 U	3.7 U
2,4-Dinitrophenol	NA	1.1 U	23 U	1.1 U	1.1 U	1.2 U	1.1 U	1.0 U	1.0 U	5.8 U	11 U
2,4-Dinitrotoluene	NA	0.071 U	1.5 U	0.071 U	0.072 U	0.077 U	0.075 U	0.069 U	0.069 U	0.39 U	0.76 U
2,6-Dinitrotoluene	NA	0.071 U	1.5 U	0.071 U	0.072 U	0.077 U	0.075 U	0.069 U	0.069 U	0.39 U	0.76 U
2-Chloronaphthalene	NA	0.35 U	7.5 U	0.35 U	0.35 U	0.38 U	0.37 U	0.34 U	0.34 U	1.9 U	3.7 U
2-Chlorophenol	NA	0.35 U	7.5 U	0.35 U	0.35 U	0.38 U	0.37 U	0.34 U	0.34 U	1.9 U	3.7 U
2-Methylnaphthalene	NA	0.076 J	7.5 U	0.35 U	0.054 J	0.38 U	0.13 J	0.34 U	0.34 U	0.29 J	0.96 J
2-Methylphenol	0.33	0.35 U	7.5 U	0.35 U	0.35 U	0.38 U	0.37 U	0.34 U	0.34 U	1.9 U	3.7 U
2-Nitroaniline	NA	0.71 U	15 U	0.71 U	0.72 U	0.77 U	0.75 U	0.69 U	0.69 U	3.9 U	7.6 U
2-Nitrophenol	NA	0.35 U	7.5 U	0.35 U	0.35 U	0.38 U	0.37 U	0.34 U	0.34 U	1.9 U	3.7 U
3,3'-Dichlorobenzidine	NA	0.71 U	15 U	0.71 U	0.72 U	0.77 U	0.75 U	0.69 U	0.69 U	3.9 U	7.6 U
3-Nitroaniline	NA	0.71 U	15 U	0.71 U	0.72 U	0.77 U	0.75 U	0.69 U	0.69 U	3.9 U	7.6 U
4,6-Dinitro-2-methylphenol	NA	1.1 U	23 U	1.1 U	1.1 U	1.2 U	1.1 U	1.0 U	1.0 U	5.8 U	11 U
4-Bromophenyl phenyl ether	NA	0.35 U	7.5 U	0.35 U	0.35 U	0.38 U	0.37 U	0.34 U	0.34 U	1.9 U	3.7 U
4-Chloro-3-methylphenol	NA	0.35 U	7.5 U	0.35 U	0.35 U	0.38 U	0.37 U	0.34 U	0.34 U	1.9 U	3.7 U
4-Chloroaniline	NA	0.35 U	7.5 U	0.35 U	0.35 U	0.38 U	0.37 U	0.34 U	0.34 U	1.9 U	3.7 U
4-Chlorophenyl phenyl ether	NA	0.35 U	7.5 U	0.35 U	0.35 U	0.38 U	0.37 U	0.34 U	0.34 U	1.9 U	3.7 U
4-Methylphenol	0.33	0.35 U	7.5 U	0.35 U	0.35 U	0.38 U	0.37 U	0.34 U	0.34 U	1.9 U	3.7 U
4-Nitroaniline	NA	0.71 U	15 U	0.71 U	0.72 U	0.77 U	0.75 U	0.69 U	0.69 U	3.9 U	7.6 U
4-Nitrophenol	NA	1.1 U	23 U	1.1 U	1.1 U	1.2 U	1.1 U	1.0 U	1.0 U	5.8 U	11 U
Acenaphthene	20	0.12 J	4.0 J	0.16 J	0.28 J	0.38 U	0.16 J	0.34 U	0.34 U	1.0 J	3.3 J
Acenaphthylene	100	0.35 U	7.5 U	0.35 U	0.35 U	0.38 U	0.37 U	0.34 U	0.34 U	1.9 U	3.7 U
Acetophenone	NA	0.35 U	7.5 U	0.35 U	0.35 U	0.38 U	0.37 U	0.34 U	0.34 U	1.9 U	3.7 U
Anthracene	100	0.57	12	0.70	1.0	0.38 U	0.36 J	0.34 U	0.34 U	3.2	6.9
Atrazine	NA	0.35 U	7.5 U	0.35 U	0.35 U	0.38 U	0.37 U	0.34 U	0.34 U	1.9 U	3.7 U
Benzaldehyde	NA	0.35 U	7.5 U	0.35 U	0.35 U	0.38 U	0.37 U	0.34 U	0.34 U	1.9 U	3.7 U
Benzo[a]anthracene	1	1.4	34	1.6	3.3	0.15	1.2	0.034 U	0.034 U	6.8	17
Benzo[a]pyrene	1	1.3	32	1.5	3.1	0.15	1.2	0.034 U	0.034 U	6.1	14
Benzo[b]fluoranthene	1	1.6	35	1.7	3.7	0.17	1.3	0.034 U	0.034 U	8.6	14
Benzo[g,h,i]perylene	100	0.78	15	0.73	1.6	0.082 J	0.45	0.34 U	0.34 U	3.7	7.0
Benzo[k]fluoranthene	0.8	0.61	14	0.59	1.3	0.038 U	0.56	0.034 U	0.034 U	2.9	4.3
Bis(2-chloroethoxy)methane	NA	0.35 U	7.5 U	0.35 U	0.35 U	0.38 U	0.37 U	0.34 U	0.34 U	1.9 U	3.7 U
Bis(2-chloroethyl)ether	NA	0.035 U	0.75 U	0.035 U	0.035 U	0.038 U	0.037 U	0.034 U	0.034 U	0.19 U	0.37 U
Bis(2-ethylhexyl) phthalate	NA	0.35 U	7.5 U	0.35 U	0.35 U	0.38 U	0.37 U	0.34 U	0.34 U	1.9 U	3.7 U
Butyl benzyl phthalate	NA	0.35 U	7.5 U	0.35 U	0.35 U	0.38 U	0.37 U	0.34 U	0.34 U	1.9 U	3.7 U
Caprolactam	NA	0.35 U	7.5 U	0.35 U	0.35 U	0.38 U	0.37 U	0.34 U	0.34 U	1.9 U	3.7 U
Carbazole	NA	0.14 J	2.7 J	0.14 J	0.27 J	0.38 U	0.11 J	0.34 U	0.34 U	2.4	1.3 J
Chrysene	1	1.6	38	1.8	3.4	0.19 J	1.4	0.34 U	0.34 U	8.1	20
Dibenz(a,h)anthracene	0.33	0.16	3.8	0.20	0.45	0.019 J	0.12	0.034 U	0.034 U	0.95	1.9
Dibenzofuran	7	0.069 J	1.3 J	0.067 J	0.10 J	0.38 U	0.047 J	0.34 U	0.34 U	1.2 J	0.96 J
Diethyl phthalate	NA	0.35 U	7.5 U	0.35 U	0.35 U	0.38 U	0.37 U	0.34 U	0.34 U	1.9 U	3.7 U
Dimethyl phthalate	NA	0.35 U	7.5 U	0.35 U	0.35 U	0.38 U	0.37 U	0.34 U	0.34 U	1.9 U	3.7 U
Di-n-butyl phthalate	NA	0.16 J	7.5 U	0.35 U	0.094 J	0.38 U	0.047 J	0.34 U	0.34 U	1.9 U	3.7 U
Di-n-octyl phthalate	NA	0.35 U	7.5 U	0.35 U	0.35 U	0.38 U	0.37 U	0.34 U	0.34 U	1.9 U	3.7 U
Diphenyl	NA	0.35 U	7.5 U	0.35 U	0.35 U	0.38 U	0.37 U	0.34 U	0.34 U	1.9 U	3.7 U
Fluoranthene	100	3.4	84	4.0	6.9	0.25 J	2.5	0.34 U	0.34 U	22	23
Fluorene	30	0.13 J	3.8 J	0.16 J	0.22 J	0.38 U	0.11 J	0.34 U	0.34 U	1.1 J	2.2 J
Hexachlorobenzene	0.33	0.035 U	0.75 U	0.035 U	0.035 U	0.038 U	0.037 U	0.034 U	0.034 U	0.19 U	0.37 U
Hexachlorobutadiene	NA	0.071 U	1.5 U	0.071 U	0.072 U	0.077 U	0.075 U	0.069 U	0.069 U	0.39 U	0.76 U
Hexachlorocyclopentadiene	NA	0.35 U	7.5 U	0.35 U	0.35 U	0.38 U	0.37 U	0.34 U	0.34 U	1.9 U	3.7 U
Hexachloroethane	NA	0.035 U	0.75 U	0.035 U	0.035 U	0.038 U	0.037 U	0.034 U	0.034 U	0.19 U	0.37 U
Indeno[1,2,3-cd]pyrene	0.5	0.89	15	0.75	1.8	0.075	0.58	0.034 U	0.034 U	4.6	7.5
Isophorone	NA	0.35 U	7.5 U	0.35 U	0.35 U	0.38 U	0.37 U	0.34 U	0.34 U	1.9 U	3.7 U
Naphthalene	12	0.15 J	7.5 U	0.047 J	0.081 J	0.38 U	0.17 J	0.34 U	0.34 U	0.50 J	0.63 J
Nitrobenzene	NA	0.035 U	0.75 U	0.035 U	0.035 U	0.038 U	0.037 U	0.034 U	0.034 U	0.19 U	0.37 U
N-Nitrosodi-n-propylamine	NA	0.035 U	0.75 U	0.035 U	0.035 U	0.038 U	0.037 U	0.034 U	0.034 U	0.19 U	0.37 U
N-Nitrosodiphenylamine	NA	0.35 U	7.5 U	0.35 U	0.35 U	0.38 U	0.37 U	0.34 U	0.34 U	1.9 U	3.7 U
Pentachlorophenol	0.8	1.1 U	23 U	1.1 U	1.1 U	1.2 U	1.1 U	1.0 U	1.0 U	5.8 U	11 U
Phenanthrene	100	2.3	69	3.3	4.9	0.33 J	2.4	0.34 U	0.34 U	24	47
Phenol	0.33	0.35 U	7.5 U	0.35 U	0.35 U	0.38 U	0.37 U	0.34 U	0.34 U	1.9 U	3.7 U
Pyrene	100	2.9	75	3.6	6.2	0.46	2.6	0.34 U	0.34 U	16	50
Pyridine	NA	0.35 U	7.5 U	0.35 U	0.35 U	0.38 U	0.37 U	0.34 U	0.34 U	1.9 U	3.7 U

Notes

ND: TIC not detected

J : Indicates an estimated value.

J N : This flag indicates the presumptive evidence of a compound.

U : Analyzed for but not detected.

U R: Indicates that value is rejected based upon DUSR review by third party data validator.

Highlighted / bolded indicates analyte exceeded above its respective NYSDEC Unrestricted SCO.

NA - Not Available



Table 4-41
TAL Metals Soil Analytical Data
Former Wedge Building Area

TAL Metals (mg/kg)	NYSDEC Unrestricted SCO	Soil Samples Former Wedge Building Area											
		W-1	W-2	W-3	W-4	W-5	W-6	W-7	W-8	W-9	W-10	W-11	W-12
		(8')	(8')	(8')	(8')	(5')	(5')	(3.5')	(3.5')	(9')	(9')	(9')	(9')
Aluminum	NA	7,450	4,740	7,910	5,750	9,570	32,100	6,820	49	5,330	2,450	3,040	1,660
Antimony	NA	2.2 U	2.0 U	2.1 U	2.3 U	2.5 U	2.2 U	2.1 U	0.020 U	2.3 U	1.8 U	2.0 U	2.1 U
Arsenic	13	5.3	4.1	2.7	4.0	6.6	7.9	3.9	0.039	2.1	1.2	1.0 U	1.1
Barium	350	50.8	49.0	41.8 J	49.5	66.3	123	66.7	0.50	22.8 J	19.7 J	13.2 J	6.8 J
Beryllium	7.2	0.34 J	0.15 J	0.38 J	0.17 J	0.40 J	1.0	0.22 J	0.0019 J	0.25 J	0.36 U	0.18 J	0.42 U
Cadmium	2.5	1.1 U	0.98 U	1.1 U	1.1 U	1.2 U	1.1 U	1.1 U	0.0015 J	1.2 U	0.91 U	1.0 U	1.0 U
Calcium	NA	594 J	4,120	426 J	1,790	910 J	903 J	938 J	56	501 J	875 J	184 J	116 J
Chromium ¹	30	18.5	15.4	18.9	12.3	17.4	6.4	13.9	0.12	14.7	5.9	8.1	5.0
Cobalt	NA	9.4 J	6.2 J	12.3	4.9 J	7.4 J	15.4	4.2 J	0.047 J	7.6 J	1.8 J	4.5 J	2.3 J
Copper	50	9.5	31.6	14.2	6.5	11.6	321	5.9	0.11	8.0	6.6	6.8	3.2 J
Iron	NA	19,100	23,600	20,300	11,700	22,900	49,900	13,800	106	6,510	6,770	3,840	3,840
Lead	63	12.7	13.9	7.4	7.4	24.8	28.6	11.7	0.34	5.7	6.4	4.5	2.5
Magnesium	NA	2,090	1,420	2,090	1,450	2,120	1,820	1,770	17	1,520	517 J	774 J	319 J
Manganese	1,600	390	622	629	800	495	507	1,110	7.4	159	399	94.2	35.3
Nickel	30	13.6	15.2	17.5	8.7 J	12.9	5.2 J	8.9	0.081	10.7	3.6 J	5.8 J	3.6 J
Potassium	NA	984 J	769 J	1,400	672 J	836 J	1,680	408 J	7.1 J	794 J	186 J	433 J	201 J
Selenium	3.9	2.2 U	2.0 U	2.1 U	2.3 U	2.5 U	2.2 U	2.1 U	0.020 U	2.3 U	1.8 U	2.0 U	2.1 U
Silver	2	2.2 U	5.6	2.1 U	2.3 U	2.5 U	2.2 U	2.1 U	0.0020 J B	2.3 U	1.8 U	2.0 U	2.1 U
Sodium	NA	1,090 U	198 J	1,050 U	1,150 U	1,250 U	1,080 U	1,070 U	10 U	1,170 U	910 U	1,010 U	1,050 U
Thallium	NA	2.2 U	2.0 U	2.1 U	2.3 U	2.5 U	2.2 U	2.1 U	0.020 U	2.3 U	1.8 U	2.0 U	2.1 U
Vanadium	NA	20.5	14.2	27.4	15.8	22.1	13.5	15.2	0.14	16.9	5.9 J	10.2	8.7 J
Zinc	109	44.0	162	46.0	26.7	43.1	111	26.7	0.60	31.6	33.0	16.7	8.8
Mercury	0.18	0.019 U	0.016 J	0.024 U	0.020 U	0.035	0.017 J	0.021	0.037	0.014 J	0.018 U	0.018 U	0.017 U

Notes
J : Sample result is greater than the MDL but below the CRDL
U : Indicates analyzed for but not detected.
¹ Trivalent chromium SCOs utilized.
Highlighted / bolded indicates analyte exceeded above its respective NYSDEC Unrestricted SCO.
NA - Not Available



Table 4-41
TAL Metals Soil Analytical Data
Former Wedge Building Area

TAL Metals (mg/kg)	NYSDEC Unrestricted SCO	Soil Samples Former Wedge Building Area									
		W-13	W-14	W-15	W-16	W-17	W-18		W-19	W-20	
		(6')	(6')	(6')	(6')	(0.5-1.0')	(0.5-1.0')	(5.0-5.5')	(7.0-7.5')	(0.5-1.0')	(0.5-1.0')
Aluminum	NA	3,720	5,500	5,120	5,290	13,300	7,990	1,160	1,280	9,540	9,670
Antimony	NA	1.8 U	2.1 U	1.9 U	1.9 U	2.0 U	1.8 U	1.5 U	1.6 U	1.8 U	2.0 U
Arsenic	13	1.3	5.7	3.0	5.5	4.8	3.1	0.76 U	2.2	4.3	9.3
Barium	350	16.7 J	74.5	39.3	78.1	50.8	52.1	6.3 J	12.9 J	47.5	190
Beryllium	7.2	0.37 U	0.41 U	0.38 U	0.38 U	0.45	0.25 J	0.30 U	0.32 U	0.21 J	0.41
Cadmium	2.5	0.92 U	1.0 U	0.95 U	0.94 U	1.0 U	0.19 J	0.76 U	0.79 U	0.92 U	0.31 J
Calcium	NA	613 J	6,140	598 J	1,810	1,010	4,470	260 J	159 J	1,120	2,010
Chromium ¹	30	11.8	13.0	11.3	13.2	21.7	13.0	2.4	8.0	15.9	18.4
Cobalt	NA	2.6 J	4.8 J	4.0 J	4.0 J	9.5 J	4.4 J	0.91 J	1.3 J	6.0 J	5.9 J
Copper	50	3.0 J	10.1	7.2	10.8	10.6	5.7	2.0 J	3.2 J	7.5	35.3
Iron	NA	8,930	14,600	10,800	13,100	25,400	13,400	3,250	5,570	17,200	14,100
Lead	63	2.9	28.0	13.5	45.4	11.2	17.9	1.1	1.9	15.3	183
Magnesium	NA	1,550	1,710	1,270	1,450	2,690	2,780	264 J	316 J	2,190	1,990
Manganese	1,600	517	1,400	763	688	330	522	81.7	219	795	190
Nickel	30	5.6 J	8.7	7.1 J	8.7	11.9	8.5	2.3 J	3.2 J	10.3	11.8
Potassium	NA	252 J	570 J	571 J	491 J	791 J	570 J	143 J	185 J	585 J	541 J
Selenium	3.9	1.8 U	2.1 U	1.9 U	1.9 U	1.4 J	1.8 U	1.5 U	1.6 U	1.8 U	2.0 U
Silver	2	1.8 U	2.1 U	1.9 U	6.2	2.0 U	1.8 U	1.5 U	1.6 U	1.8 U	2.0 U
Sodium	NA	915 U	1,040 U	951 U	945 U	1,000 U	895 U	756 U	790 U	916 U	1,020 U
Thallium	NA	1.8 U	2.1 U	1.9 U	1.9 U	2.0 U	1.8 U	1.5 U	1.6 U	1.8 U	2.0 U
Vanadium	NA	10	14.8	12.4	16.3	32.5	33.8	2.8 J	5.0 J	21.6	26.6
Zinc	109	15.3	139	27.3	57.3	32.3	50.4	4.5	7.1	36.1	138
Mercury	0.18	0.017 U	0.038	0.017	0.028	0.021	0.14	0.017 U	0.017 U	0.028	0.071

Notes
J : Sample result is greater than the MDL but below the CRDL
U : Indicates analyzed for but not detected.
¹ Trivalent chromium SCOs utilized.
Highlighted / bolded indicates analyte exceeded above its respective NYSDEC Unrestricted SCO.
NA - Not Available



Table 4-42
TCL VOCs Soil Analytical Data
Former Columbia C2 and C3 Building Areas

TCL VOCs (mg/kg)	NYSDEC Unrestricted SCO	Soil Samples															
		Columbia C2									Columbia C3						
		C2-1 (0.5-1.0')	C2-2 (0.5-1.0')	C2-2 (1.5-2.0')	C2-3 (4.0-4.5')	C2-3 (0.5-1.0')	C2-4 (0.5-1.0')	C2-4 (4.0-4.5')	C2-4 (7.0-7.5')	C3-1 (0.5-1.0')	C3-1 (2.0-2.5')	C3-1 (7.0-7.5')	C3-2 (0.5-1.0')	C3-3 (0.5-1.0')	C3-3 (4.0-4.5')	C3-3 (6.5-7.0')	C3-4 (0.5-1.0')
1,1,1-Trichloroethane	0.68	0.00098 U	0.00086 U	0.00098 U	0.00087 U	0.00096 U	0.0011 U	0.00097 U	0.0010 U	0.00094 U	0.00092 U	0.0011 U	0.0010 U	0.00050 U	0.00077 U	0.0010 U	0.0010 U
1,1,2,2-Tetrachloroethane	NA	0.00098 U	0.00086 U	0.00098 U	0.00087 U	0.00096 U	0.0011 U	0.00097 U	0.0010 U	0.00094 U	0.00092 U	0.0011 U	0.0010 U	0.00050 U	0.00077 U	0.0010 U	0.0010 U
1,1,2-Trichloroethane	NA	0.00098 U	0.00086 U	0.00098 U	0.00087 U	0.00096 U	0.0011 U	0.00097 U	0.0010 U	0.00094 U	0.00092 U	0.0011 U	0.0010 U	0.00050 U	0.00077 U	0.0010 U	0.0010 U
1,1-Dichloroethane	0.27	0.00098 U	0.00086 U	0.00098 U	0.00087 U	0.00096 U	0.0011 U	0.00097 U	0.0010 U	0.00094 U	0.00092 U	0.0011 U	0.0010 U	0.00050 U	0.00077 U	0.0010 U	0.0010 U
1,1-Dichloroethene	0.33	0.00098 U	0.00086 U	0.00098 U	0.00087 U	0.00096 U	0.0011 U	0.00097 U	0.0010 U	0.00094 U	0.00092 U	0.0011 U	0.0010 U	0.00050 U	0.00077 U	0.0010 U	0.0010 U
1,2,3-Trichlorobenzene	NA	0.00098 U	0.00086 U	0.00098 U	0.00087 U	0.00096 U	0.0011 U	0.00097 U	0.0010 U	0.00094 U	0.00092 U	0.0011 U	0.0010 U	0.00050 U	0.00077 U	0.0010 U	0.0010 U
1,2,4-Trichlorobenzene	NA	0.00098 U	0.00086 U	0.00098 U	0.00087 U	0.00096 U	0.0011 U	0.00097 U	0.0010 U	0.00094 U	0.00092 U	0.0011 U	0.0010 U	0.00050 U	0.00077 U	0.0010 U	0.0010 U
1,2-Dibromo-3-Chloropropane	NA	0.00098 U	0.00086 U	0.00098 U	0.00087 U	0.00096 U	0.0011 U	0.00097 U	0.0010 U	0.00094 U	0.00092 U	0.0011 U	0.0010 U	0.00050 U	0.00077 U	0.0010 U	0.0010 U
1,2-Dibromoethane	NA	0.00098 U	0.00086 U	0.00098 U	0.00087 U	0.00096 U	0.0011 U	0.00097 U	0.0010 U	0.00094 U	0.00092 U	0.0011 U	0.0010 U	0.00050 U	0.00077 U	0.0010 U	0.0010 U
1,2-Dichlorobenzene	1.1	0.00098 U	0.00086 U	0.00098 U	0.00087 U	0.00096 U	0.0011 U	0.00097 U	0.0010 U	0.00094 U	0.00092 U	0.0011 U	0.0010 U	0.00050 U	0.00077 U	0.0010 U	0.0010 U
1,2-Dichloroethane	0.02	0.00098 U	0.00086 U	0.00098 U	0.00087 U	0.00096 U	0.0011 U	0.00097 U	0.0010 U	0.00094 U	0.00092 U	0.0011 U	0.0010 U	0.00050 U	0.00077 U	0.0010 U	0.0010 U
1,2-Dichloropropane	NA	0.00098 U	0.00086 U	0.00098 U	0.00087 U	0.00096 U	0.0011 U	0.00097 U	0.0010 U	0.00094 U	0.00092 U	0.0011 U	0.0010 U	0.00050 U	0.00077 U	0.0010 U	0.0010 U
1,3-Dichlorobenzene	2.4	0.00098 U	0.00086 U	0.00098 U	0.00087 U	0.00096 U	0.0011 U	0.00097 U	0.0010 U	0.00094 U	0.00092 U	0.0011 U	0.0010 U	0.00050 U	0.00077 U	0.0010 U	0.0010 U
1,4-Dichlorobenzene	1.8	0.00098 U	0.00086 U	0.00098 U	0.00087 U	0.00096 U	0.0011 U	0.00097 U	0.0010 U	0.00094 U	0.00092 U	0.0011 U	0.0010 U	0.00050 U	0.00077 U	0.0010 U	0.0010 U
1,4-Dioxane	0.1	0.049 U	0.043 U	0.049 U	0.043 U	0.048 U	0.053 U	0.049 U	0.051 U	0.047 U	0.046 U	0.055 U	0.052 U	0.025 U	0.038 U	0.052 U	0.051 U
2-Butanone (MEK)	0.12	0.0098 U	0.0086 U	0.0098 U	0.0087 U	0.0096 U	0.011 U	0.0097 U	0.010 U	0.0094 U	0.0092 U	0.011 U	0.010 U	0.0050 U	0.0077 U	0.010 U	0.010 U
2-Hexanone	NA	0.0098 U	0.0086 U	0.0098 U	0.0087 U	0.0096 U	0.011 U	0.0097 U	0.010 U	0.0094 U	0.0092 U	0.011 U	0.010 U	0.0050 U	0.0077 U	0.010 U	0.010 U
4-Methyl-2-pentanone	NA	0.0098 U	0.0086 U	0.0098 U	0.0087 U	0.0096 U	0.011 U	0.0097 U	0.010 U	0.0094 U	0.0092 U	0.011 U	0.010 U	0.0050 U	0.0077 U	0.010 U	0.010 U
Acetone	0.05	0.0098 U	0.0086 U	0.0098 U	0.0087 U	0.0096 U	0.0042 J B	0.0097 U	0.010 U	0.0094 U	0.0092 U	0.011 U	0.010 U	0.0050 U	0.0077 U	0.010 U	0.010 U
Benzene	0.06	0.00098 U	0.00086 U	0.00098 U	0.00087 U	0.00096 U	0.00094 U	0.00097 U	0.0010 U	0.00094 U	0.00092 U	0.0011 U	0.0010 U	0.00050 U	0.00077 U	0.0010 U	0.0010 U
Bromochloromethane	NA	0.00098 U	0.00086 U	0.00098 U	0.00087 U	0.00096 U	0.0011 U	0.00097 U	0.0010 U	0.00094 U	0.00092 U	0.0011 U	0.0010 U	0.00050 U	0.00077 U	0.0010 U	0.0010 U
Bromodichloromethane	NA	0.00098 U	0.00086 U	0.00098 U	0.00087 U	0.00096 U	0.0011 U	0.00097 U	0.0010 U	0.00094 U	0.00092 U	0.0011 U	0.0010 U	0.00050 U	0.00077 U	0.0010 U	0.0010 U
Bromoform	NA	0.00098 U	0.00086 U	0.00098 U	0.00087 U	0.00096 U	0.0011 U	0.00097 U	0.0010 U	0.00094 U	0.00092 U	0.0011 U	0.0010 U	0.00050 U	0.00077 U	0.0010 U	0.0010 U
Bromomethane	NA	0.00098 U	0.00086 U	0.00098 U	0.00087 U	0.00096 U	0.0011 U	0.00097 U	0.0010 U	0.00094 U	0.00092 U	0.0011 U	0.0010 U	0.00050 U	0.00077 U	0.0010 U	0.0010 U
Carbon disulfide	NA	0.00098 U	0.00086 U	0.00098 U	0.00087 U	0.00096 U	0.0011 U	0.00097 U	0.0010 U	0.00094 U	0.00092 U	0.0011 U	0.0010 U	0.00050 U	0.00077 U	0.0010 U	0.0010 U
Carbon tetrachloride	0.76	0.00098 U	0.00086 U	0.00098 U	0.00087 U	0.00096 U	0.0011 U	0.00097 U	0.0010 U	0.00094 U	0.00092 U	0.0011 U	0.0010 U	0.00050 U	0.00077 U	0.0010 U	0.0010 U
Chlorobenzene	1.1	0.00098 U	0.00086 U	0.00098 U	0.00087 U	0.00096 U	0.0011 U	0.00097 U	0.0010 U	0.00094 U	0.00092 U	0.0011 U	0.0010 U	0.00050 U	0.00077 U	0.0010 U	0.0010 U
Chloroethane	NA	0.00098 U	0.00086 U	0.00098 U	0.00087 U	0.00096 U	0.0011 U	0.00097 U	0.0010 U	0.00094 U	0.00092 U	0.0011 U	0.0010 U	0.00050 U	0.00077 U	0.0010 U	0.0010 U
Chloroform	0.37	0.00098 U	0.00086 U	0.00098 U	0.00087 U	0.00096 U	0.0011 U	0.00097 U	0.0010 U	0.00094 U	0.00092 U	0.0011 U	0.0010 U	0.00050 U	0.00077 U	0.0010 U	0.0010 U
Chloromethane	NA	0.00098 U	0.00086 U	0.00098 U	0.00087 U	0.00096 U	0.0011 U	0.00097 U	0.0010 U	0.00094 U	0.00092 U	0.0011 U	0.0010 U	0.00050 U	0.00077 U	0.0010 U	0.0010 U
cis-1,2-Dichloroethene	0.25	0.00014 J	0.00086 U	0.00098 U	0.00087 U	0.00096 U	0.0011 U	0.00097 U	0.0010 U	0.00094 U	0.00092 U	0.0011 U	0.0010 U	0.00050 U	0.00077 U	0.0010 U	0.0010 U
cis-1,3-Dichloropropene	NA	0.00098 U	0.00086 U	0.00098 U	0.00087 U	0.00096 U	0.0011 U	0.00097 U	0.0010 U	0.00094 U	0.00092 U	0.0011 U	0.0010 U	0.00050 U	0.00077 U	0.0010 U	0.0010 U
Cyclohexane	NA	0.00098 U	0.00086 U	0.00098 U	0.00087 U	0.00096 U	0.0011 U	0.00097 U	0.0010 U	0.00094 U	0.00092 U	0.0011 U	0.0010 U	0.00050 U	0.00077 U	0.0010 U	0.0010 U
Dibromochloromethane	NA	0.00098 U	0.00086 U	0.00098 U	0.00087 U	0.00096 U	0.0011 U	0.00097 U	0.0010 U	0.00094 U	0.00092 U	0.0011 U	0.0010 U	0.00050 U	0.00077 U	0.0010 U	0.0010 U
Dichlorodifluoromethane	NA	0.00098 U	0.00086 U	0.00098 U	0.00087 U	0.00096 U	0.0011 U	0.00097 U	0.0010 U	0.00094 U	0.00092 U	0.0011 U	0.0010 U	0.00050 U	0.00077 U	0.0010 U	0.0010 U
Ethylbenzene	1	0.00098 U	0.00086 U	0.00098 U	0.00087 U	0.00096 U	0.0011 U	0.00097 U	0.0010 U	0.00094 U	0.00092 U	0.0011 U	0.0010 U	0.00050 U	0.00077 U	0.0010 U	0.0010 U
Freon 113	NA	0.00098 U	0.00086 U	0.00098 U	0.00087 U	0.00096 U	0.0011 U	0.00097 U	0.0010 U	0.00094 U	0.00092 U	0.0011 U	0.0010 U	0.00050 U	0.00077 U	0.0010 U	0.0010 U
Isopropylbenzene	NA	0.00098 U	0.00086 U	0.00098 U	0.00087 U	0.00096 U	0.0011 U	0.00097 U	0.0010 U	0.00094 U	0.00092 U	0.0011 U	0.0010 U	0.00050 U	0.00077 U	0.0010 U	0.0010 U
m&p-Xylene	0.26	0.0020 U	0.0017 U	0.0020 U	0.0017 U	0.0019 U	0.0021 U	0.0019 U	0.0021 U	0.0019 U	0.0018 U	0.0022 U	0.0021 U	0.0010 U	0.0015 U	0.0021 U	0.0020 U
Methyl acetate	NA	0.00098 U	0.00086 U	0.00098 U	0.00087 U	0.00096 U	0.0011 U	0.00097 U	0.0010 U	0.00094 U	0.00092 U	0.0011 U	0.0010 U	0.00050 U	0.00077 U	0.0010 U	0.0010 U
Methylcyclohexane	NA	0.00098 U	0.00086 U	0.00098 U	0.00087 U	0.00096 U	0.0011 U	0.00097 U	0.0010 U	0.00094 U	0.00092 U	0.0011 U	0.0010 U	0.00050 U	0.00077 U	0.0010 U	0.0010 U
Methylene Chloride	0.05	0.00098 U	0.00086 U	0.00031 J B	0.00087 U	0.00037 J B	0.0011 U	0.00024 J B	0.0010 U	0.00094 U	0.00092 U	0.0011 U	0.0010 U	0.00050 U	0.00077 U	0.0020	0.0010 U
MTBE	0.93	0.00098 U	0.00086 U	0.00098 U	0.00087 U	0.00096 U	0.0011 U	0.00097 U	0.0010 U	0.00094 U	0.00092 U	0.0011 U	0.0010 U	0.00050 U	0.00077 U	0.0010 U	0.0010 U
o-Xylene	0.26	0.00098 U	0.00086 U	0.00098 U	0.00087 U	0.00096 U	0.0011 U	0.00097 U	0.0010 U	0.00094 U	0.00092 U	0.0011 U	0.0010 U	0.00050 U	0.00077 U	0.0010 U	0.0010 U
Styrene	NA	0.00098 U	0.00086 U	0.00098 U	0.00087 U	0.00096 U	0.0011 U	0.00097 U	0.0010 U	0.00094 U	0.00092 U	0.0011 U	0.0010 U	0.00050 U	0.00077 U	0.0010 U	0.0010 U
Tetrachloroethene	1.3	0.00098 U	0.00086 U	0.00098 U	0.00087 U	0.00096 U	0.0011 U	0.00097 U	0.0010 U	0.00094 U	0.00092 U	0.0011 U	0.0010 U	0.00050 U	0.00077 U	0.0010 U	0.0010 U
Toluene	0.7	0.0047	0.00016 J	0.00098 U	0.00026 J	0.00096 U	0.0011 U	0.00097 U	0.0010 U	0.00014 J	0.00019 J	0.0011 U	0.00060 J	0.00050 U	0.00077 U	0.0010 U	0.0010 U
trans-1,2-Dichloroethene	0.19	0.00098 U	0.00086 U	0.00098 U	0.00087 U	0.00096 U	0.0011 U	0.00097 U	0.0010 U	0.00094 U	0.00092 U	0.0011 U	0.0010 U	0.00050 U	0.00077 U	0.0010 U	0.0010 U
trans-1,3-Dichloropropene	NA	0.00098 U	0.00086 U	0.00098 U	0.00087 U	0.00096 U	0.0011 U	0.00097 U	0.0010 U	0.00094 U	0.00092 U	0.0011 U	0.0010 U	0.00050 U	0.00077 U	0.0010 U	0.0010 U
Trichloroethene	0.47	0.00098 U	0.00086 U	0.00098 U	0.00087 U	0.00096 U	0.0011 U	0.00097 U	0.0010 U	0.00094 U	0.00092 U	0.0011 U	0.0010 U	0.00050 U	0.00077 U	0.0010 U	0.0010 U
Trichlorofluoromethane	NA	0.0011	0.00086 U	0.00098 U	0.00087 U	0.00096 U	0.0011 U	0.00097 U	0.0010 U	0.00094 U	0.00092 U	0.0011 U	0.0010 U	0.00050 U	0.00077 U	0.0010 U	0.0010 U
Vinyl chloride	0.02	0.00098 U	0.00086 U	0.00098 U	0.00087 U	0.00096 U	0.0011 U	0.00097 U	0.0010 U	0.00094 U	0.00092 U	0.0011 U	0.0010 U	0.00050 U	0.00077 U	0.0010 U	0.0010 U
Xylenes, Total	0.26	0.00098 U	0.00086 U	0.00098 U	0.00087 U	0.00096 U	0.0011 U	0.00097 U	0.0010 U	0.00094 U	0.00092 U	0.0011 U	0.0010 U	0.00050 U	0.00077 U	0.0010 U	0.0010 U
Naphthalene	12	0.0029 U	0.0026 U	0.0029 U	0.0026 U	0.0029 U	0.0032 U	0.0029 U	0.0031 U	0.0028 U	0.0028 U	0.0033 U	0.0031 U	0.0015 U	0.0023 U	0.	

Notes

J : Indicates an estimated value.

J B : The analyte was found in an associated blank, as well as in the sample.

J N : Indicates an estimated value.

U : Analyzed for but not detected.

Total xylenes SCO utilized for all isomers

Highlighted / bolded indicates analyte exceeded above its respective NYSDEC Unrestricted SCO.

NA - Not Available

Table 4-43
Soil TCL SVOC Analytical Data
Former Columbia C2 and C3 Building Areas

TCL SVOCs (mg/kg)	NYSDEC Unrestricted SCO	Soil Samples															
		Columbia C2								Columbia C3							
		C2-1 (0.5-1.0')	(0.5-1.0')	C2-2 (1.5-2.0')	(4.0-4.5')	C2-3 (0.5-1.0')	C2-4 (0.5-1.0')	(4.0-4.5')	(7.0-7.5')	C3-1 (2.0-2.5')	(7.0-7.5')	C3-2 (0.5-1.0')	(0.5-1.0')	C3-3 (4.0-4.5')	(6.5-7.0')	C3-4 (0.5-1.0')	
1,2,4,5-Tetrachlorobenzene	NA	0.41 U R	0.34 U R	0.39 U R	0.34 U R	0.34 U R	0.34 U	0.34 U	0.34 U	0.37 U	0.40 U	0.35 U	0.35 U	0.35 U	0.34 U	0.35 U	0.34 U
1,4-Dioxane	0.1	0.41 U	0.34 U	0.39 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.37 U	0.40 U	0.35 U	0.35 U	0.35 U	0.34 U	0.35 U	0.34 U
2,2'-oxybis[1-chloropropane]	NA	0.41 U	0.34 U	0.39 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.37 U	0.40 U	0.35 U	0.35 U	0.35 U	0.34 U	0.35 U	0.34 U
2,3,4,6-Tetrachlorophenol	NA	0.41 U	0.34 U	0.39 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.37 U	0.40 U	0.35 U	0.35 U	0.35 U	0.34 U	0.35 U	0.34 U
2,4,5-Trichlorophenol	NA	0.41 U	0.34 U	0.39 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.37 U	0.40 U	0.35 U	0.35 U	0.35 U	0.34 U	0.35 U	0.34 U
2,4,6-Trichlorophenol	NA	0.41 U	0.34 U	0.39 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.37 U	0.40 U	0.35 U	0.35 U	0.35 U	0.34 U	0.35 U	0.34 U
2,4-Dichlorophenol	NA	0.41 U	0.34 U	0.39 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.37 U	0.40 U	0.35 U	0.35 U	0.35 U	0.34 U	0.35 U	0.34 U
2,4-Dimethylphenol	NA	0.41 U	0.34 U	0.39 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.37 U	0.40 U	0.35 U	0.35 U	0.35 U	0.34 U	0.35 U	0.34 U
2,4-Dinitrophenol	NA	1.2 U	1.0 U	1.2 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.1 U	1.2 U	1.1 U	1.1 U	1.1 U	1.0 U	1.1 U	1.0 U
2,4-Dinitrotoluene	NA	0.083 U	0.069 U	0.079 U	0.069 U	0.069 U	0.069 U	0.070 U	0.069 U	0.076 U	0.082 U	0.071 U	0.071 U	0.071 U	0.070 U	0.071 U	0.069 U
2,6-Dinitrotoluene	NA	0.083 U	0.069 U	0.079 U	0.069 U	0.069 U	0.069 U	0.070 U	0.069 U	0.076 U	0.082 U	0.071 U	0.071 U	0.071 U	0.070 U	0.071 U	0.069 U
2-Chloronaphthalene	NA	0.41 U	0.34 U	0.39 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.37 U	0.40 U	0.35 U	0.35 U	0.35 U	0.34 U	0.35 U	0.34 U
2-Chlorophenol	NA	0.41 U	0.34 U	0.39 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.37 U	0.40 U	0.35 U	0.35 U	0.35 U	0.34 U	0.35 U	0.34 U
2-Methylnaphthalene	NA	0.41 U	0.34 U	0.39 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.37 U	0.40 U	0.35 U	0.35 U	0.35 U	0.34 U	0.35 U	0.34 U
2-Methylphenol	0.33	0.41 U	0.34 U	0.39 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.37 U	0.40 U	0.35 U	0.35 U	0.35 U	0.34 U	0.35 U	0.34 U
2-Nitroaniline	NA	0.83 U	0.69 U	0.79 U	0.69 U	0.69 U	0.69 U	0.70 U	0.69 U	0.76 U	0.82 U	0.71 U	0.71 U	0.71 U	0.70 U	0.71 U	0.69 U
2-Nitrophenol	NA	0.41 U	0.34 U	0.39 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.37 U	0.40 U	0.35 U	0.35 U	0.35 U	0.34 U	0.35 U	0.34 U
3,3'-Dichlorobenzidine	NA	0.83 U	0.69 U	0.79 U	0.69 U	0.69 U	0.69 U	0.70 U	0.69 U	0.76 U	0.82 U	0.71 U	0.71 U	0.71 U	0.70 U	0.71 U	0.69 U
3-Nitroaniline	NA	0.83 U	0.69 U	0.79 U	0.69 U	0.69 U	0.69 U	0.70 U	0.69 U	0.76 U	0.82 U	0.71 U	0.71 U	0.71 U	0.70 U	0.71 U	0.69 U
4,6-Dinitro-2-methylphenol	NA	1.2 U	1.0 U	1.2 U	1.0 U	1.0 U	1.0 U	1.2 U	1.0 U	1.1 U	1.2 U	1.1 U	1.1 U	1.1 U	1.0 U	1.1 U	1.0 U
4-Bromophenyl phenyl ether	NA	0.41 U	0.34 U	0.39 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.37 U	0.40 U	0.35 U	0.35 U	0.35 U	0.34 U	0.35 U	0.34 U
4-Chloro-3-methylphenol	NA	0.41 U	0.34 U	0.39 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.37 U	0.40 U	0.35 U	0.35 U	0.35 U	0.34 U	0.35 U	0.34 U
4-Chloroaniline	NA	0.41 U	0.34 U	0.39 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.37 U	0.40 U	0.35 U	0.35 U	0.35 U	0.34 U	0.35 U	0.34 U
4-Chlorophenyl phenyl ether	NA	0.41 U	0.34 U	0.39 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.37 U	0.40 U	0.35 U	0.35 U	0.35 U	0.34 U	0.35 U	0.34 U
4-Methylphenol	0.33	0.41 U	0.34 U	0.39 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.37 U	0.40 U	0.35 U	0.35 U	0.35 U	0.34 U	0.35 U	0.34 U
4-Nitroaniline	NA	0.83 U	0.69 U	0.79 U	0.69 U	0.69 U	0.69 U	0.70 U	0.69 U	0.76 U	0.82 U	0.71 U	0.71 U	0.71 U	0.70 U	0.71 U	0.69 U
4-Nitrophenol	NA	1.2 U	1.0 U	1.2 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.1 U	1.2 U	1.1 U	1.1 U	1.1 U	1.0 U	1.1 U	1.0 U
Acenaphthene	20	0.41 U	0.34 U	0.39 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.37 U	0.40 U	0.35 U	0.35 U	0.35 U	0.34 U	0.35 U	0.34 U
Acenaphthylene	100	0.41 U	0.34 U	0.39 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.37 U	0.40 U	0.35 U	0.35 U	0.35 U	0.34 U	0.35 U	0.34 U
Acetophenone	NA	0.41 U	0.34 U	0.39 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.37 U	0.40 U	0.35 U	0.35 U	0.35 U	0.34 U	0.35 U	0.34 U
Anthracene	100	0.41 U	0.34 U	0.39 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.37 U	0.40 U	0.35 U	0.35 U	0.35 U	0.34 U	0.35 U	0.34 U
Atrazine	NA	0.41 U	0.34 U	0.39 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.37 U	0.40 U	0.35 U	0.35 U	0.35 U	0.34 U	0.35 U	0.34 U
Benzaldehyde	NA	0.41 U	0.34 U	0.39 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.37 U	0.40 U	0.35 U	0.35 U	0.35 U	0.34 U	0.35 U	0.34 U
Benzo[a]anthracene	1	0.041 U	0.034 U	0.039 U	0.034 U	0.034 U	0.034 U	0.011 J	0.034 U	0.012 J	0.040 U	0.035 U	0.035 U	0.035 U	0.034 U	0.035 U	0.034 U
Benzo[a]pyrene	1	0.041 U	0.034 U	0.039 U	0.034 U	0.034 U	0.034 U	0.034 U	0.034 U	0.0081 J	0.040 U	0.035 U	0.035 U	0.035 U	0.034 U	0.035 U	0.034 U
Benzo[b]fluoranthene	1	0.041 U	0.034 U	0.039 U	0.034 U	0.034 U	0.034 U	0.0087 J	0.034 U	0.034 U	0.037 U	0.040 U	0.035 U	0.035 U	0.034 U	0.035 U	0.034 U
Benzo[g,h,i]perylene	100	0.41 U	0.34 U	0.39 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.37 U	0.40 U	0.35 U	0.35 U	0.35 U	0.34 U	0.35 U	0.34 U
Benzo[k]fluoranthene	0.8	0.041 U	0.034 U	0.039 U	0.034 U	0.034 U	0.034 U	0.034 U	0.034 U	0.037 U	0.040 U	0.035 U	0.035 U	0.035 U	0.034 U	0.035 U	0.034 U
Bis(2-chloroethoxy)methane	NA	0.41 U	0.34 U	0.39 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.37 U	0.40 U	0.35 U	0.35 U	0.35 U	0.34 U	0.35 U	0.34 U
Bis(2-chloroethyl)ether	NA	0.041 U	0.034 U	0.039 U	0.034 U	0.034 U	0.034 U	0.034 U	0.034 U	0.037 U	0.040 U	0.035 U	0.035 U	0.035 U	0.034 U	0.035 U	0.034 U
Bis(2-ethylhexyl) phthalate	NA	0.41 U	0.34 U	0.39 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.37 U	0.40 U	0.35 U	0.35 U	0.35 U	0.34 U	0.35 U	0.34 U
Butyl benzyl phthalate	NA	0.41 U	0.34 U	0.39 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.37 U	0.40 U	0.35 U	0.35 U	0.35 U	0.34 U	0.35 U	0.34 U
Caprolactam	NA	0.41 U	0.34 U	0.39 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.37 U	0.40 U	0.35 U	0.35 U	0.35 U	0.34 U	0.35 U	0.34 U
Carbazole	NA	0.41 U	0.34 U	0.39 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.37 U	0.40 U	0.35 U	0.35 U	0.35 U	0.34 U	0	

Table 4-44
TAL Metals Soil Analytical Data
Former Columbia C2 and C3 Building Areas

TAL Metals (mg/kg)	NYSDEC Unrestricted SCO	Soil Samples																						
		Columbia C2								Columbia C3														
		C2-1 (0.5-1.0')	C2-2 (0.5-1.0')		C2-2 (1.5-2.0')		C2-3 (0.5-1.0')		C2-4 (4.0-4.5')		C3-1 (0.5-1.0')		C3-1 (2.0-2.5')		C3-2 (7.0-7.5')		C3-2 (0.5-1.0')		C3-3 (0.5-1.0')		C3-3 (4.0-4.5')		C3-3 (6.5-7.0')	
Aluminum	NA	14,000	5,580	13,300	3,130	1,700	1,180	2,750	1,380	6,600	11,800	2,460	2,480	5,410	2,010	3,370	2,920							
Antimony	NA	2.5 U	2.0 U	2.3 U	2.0 U	1.9 U	2.0 U	2.0 U	1.8 U	2.2 U	2.4 U	2.0 U	2.1 U	2.1 U	1.9 U	1.9 U	2.0 U							
Arsenic	13	8.0	2.0	3.8	1.0	0.97 U	0.98 J	3.3	0.92 U	4.3	4.3	1.2	2.0	2.4	0.97 U	1.1 U	1.0 U							
Barium	350	34.4 J	27.6 J	62.6	20.7 J	10.2 J	9.0 J	19.3 J	10.3 J	37.8 J	45.6 J	14.3 J	15.7 J	27.9 J	9.8 J	18.2 J	21.8 J							
Beryllium	7.2	0.38 J	0.39 U	0.32 J	0.15 J	0.39 U	0.40 U	0.17 J	0.15 J	0.19 J	0.34 J	0.41 U	0.43 U	0.26 J	0.39 U	0.15 J	0.41 U							
Cadmium	2.5	0.22 J	0.98 U	0.18 J	1.0 U	0.97 U	1.0 U	1.0 U	0.92 U	1.1 U	1.2 U	1.0 U	1.1 U	1.0 U	0.97 U	1.1 U	1.0 U							
Calcium	NA	1,470	416 J	969 J	386 J	285 J	360 J	15,700	180 J	20,800	1,330	548 J	484 J	470 J	258 J	378 J	1,060							
Chromium ¹	30	27.2	9.5	20.2	6.9	4.8	3.1	13.2	3.3	11.2	24.7	6.3	5.8	12.2	5.0	7.9	7.5							
Cobalt	NA	4.4 J	5.9 J	10.8 J	2.1 J	1.5 J	1.5 J	1.8 J	1.3 J	3.2 J	7.5 J	2.9 J	2.6 J	5.0 J	1.6 J	2.2 J	2.0 J							
Copper	50	11.5	5.7	11.4	3.2 J	2.1 J	5.9	5.9	2.9 J	6.3	15.7	4.3 J	5.1 J	7.6	3.6 J	4.8 J	4.4 J							
Iron	NA	25,400	8,470	20,400	5,310	4,340	3,190	4,840	3,530	9,280	22,500	7,180	10,800	10,700	4,660	6,360	6,120							
Lead	63	9.6	3.3	7.1	2.4	1.2	2.1	3.7	1.6	7.5	8.7	2.7	2.1	4.1	1.9	2.0	2.2							
Magnesium	NA	2,640	1,220	3,200	780 J	489 J	383 J	1,060	479 J	5,990	4,010	742 J	622 J	1,670	678 J	1,240	1,150							
Manganese	1,600	147	488	947	190	121	69.8	99.3	72.3	417	377	178	246	291	88.3	127	149							
Nickel	30	11.6	6.6 J	13.8	4.4 J	4.8 J	2.2 J	4.6 J	2.4 J	6.8 J	15.5	4.7 J	4.9 J	7.9 J	2.9 J	4.5 J	4.9 J							
Potassium	NA	968 J	752 J	1,770	559 J	410 J	217 J	512 J	262 J	892 J	2,020	437 J	360 J	785 J	301 J	596 J	737 J							
Selenium	3.9	2.5 U	2.0 U	2.3 U	2.0 U	1.9 U	2.0 U	2.0 U	1.8 U	2.2 U	2.4 U	2.0 U	2.1 U	2.1 U	1.9 U	2.1 U	2.0 U							
Silver	2	2.5 U	2.0 U	2.3 U	2.0 U	1.9 U	2.0 U	2.0 U	1.8 U	2.2 U	2.4 U	2.0 U	2.1 U	2.1 U	1.9 U	2.1 U	2.0 U							
Sodium	NA	1,240 U	978 U	1,150 U	1,010 U	969 U	1,010 U	1,020 U	917 U	430 J	1,200 U	1,020 U	1,070 U	1,030 U	973 U	1,060 U	1,020 U							
Thallium	NA	2.5 U	2.0 U	2.3 U	2.0 U	1.9 U	2.0 U	2.0 U	1.8 U	2.2 U	2.4 U	2.0 U	2.1 U	2.1 U	1.9 U	2.1 U	2.0 U							
Vanadium	NA	42.5	13.1	29.8	8.0 J	3.9 J	3.5 J	6.6 J	3.6 J	20.9	33.5	8.4 J	6.5 J	13.8	5.7 J	8.2 J	7.0 J							
Zinc	109	29.9	16.6	34.6	12.1	8.2	8.1	25.1	8.3	15.5	40.0	12.3	13.9	17.9	8.4	11.9	9.8							
Mercury	0.18	0.020 U	0.017 U	0.019 U	0.017 U	0.017 U	0.017 U	0.013 J	0.015 U	0.019	0.065	0.080	0.037	0.018 U	0.017 U	0.017 U	0.018 U							

Notes
J : Sample result is greater than the MDL but below the CRDL
U : Indicates analyzed for but not detected.
¹ Trivalent chromium SCOs utilized.
Highlighted / bolded indicates analyte exceeded above its respective NYSDEC Unrestricted SCO.
NA - Not Available



Table 4-45
TCL VOCs Soil Analytical Data
Former Columbia C4 and C5 Building Areas

TCL VOCs (mg/kg)	NYSDEC Unrestricted SCO	Soil Samples														
		Columbia C4						Columbia C5								
		C4-1 (0.5-1.0')	(0.5-1.0')	C4-2 (2.0-2.5')	(4.0-4.5')	C4-3 (0.5-1.0')	C4-4 (0.5-1.0')	C5-1 (0.5-1.0')	C5-2 (0.5-1.0')	(0.5-1.0')	C5-3 (2.0-2.5')	(5.0-5.5')	(0.5-1.0')	C5-4 (2.0-2.5')	(6.0-6.5')	C5-5 (1.0-1.5')
1,1,1-Trichloroethane	0.68	0.00094 U	0.00098 U	0.00088 U	0.00091 U	0.00091 U	0.00098 U	0.00088 U	0.00050 U	0.00091 U	0.00098 U	0.0010 U	0.00093 U	0.044 U	0.00099 U	0.0023 U
1,1,2,2-Tetrachloroethane	NA	0.00094 U	0.00098 U	0.00088 U	0.00091 U	0.00091 U	0.00098 U	0.00088 U	0.00050 U	0.00091 U	0.00098 U	0.0010 U	0.00093 U	0.044 U	0.00099 U	0.0023 U
1,1,2-Trichloroethane	NA	0.00094 U	0.00098 U	0.00088 U	0.00091 U	0.00091 U	0.00098 U	0.00088 U	0.00050 U	0.00091 U	0.00098 U	0.0010 U	0.00093 U	0.044 U	0.00099 U	0.0023 U
1,1-Dichloroethane	0.27	0.00094 U	0.00098 U	0.00088 U	0.00091 U	0.00091 U	0.00098 U	0.00088 U	0.00050 U	0.00091 U	0.00098 U	0.0010 U	0.00029 J	0.044 U	0.00099 U	0.0023 U
1,1-Dichloroethene	0.33	0.00094 U	0.00098 U	0.00088 U	0.00091 U	0.00091 U	0.00098 U	0.00088 U	0.00050 U	0.00091 U	0.00098 U	0.0010 U	0.00093 U	0.044 U	0.00099 U	0.0023 U
1,2,3-Trichlorobenzene	NA	0.00094 U	0.00098 U	0.00088 U	0.00091 U	0.00091 U	0.00098 U	0.00088 U	0.00050 U	0.00091 U	0.00098 U	0.0010 U	0.00093 U	0.044 U	0.00099 U	0.0023 U
1,2,4-Trichlorobenzene	NA	0.00094 U	0.00098 U	0.00088 U	0.00091 U	0.00091 U	0.00098 U	0.00088 U	0.00050 U	0.00091 U	0.00098 U	0.0010 U	0.00093 U	0.044 U	0.00099 U	0.0023 U
1,2-Dibromo-3-Chloropropane	NA	0.00094 U	0.00098 U	0.00088 U	0.00091 U	0.00091 U	0.00098 U	0.00088 U	0.00050 U	0.00091 U	0.00098 U	0.0010 U	0.00093 U	0.044 U	0.00099 U	0.0023 U
1,2-Dibromoethane	NA	0.00094 U	0.00098 U	0.00088 U	0.00091 U	0.00091 U	0.00098 U	0.00088 U	0.00050 U	0.00091 U	0.00098 U	0.0010 U	0.00093 U	0.044 U	0.00099 U	0.0023 U
1,2-Dichlorobenzene	1.1	0.00094 U	0.00098 U	0.00088 U	0.00091 U	0.00091 U	0.00098 U	0.00088 U	0.00050 U	0.00091 U	0.00098 U	0.0010 U	0.00093 U	0.044 U	0.00099 U	0.0023 U
1,2-Dichloroethane	0.02	0.00094 U	0.00098 U	0.00088 U	0.00091 U	0.00091 U	0.00098 U	0.00088 U	0.00050 U	0.00091 U	0.00098 U	0.0010 U	0.00093 U	0.044 U	0.00099 U	0.0023 U
1,2-Dichloropropane	NA	0.00094 U	0.00098 U	0.00088 U	0.00091 U	0.00091 U	0.00098 U	0.00088 U	0.00050 U	0.00091 U	0.00098 U	0.0010 U	0.00093 U	0.044 U	0.00099 U	0.0023 U
1,3-Dichlorobenzene	2.4	0.00094 U	0.00098 U	0.00088 U	0.00091 U	0.00091 U	0.00098 U	0.00088 U	0.00050 U	0.00091 U	0.00098 U	0.0010 U	0.00093 U	0.044 U	0.00099 U	0.0023 U
1,4-Dichlorobenzene	1.8	0.00094 U	0.00098 U	0.00088 U	0.00091 U	0.00091 U	0.00098 U	0.00088 U	0.00050 U	0.00091 U	0.00098 U	0.0010 U	0.00093 U	0.044 U	0.00099 U	0.0023 U
1,4-Dioxane	0.1	0.047 U	0.049 U	0.044 U	0.046 U	0.046 U	0.049 U	0.044 U	0.025 U	0.046 U	0.049 U	0.051 U	0.046 U	2.2 U	0.050 U	0.12 U
2-Butanone (MEK)	0.12	0.0094 U	0.0098 U	0.0088 U	0.0091 U	0.0091 U	0.0098 U	0.0088 U	0.0050 U	0.0091 U	0.0098 U	0.010 U	0.0093 U	0.22 U	0.0099 U	0.023 U
2-Hexanone	NA	0.0094 U	0.0098 U	0.0088 U	0.0091 U	0.0091 U	0.0098 U	0.0088 U	0.0050 U	0.0091 U	0.0098 U	0.010 U	0.0093 U	0.22 U	0.0099 U	0.023 U
4-Methyl-2-pentanone	NA	0.0094 U	0.0098 U	0.0088 U	0.0091 U	0.0091 U	0.0098 U	0.0088 U	0.0050 U	0.0091 U	0.0098 U	0.010 U	0.0093 U	0.22 U	0.0099 U	0.023 U
Acetone	0.05	0.0094 U	0.0026 J B	0.0032 J B	0.0023 J B	0.0055 J B	0.0098 U	0.0020 J	0.0050 U	0.0091 U	0.0098 U	0.0022 J B	0.0063 J	0.22 U	0.029 B	0.013 J B
Benzene	0.06	0.00094 U	0.00098 U	0.00088 U	0.00091 U	0.00091 U	0.00098 U	0.00088 U	0.00050 U	0.00091 U	0.00098 U	0.0010 U	0.00093 U	0.044 U	0.00055 J	0.0023 U
Bromochloromethane	NA	0.00094 U	0.00098 U	0.00088 U	0.00091 U	0.00091 U	0.00098 U	0.00088 U	0.00050 U	0.00091 U	0.00098 U	0.0010 U	0.00093 U	0.044 U	0.00099 U	0.0023 U
Bromodichloromethane	NA	0.00094 U	0.00098 U	0.00088 U	0.00091 U	0.00091 U	0.00098 U	0.00088 U	0.00050 U	0.00091 U	0.00098 U	0.0010 U	0.00093 U	0.044 U	0.00099 U	0.0023 U
Bromoform	NA	0.00094 U	0.00098 U	0.00088 U	0.00091 U	0.00091 U	0.00098 U	0.00088 U	0.00050 U	0.00091 U	0.00098 U	0.0010 U	0.00093 U	0.044 U	0.00099 U	0.0023 U
Bromomethane	NA	0.00094 U	0.00098 U	0.00088 U	0.00091 U	0.00091 U	0.00098 U	0.00088 U	0.00050 U	0.00091 U	0.00098 U	0.0010 U	0.00093 U	0.044 U	0.00099 U	0.0023 U
Carbon disulfide	NA	0.00094 U	0.00098 U	0.00088 U	0.00091 U	0.00091 U	0.00098 U	0.00088 U	0.00050 U	0.00091 U	0.00098 U	0.0010 U	0.00093 U	0.044 U	0.0019	0.0023 U
Carbon tetrachloride	0.76	0.00094 U R	0.00098 U R	0.00088 U R	0.00091 U R	0.00091 U R	0.00098 U R	0.00088 U R	0.00050 U R	0.00091 U	0.00098 U	0.0010 U	0.00093 U	0.044 U	0.00099 U	0.0023 U
Chlorobenzene	1.1	0.00094 U	0.00098 U	0.00088 U	0.00091 U	0.00091 U	0.00098 U	0.00088 U	0.00050 U	0.00091 U	0.00098 U	0.0010 U	0.00093 U	0.044 U	0.00099 U	0.0023 U
Chloroethane	NA	0.00094 U	0.00098 U	0.00088 U	0.00091 U	0.00091 U	0.00098 U	0.00088 U	0.00050 U	0.00091 U	0.00098 U	0.0010 U	0.00093 U	0.044 U	0.00099 U	0.0023 U
Chloroform	0.37	0.00094 U	0.00098 U	0.00088 U	0.00091 U	0.00091 U	0.00098 U	0.00088 U	0.00050 U	0.00091 U	0.00098 U	0.0010 U	0.00093 U	0.044 U	0.00099 U	0.0023 U
Chloromethane	NA	0.00094 U	0.00098 U	0.00088 U	0.00091 U	0.00091 U	0.00098 U	0.00088 U	0.00050 U	0.00091 U	0.00098 U	0.0010 U	0.00093 U	0.044 U	0.00099 U	0.0023 U
cis-1,2-Dichloroethene	0.25	0.00094 U	0.00098 U	0.00088 U	0.00091 U	0.00091 U	0.00098 U	0.00088 U	0.00050 U	0.00091 U	0.00098 U	0.0010 U	0.00052 J	0.044 U	0.00099 U	0.0023 U
cis-1,3-Dichloropropene	NA	0.00094 U	0.00098 U	0.00088 U	0.00091 U	0.00091 U	0.00098 U	0.00088 U	0.00050 U	0.00091 U	0.00098 U	0.0010 U	0.00093 U	0.044 U	0.00099 U	0.0023 U
Cyclohexane	NA	0.00094 U	0.00098 U	0.00088 U	0.00091 U	0.00091 U	0.00098 U	0.00088 U	0.00050 U	0.00091 U	0.00098 U	0.0010 U	0.00093 U	0.044 U	0.00057 J	0.0023 U
Dibromochloromethane	NA	0.00094 U	0.00098 U	0.00088 U	0.00091 U	0.00091 U	0.00098 U	0.00088 U	0.00050 U	0.00091 U	0.00098 U	0.0010 U	0.00093 U	0.044 U	0.00099 U	0.0023 U
Dichlorodifluoromethane	NA	0.00094 U	0.00098 U	0.00088 U	0.00091 U	0.00091 U	0.00098 U	0.00088 U	0.00050 U	0.00091 U	0.00098 U	0.0010 U	0.00093 U	0.044 U	0.00099 U	0.0023 U
Ethylbenzene	1	0.00094 U	0.00098 U	0.00088 U	0.00091 U	0.00091 U	0.00098 U	0.00088 U	0.00050 U	0.00091 U	0.00098 U	0.0010 U	0.00093 U	0.079	0.00082 J	0.0023 U
Freon 113	NA	0.00094 U	0.00098 U	0.00088 U	0.00091 U	0.00091 U	0.00098 U	0.00088 U	0.00050 U	0.00091 U	0.00098 U	0.0010 U	0.00093 U	0.044 U	0.00099 U	0.0023 U
Isopropylbenzene	NA	0.00094 U	0.00098 U	0.00088 U	0.00091 U	0.00091 U	0.00098 U	0.00088 U	0.00050 U	0.00091 U	0.00098 U	0.0010 U	0.00093 U	0.021 J	0.0048	0.0023 U
m&p-Xylene	0.26	0.0019 U	0.0020 U	0.0018 U	0.0018 U	0.0018 U	0.0020 U	0.0018 U	0.0010 U	0.0018 U	0.0020 U	0.0020 U	0.0019 U	0.12	0.0020 U	0.0046 U
Methyl acetate	NA	0.00094 U	0.00098 U	0.00088 U	0.00091 U	0.00091 U	0.00098 U	0.00088 U	0.00050 U	0.00091 U	0.00098 U	0.0010 U	0.00093 U	0.089 U	0.00099 U	0.0023 U
Methylcyclohexane	NA	0.00094 U	0.00098 U	0.00088 U	0.00091 U	0.00091 U	0.00098 U	0.00088 U	0.00050 U	0.00091 U	0.00098 U	0.0010 U	0.00093 U	0.14	0.0030	0.0023 U
Methylene Chloride	0.05	0.00016 J	0.00098 U	0.0015	0.00091 U	0.00091 U	0.00098 U	0.00088 U	0.00051	0.00091 U	0.00098 U	0.0010 U	0.00093 U	0.044 U	0.00099 U	0.0023 U
MTBE	0.93	0.00094 U	0.00098 U	0.00088 U	0.00091 U	0.00091 U	0.00098 U	0.00088 U	0.00050 U	0.00091 U	0.00098 U	0.0010 U	0.00093 U	0.044 U		

Notes
J : Indicates an estimated value.
J B : The analyte was found in an associated blank, as well as in the sample.
J N : Indicates an estimated value.
U : Analyzed for but not detected.
U R: Indicates that value is rejected based upon DUSR review by third party data validator.
Total xylenes SCO utilized for all isomers
Highlighted / bolded indicates analyte exceeded above its respective NYSDEC Unrestricted SCO.
NA - Not Available



Table 4-46
Soil TCL SVOC and TPH Analytical Data
Former Columbia C4 and C5 Building Areas

TCL SVOCs (mg/kg)	NYSDEC Unrestricted SCO	Columbia C4						Soil Samples									Columbia C5				
		C4-1	C4-2			C4-3	C4-4	C5-1	C5-2	C5-3			C5-4		C5-5						
		(0.5-1.0')	(0.5-1.0')	(2.0-2.5')	(4.0-4.5')	(0.5-1.0')	(0.5-1.0')	(0.5-1.0')	(0.5-1.0')	(0.5-1.0')	(0.5-1.0')	(2.0-2.5')	(5.0-5.5')	(0.5-1.0')	(2.0-2.5')	(6.0-6.5')	(1.0-1.5')				
1,2,4,5-Tetrachlorobenzene	NA	0.40 U R	0.36 U R	0.38 U R	0.38 U R	0.37 U R	0.38 U R	0.35 U R	0.34 U	0.35 U	0.36 U R	0.38 U R	0.34 U R	0.38 U	0.38 U	0.38 U	0.36 U				
1,4-Dioxane	0.1	0.40 U	0.36 U	0.38 U	0.38 U	0.37 U	0.38 U	0.35 U	0.34 U	0.35 U	0.36 U	0.38 U	0.34 U	0.38 U	0.38 U	0.38 U	0.36 U				
2,2'-oxybis[1-chloropropane]	NA	0.40 U	0.36 U	0.38 U	0.38 U	0.37 U	0.38 U	0.35 U	0.34 U	0.35 U	0.36 U	0.38 U	0.34 U	0.38 U	0.38 U	0.38 U	0.36 U				
2,3,4,6-Tetrachlorophenol	NA	0.40 U R	0.36 U R	0.38 U R	0.38 U R	0.37 U R	0.38 U R	0.35 U R	0.34 U	0.35 U	0.36 U	0.38 U	0.34 U	0.38 U	0.38 U	0.38 U	0.36 U				
2,4,5-Trichlorophenol	NA	0.40 U	0.36 U	0.38 U	0.38 U	0.37 U	0.38 U	0.35 U	0.34 U	0.35 U	0.36 U	0.38 U	0.34 U	0.38 U	0.38 U	0.38 U	0.36 U				
2,4,6-Trichlorophenol	NA	0.40 U	0.36 U	0.38 U	0.38 U	0.37 U	0.38 U	0.35 U	0.34 U	0.35 U	0.36 U	0.38 U	0.34 U	0.38 U	0.38 U	0.38 U	0.36 U				
2,4-Dichlorophenol	NA	0.40 U	0.36 U	0.38 U	0.38 U	0.37 U	0.38 U	0.35 U	0.34 U	0.35 U	0.36 U	0.38 U	0.34 U	0.38 U	0.38 U	0.38 U	0.36 U				
2,4-Dimethylphenol	NA	0.40 U	0.36 U	0.38 U	0.38 U	0.37 U	0.38 U	0.35 U	0.34 U	0.35 U	0.36 U	0.38 U	0.34 U	0.38 U	1.2 U	0.36 U	0.36 U				
2,4-Dinitrophenol	NA	1.2 U	1.1 U	1.1 U	1.2 U	1.1 U	1.2 U	1.1 U	1.0 U	1.1 U	1.1 U	1.2 U	1.0 U	1.1 U	0.078 U	1.1 U	0.36 U				
2,4-Dinitrotoluene	NA	0.081 U	0.073 U	0.077 U	0.078 U	0.074 U	0.078 U	0.071 U	0.070 U	0.071 U	0.073 U	0.077 U	0.069 U	0.076 U	0.078 U	0.072 U	0.36 U				
2,6-Dinitrotoluene	NA	0.081 U	0.073 U	0.077 U	0.078 U	0.074 U	0.078 U	0.071 U	0.070 U	0.071 U	0.073 U	0.077 U	0.069 U	0.076 U	0.38 U	0.072 U	0.36 U				
2-Chloronaphthalene	NA	0.40 U	0.36 U	0.38 U	0.38 U	0.37 U	0.38 U	0.35 U	0.34 U	0.35 U	0.36 U	0.38 U	0.34 U	0.38 U	0.38 U	0.38 U	0.36 U				
2-Chlorophenol	NA	0.40 U	0.36 U	0.38 U	0.38 U	0.37 U	0.38 U	0.35 U	0.34 U	0.35 U	0.36 U	0.38 U	0.34 U	0.38 U	0.38 U	0.38 U	0.36 U				
2-Methylnaphthalene	NA	0.40 U	0.36 U	0.38 U	0.38 U	0.37 U	0.38 U	0.35 U	0.34 U	0.35 U	0.36 U	0.38 U	0.062 J	0.41	0.38 U	0.38 U	0.36 U				
2-Methylphenol	0.33	0.40 U	0.36 U	0.38 U	0.38 U	0.37 U	0.38 U	0.35 U	0.34 U	0.35 U	0.36 U	0.38 U	0.34 U	0.38 U	0.38 U	0.38 U	0.36 U				
2-Nitroaniline	NA	0.81 U	0.73 U	0.77 U	0.78 U	0.74 U	0.78 U	0.71 U	0.70 U	0.71 U	0.73 U	0.77 U	0.69 U	0.76 U	0.78 U	0.72 U	0.36 U				
2-Nitrophenol	NA	0.40 U	0.36 U	0.38 U	0.38 U	0.37 U	0.38 U	0.35 U	0.34 U	0.35 U	0.36 U	0.38 U	0.34 U	0.38 U	0.38 U	0.38 U	0.36 U				
3,3'-Dichlorobenzidine	NA	0.81 U	0.73 U	0.77 U	0.78 U	0.74 U	0.78 U	0.71 U	0.70 U	0.71 U	0.73 U	0.77 U	0.69 U	0.76 U	0.78 U	0.72 U	0.36 U				
3-Nitroaniline	NA	0.81 U	0.73 U	0.77 U	0.78 U	0.74 U	0.78 U	0.71 U	0.70 U	0.71 U	0.73 U	0.77 U	0.69 U	0.76 U	0.78 U	0.72 U	0.36 U				
4,6-Dinitro-2-methylphenol	NA	1.2 U	1.1 U	1.1 U	1.2 U	1.1 U	1.2 U	1.1 U	1.0 U	1.1 U	1.1 U	1.2 U	1.0 U	1.1 U	1.2 U	1.1 U	0.36 U				
4-Bromophenyl phenyl ether	NA	0.40 U	0.36 U	0.38 U	0.38 U	0.37 U	0.38 U	0.35 U	0.34 U	0.35 U	0.36 U	0.38 U	0.34 U	0.38 U	0.38 U	0.38 U	0.36 U				
4-Chloro-3-methylphenol	NA	0.40 U	0.36 U	0.38 U	0.38 U	0.37 U	0.38 U	0.35 U	0.34 U	0.35 U	0.36 U	0.38 U	0.34 U	0.38 U	0.38 U	0.38 U	0.36 U				
4-Chloroaniline	NA	0.40 U	0.36 U	0.38 U	0.38 U	0.37 U	0.38 U	0.35 U	0.34 U	0.35 U	0.36 U	0.38 U	0.34 U	0.38 U	0.38 U	0.38 U	0.36 U				
4-Chlorophenyl phenyl ether	NA	0.40 U	0.36 U	0.38 U	0.38 U	0.37 U	0.38 U	0.35 U	0.34 U	0.35 U	0.36 U	0.38 U	0.34 U	0.38 U	0.38 U	0.38 U	0.36 U				
4-Methylphenol	0.33	0.40 U	0.36 U	0.38 U	0.38 U	0.37 U	0.38 U	0.35 U	0.34 U	0.35 U	0.36 U	0.38 U	0.34 U	0.092 J	0.38 U	0.38 U	0.36 U				
4-Nitroaniline	NA	0.81 U	0.73 U	0.77 U	0.78 U	0.74 U	0.78 U	0.71 U	0.70 U	0.71 U	0.73 U	0.77 U	0.69 U	0.76 U	0.78 U	0.72 U	0.36 U				
4-Nitrophenol	NA	1.2 U	1.1 U	1.1 U	1.2 U	1.1 U	1.2 U	1.1 U	1.0 U	1.1 U	1.1 U	1.2 U	1.0 U	1.1 U	1.2 U	1.1 U	0.36 U				
Acenaphthene	20	0.40 U	0.36 U	0.38 U	0.38 U	0.37 U	0.38 U	0.35 U	0.34 U	0.35 U	0.36 U	0.38 U	0.34 U	0.38 U	0.38 U	0.38 U	0.36 U				
Acenaphthylene	100	0.40 U	0.36 U	0.38 U	0.38 U	0.37 U	0.38 U	0.35 U	0.34 U	0.35 U	0.36 U	0.38 U	0.34 U	0.38 U	0.38 U	0.38 U	0.36 U				
Acetophenone	NA	0.40 U	0.36 U	0.38 U	0.38 U	0.37 U	0.38 U	0.35 U	0.34 U	0.35 U	0.36 U	0.38 U	0.34 U	0.38 U	0.38 U	0.38 U	0.36 U				
Anthracene	100	0.40 U	0.36 U	0.38 U	0.38 U	0.37 U	0.38 U	0.35 U	0.34 U	0.35 U	0.36 U	0.38 U	0.34 U	0.38 U	0.38 U	0.38 U	0.36 U				
Atrazine	NA	0.40 U	0.36 U	0.38 U	0.38 U	0.37 U	0.38 U	0.35 U	0.34 U	0.35 U	0.36 U	0.38 U	0.34 U	0.38 U	0.38 U	0.38 U	0.36 U				
Benzaldehyde	NA	0.40 U	0.36 U	0.38 U	0.38 U	0.37 U	0.38 U	0.35 U	0.34 U	0.35 U	0.36 U	0.38 U	0.34 U	0.38 U	0.38 U	0.38 U	0.36 U				
Benzo[a]anthracene	1	0.040 U	0.036 U	0.038 U	0.038 U	0.037 U	0.038 U	0.035 U	0.034 U	0.035 U	0.036 U	0.038 U	0.034 U	0.038 U	0.038 U	0.038 U	0.036 U				
Benzo[a]pyrene	1	0.040 U	0.036 U	0.038 U	0.038 U	0.037 U	0.038 U	0.035 U	0.034 U	0.035 U	0.036 U	0.038 U	0.034 U	0.038 U	0.038 U	0.038 U	0.036 U				
Benzo[b]fluoranthene	1	0.040 U	0.036 U	0.038 U	0.038 U	0.037 U	0.038 U	0.035 U	0.034 U	0.035 U	0.036 U	0.038 U	0.034 U	0.038 U	0.038 U	0.038 U	0.036 U				
Benzo[g,h,i]perylene	100	0.40 U	0.36 U	0.38 U	0.38 U	0.37 U	0.38 U	0.35 U	0.34 U	0.35 U	0.36 U	0.38 U	0.34 U	0.38 U	0.38 U	0.38 U	0.36 U				
Benzo[k]fluoranthene	0.8	0.040 U	0.036 U	0.038 U	0.038 U	0.037 U	0.038 U	0.035 U	0.034 U	0.035 U	0.036 U	0.038 U	0.034 U	0.038 U	0.038 U	0.038 U	0.036 U				
Bis(2-chloroethoxy)methane	NA	0.40 U	0.36 U	0.38 U	0.38 U	0.37 U	0.38 U	0.35 U	0.34 U	0.35 U	0.36 U	0.38 U	0.34 U	0.38 U	0.38 U	0.38 U	0.36 U				
Bis(2-chloroethyl)ether	NA	0.040 U	0.036 U	0.038 U	0.038 U	0.037 U	0.038 U	0.035 U	0.034 U	0.035 U	0.036 U	0.038 U	0.034 U	0.038 U	0.038 U	0.038 U	0.036 U				
Bis(2-ethylhexyl) phthalate	NA	0.40 U	0.36 U	0.38 U	0.38 U	0.37 U	0.38 U	0.35 U	0.34 U	0.35 U	0.36 U	0.38 U	0.34 U	0.41	0.38 U	0.38 U	0.36 U				
Butyl benzyl phthalate	NA	0.40 U	0.36 U	0.38 U	0.38 U	0.37 U	0.38 U	0.35 U	0.34 U	0.35 U	0.36 U	0.38 U	0.34 U	0.38 U	0.38 U	0.38 U	0.36 U				
Caprolactam	NA																				

Table 4-47
TAL Metals Soil Analytical Data
Former Columbia C4 and C5 Building Areas

TAL Metals (mg/kg)	NYSDEC Unrestricted SCO	Columbia C4						Soil Samples								
								Columbia C5								
		C4-1 (0.5-1.0')	C4-2 (0.5-1.0')	C4-2 (2.0-2.5')	C4-2 (4.0-4.5')	C4-3 (0.5-1.0')	C4-4 (0.5-1.0')	C5-1 (0.5-1.0')	C5-2 (0.5-1.0')	C5-3 (0.5-1.0')		(2.0-2.5')	(5.0-5.5')	(0.5-1.0')	(2.0-2.5')	(6.0-6.5')
Aluminum	NA	10,000	4,730	19,700	7,410	6,590	11,500	3,760	2,270	5,150	4,100	1,600	3,220	2,760	2,380	3,050
Antimony	NA	2.4 U	2.2 U	2.1 U	2.0 U	2.1 U	2.1 U	1.9 U	2.0 U	2.1 U	2.1 U	2.2 U	2.0 U	2.3 U	2.2 U	2.1 U
Arsenic	13	5.6	1.9	6.5	3.3	2.7	4.4	1.4	0.98 U	2.1	1.1 U	30.1	1.5	1.8	1.1 U	3.6
Barium	350	40.7 J	23.0 J	196	43.5	25.5 J	46.9	28.7 J	15.7 J	27.2 J	24.4 J	8.6 J	23.0 J	14.5 J	15.5 J	22.4 J
Beryllium	7.2	0.28 J	0.17 J	0.43 U	0.28 J	0.16 J	0.43	0.38 U	0.39 U	0.27 J	0.24 J	0.19 J	0.40 U	0.23 J	0.18 J	0.20 J
Cadmium	2.5	1.2 U	1.1 U	1.1 U	1.0 U	1.1 U	1.0 U	0.95 U	0.98 U	1.0 U	1.1 U	1.1 U	1.0 U	1.1 U	1.1 U	1.0 U
Calcium	NA	2,010	2,540	5,730	1,390	8,280	396 J	533 J	579 J	857 J	612 J	161 J	577 J	1,210	704 J	1,010 J
Chromium ¹	30	16.9	9.9	83.1	20.9	12.2	18.2	9.7	5.6	11.0	16.1	4.9	7.3	5.6	5.0	7.0
Cobalt	NA	4.6 J	3.6 J	12.7	3.7 J	3.3 J	6.7 J	3.6 J	1.8 J	3.9 J	2.2 J	2.5 J	2.5 J	2.3 J	1.5 J	3.5 J
Copper	50	9.2	5.6	20.7	13.8	6.0	11.2	5.3	3.3 J	5.4	3.7 J	4.7 J	4.6 J	4.3 J	4.7 J	3.8 J
Iron	NA	14,700	8,490	30,700	7,950	9,940	15,500	7,960	5,390	9,760	8,000	7,410	7,000	6,700	5,490	9,340
Lead	63	7.5	4.2	9.0	6.3	32.9	24.8	3.2	1.9	5.6	2.4	2.2	4.0	2.8	2.0	2.4
Magnesium	NA	2,120	1,280	14,100	2,190	1,570	1,950	1,070	930 J	1,380	2,000	502 J	1,070	724 J	713 J	635 J
Manganese	1,600	158	204	414	85	150	135	292	98	198	162	81	176	90	84.2	316
Nickel	30	8.8 J	6.0 J	25.3	10.3	6.3 J	10.0	5.8 J	3.4 J	7.0 J	5.7 J	4.6 J	4.9 J	5.3 J	4.3 J	5.5 J
Potassium	NA	572 J	453 J	5,410	1,040	464 J	561 J	569 J	379 J	597 J	679 J	246 J	511 J	386 J	369 J	449 J
Selenium	3.9	2.4 U	2.2 U	2.1 U	2.0 U	2.1 U	2.1 U	1.9 U	2.0 U	2.1 U	2.1 U	2.2 U	2.0 U	2.3 U	2.2 U	2.1 U
Silver	2	2.4 U	2.2 U	2.1 U	2.0 U	2.1 U	2.1 U	1.9 U	2.0 U	2.1 U	2.1 U	2.2 U	2.0 U	2.3 U	2.2 U	2.1 U
Sodium	NA	1,180 U	1,080 U	1,070 U	1,020 U	1,050 U	1,030 U	952 U	155 J	1,030 U	1,060 U	1,120 U	1,010 U	1,140 U	1,120 U	1,030 U
Thallium	NA	2.4 U	2.2 U	2.1 U	2.0 U	2.1 U	2.1 U	1.9 U	2.0 U	2.1 U	2.1 U	2.2 U	2.0 U	2.3 U	2.2 U	2.1 U
Vanadium	NA	27.9	10.9	69.7	25.7	15.0	24.4	9.8	6.1 J	13.0	12.5	4.4 J	8.4 J	8.2 J	6.0 J	8.4 J
Zinc	109	26.9	14.0	68.4	27.9	20.8	34.5	14.2	10.2	17.0	13.1	9.1	12.1	9.4	7.9	10.2
Mercury	0.18	0.016 J	0.016 U	0.018 U	0.017 U	0.019 U	0.042	0.016 U	0.017 U	0.017 U	0.018 U	0.019 U	0.017 U	0.019 U	0.019 U	0.018 U

Notes
J : Sample result is greater than the MDL but below the CRDL
U : Indicates analyzed for but not detected.
¹ Trivalent chromium SCOs utilized.
Highlighted / bolded indicates analyte exceeded above its respective NYSDEC Unrestricted SCO.
NA - Not Available



Table 4-48
TCL VOCs Soil Analytical Data
Former Columbia C6 Building Area

TCL VOCs (mg/kg)	NYSDEC Unrestricted SCO	Soil Samples Former Columbia C6 Building Area																	
		C6-1	C6-2	C6-3	C6-4	C6-5	C6-6	C6-7	C6-8	C6-9	C6-10	C6-11	C6-12						
		(0.5-1.0')	(0.5-1.0')	(0.5-1.0')	(1.0-1.5')	(1.0-1.5')	(3.0-3.5')	(7.0-7.5')	(0.5-1.0')	(1.0-1.5')	(4.5-5.0')	(6.5-7.0')	(1.0-1.5')	(1.5-2.0')	(4.0-4.5')	(1.0-1.5')	(1.0-1.5')		
1,1,1-Trichloroethane	0.68	0.0010 U	0.00067 U	0.00087 U	0.00096 U	0.00095 U	0.00092 U	0.0010 U	0.0011 U	0.00090 U	0.0010 U	0.0011 U	0.00095 U	0.00089 U	0.00091 U	0.0011 U	0.0011 U	0.00093 U	0.00090 U
1,1,2,2-Tetrachloroethane	NA	0.0010 U	0.00067 U	0.00087 U	0.00096 U	0.00095 U	0.00092 U	0.0010 U	0.0011 U	0.00090 U	0.0010 U	0.0011 U	0.00095 U	0.00089 U	0.00091 U	0.0011 U	0.0011 U	0.00093 U	0.00090 U
1,1,2-Trichloroethane	NA	0.0010 U	0.00067 U	0.00087 U	0.00096 U	0.00095 U	0.00092 U	0.0010 U	0.0011 U	0.00090 U	0.0010 U	0.0011 U	0.00095 U	0.00089 U	0.00091 U	0.0011 U	0.0011 U	0.00093 U	0.00090 U
1,1-Dichloroethane	0.27	0.0010 U	0.00067 U	0.00087 U	0.00096 U	0.00095 U	0.00092 U	0.0010 U	0.0011 U	0.00090 U	0.0010 U	0.0011 U	0.00095 U	0.00089 U	0.00091 U	0.0011 U	0.0011 U	0.00093 U	0.00090 U
1,1-Dichloroethene	0.33	0.0010 U	0.00067 U	0.00087 U	0.00096 U	0.00095 U	0.00092 U	0.0010 U	0.0011 U	0.00090 U	0.0010 U	0.0011 U	0.00095 U	0.00089 U	0.00091 U	0.0011 U	0.0011 U	0.00093 U	0.00090 U
1,2,3-Trichlorobenzene	NA	0.0010 U	0.00067 U	0.00087 U	0.00096 U	0.00095 U	0.00092 U	0.0010 U	0.0011 U	0.00090 U	0.0010 U	0.0011 U	0.00095 U	0.00089 U	0.00091 U	0.0011 U	0.0011 U	0.00093 U	0.00090 U
1,2,4-Trichlorobenzene	NA	0.0010 U	0.00067 U	0.00087 U	0.00096 U	0.00095 U	0.00092 U	0.0010 U	0.0011 U	0.00090 U	0.0010 U	0.0011 U	0.00095 U	0.00089 U	0.00091 U	0.0011 U	0.0011 U	0.00093 U	0.00090 U
1,2-Dibromo-3-Chloropropane	NA	0.0010 U	0.00067 U	0.00087 U	0.00096 U	0.00095 U	0.00092 U	0.0010 U	0.0011 U	0.00090 U	0.0010 U	0.0011 U	0.00095 U	0.00089 U	0.00091 U	0.0011 U	0.0011 U	0.00093 U	0.00090 U
1,2-Dibromoethane	NA	0.0010 U	0.00067 U	0.00087 U	0.00096 U	0.00095 U	0.00092 U	0.0010 U	0.0011 U	0.00090 U	0.0010 U	0.0011 U	0.00095 U	0.00089 U	0.00091 U	0.0011 U	0.0011 U	0.00093 U	0.00090 U
1,2-Dichlorobenzene	1.1	0.0010 U	0.00067 U	0.00087 U	0.00096 U	0.00095 U	0.00092 U	0.0010 U	0.0011 U	0.00090 U	0.0010 U	0.0011 U	0.00095 U	0.00089 U	0.00091 U	0.0011 U	0.0011 U	0.00093 U	0.00090 U
1,2-Dichloroethane	0.02	0.0010 U	0.00067 U	0.00087 U	0.00096 U	0.00095 U	0.00092 U	0.0010 U	0.0011 U	0.00090 U	0.0010 U	0.0011 U	0.00095 U	0.00089 U	0.00091 U	0.0011 U	0.0011 U	0.00093 U	0.00090 U
1,2-Dichloropropane	NA	0.0010 U	0.00067 U	0.00087 U	0.00096 U	0.00095 U	0.00092 U	0.0010 U	0.0011 U	0.00090 U	0.0010 U	0.0011 U	0.00095 U	0.00089 U	0.00091 U	0.0011 U	0.0011 U	0.00093 U	0.00090 U
1,3-Dichlorobenzene	2.4	0.0010 U	0.00067 U	0.00087 U	0.00096 U	0.00095 U	0.00092 U	0.0010 U	0.0011 U	0.00090 U	0.0010 U	0.0011 U	0.00095 U	0.00089 U	0.00091 U	0.0011 U	0.0011 U	0.00093 U	0.00090 U
1,4-Dichlorobenzene	1.8	0.0010 U	0.00067 U	0.00087 U	0.00096 U	0.00095 U	0.00092 U	0.0010 U	0.0011 U	0.00090 U	0.0010 U	0.0011 U	0.00095 U	0.00089 U	0.00091 U	0.0011 U	0.0011 U	0.00093 U	0.00090 U
1,4-Dioxane	0.1	0.050 U	0.033 U	0.043 U	0.048 U	0.047 U	0.046 U	0.050 U	0.054 U	0.045 U	0.050 U	0.056 U	0.047 U	0.044 U	0.045 U	0.056 U	0.055 U	0.046 U	0.045 U
2-Butanone (MEK)	0.12	0.010 U	0.0067 U	0.0087 U	0.0096 U	0.0095 U	0.0092 U	0.010 U	0.011 U	0.0090 U	0.010 U	0.077	0.013	0.0089 U	0.0091 U	0.011 U	0.0097 J	0.0093 U	0.0090 U
2-Hexanone	NA	0.010 U	0.0067 U	0.0087 U	0.0096 U	0.0095 U	0.0092 U	0.010 U	0.011 U	0.0090 U	0.010 U	0.011 U	0.0095 U	0.0089 U	0.0091 U	0.011 U	0.011 U	0.0093 U	0.0090 U
4-Methyl-2-pentanone	NA	0.010 U	0.0067 U	0.0087 U	0.0096 U	0.0095 U	0.0092 U	0.010 U	0.011 U	0.0090 U	0.010 U	0.011 U	0.0095 U	0.0089 U	0.0091 U	0.011 U	0.011 U	0.0093 U	0.0090 U
Acetone	0.05	0.0099 J	0.0022 J	0.0024 J	0.0096 U	0.0095 U	0.0092 U	0.010 U	0.011 U	0.0090 U	0.010 U	0.31 B	0.074 B	0.0089 U	0.0043 J B	0.0021 J B	0.027 B	0.0025 J B	0.0090 U
Benzene	0.06	0.0010 U	0.00067 U	0.00087 U	0.00096 U	0.00095 U	0.00092 U	0.0010 U	0.0011 U	0.00090 U	0.0010 U	0.0011 U	0.00095 U	0.00089 U	0.00017 J	0.0011 U	0.0011	0.00093 U	0.00090 U
Bromochloromethane	NA	0.0010 U	0.00067 U	0.00087 U	0.00096 U	0.00095 U	0.00092 U	0.0010 U	0.0011 U	0.00090 U	0.0010 U	0.0011 U	0.00095 U	0.00089 U	0.00091 U	0.0011 U	0.0011 U	0.00093 U	0.00090 U
Bromodichloromethane	NA	0.0010 U	0.00067 U	0.00087 U	0.00096 U	0.00095 U	0.00092 U	0.0010 U	0.0011 U	0.00090 U	0.0010 U	0.0011 U	0.00095 U	0.00089 U	0.00091 U	0.0011 U	0.0011 U	0.00093 U	0.00090 U
Bromoform	NA	0.0010 U	0.00067 U	0.00087 U	0.00096 U	0.00095 U	0.00092 U	0.0010 U	0.0011 U	0.00090 U	0.0010 U	0.0011 U	0.00095 U	0.00089 U	0.00091 U	0.0011 U	0.0011 U	0.00093 U	0.00090 U
Bromomethane	NA	0.0010 U	0.00067 U	0.00087 U	0.00096 U	0.00095 U	0.00092 U	0.0010 U	0.0011 U	0.00090 U	0.0010 U	0.0011 U	0.00095 U	0.00089 U	0.00091 U	0.0011 U	0.0011 U	0.00093 U	0.00090 U
Carbon disulfide	NA	0.00068 J	0.00013 J	0.00087 U	0.00096 U	0.00095 U	0.00092 U	0.0010 U	0.0011 U	0.00090 U	0.0010 U	0.0027	0.00040 J	0.00089 U	0.00091 U	0.0011 U	0.0051	0.00093 U	0.00090 U
Carbon tetrachloride	0.76	0.0010 U	0.00067 U	0.00087 U	0.00096 U R	0.00095 U R	0.00092 U R	0.0010 U R	0.0011 U R	0.00090 U R	0.0010 U	0.0011 U	0.00095 U	0.00089 U	0.00091 U	0.0011 U	0.0011 U	0.00093 U	0.00090 U
Chlorobenzene	1.1	0.0010 U	0.00067 U	0.00087 U	0.00096 U	0.00095 U	0.00092 U	0.0010 U	0.0011 U	0.00090 U	0.0010 U	0.0011 U	0.00095 U	0.00089 U	0.00091 U	0.0011 U	0.0011 U	0.00093 U	0.00090 U
Chloroethane	NA	0.0010 U	0.00067 U	0.00087 U	0.00096 U	0.00095 U	0.00092 U	0.0010 U	0.0011 U	0.00090 U	0.0010 U	0.0011 U	0.00095 U	0.00089 U	0.00091 U	0.0011 U	0.0011 U	0.00093 U	0.00090 U
Chloroform	0.37	0.0010 U	0.00067 U	0.00087 U	0.00096 U	0.00095 U	0.00092 U	0.0010 U	0.0011 U	0.00090 U	0.0010 U	0.0011 U	0.00095 U	0.00089 U	0.00091 U	0.0011 U	0.0011 U	0.00093 U	0.00090 U
Chloromethane	NA	0.0010 U	0.00067 U	0.00087 U	0.00096 U	0.00095 U	0.00092 U	0.0010 U	0.0011 U	0.00090 U	0.0010 U	0.0011 U	0.00095 U	0.00089 U	0.00091 U	0.0011 U	0.0011 U	0.00093 U	0.00090 U
cis-1,2-Dichloroethene	0.25	0.00071 J	0.00067 U	0.00087 U	0.00096 U	0.00095 U	0.00092 U	0.0010 U	0.0011 U	0.00090 U	0.0010 U	0.0011 U	0.00095 U	0.00089 U	0.00091 U	0.0011 U	0.0011 U	0.00093 U	0.00090 U
cis-1,3-Dichloropropene	NA	0.0010 U	0.00067 U	0.00087 U	0.00096 U	0.00095 U	0.00092 U	0.0010 U	0.0011 U	0.00090 U	0.0010 U	0.0011 U	0.00095 U	0.00089 U	0.00091 U	0.0011 U	0.0011 U	0.00093 U	0.00090 U
Cyclohexane	NA	0.0010 U	0.00013 J	0.00087 U	0.00096 U	0.00095 U	0.00092 U	0.0010 U	0.0011 U	0.00090 U	0.0010 U	0.0011 U	0.00095 U	0.00089 U	0.00091 U	0.0011 U	0.0011 U	0.00093 U	0.00090 U
Dibromochloromethane	NA	0.0010 U	0.00067 U	0.00087 U	0.00096 U	0.00095 U	0.00092 U	0.0010 U	0.0011 U	0.00090 U	0.0010 U	0.0011 U	0.00095 U	0.00089 U	0.00091 U	0.0011 U	0.0011 U	0.00093 U	0.00090 U
Dichlorodifluoromethane	NA	0.0010 U	0.00067 U	0.00087 U	0.00096 U	0.00095 U	0.00092 U	0.0010 U	0.0011 U	0.00090 U	0.0010 U	0.0011 U	0.00095 U	0.00089 U	0.00091 U	0.0011 U	0.0011 U	0.00093 U	0.00090 U
Ethylbenzene	1	0.0010 U	0.00067 U	0.00087 U	0.00096 U	0.00095 U	0.00092 U	0.0010 U	0.0011 U	0.00090 U	0.0010 U	0.0011 U	0.00095 U	0.00089 U	0.00091 U	0.0011 U	0.00033 J	0.00093 U	0.00090 U
Freon 113	NA	0.0010 U	0.00067 U	0.00087 U	0.00096 U	0.00095 U	0.00092 U	0.0010 U	0.0011 U	0.00090 U	0.0010 U	0.0011 U	0.00095 U	0.00089 U	0.00091 U	0.0011 U	0.0011 U	0.00093 U	0.00090 U
Isopropylbenzene	NA	0.0010 U	0.00067 U	0.00087 U	0.00096 U	0.000.													

Table 4-48
TCL VOCs Soil Analytical Data
Former Columbia C6 Building Area

TCL VOCs (mg/kg)	NYSDEC Unrestricted SCO	Soil Samples Former Columbia C6 Building Area								
		C6-13			C6-14	C6-15	C6-16	C6-17		
		(1.0-1.5')	(5.5-6.0')	(6.5-7.0')	(1.0-1.5')	(1.0-1.5')	(1.0-1.5')	(1.0-1.5')	(4.0-4.5')	(5.0-5.5')
1,1,1-Trichloroethane	0.68	0.00092 U	0.00038 J	0.00085 U	0.00096 U	0.00095 U	0.0011 U	0.00014 J	0.00073 J	0.0010 U
1,1,2,2-Tetrachloroethane	NA	0.00092 U	0.00090 U	0.00085 U	0.00096 U	0.00095 U	0.0011 U	0.00094 U	0.0014 U	0.0010 U
1,1,2-Trichloroethane	NA	0.00092 U	0.00090 U	0.00085 U	0.00096 U	0.00095 U	0.0011 U	0.00094 U	0.0014 U	0.0010 U
1,1-Dichloroethane	0.27	0.00092 U	0.0015	0.00085 U	0.00096 U	0.00095 U	0.0011 U	0.00094 U	0.0014 U	0.00020 J
1,1-Dichloroethene	0.33	0.00092 U	0.00090 U	0.00085 U	0.00096 U	0.00095 U	0.0011 U	0.00094 U	0.0014 U	0.0010 U
1,2,3-Trichlorobenzene	NA	0.00092 U	0.00090 U	0.00085 U	0.00096 U	0.00095 U	0.0011 U	0.00094 U	0.0014 U	0.0010 U
1,2,4-Trichlorobenzene	NA	0.00092 U	0.00090 U	0.00085 U	0.00096 U	0.00095 U	0.0011 U	0.00094 U	0.0014 U	0.0010 U
1,2-Dibromo-3-Chloropropane	NA	0.00092 U	0.00090 U	0.00085 U	0.00096 U	0.00095 U	0.0011 U	0.00094 U	0.0014 U	0.0010 U
1,2-Dibromoethane	NA	0.00092 U	0.00090 U	0.00085 U	0.00096 U	0.00095 U	0.0011 U	0.00094 U	0.0014 U	0.0010 U
1,2-Dichlorobenzene	1.1	0.00092 U	0.00090 U	0.00085 U	0.00096 U	0.00095 U	0.0011 U	0.00094 U	0.0014 U	0.0010 U
1,2-Dichloroethane	0.02	0.00092 U	0.00090 U	0.00085 U	0.00096 U	0.00095 U	0.0011 U	0.00094 U	0.0014 U	0.0010 U
1,2-Dichloropropane	NA	0.00092 U	0.00090 U	0.00085 U	0.00096 U	0.00095 U	0.0011 U	0.00094 U	0.0014 U	0.0010 U
1,3-Dichlorobenzene	2.4	0.00092 U	0.00090 U	0.00085 U	0.00096 U	0.00095 U	0.0011 U	0.00094 U	0.0014 U	0.0010 U
1,4-Dichlorobenzene	1.8	0.00092 U	0.00090 U	0.00085 U	0.00096 U	0.00095 U	0.0011 U	0.00094 U	0.0014 U	0.0010 U
1,4-Dioxane	0.1	0.046 U	0.045 U	0.043 U	0.048 U	0.047 U	0.055 U	0.047 U	0.070 U	0.050 U
2-Butanone (MEK)	0.12	0.0092 U	0.0090 U	0.0085 U	0.0096 U	0.0095 U	0.011 U	0.0094 U	0.014 U	0.010 U
2-Hexanone	NA	0.0092 U	0.0090 U	0.0085 U	0.0096 U	0.0095 U	0.011 U	0.0094 U	0.014 U	0.010 U
4-Methyl-2-pentanone	NA	0.0092 U	0.0090 U	0.0085 U	0.0096 U	0.0095 U	0.011 U	0.0094 U	0.014 U	0.010 U
Acetone	0.05	0.0033 J	0.0063 J	0.017	0.0023 J	0.0043 J	0.0053 J	0.0071 J	0.013 J	0.0090 J
Benzene	0.06	0.00092 U	0.00090 U	0.00085 U	0.00096 U	0.00095 U	0.0011 U	0.00094 U	0.0014 U	0.00020 J
Bromochloromethane	NA	0.00092 U	0.00090 U	0.00085 U	0.00096 U	0.00095 U	0.0011 U	0.00094 U	0.0014 U	0.0010 U
Bromodichloromethane	NA	0.00092 U	0.00090 U	0.00085 U	0.00096 U	0.00095 U	0.0011 U	0.00094 U	0.0014 U	0.0010 U
Bromoform	NA	0.00092 U	0.00090 U	0.00085 U	0.00096 U	0.00095 U	0.0011 U	0.00094 U	0.0014 U	0.0010 U
Bromomethane	NA	0.00092 U	0.00090 U	0.00085 U	0.00096 U	0.00095 U	0.0011 U	0.00094 U	0.0014 U	0.0010 U
Carbon disulfide	NA	0.00092 U	0.00090 U	0.00028 J	0.00096 U	0.00095 U	0.0011 U	0.00094 U	0.0014 U	0.0010 U
Carbon tetrachloride	0.76	0.00092 U	0.00016 J	0.00085 U	0.00096 U	0.00095 U	0.0011 U	0.00094 U	0.0014 U	0.0010 U
Chlorobenzene	1.1	0.00092 U	0.00090 U	0.00085 U	0.00096 U	0.00095 U	0.0011 U	0.00094 U	0.0014 U	0.0010 U
Chloroethane	NA	0.00092 U	0.00090 U	0.00085 U	0.00096 U	0.00095 U	0.0011 U	0.00094 U	0.0014 U	0.0010 U
Chloroform	0.37	0.00092 U	0.00090 U	0.00085 U	0.00096 U	0.00095 U	0.0011 U	0.00094 U	0.0014 U	0.0010 U
Chloromethane	NA	0.00092 U	0.00090 U	0.00085 U	0.00096 U	0.00095 U	0.0011 U	0.00094 U	0.0014 U	0.0010 U
cis-1,2-Dichloroethene	0.25	0.00092 U	0.00090 U	0.00085 U	0.00096 U	0.00095 U	0.0011 U	0.00094 U	0.0014 U	0.00024 J
cis-1,3-Dichloropropene	NA	0.00092 U	0.00090 U	0.00085 U	0.00096 U	0.00095 U	0.0011 U	0.00094 U	0.0014 U	0.0010 U
Cyclohexane	NA	0.00092 U	0.00090 U	0.00085 U	0.00096 U	0.00095 U	0.0011 U	0.00094 U	0.0014 U	0.0010 U
Dibromochloromethane	NA	0.00092 U	0.00090 U	0.00085 U	0.00096 U	0.00095 U	0.0011 U	0.00094 U	0.0014 U	0.0010 U
Dichlorodifluoromethane	NA	0.00092 U	0.00090 U	0.00085 U	0.00096 U	0.00095 U	0.0011 U	0.00094 U	0.0014 U	0.0010 U
Ethylbenzene	1	0.00092 U	0.00090 U	0.00085 U	0.00096 U	0.00095 U	0.0011 U	0.00094 U	0.0014 U	0.0010 U
Freon 113	NA	0.00092 U	0.00090 U	0.00085 U	0.00096 U	0.00095 U	0.0011 U	0.00094 U	0.0014 U	0.0010 U
Isopropylbenzene	NA	0.00092 U	0.00090 U	0.00085 U	0.00096 U	0.00095 U	0.0011 U	0.00094 U	0.0014 U	0.0010 U
m&p-Xylene	0.26	0.0018 U	0.0018 U	0.0017 U	0.0019 U	0.0019 U	0.0022 U	0.0019 U	0.0028 U	0.0020 U
Methyl acetate	NA	0.00092 U	0.00090 U	0.00085 U	0.00096 U	0.00095 U	0.0011 U	0.00094 U	0.0014 U	0.0010 U
Methylcyclohexane	NA	0.00092 U	0.00019 J	0.00085 U	0.00096 U	0.00095 U	0.0011 U	0.00094 U	0.00023 J	0.0010 U
Methylene Chloride	0.05	0.00092 U	0.00090 U	0.00085 U	0.00014 J	0.00024 J	0.00037 J	0.00020 J	0.0014 U	0.0010 U
MTBE	0.93	0.00092 U	0.00090 U	0.00085 U	0.00096 U	0.00095 U	0.0011 U	0.00094 U	0.0014 U	0.0010 U
o-Xylene	0.26	0.00092 U	0.00090 U	0.00085 U	0.00096 U	0.00095 U	0.0011 U	0.00094 U	0.0014 U	0.0010 U
Styrene	NA	0.00092 U	0.00090 U	0.00085 U	0.00096 U	0.00095 U	0.0011 U	0.00094 U	0.0014 U	0.0010 U
Tetrachloroethene	1.3	0.00013 J	0.00090 U	0.00085 U	0.00096 U	0.00095 U	0.0010 J	0.0013	0.0038	0.0019
Toluene	0.7	0.00013 J	0.00090 U	0.00016 J	0.00022 J	0.00020 J	0.00053 J	0.00029 J	0.00024 J	0.0010 U
trans-1,2-Dichloroethene	0.19	0.00092 U	0.00090 U	0.00085 U	0.00096 U	0.00095 U	0.0011 U	0.00094 U	0.0014 U	0.0010 U
trans-1,3-Dichloropropene	NA	0.00092 U	0.00090 U	0.00085 U	0.00096 U	0.00095 U	0.0011 U	0.00094 U	0.0014 U	0.0010 U
Trichloroethene	0.47	0.00092 U	0.00090 U	0.00085 U	0.00096 U	0.00095 U	0.0011 U	0.00094 U	0.0014 U	0.00047 J
Trichlorofluoromethane	NA	0.00092 U	0.00090 U	0.00085 U	0.00096 U	0.00095 U	0.0011 U	0.00094 U	0.0014 U	0.0010 U
Vinyl chloride	0.02	0.00092 U	0.00090 U	0.00085 U	0.00096 U	0.00095 U	0.0011 U	0.00094 U	0.0014 U	0.0010 U
Xylenes, Total	0.26	0.0028 U	0.0027 U	0.0026 U	0.0029 U	0.0028 U	0.0033 U	0.0028 U	0.0042 U	0.0030 U
Naphthalene	12	0.00092 U	0.0041	0.0012	0.00096 U	0.00097	0.0011 U	0.00094 U	0.0014 U	0.0010 U

Notes

J : Indicates an estimated value.

J B : The analyte was found in an associated blank, as well as in the sample.

J N : Indicates an estimated value.

U : Analyzed for but not detected.

Total xylenes SCO utilized for all isomers

Highlighted / bolded indicates analyte exceeded above its respective NYSDEC Unrestricted SCO.

NA - Not Available



Table 4-49
Soil TCL SVOC Analytical Data
Former Columbia C6 Building Area

TCL SVOCs (mg/kg)	NYSDEC Unrestricted SCO	Soil Samples Former Columbia C6 Building Area																	
		C6-1	C6-2	C6-3	C6-4	C6-5	C6-6			C6-7	C6-8		C6-9	C6-10		C6-11	C6-12		
		(0.5-1.0')	(0.5-1.0')	(0.5-1.0')	(1.0-1.5')	(1.0-1.5')	(0.5-1.0')	(3.0-3.5')	(7.0-7.5')	(0.5-1.0')	(1.0-1.5')	(4.5-5.0')	(6.5-7.0')	(1.0-1.5')	(1.0-1.5')	(1.5-2.0')	(4.0-4.5')	(1.0-1.5')	(1.0-1.5')
1,2,4,5-Tetrachlorobenzene	NA	0.37 U	0.75 U	0.74 U	0.35 U R	0.34 U R	0.37 U R	0.39 U	0.39 U	0.33 U	0.34 U	0.38 U	0.39 U	0.34 U	0.34 U	0.34 U	0.38 U	0.34 U	0.35 U
1,4-Dioxane	0.1	0.37 U	0.75 U	0.74 U	0.35 U	0.34 U	0.37 U	0.39 U	0.39 U	0.33 U	0.34 U	0.38 U	0.39 U	0.34 U	0.34 U	0.34 U	0.38 U	0.34 U	0.35 U
2,2'-oxybis[1-chloropropane]	NA	0.37 U	0.75 U	0.74 U	0.35 U	0.34 U	0.37 U	0.39 U	0.39 U	0.33 U	0.34 U	0.38 U	0.39 U	0.34 U	0.34 U	0.34 U	0.38 U	0.34 U	0.35 U
2,3,4,6-Tetrachlorophenol	NA	0.37 U	0.75 U	0.74 U	0.35 U	0.34 U	0.37 U	0.39 U	0.39 U	0.33 U	0.34 U	0.38 U	0.39 U	0.34 U	0.34 U	0.34 U	0.38 U	0.34 U	0.35 U
2,4,5-Trichlorophenol	NA	0.37 U	0.75 U	0.74 U	0.35 U	0.34 U	0.37 U	0.39 U	0.39 U	0.33 U	0.34 U	0.38 U	0.39 U	0.34 U	0.34 U	0.34 U	0.38 U	0.34 U	0.35 U
2,4,6-Trichlorophenol	NA	0.37 U	0.75 U	0.74 U	0.35 U	0.34 U	0.37 U	0.39 U	0.39 U	0.33 U	0.34 U	0.38 U	0.39 U	0.34 U	0.34 U	0.34 U	0.38 U	0.34 U	0.35 U
2,4-Dichlorophenol	NA	0.37 U	0.75 U	0.74 U	0.35 U	0.34 U	0.37 U	0.39 U	0.39 U	0.33 U	0.34 U	0.38 U	0.39 U	0.34 U	0.34 U	0.34 U	0.38 U	0.34 U	0.35 U
2,4-Dimethylphenol	NA	0.37 U	0.75 U	0.74 U	0.35 U	0.34 U	0.37 U	0.39 U	0.39 U	0.33 U	0.34 U	0.38 U	0.39 U	0.34 U	0.34 U	0.34 U	0.38 U	0.34 U	0.35 U
2,4-Dinitrophenol	NA	1.1 U	2.3 U	2.2 U	1.1 U	1.0 U	1.1 U	1.2 U	1.2 U	1.0 U	1.0 U	1.2 U	1.2 U	1.0 U	1.0 U	1.0 U	1.2 U	1.0 U	1.0 U
2,4-Dinitrotoluene	NA	0.075 U	0.15 U	0.15 U	0.071 U	0.069 U	0.075 U	0.079 U	0.080 U	0.068 U	0.069 U	0.078 U	0.079 U	0.069 U	0.068 U	0.069 U	0.078 U	0.069 U	0.070 U
2,6-Dinitrotoluene	NA	0.075 U	0.15 U	0.15 U	0.071 U	0.069 U	0.075 U	0.079 U	0.080 U	0.068 U	0.069 U	0.078 U	0.079 U	0.069 U	0.068 U	0.069 U	0.078 U	0.069 U	0.070 U
2-Chloronaphthalene	NA	0.37 U	0.75 U	0.74 U	0.35 U	0.34 U	0.37 U	0.39 U	0.39 U	0.33 U	0.34 U	0.38 U	0.39 U	0.34 U	0.34 U	0.34 U	0.38 U	0.34 U	0.35 U
2-Chlorophenol	NA	0.37 U	0.75 U	0.74 U	0.35 U	0.34 U	0.37 U	0.39 U	0.39 U	0.33 U	0.34 U	0.38 U	0.39 U	0.34 U	0.34 U	0.34 U	0.38 U	0.34 U	0.35 U
2-Methylnaphthalene	NA	0.37 U	0.75 U	0.74 U	0.35 U	0.34 U	0.37 U	0.39 U	0.39 U	0.33 U	0.34 U	0.38 U	0.39 U	0.34 U	0.34 U	0.34 U	0.38 U	0.34 U	0.35 U
2-Methylphenol	0.33	0.37 U	0.75 U	0.74 U	0.35 U	0.34 U	0.37 U	0.39 U	0.39 U	0.33 U	0.34 U	0.38 U	0.39 U	0.34 U	0.34 U	0.34 U	0.38 U	0.34 U	0.35 U
2-Nitroaniline	NA	0.75 U	1.5 U	1.5 U	0.71 U	0.69 U	0.75 U	0.79 U	0.80 U	0.68 U	0.69 U	0.78 U	0.79 U	0.69 U	0.68 U	0.69 U	0.78 U	0.69 U	0.70 U
2-Nitrophenol	NA	0.37 U	0.75 U	0.74 U	0.35 U	0.34 U	0.37 U	0.39 U	0.39 U	0.33 U	0.34 U	0.38 U	0.39 U	0.34 U	0.34 U	0.34 U	0.38 U	0.34 U	0.35 U
3,3'-Dichlorobenzidine	NA	0.75 U	1.5 U	1.5 U	0.71 U	0.69 U	0.75 U	0.79 U	0.80 U	0.68 U	0.69 U	0.78 U	0.79 U	0.69 U	0.68 U	0.69 U	0.78 U	0.69 U	0.70 U
3-Nitroaniline	NA	0.75 U	1.5 U	1.5 U	0.71 U	0.69 U	0.75 U	0.79 U	0.80 U	0.68 U	0.69 U	0.78 U	0.79 U	0.69 U	0.68 U	0.69 U	0.78 U	0.69 U	0.70 U
4,6-Dinitro-2-methylphenol	NA	1.1 U	2.3 U	2.2 U	1.1 U	1.0 U	1.1 U	1.2 U	1.2 U	1.0 U	1.0 U	1.2 U	1.2 U	1.0 U	1.0 U	1.0 U	1.2 U	1.0 U	1.0 U
4-Bromophenyl phenyl ether	NA	0.37 U	0.75 U	0.74 U	0.35 U	0.34 U	0.37 U	0.39 U	0.39 U	0.33 U	0.34 U	0.38 U	0.39 U	0.34 U	0.34 U	0.34 U	0.38 U	0.34 U	0.35 U
4-Chloro-3-methylphenol	NA	0.37 U	0.75 U	0.74 U	0.35 U	0.34 U	0.37 U	0.39 U	0.39 U	0.33 U	0.34 U	0.38 U	0.39 U	0.34 U	0.34 U	0.34 U	0.38 U	0.34 U	0.35 U
4-Chloroaniline	NA	0.37 U	0.75 U	0.74 U	0.35 U	0.34 U	0.37 U	0.39 U	0.39 U	0.33 U	0.34 U	0.38 U	0.39 U	0.34 U	0.34 U	0.34 U	0.38 U	0.34 U	0.35 U
4-Chlorophenyl phenyl ether	NA	0.37 U	0.75 U	0.74 U	0.35 U	0.34 U	0.37 U	0.39 U	0.39 U	0.33 U	0.34 U	0.38 U	0.39 U	0.34 U	0.34 U	0.34 U	0.38 U	0.34 U	0.35 U
4-Methylphenol	0.33	0.37 U	0.75 U	0.74 U	0.35 U	0.34 U	0.37 U	0.39 U	0.39 U	0.33 U	0.34 U	0.38 U	0.39 U	0.34 U	0.34 U	0.34 U	0.38 U	0.34 U	0.35 U
4-Nitroaniline	NA	0.75 U	1.5 U	1.5 U	0.71 U	0.69 U	0.75 U	0.79 U	0.80 U	0.68 U	0.69 U	0.78 U	0.79 U	0.69 U	0.68 U	0.69 U	0.78 U	0.69 U	0.70 U
4-Nitrophenol	NA	1.1 U	2.3 U	2.2 U	1.1 U	1.0 U	1.1 U	1.2 U	1.2 U	1.0 U	1.0 U	1.2 U	1.2 U	1.0 U	1.0 U	1.0 U	1.2 U	1.0 U	1.0 U
Acenaphthene	20	0.37 U	0.75 U	0.74 U	0.35 U	0.34 U	0.37 U	0.39 U	0.39 U	0.33 U	0.34 U	0.17 J	0.39 U	0.34 U	0.34 U	0.34 U	0.38 U	0.34 U	0.35 U
Acenaphthylene	100	0.37 U	0.75 U	0.74 U	0.35 U	0.34 U	0.37 U	0.39 U	0.39 U	0.33 U	0.34 U	0.38 U	0.39 U	0.34 U	0.34 U	0.34 U	0.38 U	0.34 U	0.35 U
Acetophenone	NA	0.37 U	0.75 U	0.74 U	0.35 U	0.34 U	0.37 U	0.39 U	0.39 U	0.33 U	0.34 U	0.38 U	0.39 U	0.34 U	0.34 U	0.34 U	0.38 U	0.34 U	0.35 U
Anthracene	100	0.37 U	0.096 J	0.093 J	0.35 U	0.34 U	0.37 U	0.39 U	0.39 U	0.33 U	0.34 U	0.43	0.061 J	0.34 U	0.34 U	0.34 U	0.075 J	0.34 U	0.35 U
Atrazine	NA	0.37 U	0.75 U	0.74 U	0.35 U	0.34 U	0.37 U	0.39 U	0.39 U	0.33 U	0.34 U	0.38 U	0.39 U	0.34 U	0.34 U	0.34 U	0.38 U	0.34 U	0.35 U
Benzaldehyde	NA	0.37 U	0.75 U	0.74 U	0.35 U	0.34 U	0.37 U	0.39 U	0.39 U	0.33 U	0.34 U	0.38 U	0.39 U	0.34 U	0.34 U	0.34 U	0.38 U	0.34 U	0.35 U
Benzo[a]anthracene	1	0.14	0.37	0.44	0.12	0.034 U	0.20	0.034 J	0.039 U	0.019 J	0.043	1.4	0.23	0.070	0.034 U	0.086	0.31	0.037	0.035 U
Benzo[a]pyrene	1	0.16	0.40	0.45	0.10	0.055	0.20	0.034 J	0.039 U	0.015 J	0.042	1.4	0.26	0.047	0.034 U	0.083	0.34	0.034	0.035 U
Benzo[b]fluoranthene	1	0.20	0.61	0.61	0.13	0.064	0.23	0.044	0.039 U	0.019 J	0.036	1.9	0.29	0.062	0.034 U	0.095	0.33	0.037	0.035 U
Benzo[g,h,i]perylene	100	0.072 J	0.14 J	0.17 J	0.064 J	0.040 J	0.14 J	0.029 J	0.39 U	0.33 U	0.34 U	0.45	0.089 J	0.34 U	0.34 U	0.042 J	0.24 J	0.031 J	0.35 U
Benzo[k]fluoranthene	0.8	0.076	0.075 U	0.26	0.040	0.034 U	0.037 U	0.018 J	0.039 U	0.0071 J	0.016 J	0.019 J	0.12	0.034 U	0.034 U	0.034	0.14	0.014 J	0.035 U
Bis(2-chloroethoxy)methane	NA	0.37 U	0.75 U	0.74 U	0.35 U	0.34 U	0.37 U	0.39 U	0.39 U	0.33 U	0.34 U	0.38 U	0.39 U	0.34 U	0.34 U	0.34 U	0.38 U	0.34 U	0.35 U
Bis(2-chloroethyl)ether	NA	0.037 U	0.075 U	0.074 U	0.035 U	0.034 U	0.037 U	0.039 U	0.039 U	0.033 U	0.034 U	0.038 U	0.039 U	0.034 U	0.034 U	0.034 U	0.038 U	0.034 U	0.035 U
Bis(2-ethylhexyl) phthalate	NA	0.37 U	0.75 U	0.74 U	0.35 U	0.34 U	0.37 U	0.39 U	0.39 U	0.33 U	0.34 U	0.38 U	0.39 U	0.34 U	0.34 U	0.34 U	0.38 U	0.14 J	0.35 U
Butyl benzyl phthalate	NA	0.37 U	0.75 U	0.74 U	0.35 U	0.34 U	0.37 U	0.39 U	0.39 U										

Table 4-49
Soil TCL SVOC Analytical Data
Former Columbia C6 Building Area

TCL SVOCs (mg/kg)	NYSDEC Unrestricted SCO	Soil Samples Former Columbia C6 Building Area								
		C6-13			C6-14	C6-15	C6-16	C6-17		
		(1.0-1.5')	(5.5-6.0')	(6.5-7.0')	(1.0-1.5')	(1.0-1.5')	(1.0-1.5')	(1.0-1.5')	(4.0-4.5')	(5.0-5.5')
1,2,4,5-Tetrachlorobenzene	NA	0.34 U	19 U	0.37 U	0.34 U	0.36 U	0.34 U	0.69 U	3.5 U	2.0 U
1,4-Dioxane	0.1	0.34 U	19 U	0.37 U	0.34 U	0.36 U	0.34 U	0.69 U	3.5 U	2.0 U
2,2'-oxybis[1-chloropropane]	NA	0.34 U	19 U	0.37 U	0.34 U	0.36 U	0.34 U	0.69 U	3.5 U	2.0 U
2,3,4,6-Tetrachlorophenol	NA	0.34 U	19 U	0.37 U	0.34 U	0.36 U	0.34 U	0.69 U	3.5 U	2.0 U
2,4,5-Trichlorophenol	NA	0.34 U	19 U	0.37 U	0.34 U	0.36 U	0.34 U	0.69 U	3.5 U	2.0 U
2,4,6-Trichlorophenol	NA	0.34 U	19 U	0.37 U	0.34 U	0.36 U	0.34 U	0.69 U	3.5 U	2.0 U
2,4-Dichlorophenol	NA	0.34 U	19 U	0.37 U	0.34 U	0.36 U	0.34 U	0.69 U	3.5 U	2.0 U
2,4-Dimethylphenol	NA	0.34 U	19 U	0.37 U	0.34 U	0.36 U	0.34 U	0.69 U	3.5 U	2.0 U
2,4-Dinitrophenol	NA	1.0 U	57 U	1.1 U	1.0 U	1.1 U	1.0 U	2.1 U	11 U	6.0 U
2,4-Dinitrotoluene	NA	0.069 U	3.8 U	0.075 U	0.069 U	0.073 U	0.069 U	0.14 U	0.71 U	0.40 U
2,6-Dinitrotoluene	NA	0.069 U	3.8 U	0.075 U	0.069 U	0.073 U	0.069 U	0.14 U	0.71 U	0.40 U
2-Chloronaphthalene	NA	0.34 U	19 U	0.37 U	0.34 U	0.36 U	0.34 U	0.69 U	3.5 U	2.0 U
2-Chlorophenol	NA	0.34 U	19 U	0.37 U	0.34 U	0.36 U	0.34 U	0.69 U	3.5 U	2.0 U
2-Methylnaphthalene	NA	0.34 U	5.1 J	0.37 U	0.34 U	0.36 U	0.34 U	0.69 U	3.5 U	0.46 J
2-Methylphenol	0.33	0.34 U	19 U	0.37 U	0.34 U	0.36 U	0.34 U	0.69 U	3.5 U	2.0 U
2-Nitroaniline	NA	0.69 U	38 U	0.75 U	0.69 U	0.73 U	0.69 U	1.4 U	7.1 U	4.0 U
2-Nitrophenol	NA	0.34 U	19 U	0.37 U	0.34 U	0.36 U	0.34 U	0.69 U	3.5 U	2.0 U
3,3'-Dichlorobenzidine	NA	0.69 U	38 U	0.75 U	0.69 U	0.73 U	0.69 U	1.4 U	7.1 U	4.0 U
3-Nitroaniline	NA	0.69 U	38 U	0.75 U	0.69 U	0.73 U	0.69 U	1.4 U	7.1 U	4.0 U
4,6-Dinitro-2-methylphenol	NA	1.0 U	57 U	1.1 U	1.0 U	1.1 U	1.0 U	2.1 U	11 U	6.0 U
4-Bromophenyl phenyl ether	NA	0.34 U	19 U	0.37 U	0.34 U	0.36 U	0.34 U	0.69 U	3.5 U	2.0 U
4-Chloro-3-methylphenol	NA	0.34 U	19 U	0.37 U	0.34 U	0.36 U	0.34 U	0.69 U	3.5 U	2.0 U
4-Chloroaniline	NA	0.34 U	19 U	0.37 U	0.34 U	0.36 U	0.34 U	0.69 U	3.5 U	2.0 U
4-Chlorophenyl phenyl ether	NA	0.34 U	19 U	0.37 U	0.34 U	0.36 U	0.34 U	0.69 U	3.5 U	2.0 U
4-Methylphenol	0.33	0.34 U	19 U	0.37 U	0.34 U	0.36 U	0.34 U	0.69 U	3.5 U	2.0 U
4-Nitroaniline	NA	0.69 U	38 U	0.75 U	0.69 U	0.73 U	0.69 U	1.4 U	7.1 U	4.0 U
4-Nitrophenol	NA	1.0 U	57 U	1.1 U	1.0 U	1.1 U	1.0 U	2.1 U	11 U	6.0 U
Acenaphthene	20	0.34 U	18 J	0.37 U	0.34 U	0.36 U	0.34 U	0.69 U	3.5 U	1.9 J
Acenaphthylene	100	0.34 U	19 U	0.37 U	0.34 U	0.36 U	0.34 U	0.69 U	3.5 U	2.0 U
Acetophenone	NA	0.34 U	19 U	0.37 U	0.34 U	0.36 U	0.34 U	0.69 U	3.5 U	2.0 U
Anthracene	100	0.10 J	58	0.053 J	0.34 U	0.052 J	0.34 U	0.69 U	3.5 U	2.8
Atrazine	NA	0.34 U	19 U	0.37 U	0.34 U	0.36 U	0.34 U	0.69 U	3.5 U	2.0 U
Benzaldehyde	NA	0.34 U	19 U	0.37 U	0.34 U	0.36 U	0.34 U	0.69 U	3.5 U	2.0 U
Benzo[a]anthracene	1	0.41	100	0.13	0.034 U	0.14	0.034 U	0.069 U	0.35 U	6.6
Benzo[a]pyrene	1	0.35	88	0.10	0.034 U	0.11	0.034 U	0.098	0.11 J	5.8
Benzo[b]fluoranthene	1	0.39	87	0.12	0.034 U	0.11	0.034 U	0.080	0.10 J	5.6
Benzo[g,h,i]perylene	100	0.23 J	45	0.039 J	0.34 U	0.046 J	0.34 U	0.69 U	3.5 U	3.7
Benzo[k]fluoranthene	0.8	0.11	31	0.048	0.034 U	0.061	0.034 U	0.069 U	0.35 U	2.4
Bis(2-chloroethoxy)methane	NA	0.34 U	19 U	0.37 U	0.34 U	0.36 U	0.34 U	0.69 U	3.5 U	2.0 U
Bis(2-chloroethyl)ether	NA	0.034 U	1.9 U	0.037 U	0.034 U	0.036 U	0.034 U	0.069 U	0.35 U	0.20 U
Bis(2-ethylhexyl) phthalate	NA	0.34 U	19 U	0.37 U	0.34 U	0.21 J	0.34 U	0.69 U	3.5 U	2.0 U
Butyl benzyl phthalate	NA	0.34 U	19 U	0.37 U	0.34 U	0.36 U	0.34 U	0.69 U	29	2.0 U
Caprolactam	NA	0.34 U	19 U	0.37 U	0.34 U	0.36 U	0.34 U	0.69 U	3.5 U	2.0 U
Carbazole	NA	0.34 U	17 J	0.37 U	0.34 U	0.36 U	0.34 U	0.69 U	3.5 U	0.95 J
Chrysene	1	0.43	97	0.12 J	0.34 U	0.13 J	0.34 U	0.096 J	3.5 U	7.3
Dibenz(a,h)anthracene	0.33	0.054	13	0.037 U	0.034 U	0.036 U	0.034 U	0.069 U	0.35 U	1.1
Dibenzofuran	7	0.34 U	16 J	0.37 U	0.34 U	0.36 U	0.34 U	0.69 U	3.5 U	1.6 J
Diethyl phthalate	NA	0.34 U	19 U	0.37 U	0.34 U	0.36 U	0.34 U	0.69 U	3.5 U	2.0 U
Dimethyl phthalate	NA	0.34 U	19 U	0.37 U	0.34 U	0.36 U	0.34 U	0.69 U	3.5 U	2.0 U
Di-n-butyl phthalate	NA	0.34 U	19 U	0.37 U	0.34 U	0.36 U	0.34 U	0.69 U	3.5 U	2.0 U
Di-n-octyl phthalate	NA	0.34 U	19 U	0.37 U	0.34 U	0.36 U	0.34 U	0.69 U	3.5 U	2.0 U
Diphenyl	NA	0.34 U	19 U	0.37 U	0.34 U	0.36 U	0.34 U	0.69 U	3.5 U	2.0 U
Fluoranthene	100	0.43	170	0.25 J	0.34 U	0.24 J	0.34 U	0.21 J	3.5 U	8.2
Fluorene	30	0.34 U	19	0.37 U	0.34 U	0.36 U	0.34 U	0.69 U	3.5 U	1.9 J
Hexachlorobenzene	0.33	0.034 U	1.9 U	0.037 U	0.034 U	0.036 U	0.034 U	0.069 U	0.35 U	0.20 U
Hexachlorobutadiene	NA	0.069 U	3.8 U	0.075 U	0.069 U	0.073 U	0.069 U	0.14 U	0.71 U	0.40 U
Hexachlorocyclopentadiene	NA	0.34 U	19 U	0.37 U	0.34 U	0.36 U	0.34 U	0.69 U	3.5 U	2.0 U
Hexachloroethane	NA	0.034 U	1.9 U	0.037 U	0.034 U	0.036 U	0.034 U	0.069 U	0.35 U	0.20 U
Indeno[1,2,3-cd]pyrene	0.5	0.24	52	0.046	0.034 U	0.061	0.034 U	0.069 U	0.35 U	4.3
Isophorone	NA	0.34 U	19 U	0.37 U	0.34 U	2.2	0.34 U	9.2	5.5	2.0 U
Naphthalene	12	0.34 U	5.0 J	0.37 U	0.34 U	0.36 U	0.34 U	0.69 U	3.5 U	0.81 J
Nitrobenzene	NA	0.034 U	1.9 U	0.037 U	0.034 U	0.036 U	0.034 U	0.069 U	0.35 U	0.20 U
N-Nitrosodi-n-propylamine	NA	0.034 U	1.9 U	0.037 U	0.034 U	0.036 U	0.034 U	0.069 U	0.35 U	0.20 U
N-Nitrosodiphenylamine	NA	0.34 U	19 U	0.37 U	0.34 U	0.36 U	0.34 U	0.69 U	3.5 U	2.0 U
Pentachlorophenol	0.8	1.0 U	57 U	1.1 U	1.0 U	1.1 U	1.0 U	2.1 U	11 U	6.0 U
Phenanthrene	100	0.45	270	0.21 J	0.34 U	0.21 J	0.34 U	0.18 J	3.5 U	9.5
Phenol	0.33	0.34 U	19 U	0.37 U	0.34 U	0.36 U	0.34 U	0.69 U	3.5 U	2.0 U
Pyrene	100	0.93	320	0.22 J	0.028 J	0.28 J	0.033 J	0.26 J	0.33 J	19
Pyridine	NA	0.34 U	19 U	0.37 U	0.34 U	0.36 U	0.34 U	0.69 U	3.5 U	2.0 U

Notes
ND: TIC not detected
J : Indicates an estimated value.
J N : This flag indicates the presumptive evidence of a compound.
U : Analyzed for but not detected.
Highlighted / bolded indicates analyte exceeded above its respective NYSDEC Unrestricted SCO.
NA - Not Available

Table 4-50
TAL Metals Soil Analytical Data
Former Columbia C6 Building Area

TAL Metals (mg/kg)	NYSDEC Unrestricted SCO	Soil Samples Former Columbia C6 Building Area																	
		C6-1	C6-2	C6-3	C6-4	C6-5	C6-6		C6-7	C6-8		C6-9	C6-10		C6-11	C6-12			
		(0.5-1.0')	(0.5-1.0')	(0.5-1.0')	(1.0-1.5')	(1.0-1.5')	(0.5-1.0')	(3.0-3.5')	(7.0-7.5')	(0.5-1.0')	(1.0-1.5')	(4.5-5.0')	(6.5-7.0')	(1.0-1.5')	(1.0-1.5')	(1.5-2.0')	(4.0-4.5')	(1.0-1.5')	(1.0-1.5')
Aluminum	NA	5,110	6,500	5,880	2,700	1,930	6,310	11,300	22,100	1,460	1,640	9,030	11,800	1,470	1,480	1,710	1,750	1,520	2,700
Antimony	NA	1.7 U	1.7 U	1.6 U	2.1 U	1.8 U	2.1 U	2.1 U	2.2 U	2.0 U	2.0 U	2.1 U	2.1 U	2.0 U	1.9 U	2.1 U	2.2 U	1.9 U	2.0 U
Arsenic	13	5.2	3.5	5.5	1.8	1.4	3.0	5.5	9.4	1.5	1.1	9.3	5.7	1.0 U	0.94 U	1.0 U	2.3	0.95 J	1.3
Barium	350	41.4	40.8	33.2	20.5 J	16.0 J	73.8	52.2	120	12.5 J	21.0 J	115	76.0	11.7 J	19.3 J	14.9 J	17.0 J	12.8 J	17.9 J
Beryllium	7.2	0.21 J	0.16 J	0.22 J	0.42 U	0.37 U	0.26 J	0.49	0.83 J	0.39 U	0.40 U	0.24 J	0.45	0.40 U	0.37 U	0.42 U	0.45 U	0.38 U	0.14 J
Cadmium	2.5	0.16 J	0.46 J	0.20 J	1.1 U	0.92 U	1.0 U	1.1 U	2.8 U	0.98 U	1.0 U	1.1 U	1.1 U	1.0 U	0.94 U	1.0 U	1.1 U	0.96 U	0.98 U
Calcium	NA	3,820	49,700	56,700	1,210	2,880	956 J	627 J	527 J	1,320	506 J	2,270	1,060	380 J	1,410	2,250	535 J	315 J	623 J
Chromium ¹	30	15.2	22.9	13.6	5.4	4.7	14.7	18.1	46.4	17.7	4.3	20.1	20.8	3.3	3.5	5.9	4.6	3.7	6.3
Cobalt	NA	9.0	6.5 J	2.9 J	2.5 J	1.7 J	4.1 J	6.9 J	30.3	1.5 J	2.0 J	9.3 J	6.7 J	1.3 J	1.9 J	2.1 J	1.6 J	1.7 J	2.2 J
Copper	50	13.4	40.4	10.4	3.1 J	3.9 J	11.4	13.6	39.5	3.6 J	3.3 J	13.9	10.7	2.6 J	3.2 J	3.4 J	3.8 J	2.8 J	4.3 J
Iron	NA	27,500	14,900	9,680	6,710	5,960	9,650	20,100	58,700	5,270	6,810	32,800	23,500	3,810	5,070	5,220	5,790	3,840	5,840
Lead	63	12.9	32.6	23.1	6.1	3.9	21.4	64.0	14.2	5.8	5.0	40.2	23.8	2.2	2.2	2.7	5.4	6.1	12.2
Magnesium	NA	3,080	4,650	12,900	721 J	631 J	1,610	2,060	5,760	625 J	626 J	2,030	2,120	491 J	532 J	632 J	519 J	473 J	839 J
Manganese	1,600	414	379	172	211	139	380	344	903	109	192	2,280	621	90.9	216	120	59.1	91.1	140
Nickel	30	12.6	17.5	8.4	3.9 J	3.7 J	9.7	12.9	29.3	4.1 J	3.6 J	15.8	10.4	2.9 J	3.4 J	4.1 J	2.9 J	2.8 J	5.3 J
Potassium	NA	614 J	467 J	524 J	410 J	348 J	740 J	480 J	3,740	382 J	348 J	697 J	552 J	345 J	291 J	342 J	294 J	313 J	529 J
Selenium	3.9	1.7 U	1.7 U	1.6 U	2.1 U	1.8 U	2.1 U	2.1 U	5.6 U	2.0 U	2.0 U	2.1 U	2.1 U	2.0 U	1.9 U	2.1 U	2.2 U	1.9 U	2.0 U
Silver	2	0.82 J	14.8	1.7	2.1 U	1.8 U	2.1 U	2.1 U	5.6 U	2.0 U	2.0 U	2.1 U	2.1 U	2.0 U	1.9 U	2.1 U	2.2 U	1.9 U	2.0 U
Sodium	NA	145 J	271 J	162 J	1,050 U	916 U	1,050 U	1,070 U	1,120 U	977 U	1,000 U	1,060 U	1,050 U	1,010 U	937 U	1,040 U	1,120 U	958 U	978 U
Thallium	NA	1.7 U	1.7 U	1.6 U	2.1 U	1.8 U	2.1 U	2.1 U	2.2 U	2.0 U	2.0 U	2.1 U	2.1 U	2.0 U	1.9 U	2.1 U	2.2 U	1.9 U	2.0 U
Vanadium	NA	18.4	37.4	19.9	6.6 J	4.5 J	15.0	24.1	61.0	5.3 J	5.2 J	26.3	27.2	3.9 J	3.9 J	12.3	4.7 J	4.2 J	6.9 J
Zinc	109	30.2	94.2	35.6	12.1	9.4	47.2	40.1	72.6	8.2	14.1	60.8	38.1	8.8	13.6	16.8	21.8	12.3	17.5
Mercury	0.18	0.019	0.034	0.037	0.013 J	0.017 U	0.030	0.080	0.017 J	0.017 U	0.018 U	0.046	0.055	0.017 U	0.017 U	0.017 U	0.019 U	0.028	0.055

Notes
J : Sample result is greater than the MDL but below the CRDL
U : Indicates analyzed for but not detected.
¹ Trivalent chromium SCOs utilized.
Highlighted / bolded indicates analyte exceeded above its respective NYSDEC Unrestricted SCO.
NA - Not Available



Table 4-50
TAL Metals Soil Analytical Data
Former Columbia C6 Building Area

TAL Metals (mg/kg)	NYSDEC Unrestricted SCO	Soil Samples Former Columbia C6 Building Area								
		C6-13			C6-14	C6-15	C6-16	C6-17		
		(1.0-1.5')	(5.5-6.0')	(6.5-7.0')	(1.0-1.5')	(1.0-1.5')	(1.0-1.5')	(1.0-1.5')	(4.0-4.5')	(5.0-5.5')
Aluminum	NA	3,950	3,670	6,480	1,250	3,660	2,700	3,320	4,370	7,680
Antimony	NA	2.0 U	2.1 J	2.1 U	1.9 U	2.1 U	2.0 U	2.0 U	2.1 U	2.3 U
Arsenic	13	1.3	5.9	1.4	0.96 U	1.8	1.6	2.3	2.1	9.2
Barium	350	30.3 J	40.2 J	38.5 J	9.6 J	28.8 J	23.5 J	29.2 J	58.0	110
Beryllium	7.2	0.19 J	0.16 J	0.22 J	0.38 U	0.21 J	0.40 U	0.14 J	0.16 J	0.36 J
Cadmium	2.5	0.99 U	1.1 U	1.1 U	0.96 U	1.1 U	0.99 U	0.98 U	1.0 U	0.18 J
Calcium	NA	15,700	26,700	782 J	1,120	11,600	1,710	29,400	46,000	3,180
Chromium ¹	30	7.7	13.3	15.9	3.3	8.4	5.7	6.0	9.6	19.4
Cobalt	NA	2.3 J	3.0 J	4.0 J	1.3 J	3.6 J	2.1 J	2.7 J	3.0 J	4.4 J
Copper	50	6.3	16.4	5.3	2.5 J	9.1	5.3	5.6	7.4	15.5
Iron	NA	9,320	7,120	10,300	3,590	7,320	6,160	10,400	7,740	9,830
Lead	63	184	136	4.9	1.6	14.1	17.3	4.1	11.1	46.8
Magnesium	NA	2,100	15,000	2,040	383 J	1,620	820 J	2,290	3,290	1,610
Manganese	1,600	184	99.3	147	99.4	145	140	93.8	131	144
Nickel	30	5.7 J	8.5 J	7.8 J	4.4 J	6.6 J	5.2 J	5.0 J	6.0 J	9.6
Potassium	NA	543 J	491 J	847 J	246 J	589 J	517 J	675 J	723 J	862 J
Selenium	3.9	2.0 U	2.2 U	2.1 U	1.9 U	2.1 U	2.0 U	2.0 U	2.1 U	2.3 U
Silver	2	2.0 U	2.2 U	2.1 U	1.9 U	2.1 U	2.0 U	2.0 U	0.36 J	2.3 U
Sodium	NA	994 U	1,080 U	1,060 U	956 U	1,070 U	993 U	256 J	287 J	1,130 U
Thallium	NA	2.0 U	2.2 U	2.1 U	1.9 U	2.1 U	2.0 U	2.0 U	2.1 U	2.3 U
Vanadium	NA	7.6 J	11.0	16.3	3.1 J	7.9 J	6.8 J	6.4 J	8.7 J	21.1
Zinc	109	39.8	56.6	17.8	5.5 J	23.3	19.5	16.3	33.9	76.8
Mercury	0.18	0.023	0.070	0.018 U	0.017 U	0.016 J	0.051	0.018 U	0.014 J	0.050

Notes
J : Sample result is greater than the MDL but below the CRDL
U : Indicates analyzed for but not detected.
¹ Trivalent chromium SCOs utilized.
Highlighted / bolded indicates analyte exceeded above its respective NYSDEC Unrestricted SCO.
NA - Not Available



Table 4-51
TCL VOCs Soil Analytical Data
Former Building No. 9 (Annex) Area

TCL VOCs (mg/kg)	NYSDEC Unrestricted SCO	Soil Samples Former Building No. 9 (Annex) Area															
		B9-1	B9-2	B9-3	B9-4		B9-5	B9-6		B9-7		B9-8	B9-9		B9-10		
		(0.5-1.0')	(0.5-1.0')	(0.5-1.0')	(0.5-1.0')	(4.5-5.0')	(7.5-8.0')	(0.5-1.0')	(0.5-1.0')	(0.5-1.0')	(4.0-4.5')	(7.0-7.5')	(0.5-1.0')	(0.5-1.0')	(4.0-4.5')	(7.5-8.0')	(0.5-1.0')
1,1,1-Trichloroethane	0.68	0.00095 U	0.0010 U	0.00088 U	0.00087 U	0.00082 U	0.00080 U	0.00088 U	0.00082 U	0.0013 U	0.00077 U	0.00089 U	0.00078 U	0.00090 U	0.00074 U	0.0012 U	0.0010 U
1,1,2,2-Tetrachloroethane	NA	0.00095 U	0.0010 U	0.00088 U	0.00087 U	0.00082 U	0.00080 U	0.00089 U	0.00082 U	0.0013 U	0.00077 U	0.00089 U	0.00078 U	0.00090 U	0.00074 U	0.0012 U	0.0010 U
1,1,2-Trichloroethane	NA	0.00095 U	0.0010 U	0.00088 U	0.00087 U	0.00082 U	0.00080 U	0.00089 U	0.00082 U	0.0013 U	0.00077 U	0.00089 U	0.00078 U	0.00090 U	0.00074 U	0.0012 U	0.0010 U
1,1-Dichloroethane	0.27	0.00095 U	0.0010 U	0.00088 U	0.00087 U	0.00082 U	0.00080 U	0.00089 U	0.00082 U	0.0013 U	0.00077 U	0.00089 U	0.00078 U	0.00090 U	0.00074 U	0.0012 U	0.0010 U
1,1-Dichloroethene	0.33	0.00095 U	0.0010 U	0.00088 U	0.00087 U	0.00082 U	0.00080 U	0.00089 U	0.00082 U	0.0013 U	0.00077 U	0.00089 U	0.00078 U	0.00090 U	0.00074 U	0.0012 U	0.0010 U
1,2,3-Trichlorobenzene	NA	0.00095 U	0.0010 U	0.00088 U	0.00087 U	0.00082 U	0.00080 U	0.00089 U	0.00082 U	0.0013 U	0.00077 U	0.00089 U	0.00078 U	0.00090 U	0.00074 U	0.0012 U	0.0010 U
1,2,4-Trichlorobenzene	NA	0.00095 U	0.0010 U	0.00088 U	0.00087 U	0.00082 U	0.00080 U	0.00089 U	0.00082 U	0.0013 U	0.00077 U	0.00089 U	0.00078 U	0.00090 U	0.00074 U	0.0012 U	0.0010 U
1,2-Dibromo-3-Chloropropane	NA	0.00095 U	0.0010 U	0.00088 U	0.00087 U	0.00082 U	0.00080 U	0.00089 U	0.00082 U	0.0013 U	0.00077 U	0.00089 U	0.00078 U	0.00090 U	0.00074 U	0.0012 U	0.0010 U
1,2-Dibromoethane	NA	0.00095 U	0.0010 U	0.00088 U	0.00087 U	0.00082 U	0.00080 U	0.00089 U	0.00082 U	0.0013 U	0.00077 U	0.00089 U	0.00078 U	0.00090 U	0.00074 U	0.0012 U	0.0010 U
1,2-Dichlorobenzene	1.1	0.00095 U	0.0010 U	0.00088 U	0.00087 U	0.00082 U	0.00080 U	0.00089 U	0.00082 U	0.0013 U	0.00077 U	0.00089 U	0.00078 U	0.00090 U	0.00074 U	0.0012 U	0.0010 U
1,2-Dichloroethane	0.02	0.00095 U	0.0010 U	0.00088 U	0.00087 U	0.00082 U	0.00080 U	0.00089 U	0.00082 U	0.0013 U	0.00077 U	0.00089 U	0.00078 U	0.00090 U	0.00074 U	0.0012 U	0.0010 U
1,2-Dichloropropane	NA	0.00095 U	0.0010 U	0.00088 U	0.00087 U	0.00082 U	0.00080 U	0.00089 U	0.00082 U	0.0013 U	0.00077 U	0.00089 U	0.00078 U	0.00090 U	0.00074 U	0.0012 U	0.0010 U
1,3-Dichlorobenzene	2.4	0.00095 U	0.0010 U	0.00088 U	0.00087 U	0.00082 U	0.00080 U	0.00089 U	0.00082 U	0.0013 U	0.00077 U	0.00089 U	0.00078 U	0.00090 U	0.00074 U	0.0012 U	0.0010 U
1,4-Dichlorobenzene	1.8	0.00095 U	0.0010 U	0.00088 U	0.00087 U	0.00082 U	0.00080 U	0.00089 U	0.00082 U	0.0013 U	0.00077 U	0.00089 U	0.00078 U	0.00090 U	0.00074 U	0.0012 U	0.0010 U
1,4-Dioxane	0.1	0.047 U	0.051 U	0.044 U	0.044 U	0.041 U	0.040 U	0.044 U	0.041 U	0.064 U	0.038 U	0.044 U	0.039 U	0.045 U	0.037 U	0.060 U	0.051 U
2-Butanone (MEK)	0.12	0.0095 U	0.010 U	0.0088 U	0.0087 U	0.0082 U	0.0080 U	0.0089 U	0.0021 J	0.013 U	0.0077 U	0.0089 U	0.0078 U	0.0090 U	0.0074 U	0.012 U	0.010 U
2-Hexanone	NA	0.0095 U	0.010 U	0.0088 U	0.0087 U	0.0082 U	0.0080 U	0.0089 U	0.0082 U	0.013 U	0.0077 U	0.0089 U	0.0078 U	0.0090 U	0.0074 U	0.012 U	0.010 U
4-Methyl-2-pentanone	NA	0.0095 U	0.010 U	0.0088 U	0.0087 U	0.0082 U	0.0080 U	0.0089 U	0.0082 U	0.013 U	0.0077 U	0.0089 U	0.0078 U	0.0090 U	0.0074 U	0.012 U	0.010 U
Acetone	0.05	0.0038 J B	0.010 U	0.0088 U	0.0087 U	0.0082 U	0.0080 U	0.0089 U	0.018	0.013 U	0.0077 U	0.0089 U	0.0078 U	0.0090 U	0.0074 U	0.012 U	0.010 U
Benzene	0.06	0.00095 U	0.0010 U	0.00088 U	0.00087 U	0.00082 U	0.00080 U	0.00089 U	0.00082 U	0.0013 U	0.00077 U	0.00089 U	0.00078 U	0.00090 U	0.00074 U	0.0012 U	0.0010 U
Bromochloromethane	NA	0.00095 U	0.0010 U	0.00088 U	0.00087 U	0.00082 U	0.00080 U	0.00089 U	0.00082 U	0.0013 U	0.00077 U	0.00089 U	0.00078 U	0.00090 U	0.00074 U	0.0012 U	0.0010 U
Bromodichloromethane	NA	0.00095 U	0.0010 U	0.00088 U	0.00087 U	0.00082 U	0.00080 U	0.00089 U	0.00082 U	0.0013 U	0.00077 U	0.00089 U	0.00078 U	0.00090 U	0.00074 U	0.0012 U	0.0010 U
Bromoform	NA	0.00095 U	0.0010 U	0.00088 U	0.00087 U	0.00082 U	0.00080 U	0.00089 U	0.00082 U	0.0013 U	0.00077 U	0.00089 U	0.00078 U	0.00090 U	0.00074 U	0.0012 U	0.0010 U
Bromomethane	NA	0.00095 U	0.0010 U	0.00088 U	0.00087 U	0.00082 U	0.00080 U	0.00089 U	0.00082 U	0.0013 U	0.00077 U	0.00089 U	0.00078 U	0.00090 U	0.00074 U	0.0012 U	0.0010 U
Carbon disulfide	NA	0.00095 U	0.0010 U	0.00088 U	0.00087 U	0.00082 U	0.00080 U	0.00089 U	0.00012 J	0.0013 U	0.00077 U	0.00089 U	0.00078 U	0.00090 U	0.00074 U	0.0012 U	0.0010 U
Carbon tetrachloride	0.76	0.00095 U R	0.0010 U	0.00088 U	0.00087 U	0.00082 U	0.00080 U	0.00089 U	0.00082 U	0.0013 U	0.00077 U	0.00089 U	0.00078 U	0.00090 U R	0.00074 U	0.0012 U R	0.0010 U
Chlorobenzene	1.1	0.00095 U	0.0010 U	0.00088 U	0.00087 U	0.00082 U	0.00080 U	0.00089 U	0.00082 U	0.0013 U	0.00077 U	0.00089 U	0.00078 U	0.00090 U	0.00074 U	0.0012 U	0.0010 U
Chloroethane	NA	0.00095 U	0.0010 U	0.00088 U	0.00087 U	0.00082 U	0.00080 U	0.00089 U	0.00082 U	0.0013 U	0.00077 U	0.00089 U	0.00078 U	0.00090 U	0.00074 U	0.0012 U	0.0010 U
Chloroform	0.37	0.00095 U	0.0010 U	0.00088 U	0.00087 U	0.00082 U	0.00080 U	0.00089 U	0.00082 U	0.0013 U	0.00077 U	0.00089 U	0.00078 U	0.00090 U	0.00074 U	0.0012 U	0.0010 U
Chloromethane	NA	0.00095 U	0.0010 U	0.00088 U	0.00087 U	0.00082 U	0.00080 U	0.00089 U	0.00082 U	0.0013 U	0.00077 U	0.00089 U	0.00078 U	0.00090 U	0.00074 U	0.0012 U	0.0010 U
cis-1,2-Dichloroethene	0.25	0.00095 U	0.0010 U	0.00088 U	0.00087 U	0.00082 U	0.00080 U	0.00089 U	0.00082 U	0.0013 U	0.00077 U	0.00089 U	0.00078 U	0.00090 U	0.00074 U	0.0012 U	0.0010 U
cis-1,3-Dichloropropene	NA	0.00095 U	0.0010 U	0.00088 U	0.00087 U	0.00082 U	0.00080 U	0.00089 U	0.00082 U	0.0013 U	0.00077 U	0.00089 U	0.00078 U	0.00090 U	0.00074 U	0.0012 U	0.0010 U
Cyclohexane	NA	0.00095 U	0.0010 U	0.00088 U	0.00087 U	0.00082 U	0.00080 U	0.00089 U	0.00082 U	0.0013 U	0.00077 U	0.00089 U	0.00078 U	0.00090 U	0.00074 U	0.0012 U	0.0010 U
Dibromochloromethane	NA	0.00095 U	0.0010 U	0.00088 U	0.00087 U	0.00082 U	0.00080 U	0.00089 U	0.00082 U	0.0013 U	0.00077 U	0.00089 U	0.00078 U	0.00090 U	0.00074 U	0.0012 U	0.0010 U
Dichlorodifluoromethane	NA	0.00095 U	0.0010 U	0.00088 U	0.00087 U	0.00082 U	0.00080 U	0.00089 U	0.00082 U	0.0013 U	0.00077 U	0.00089 U	0.00078 U	0.00090 U	0.00074 U	0.0012 U	0.0010 U
Ethylbenzene	1	0.00095 U	0.0010 U	0.00088 U	0.00087 U	0.00082 U	0.00080 U	0.00089 U	0.00082 U	0.0013 U	0.00077 U	0.00089 U	0.00078 U	0.00090 U	0.00074 U	0.0012 U	0.0010 U
Freon 113	NA	0.00095 U	0.0010 U	0.00088 U	0.00087 U	0.00082 U	0.00080 U	0.00089 U	0.00082 U	0.0013 U	0.00077 U	0.00089 U	0.00078 U	0.00090 U	0.00074 U	0.0012 U	0.0010 U
Isopropylbenzene	NA	0.00095 U	0.0010 U	0.00088 U	0.00087 U	0.00082 U	0.00080 U	0.00089 U	0.00082 U	0.0013 U	0.00077 U	0.00089 U	0.00078 U	0.00090 U	0.00074 U	0.0012 U	0.0010 U
m&p-Xylene	0.26	0.0019 U	0.0020 U	0.0018 U	0.0017 U	0.0016 U	0.0016 U	0.0018 U	0.0016 U	0.0026 U	0.0015 U	0.0018 U	0.0016 U	0.0018 U	0.0015 U	0.0024 U	0.0020 U
Methyl acetate	NA	0.00095 U	0.0010 U	0.00088 U	0.00087 U	0.00082 U	0.00080 U	0.00089 U	0.00082 U	0.0013 U	0.00077 U	0.00089 U	0.00078 U	0.00090 U	0.00074 U	0.0012 U	0.0010 U
Methylcyclohexane	NA	0.00095 U	0.0010 U	0.00088 U	0.00087 U	0.00082 U	0.00080 U	0.00089 U	0.00082 U	0.0013 U	0.00077 U	0.00089 U	0.00078 U	0.00090 U	0.00074 U	0.0012 U	0.0010 U
Methylene Chloride	0.05	0.00095 U	0.0010 U	0.00088 U	0.00087 U	0.00082 U	0.00080 U	0.00089 U	0.00082 U	0.0013 U	0.00077 U	0.00089 U	0.00078 U	0.00090 U	0.00074 U	0.0012 U	0.0010 U
MTBE	0.93	0.00095 U	0.0010 U	0.00088 U	0.00087 U	0.00082 U	0.00080 U	0.00089 U	0.00082 U	0.0013 U	0.00077 U	0.00089 U	0.00078 U	0.00090 U	0.00074 U	0.0012 U	0.0010 U
o-Xylene	0.26	0.00095 U	0.0010 U	0.00088 U	0.00087 U	0.00082 U	0.00080 U	0.00089 U	0.00082 U	0.0013 U	0.00077 U	0.00089 U	0.00078 U	0.00090 U	0.00074 U	0.0012 U	0.0010 U
Styrene	NA	0.00095 U	0.0010 U	0.00088 U	0.00087 U	0.00082 U	0.00080 U	0.00089 U	0.00082 U	0.0013 U	0.00077 U	0.00089 U	0.00078 U	0.00090 U	0.00074 U	0.0012 U	0.0010 U
Tetrachloroethene	1.3	0.00095 U	0.0010 U	0.00088 U	0.00087 U	0.00082 U	0.00080 U	0.00089 U	0.00082 U	0.0013 U	0.00077 U	0.00089 U	0.00078 U	0.00090 U	0.00074 U	0.0012 U	0.0010 U
Toluene	0.7	0.00095 U	0.0010 U	0.00088 U	0.00087 U	0.00082 U	0.00080 U	0.00089 U	0.00082 U	0.0013 U	0.00077 U	0.00089 U	0.00078 U	0.00090 U	0.00074 U	0.0012 U	0.0010 U
trans-1,2-Dichloroethene	0.19	0.00095 U	0.0010 U	0.00088 U	0.00087 U	0.00082 U	0.00080 U	0.00089 U	0.00082 U	0.0013 U	0.00077 U	0.00089 U	0.00078 U	0.00090 U	0.00074 U	0.0012 U	0.0010 U
trans-1,3-Dichloropropene	NA	0.00095 U	0.0010 U	0.00088 U	0.00087 U	0.00082 U	0.00080 U	0.00089 U	0.00082 U	0.0013 U	0.00077 U	0.00089 U	0.00078 U	0.00090 U	0.00074 U	0.0012 U	0.0010 U
Trichloroethene	0.47	0.00095 U	0.0010 U	0.00088 U	0.00087 U	0.00082 U	0.00080 U	0.00089 U	0.00082 U	0.0013 U	0.00077 U	0.00089 U	0.00078 U	0.00090 U	0.00074 U	0.0012 U	0.0010 U
Trichlorofluoromethane	NA	0.00095 U	0.0010 U	0.00088 U	0.00087 U	0.00082 U	0.00080 U	0.00089 U	0.00082 U	0.0013 U	0.00077 U	0.00089 U	0.00078 U	0.00090 U	0.00074 U	0.0012 U	0.0010 U
Vinyl chloride	0.02	0.00095 U	0.0010 U	0.00088 U	0.00087 U	0.00082 U	0.00080 U	0.00089 U	0.00082 U	0.0013 U	0.00077 U	0.00089 U	0.00078 U	0.00090 U	0.00074 U	0.0012 U	0.0010 U
Xylenes, Total	0.26	0.00095 U	0.0010 U	0.00088 U	0.00087 U	0.00082 U	0.00080 U	0.00089 U	0.00082 U	0.0013 U	0.00077 U	0.00089 U	0.00078 U	0.00090 U	0.00074 U	0.0012 U	0.0010 U
Naphthalene	12	0.0028 U	0.0031 U	0.0026 U	0.0026 U	0.0025 U	0.0024 U	0.0027									

Notes

J : Indicates an estimated value.

J B : The analyte was found in an associated blank, as well as in the sample.

J N : Indicates an estimated value.

U : Analyzed for but not detected.

U R : Value is rejected based upon DUSR by third party data validator.

Total xylenes SCO utilized for all isomers

Highlighted / bolded indicates analyte exceeded above its respective NYSDEC Unrestricted SCO.

NA - Not Available

Table 4-52
Soil TCL SVOC Analytical Data
Former Building No. 9 (Annex) Area

TCL SVOCs (mg/kg)	NYSDEC Unrestricted SCO	Soil Samples Former Building No. 9 (Annex) Area															
		B9-1	B9-2	B9-3	B9-4		B9-5	B9-6	B9-7		B9-8	B9-9		B9-10			
		(0.5-1.0')	(0.5-1.0')	(0.5-1.0')	(0.5-1.0')	(4.5-5.0')	(7.5-8.0')	(0.5-1.0')	(0.5-1.0')	(0.5-1.0')	(4.0-4.5')	(7.0-7.5')	(0.5-1.0')	(0.5-1.0')	(4.0-4.5')	(7.5-8.0')	(0.5-1.0')
1,2,4,5-Tetrachlorobenzene	NA	0.38 U R	0.37 U R	0.37 U R	0.37 U R	0.37 U R	0.38 U R	0.38 U R	0.36 U	0.36 U	0.36 U	0.35 U	0.36 U	0.38 U	0.37 U	0.37 U	0.36 U
1,4-Dioxane	0.1	0.38 U	0.37 U	0.37 U	0.37 U	0.37 U	0.38 U	0.38 U	0.36 U	0.36 U	0.36 U	0.35 U	0.36 U	0.38 U	0.37 U	0.37 U	0.36 U
2,2'-oxybis[1-chloropropane]	NA	0.38 U	0.37 U	0.37 U	0.37 U	0.37 U	0.38 U	0.38 U	0.36 U	0.36 U	0.36 U	0.35 U	0.36 U	0.38 U	0.37 U	0.37 U	0.36 U
2,3,4,6-Tetrachlorophenol	NA	0.38 U	0.37 U	0.37 U	0.37 U	0.37 U	0.38 U	0.38 U	0.36 U	0.36 U	0.36 U	0.35 U	0.36 U	0.38 U	0.37 U	0.37 U	0.36 U
2,4,5-Trichlorophenol	NA	0.38 U	0.37 U	0.37 U	0.37 U	0.37 U	0.38 U	0.38 U	0.36 U	0.36 U	0.36 U	0.35 U	0.36 U	0.38 U	0.37 U	0.37 U	0.36 U
2,4,6-Trichlorophenol	NA	0.38 U	0.37 U	0.37 U	0.37 U	0.37 U	0.38 U	0.38 U	0.36 U	0.36 U	0.36 U	0.35 U	0.36 U	0.38 U	0.37 U	0.37 U	0.36 U
2,4-Dichlorophenol	NA	0.38 U	0.37 U	0.37 U	0.37 U	0.37 U	0.38 U	0.38 U	0.36 U	0.36 U	0.36 U	0.35 U	0.36 U	0.38 U	0.37 U	0.37 U	0.36 U
2,4-Dimethylphenol	NA	0.38 U	0.37 U	0.37 U	0.37 U	0.37 U	0.38 U	0.38 U	0.36 U	0.36 U	0.36 U	0.35 U	0.36 U	0.38 U	0.37 U	0.37 U	0.36 U
2,4-Dinitrophenol	NA	1.2 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
2,4-Dinitrotoluene	NA	0.078 U	0.075 U	0.075 U	0.074 U	0.075 U	0.076 U	0.077 U	0.074 U	0.073 U	0.074 U	0.071 U	0.073 U	0.076 U	0.076 U	0.074 U	0.072 U
2,6-Dinitrotoluene	NA	0.078 U	0.075 U	0.075 U	0.074 U	0.075 U	0.076 U	0.077 U	0.074 U	0.073 U	0.074 U	0.071 U	0.073 U	0.076 U	0.076 U	0.074 U	0.072 U
2-Chloronaphthalene	NA	0.38 U	0.37 U	0.37 U	0.37 U	0.37 U	0.38 U	0.38 U	0.36 U	0.36 U	0.36 U	0.35 U	0.36 U	0.38 U	0.37 U	0.37 U	0.36 U
2-Chlorophenol	NA	0.38 U	0.37 U	0.37 U	0.37 U	0.37 U	0.38 U	0.38 U	0.36 U	0.36 U	0.36 U	0.35 U	0.36 U	0.38 U	0.37 U	0.37 U	0.36 U
2-Methylnaphthalene	NA	0.38 U	0.37 U	0.37 U	0.37 U	0.37 U	0.38 U	0.38 U	0.36 U	0.36 U	0.36 U	0.35 U	0.36 U	0.38 U	0.37 U	0.37 U	0.36 U
2-Methylphenol	0.33	0.38 U	0.37 U	0.37 U	0.37 U	0.37 U	0.38 U	0.38 U	0.36 U	0.36 U	0.36 U	0.35 U	0.36 U	0.38 U	0.37 U	0.37 U	0.36 U
2-Nitroaniline	NA	0.78 U	0.75 U	0.75 U	0.74 U	0.75 U	0.76 U	0.77 U	0.74 U	0.73 U	0.74 U	0.71 U	0.73 U	0.76 U	0.76 U	0.74 U	0.72 U
2-Nitrophenol	NA	0.38 U	0.37 U	0.37 U	0.37 U	0.37 U	0.38 U	0.38 U	0.36 U	0.36 U	0.36 U	0.35 U	0.36 U	0.38 U	0.37 U	0.37 U	0.36 U
3,3'-Dichlorobenzidine	NA	0.78 U	0.75 U	0.75 U	0.74 U	0.75 U	0.76 U	0.77 U	0.74 U	0.73 U	0.74 U	0.71 U	0.73 U	0.76 U	0.76 U	0.74 U	0.72 U
3-Nitroaniline	NA	0.78 U	0.75 U	0.75 U	0.74 U	0.75 U	0.76 U	0.77 U	0.74 U	0.73 U	0.74 U	0.71 U	0.73 U	0.76 U	0.76 U	0.74 U	0.72 U
4,6-Dinitro-2-methylphenol	NA	1.2 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
4-Bromophenyl phenyl ether	NA	0.38 U	0.37 U	0.37 U	0.37 U	0.37 U	0.38 U	0.38 U	0.36 U	0.36 U	0.36 U	0.35 U	0.36 U	0.38 U	0.37 U	0.37 U	0.36 U
4-Chloro-3-methylphenol	NA	0.38 U	0.37 U	0.37 U	0.37 U	0.37 U	0.38 U	0.38 U	0.36 U	0.36 U	0.36 U	0.35 U	0.36 U	0.38 U	0.37 U	0.37 U	0.36 U
4-Chloroaniline	NA	0.38 U	0.37 U	0.37 U	0.37 U	0.37 U	0.38 U	0.38 U	0.36 U	0.36 U	0.36 U	0.35 U	0.36 U	0.38 U	0.37 U	0.37 U	0.36 U
4-Chlorophenyl phenyl ether	NA	0.38 U	0.37 U	0.37 U	0.37 U	0.37 U	0.38 U	0.38 U	0.36 U	0.36 U	0.36 U	0.35 U	0.36 U	0.38 U	0.37 U	0.37 U	0.36 U
4-Methylphenol	0.33	0.38 U	0.37 U	0.37 U	0.37 U	0.37 U	0.38 U	0.38 U	0.36 U	0.36 U	0.36 U	0.35 U	0.36 U	0.38 U	0.37 U	0.37 U	0.36 U
4-Nitroaniline	NA	0.78 U	0.75 U	0.75 U	0.74 U	0.75 U	0.76 U	0.77 U	0.74 U	0.73 U	0.74 U	0.71 U	0.73 U	0.76 U	0.76 U	0.74 U	0.72 U
4-Nitrophenol	NA	1.2 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Acenaphthene	20	0.38 U	0.37 U	0.37 U	0.37 U	0.37 U	0.38 U	0.38 U	0.36 U	0.36 U	0.36 U	0.35 U	0.36 U	0.38 U	0.37 U	0.37 U	0.36 U
Acenaphthylene	100	0.38 U	0.37 U	0.37 U	0.37 U	0.37 U	0.38 U	0.38 U	0.36 U	0.36 U	0.36 U	0.35 U	0.36 U	0.38 U	0.37 U	0.37 U	0.36 U
Acetophenone	NA	0.38 U	0.37 U	0.37 U	0.37 U	0.37 U	0.38 U	0.38 U	0.36 U	0.36 U	0.36 U	0.35 U	0.36 U	0.38 U	0.37 U	0.37 U	0.36 U
Anthracene	100	0.38 U	0.37 U	0.37 U	0.37 U	0.37 U	0.38 U	0.38 U	0.36 U	0.36 U	0.36 U	0.35 U	0.36 U	0.38 U	0.37 U	0.37 U	0.36 U
Atrazine	NA	0.38 U	0.37 U	0.37 U	0.37 U	0.37 U	0.38 U	0.38 U	0.36 U	0.36 U	0.36 U	0.35 U	0.36 U	0.38 U	0.37 U	0.37 U	0.36 U
Benzaldehyde	NA	0.38 U	0.37 U	0.37 U	0.37 U	0.37 U	0.38 U	0.38 U	0.36 U	0.36 U	0.36 U	0.35 U	0.36 U	0.38 U	0.37 U	0.37 U	0.36 U
Benzo[a]anthracene	1	0.038 U	0.037 U	0.025 J	0.037 U	0.037 U	0.038 U	0.053	0.036 U	0.036 U	0.036 U	0.035 U	0.036 U	0.024 J	0.043	0.037 U	0.036 U
Benzo[a]pyrene	1	0.038 U	0.037 U	0.037 U	0.037 U	0.037 U	0.038 U	0.060	0.036 U	0.036 U	0.036 U	0.035 U	0.036 U	0.011 J	0.015 J	0.043	0.036 U
Benzo[b]fluoranthene	1	0.038 U	0.037 U	0.037 U	0.037 U	0.037 U	0.038 U	0.086	0.036 U	0.036 U	0.036 U	0.035 U	0.036 U	0.015 J	0.024 J	0.057	0.036 U
Benzo[g,h,i]perylene	100	0.38 U	0.37 U	0.37 U	0.37 U	0.37 U	0.38 U	0.38 U	0.36 U	0.36 U	0.36 U	0.35 U	0.36 U	0.38 U	0.37 U	0.37 U	0.36 U
Benzo[k]fluoranthene	0.8	0.038 U	0.037 U	0.037 U	0.037 U	0.037 U	0.038 U	0.034 J	0.036 U	0.036 U	0.036 U	0.035 U	0.036 U	0.016 J	0.037 U	0.037 U	0.036 U
Bis(2-chloroethoxy)methane	NA	0.38 U	0.37 U	0.37 U	0.37 U	0.37 U	0.38 U	0.38 U	0.36 U	0.36 U	0.36 U	0.35 U	0.36 U	0.38 U	0.37 U	0.37 U	0.36 U
Bis(2-chloroethyl)ether	NA	0.038 U	0.037 U	0.037 U	0.037 U	0.037 U	0.038 U	0.038 U	0.036 U	0.036 U	0.036 U	0.035 U	0.036 U	0.038 U	0.037 U	0.037 U	0.036 U
Bis(2-ethylhexyl) phthalate	NA	0.38 U	0.37 U	0.37 U	0.37 U	0.37 U	0.38 U	0.54	0.36 U	0.36 U	0.36 U	0.35 U	0.36 U	2.7	3.7	0.37 U	0.36 U
Butyl benzyl phthalate	NA	0.38 U	0.37 U	0.37 U	0.37 U	0.37 U	0.38 U	0.38 U	0.36 U	0.36 U	0.36 U	0.35 U	0.36 U	0.38 U	0.37 U	0.37 U	0.36 U
Caprolactam	NA	0.38 U	0.37 U	0.37 U	0.37 U	0.37 U	0.38 U	0.38 U	0.36 U	0.36 U	0.36 U	0.35 U	0.36 U	0.38 U	0.37 U	0.37 U	0.36 U
Carbazole	NA	0.38 U	0.37 U	0.37 U	0.37 U												

Table 4-53
TAL Metals Soil Analytical Data
Former Building No. 9 (Annex) Area

TAL Metals (mg/kg)	NYSDEC Unrestricted SCO	Soil Samples Former Building No. 9 (Annex) Area															
		B9-1	B9-2	B9-3	B9-4		B9-5	B9-6	B9-7		B9-8	B9-9		B9-10			
		(0.5-1.0')	(0.5-1.0')	(0.5-1.0')	(0.5-1.0')	(4.5-5.0')	(7.5-8.0')	(0.5-1.0')	(0.5-1.0')	(0.5-1.0')	(4.0-4.5')	(7.0-7.5')	(0.5-1.0')	(0.5-1.0')	(4.0-4.5')	(7.5-8.0')	(0.5-1.0')
Aluminum	NA	6,730	8,270	10,400	7,810	7,520	10,400	2,970	6,380	5,880	5,670	5,460	5,210	6,860	8,340	10,100	1,330
Antimony	NA	1.9 U	2.0 U	2.0 U	1.9 U	1.8 U	2.2 U	2.2 U	1.9 U	2.0 U	1.8 U	1.7 U	1.9 U	2.1 U	2.1 U	2.0 U	1.8 U
Arsenic	13	3.3	2.8	7.5	3.7	2.0	4.6	2.9	2.3	2.3	1.5	2.5	2.4	7.2	3.3	2.4	1.7
Barium	350	31.3 J	33.7 J	33.0 J	36.8 J	31.4 J	40.3 J	16.6 J	39.9	23.1 J	32.9 J	22.8 J	26.5 J	72.5	36.4 J	28.6 J	11.2 J
Beryllium	7.2	0.42	0.34 J	0.39 J	0.37 J	0.32 J	0.50	0.45 U	0.27 J	0.26 J	0.37	0.24 J	0.21 J	0.30 J	0.42	0.40 U	0.36 U
Cadmium	2.5	0.97 U	0.99 U	0.23 J	0.94 U	0.92 U	0.20 J	1.1 U	0.97 U	1.0 U	0.90 U	0.87 U	0.96 U	0.93 J	1.0 U	1.0 U	0.90 U
Calcium	NA	422 J	652 J	423 J	1,390	514 J	335 J	1,350	1,690	175 J	798 J	204 J	2,120	1,630	501 J	566 J	2,990
Chromium ¹	30	7.7	12.3	15.6	11.0	10.8	23.1	5.0	12.9	9.8	7.0	10.4	7.7	11.8	11.7	13.6	3.0
Cobalt	NA	2.3 J	4.2 J	9.4 J	3.4 J	2.8 J	9.1 J	1.8 J	4.5 J	2.8 J	2.0 J	3.8 J	3.2 J	3.6 J	3.2 J	2.6 J	9.0 U
Copper	50	7.2	5.4	8.7	6.1	3.6 J	16.8	7.6	7.3	3.1 J	2.6 J	4.3 J	4.3 J	11.8	6.1	7.4	3.5 J
Iron	NA	7,420	11,400	31,000	10,800	10,700	22,900	7,570	10,500	8,070	6,960	11,700	6,880	12,800	10,200	9,960	5,110
Lead	63	72.1	8.0	6.6	21.6	5.2	10.7	919	5.0	5.1	4.0	3.7	9.9	102	19.8	6.1	4.1
Magnesium	NA	910 J	1,530	2,020	1,220	1,270	3,160	612 J	1,890	1,120	889 J	1,290	1,020	1,160	1,240	1,870	306 J
Manganese	1,600	137	174	568	196	86.8	482	91.0	201	104	106	118	150	131	131	63.2	35.2
Nickel	30	6.5 J	8.8	10.9	7.8	9.1	16.8	4.8 J	9.2	6.4 J	5.8 J	6.8 J	6.0 J	9.0	8.9	11.0	1.9 J
Potassium	NA	209 J	394 J	534 J	346 J	234 J	1770	305 J	916 J	308 J	127 J	281 J	377 J	387 J	282 J	480 J	174 J
Selenium	3.9	1.9 U	2.0 U	2.0 U	1.9 U	1.8 U	2.2 U	2.2 U	1.9 U	2.0 U	1.8 U	1.7 U	1.9 U	2.1 U	2.1 U	2.0 U	1.8 U
Silver	2	1.9 U	2.0 U	2.0 U	1.9 U	1.8 U	2.2 U	2.2 U	1.9 U	2.0 U	1.9	1.7 U	1.9 U	2.1 U	2.1 U	3.3	1.8 U
Sodium	NA	973 U	994 U	988 U	941 U	924 U	1,100 U	1,120 U	967 U	1,000 U	905 U	874 U	965 U	1,060 U	1,040 U	1,000 U	895 U
Thallium	NA	1.9 U	2.0 U	2.0 U	1.9 U	1.8 U	2.2 U	2.2 U	1.9 U	2.0 U	1.8 U	1.7 U	1.9 U	2.1 U	2.1 U	2.0 U	1.8 U
Vanadium	NA	9.9	15.7	22.4	14.0	13.6	27.2	6.7 J	15.3	10.7	8.1 J	12.5	10.3	15.3	13.6	16.0	3.7 J
Zinc	109	21.5	20.8	22.5	22.6	23.5	48.2	21.8	19.8	14.9	15.2	14.6	16.9	106	24.7	30.9	7.0
Mercury	0.18	0.021	0.036	0.026	0.043	0.016 J	0.019 U	0.019 U	0.019 U	0.016 J	0.018 U	0.017 U	0.032	0.050	0.056	0.019 U	0.018 U

Notes
J : Sample result is greater than the MDL but below the CRDL
U : Indicates analyzed for but not detected.
¹ Trivalent chromium SCOs utilized.
Highlighted / bolded indicates analyte exceeded above its respective NYSDEC Unrestricted SCO.
NA - Not Available



Table 4-54
TAL Metals Soil Analytical Data
Former North Lot Area Water Tank

TAL Metals (mg/kg)	NYSDEC Unrestricted SCO	Soil Samples Former North Lot Area Water Tank														
		WT-1			WT-2			WT-3			WT-4			WT-5		
		(0.5-1.0')	(2.0-3.0')	(4.0-5.0')	(0.5-1.0')	(2.0-3.0')	(4.0-5.0')	(0.5-1.0')	(2.0-3.0')	(4.0-5.0')	(0.5-1.0')	(2.0-3.0')	(4.0-5.0')	(0.5-1.0')	(2.0-3.0')	(4.0-5.0')
Aluminum	NA	5,200	8,290	8,960	5,120	11,600	11,000	9,860	9,570	4,050	5,460	8,220	9,890	4,070	5,670	2,410
Antimony	NA	1.7 U	1.9 U	1.9 U	1.8 U	1.9 U	1.8 U	1.7 U	1.8 U	1.5 U	1.5 U	1.7 U	1.9 U	5.8	1.8 U	1.5 U
Arsenic	13	5.0	15.1	11.0	7.2	5.2	4.6	4.5	3.3	1.6	5.4	6.0	5.1	17.6	4.0	1.4
Barium	350	49.5	118	70.6	31.3 J	41.2	42.9	48.4	41.1	26.2 J	80.0	85.9	33.2 J	77.2 J	158	11.9 J
Beryllium	7.2	0.27 J	0.24 J	0.45	0.26 J	0.34 J	0.31 J	0.43	0.45	0.31	0.24 J	0.34 J	0.38	1.0 U	0.49	0.16 J
Cadmium	2.5	0.29 J	0.15 J	0.62 J	2.0	0.14 J	0.20 J	0.22 J	0.88 U	0.76 U	0.35 J	0.20 J	0.95 U	1.3 J	0.16 J	0.77 U
Calcium	NA	1,480	1,330	1,890	37,100	733 J	917 J	1,020	507 J	232 J	2,710	2,080	813 J	964 J	585 J	288 J
Chromium ¹	30	13.6	15.9	23.3	18.7	17.8	21.1	21.9	18.2	8.4	33.5	19.5	17.3	204	17.7	5.1
Cobalt	NA	4.3 J	3.2 J	7.6 J	7.1 J	7.0 J	8.3 J	7.9 J	7.9 J	5.9 J	5.1 J	5.7 J	6.7 J	18.3 J	3.8 J	1.4 J
Copper	50	17.1	29.2	22.3	22.6	11.2	10.7	17.1	13.1	5.8	29.6	54.2	29.6	249	10.9	22.8
Iron	NA	10,500	11,400	60,000	11,500	22,800	18,000	16,700	15,500	8,150	16,900	14,100	17,100	136,000	16,200	5,310
Lead	63	50.0	123	51.4	133	9.8	11.1	52.8	13.4	3.9	130	43.1	8.9	4,210	39.6	3.1
Magnesium	NA	1,640	1,660	2,010	22,900	3,020	2,740	2,750	2,520	986	1,790	1,850	2,000	1,190 J	1,320	334 J
Manganese	1,600	192	85.4	463	189	349	321	303	288	247	265	183	164	772	200	71.4
Nickel	30	12.0	9.1	10.7	24.3	11.5	11.6	14.0	12.6	6.4	17.8	10.9	9.4	119	11.3	2.8 J
Potassium	NA	490 J	478 J	597 J	451 J	1,200	1,030	1180	1180	537 J	589 J	789 J	559 J	284 J	570 J	174 J
Selenium	3.9	1.7 U	1.9 U	1.9 U	1.8 U	1.9 U	1.8 U	1.7 U	1.8 U	1.5 U	1.5 U	1.7 U	1.9 U	5.1 U	1.8 U	1.5 U
Silver	2	0.31 J	1.9 U	1.9 U	1.8 U	1.9 U	1.8 U	1.7 U	1.8 U	1.5 U	0.70 J	1.7 U	1.9 U	5.1 U	1.8 U	1.5 U
Sodium	NA	846 U	941 U	938 U	893 U	931 U	923 U	857 U	877 U	757 U	767 U	187 J	951 U	2,560 U	924 U	765 U
Thallium	NA	1.7 U	1.9 U	4.7 U	1.8 U	1.9 U	1.8 U	1.7 U	1.8 U	1.5 U	1.5 U	1.7 U	1.9 U	10.2 U	1.8 U	1.5 U
Vanadium	NA	17.6	16.4	23.5	29.9	30.0	27.1	27.7	25.1	10.8	20.8	19.5	22.9	32.4	15.8	4.8 J
Zinc	109	51.5	39.6	57.0	1,010	51.2	86.7	53.2	34.2	14.4	894	46.9	35.0	327	62.0	18.7
Mercury	0.18	0.021	0.21	0.032	0.069	0.019 U	0.020 U	0.037	0.020 U	0.017 U	0.034	0.080	0.039	0.088	0.014 J	0.025

Notes
J : Sample result is greater than the MDL but below the CRDL
U : Indicates analyzed for but not detected.
¹ Trivalent chromium SCOs utilized.
Highlighted / bolded indicates analyte exceeded above its respective NYSDEC Unrestricted SCO.
NA - Not Available



Table 4-54
TAL Metals Soil Analytical Data
Former North Lot Area Water Tank

TAL Metals (mg/kg)	NYSDEC Unrestricted SCO	Soil Samples Former North Lot Area Water Tank														
		WT-6			WT-7			WT-8			WT-9			WT-10		
		(0.5-1.0')	(2.0-3.0')	(4.0-5.0')	(0.5-1.0')	(2.0-3.0')	(4.0-5.0')	(0.5-1.0')	(2.0-3.0')	(4.0-5.0')	(0.5-1.0')	(2.0-3.0')	(4.0-5.0')	(0.5-1.0')	(2.0-3.0')	(4.0-5.0')
Aluminum	NA	4,850	6,470	8,920	23,400	1,170	5,360	5,900	9,460	2,620	9,370	5,850	8,990	8,840	10,000	17,000
Antimony	NA	2.1 U	1.8 U	2.0 U	2.1	1.9 U	1.9 U	1.7 U	2.4 U	2.0 U	1.8 U	1.9 U	1.9 U	1.7 U	2.1 U	2.0 U
Arsenic	13	3.8	2.8	2.8	5.2	0.95 U	7.2	30.9	18.1	3.2	6.4	8.6	8.4	7.0	7.0	4.0
Barium	350	55.6	20.7 J	31.7 J	616	6.8 J	47.2	60.7	190	16.1 J	79.6	68.1	29.6 J	59.8	51.9	67.8
Beryllium	7.2	0.26 J	0.26 J	0.55	0.18 J	0.38 U	0.24 J	0.30 J	0.44 J	0.16 J	0.44	0.33 J	0.31 J	0.49	0.43	0.63
Cadmium	2.5	1.0 U	0.89 U	0.99 U	0.33 J	0.95 U	0.93 U	0.16 J	1.2 U	1.0 U	0.31 J	0.15 J	0.14 J	0.32 J	1.0 U	0.19 J
Calcium	NA	1,050	197 J	254 J	8,380	78 J	531 J	5,120	1,320	240 J	1,380	855 J	258 J	3,140	848 J	956 J
Chromium ¹	30	11.8	12.1	15.8	135	4.6	10.8	15.6	27.6	5.7	19.5	14.7	13.7	18.0	17.7	35.2
Cobalt	NA	4.0 J	8.7 J	10.9	20.5	0.96 J	4.7 J	4.8 J	6.3 J	1.2 J	7.2 J	5.0 J	5.0 J	6.2 J	5.6 J	8.6 J
Copper	50	8.6	6.7	10.9	38.4	2.3 J	8.7	16.9	20.0	3.3 J	16.2	12.0	8.5	14.2	13.0	20.3
Iron	NA	10,500	11,600	14,800	35,500	4,380	9,490	13,400	15,200	4,530	16,400	9,770	13,900	15,100	14,200	28,100
Lead	63	23.7	4.2	6.0	5.2	1.7	42.2	72.4	91.2	4.0	72.3	67.7	17.6	57.0	25.0	10.9
Magnesium	NA	1,540	1,710	2,380	19,800	244 J	1,220	3,760	2,320	466 J	2,420	1,460	1,380	2,990	2,280	4,710
Manganese	1,600	201	399	313	578	46.0	228	250	346	30.7	456	205	195	338	205	253
Nickel	30	6.9 J	7.6	12.7	56.2	1.7 J	7.1 J	11.8	14.2	2.8 J	13.1	8.8	7.9	11.7	10.6	19.2
Potassium	NA	622 J	806 J	1,260	14,900	199 J	448 J	514 J	937 J	202 J	938	553 J	418 J	550 J	880 J	2,250
Selenium	3.9	2.1 U	1.8 U	2.0 U	1.8 U	1.9 U	1.9 U	1.7 U	2.4 U	2.0 U	1.8 U	1.9 U	1.9 U	1.7 U	2.1 U	2.0 U
Silver	2	2.1 U	1.8 U	2.0 U	1.8 U	1.9 U	1.9 U	1.7 U	2.4 U	2.0 U	1.2 J	0.31 J	1.9 U	0.50 J	2.1 U	2.0 U
Sodium	NA	1,050 U	892 U	994 U	897 U	955 U	933 U	856 U	1,190 U	1,010 U	914 U	949 U	959 U	833 U	1,030 U	1,020 U
Thallium	NA	2.1 U	1.8 U	2.0 U	1.8 U	1.9 U	1.9 U	1.7 U	2.4 U	2.0 U	1.8 U	1.9 U	1.9 U	1.7 U	2.1 U	2.0 U
Vanadium	NA	12.3	15.6	21.5	79.0	4.7 J	14.2	19.9	23.7	6.7 J	26.9	19.5	18.8	27.8	23.1	42.8
Zinc	109	31.0	21.5	29.0	69.5	5.1 J	30.7	82.3	149	11.3	61.4	35.4	29.3	52.0	34.3	55.1
Mercury	0.18	0.015 J	0.023	0.029	0.017 U	0.019 U	0.13	0.066	0.022	0.022	0.084	0.049	0.075	0.082	0.098	0.038

Notes
J : Sample result is greater than the MDL but below the CRDL
U : Indicates analyzed for but not detected.
¹ Trivalent chromium SCOs utilized.
Highlighted / bolded indicates analyte exceeded above its respective NYSDEC Unrestricted SCO.
NA - Not Available



Table 5-1
Konica Minolta, 71 Charles Street, Glen Cove NY
Monitoring Well Construction Details and
Potentiometric Head Information

Well ID	Screened Interval (ft bgs)	Depth to (ft bgs):		TOC Elevation (ft amsl)	Water Level Measurements		
		Top of Filter Pack	Top of Bent. Seal		Date	DTW (ft bgs)	Elevation (ft amsl)
MWR-10	(8.0 - 23.0)	6.0	4.0	32.70	10/03/14	1.30	31.40
MWR-11	(10.0 - 25.0)	8.0	6.0	28.26	10/06/14	8.10	20.16
MWR-12	(4.0 - 12.0)	3.0	1.0	32.91	10/07/14	2.51	30.40
MWR-13	(6.0 - 18.0)	4.0	2.0	19.40	10/06/14	7.90	11.50
MWR-14	(17.5 - 32.5)	15.5	13.5	32.36	10/06/14	20.86	11.50
MWR-15	(18.0 - 33.0)	16.0	14.0	31.65	10/07/14	20.10	11.55
MWR-16	(13.0 - 28.0)	11.0	9.0	34.72	10/06/14	18.91	15.81
MWR-17	(7.0 - 22.0)	5.0	3.0	32.05	10/03/14	1.20	30.85
MWNL-01	N/A	N/A	N/A	57.56	10/06/14	25.82	31.74
P2-1*	(2.0 - 17.0)	N/A	N/A	36.03	10/07/14	2.91	33.12

* - Well installation details taken from previous on-site investigation - ERM Phase II Site Investigation Report. June
N/A - Not Available



Table 5-2
TCL VOCs Groundwater Analytical Data

TCL VOCs (ug/l)	NY-TOGs Class GA Standards	Extant Monitoring Wells			
		Groundwater Samples - SDG No. 28 / No. 460-59618-1			
		P2-5	P2-1	P2-7	MW-9S
1,1,1-Trichloroethane	5	1.0 U	1.0 U	1.0 U	0.36 J
1,1,2,2-Tetrachloroethane	5	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2-Trichloroethane	1	0.39 J	1.0 U	1.0 U	1.0 U
1,1-Dichloroethane	5	0.42 J	1.0 U	1.0 U	1.0 U
1,1-Dichloroethene	5	1.1	1.0 U	1.0 U	1.0 U
1,2,3-Trichlorobenzene	5	1.0 U	1.0 U	1.0 U	1.0 U
1,2,4-Trichlorobenzene	5	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dibromo-3-Chloropropane	0.04	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dibromoethane (EDB)	0.0006	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichlorobenzene	3	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloroethane	0.6	0.38 J	1.0 U	1.0 U	1.0 U
1,2-Dichloropropane	1	1.0 U	1.0 U	1.0 U	1.0 U
1,3-Dichlorobenzene	3	1.0 U	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	3	1.0 U	1.0 U	1.0 U	1.0 U
1,4-Dioxane	NA	50 U	50 U	50 U	50 U
2-Butanone (MEK)	50**	5.0 U	5.0 U	5.0 U	5.0 U
2-Hexanone	50**	5.0 U	5.0 U	5.0 U	5.0 U
4-Methyl-2-pentanone	NA	5.0 U	5.0 U	5.0 U	5.0 U
Acetone	50**	5.0 U	5.0 U	5.0 U	5.0 U
Benzene	1	0.23 J	0.11 J	1.0 U	1.0 U
Bromochloromethane	5	1.0 U	1.0 U	1.0 U	1.0 U
Bromodichloromethane	50**	1.0 U	1.0 U	1.0 U	1.0 U
Bromoform	50**	1.0 U	1.0 U	1.0 U	1.0 U
Bromomethane	5	1.0 U	1.0 U	1.0 U	1.0 U
Carbon disulfide	60**	1.0 U	1.0 U	1.0 U	1.0 U
Carbon tetrachloride	5	1.0 U	1.0 U	1.0 U	1.0 U
Chlorobenzene	5	1.0 U	1.0 U	1.0 U	1.0 U
Chloroethane	5	1.0 U	1.0 U	1.0 U	1.0 U
Chloroform	7	1.0 U	1.0 U	1.0 U	1.0 U
Chloromethane	NA	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,2-Dichloroethene	5	10	1.0 U	1.0 U	0.41 J
cis-1,3-Dichloropropene	NA	1.0 U	1.0 U	1.0 U	1.0 U
Cyclohexane	NA	1.0 U	1.0 U	1.0 U	1.0 U
Dibromochloromethane	50**	1.0 U	1.0 U	1.0 U	1.0 U
Dichlorodifluoromethane	5	1.0 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	5	1.0 U	1.0 U	1.0 U	1.0 U
Freon 113	5	1.0 U	1.0 U	1.0 U	1.0 U
Isopropylbenzene	5	1.0 U	1.0 U	1.0 U	1.0 U
m&p-Xylene	5	2.0 U	2.0 U	2.0 U	2.0 U
Methyl acetate	NA	2.0 U	2.0 U	2.0 U	2.0 U
Methylcyclohexane	NA	1.0 U	1.0 U	1.0 U	1.0 U
Methylene Chloride	5	1.0 U	1.0 U	1.0 U	1.0 U
MTBE	10	0.94 J	0.66 J	1.0 U	1.0 U
Naphthalene	10**	1.0 U	1.0 U	1.0 U	1.0 U
o-Xylene	5	1.0 U	1.0 U	1.0 U	1.0 U
Styrene	5	1.0 U	1.0 U	1.0 U	1.0 U
Tetrachloroethene	5	1.7	1.5	2.1	3.7
Toluene	5	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,2-Dichloroethene	5	1.5	0.32 J	0.30 J	1.0 U
trans-1,3-Dichloropropene	NA	1.0 U	1.0 U	1.0 U	1.0 U
Trichloroethene	5	17	0.28 J	0.11 J	2.6
Trichlorofluoromethane	5	1.0 U	0.27 J	1.0 U	1.3
Vinyl chloride	2	1.6	1.0 U	1.0 U	1.0 U
Xylenes, Total	5	3.0 U	3.0 U	3.0 U	3.0 U

Notes

- J : Indicates an estimated value.
- U : Analyzed for but not detected.
- ** - Represents a Class GA Guidance Value.
- NA - Not Analyzed / Not Applicable.
- Bolded value indicates thjat analyte detect as a concentration exceeding its Class GA Standard or Guidance Value.



Table 5-3
TAL Metals and Formaldehyde Groundwater Analytical Data

TAL Metals (ug/l)	NY-TOGs Class GA Standards	Water Samples									
		Groundwater Samples - SDG No. 28 / No. 460-59618-1									
		P2-5		P2-1		P2-7		P3-7		MW-9S	
		(Total)	(Dissolved)	(Total)	(Dissolved)	(Total)	(Dissolved)	(Total)	(Dissolved)	(Total)	(Dissolved)
Aluminum	NA	628 B	200 U	639 B	200 U	683	200 U	527	200 U	1,400	200 U
Arsenic	25	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	4.1 J	5.0 U	5.3
Barium	1,000	130 J	111 J	163 J	161 J	138 J	133 J	137 J	132 J	51.1 J	40.2 J
Beryllium	3**	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Cadmium	5	5.0 U	5.0 U	2.6 J	2.3 J	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Calcium	NA	49,600 B	47,600	149,000 B	153,000	167,000	174,000	170,000	171,000	65,600	64,300
Chromium	50	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	5.9 J	10.0 U
Cobalt	NA	50.0 U	50.0 U	50.0 U	50.0 U	50.0 U	50.0 U	50.0 U	50.0 U	50.0 U	50.0 U
Copper	200	25.0 U	25.0 U	7.9 J	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U	8.2 J	25.0 U
Iron	300	10,300	844	1,720	150 U	1,950	150 U	1,380	150 U	2,010	150 U
Magnesium	35,000**	12,400	11,900	27,200	27,500	30,200	32,100	31,000	31,800	5,190	4,930 J
Manganese	300	681	657	774	662	266	7.8 J	212	6.6 J	245	15.0 U
Nickel	100	5.3 J	5.2 J	9.0 J	7.2 J	5.9 J	5.1 J	6.2 J	5.3 J	7.2 J	40.0 U
Potassium	NA	3,530 J	3,540 J	29,400	30,300	20,800	22,300	21,600	22,200	9,410	9,240
Lead	25	5.0 U	5.0 U	7.6	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	9.2	5.0 U
Antimony	3	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Silver	50	10.0 U	10.0 U	6.0 J	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Selenium	10	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	7.1 J	10.0 U	10.0 U
Sodium	20,000	31,800	30,700	93,000	95,400	67,300	70,800	68,700	69,900	35,100	34,900
Thallium	0.5**	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Vanadium	NA	50.0 U	50.0 U	4.5 J	50.0 U	50.0 U	50.0 U	50.0 U	50.0 U	4.4 J	50.0 U
Zinc	2,000**	6.0 J	8.5 J	111	84.9	7.3 J	8.1 J	7.3 J	8.3 J	34.9	13.0 J
Mercury	0.7	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
HPLC/IC By 8315A (mg/l)											
Formaldehyde	0.008**	NA	NA	0.014 U J B	NA	0.013 U J B	NA	NA	NA	0.014 U J B	NA
Field-measured Parameters											
Turbidity (NTUs)	NA	0.1	NA	0.3	NA	0.4	NA	NA	NA	0.2	NA

Notes
B : Compound was found in the blank and sample.
J : Sample result is greater than the MDL but below the CRDL
U : Indicates analyzed for but not detected.
J B : The analyte was found in an associated blank, as well as in the sample.
** - Represents a Class GA Guidance Value.
NA - Not Analyzed / Not Applicable.
Bolded value indicates thjat analyte detect as a concentration exceeding its Class GA Standard or Guidance Value.



Table 5-4
TCL VOCs Groundwater Analytical Data

TCL VOCs (ug/l)	NY-TOGs Class GA Standards	Groundwater Samples - SDG No. 93 / No. 460-82316-2									
		Extant Wells		Newly Installed Wells							
		P2-1	MWNL-01	MWR-10	MWR-11	MWR-12	MWR-13	MWR-14	MWR-15	MWR-16	MWR-17
1,1,1-Trichloroethane	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2-Trichloroethane	1	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	12	1.0 U	1.0 U	1.0 U
1,1-Dichloroethane	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.99 J	1.0 U
1,1-Dichloroethene	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.26 J	1.0 U	1.0 U	1.0 U
1,2,3-Trichlorobenzene	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2,4-Trichlorobenzene	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dibromo-3-Chloropropane	0.04	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dibromoethane (EDB)	0.0006	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichlorobenzene	3	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloroethane	0.6	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloropropane	1	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,3-Dichlorobenzene	3	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	3	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,4-Dioxane	NA	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
2-Butanone (MEK)	50**	5.0 U	4.6 J	5.0 U	7.9	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2-Hexanone	50**	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
4-Methyl-2-pentanone	NA	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Acetone	50**	5.0 U	10	5.0 U	28	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Benzene	1	1.0 U	0.15 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.098 J	0.11 J
Bromochloromethane	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromodichloromethane	50**	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromoform	50**	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromomethane	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Carbon disulfide	60**	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Carbon tetrachloride	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chlorobenzene	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroethane	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroform	7	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloromethane	NA	1.0 U	0.58 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,2-Dichloroethene	5	1.0 U	1.0 U	2.0	1.0 U	0.43 J	0.40 J	1.0 U	1.0 U	1.0 U	0.19 J
cis-1,3-Dichloropropene	NA	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Cyclohexane	NA	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dibromochloromethane	50**	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dichlorodifluoromethane	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Freon 113	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Isopropylbenzene	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
m&p-Xylene	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Methyl acetate	NA	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Methylcyclohexane	NA	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Methylene Chloride	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
MTBE	10	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Naphthalene	10**	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
o-Xylene	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Styrene	5	1.0 U	0.24 J	1.0 U	0.23 J	1.0 U	1.0 U	1.0 U	0.21 J	1.0 U	1.0 U
Tetrachloroethene	5	3.7	1.0 U	3.8	1.0 U	0.17 J	1.8	0.98 J	1.0 U	1.0 U	2.4
Toluene	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,2-Dichloroethene	5	1.0 U	0.42 J	0.32 J	1.0 U	0.16 J	1.0 U	1.0 U	0.26 J	1.0 U	1.0 U
trans-1,3-Dichloropropene	NA	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichloroethene	5	0.26 J	1.0 U	1.3	1.0 U	0.22 J	0.46 J	0.42 J	1.0 U	1.0 U	1.0 U
Trichlorofluoromethane	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Vinyl chloride	2	1.0 U	1.0 U	0.26 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Xylenes, Total	5	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Total VOC TICs (ug/l)											
Ethyl ether	NA	ND	ND	ND	ND	ND	ND	ND	ND	7.6 J N	ND

Notes

J : Indicates an estimated value.

J N : Indicates an estimated value.

U : Analyzed for but not detected.

U * : LCS or LCSD exceeds the control limits.

** - Represents a Class GA Guidance Value.

NA - Not Analyzed / Not Applicable.

Bolded value indicates that analyte detect as a concentration exceeding its Class GA Standard or Guidance Value.



Table 5-5
TCL SVOCs Groundwater Analytical Data

TCL SVOCs (ug/l)	NY-TOGs Class GA Standards	Groundwater Samples - SDG No. 93 / No. 460-82316-2									
		Extant Wells		Newly Installed Wells							
		P2-1	MWNL-01	MWR-10	MWR-11	MWR-12	MWR-13	MWR-14	MWR-15	MWR-16	MWR-17
1,2,4,5-Tetrachlorobenzene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,4-Dioxane	NA	10 U	2.3 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,2'-oxybis[1-chloropropane]	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,3,4,6-Tetrachlorophenol	NA	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4,5-Trichlorophenol	NA	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4,6-Trichlorophenol	NA	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4-Dichlorophenol	1 ¹	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4-Dimethylphenol	1 ¹	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4-Dinitrophenol	1 ¹	30 U	30 U	30 U	30 U	30 U	30 U	30 U	30 U	30 U	30 U
2,4-Dinitrotoluene	5	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
2,6-Dinitrotoluene	5	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
2-Chloronaphthalene	10**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Chlorophenol	NA	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene	NA	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylphenol	NA	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Nitroaniline	5	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U
2-Nitrophenol	NA	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
3,3'-Dichlorobenzidine	5	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U
3-Nitroaniline	5	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U
4,6-Dinitro-2-methylphenol	NA	30 U	30 U	30 U	30 U	30 U	30 U	30 U	30 U	30 U	30 U
4-Bromophenyl phenyl ether	NA	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Chloro-3-methylphenol	NA	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Chloroaniline	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
4-Chlorophenyl phenyl ether	NA	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Methylphenol	NA	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Nitroaniline	5	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U
4-Nitrophenol	NA	30 U	30 U	30 U	30 U	30 U	30 U	30 U	30 U	30 U	30 U
Acenaphthene	20**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acenaphthylene	NA	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acetophenone	NA	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Anthracene	50**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Atrazine	7.5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzaldehyde	NA	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo[a]anthracene	0.002**	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Benzo[a]pyrene	NA	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Benzo[b]fluoranthene	0.002**	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Benzo[g,h,i]perylene	NA	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo[k]fluoranthene	0.002**	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bis(2-chloroethoxy)methane	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bis(2-chloroethyl)ether	1	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bis(2-ethylhexyl) phthalate	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Butyl benzyl phthalate	50**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Caprolactam	NA	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Carbazole	NA	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	0.002**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenz(a,h)anthracene	NA	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dibenzofuran	NA	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Diethyl phthalate	50**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dimethyl phthalate	50**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Di-n-butyl phthalate	50	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Di-n-octyl phthalate	NA	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Diphenyl	NA	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	50**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene	50**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorobenzene	0.04	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Hexachlorobutadiene	0.5	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Hexachlorocyclopentadiene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachloroethane	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Indeno[1,2,3-cd]pyrene	0.002**	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Isophorone	50**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Naphthalene	10**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Nitrobenzene	0.4	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
N-Nitrosodi-n-propylamine	NA	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
N-Nitrosodiphenylamine	50**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Pentachlorophenol	1 ¹	30 U	30 U	30 U	30 U	30 U	30 U	30 U	30 U	30 U	30 U
Phenanthrene	50**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Phenol	1 ¹	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Pyrene	50**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Pyridine	50**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
SVOC TICs (ug/l)											
Unknown	NA	8.6 J	ND	ND	ND	ND	ND	ND	ND	ND	ND
Unknown	NA	7.2 J	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Mercaptobenzothiazole	NA	ND	ND	ND	ND	ND	9.5 J N	ND	ND	ND	ND
Hexadecanoic acid, butyl ester	NA	ND	8.5 J N	ND	ND	ND	ND	ND	ND	ND	ND
Hexadecanoic acid, butyl ester	NA	ND	ND	ND	ND	ND	120 J N	ND	ND	ND	ND
1-Hexadecene	NA	ND	ND	ND	ND	ND	21 J N	ND	ND	ND	ND
Octadecanoic acid, butyl ester	NA	ND	ND	ND	ND	ND	110 J N	ND	ND	ND	ND
Tetracosane	NA	ND	ND	ND	ND	ND	11 J N	ND	ND	ND	ND
E-15-Heptadecenal	NA	ND	ND	ND	ND	ND	9.2 J N	ND	ND	ND	ND
Unknown	NA	ND	ND	ND	ND	ND	14 J	ND	ND	ND	ND
Heptadecane	NA	ND	ND	ND	ND	ND	9.6 J N	ND	ND	ND	ND
Eicosane	NA	ND	ND	ND	ND	ND	14 J N	ND	ND	ND	ND
Unknown alkane	NA	ND	ND	ND	ND	ND	13 J	ND	ND	ND	ND
Octacosane	NA	ND	ND	ND	ND	ND	8.7 J N	ND	ND	ND	ND
10-Methylnonadecane	NA	ND	ND	ND	ND	ND	6.8 J N	ND	ND	ND	ND
Unknown alkane	NA	ND	ND	ND	ND	ND	6.7 J	ND	ND	ND	ND
Unknown	NA	ND	ND	ND	ND	ND	8.4 J	ND	ND	ND	ND
gamma-Sitosterol	NA	ND	ND	ND	ND	ND	44 J N	ND	ND	ND	ND
Unknown	NA	ND	ND	ND	ND	ND	11 J	ND	ND	ND	ND

Notes
J : Indicates an estimated value.
U : Analyzed for but not detected.
U * : LCS or LCSD exceeds the control limits.
** - Represents a Class GA Guidance Value.
NA - Not Analyzed / Not Applicable.
Bolded value indicates thjat analyte detect as a concentration exceeding its Class GA Standard or Guidance Value.
¹ Per TOGS 1.1.1, GA Standard for Phenolic compounds (total phenols) utilized.

Table 5-6
TAL Metals Groundwater Analytical Data

TAL Metals (ug/l)	NY-TOGs Class GA Standards	Groundwater Samples - SDG No. 93 / No. 460-82316-2											
		Extant Wells				Newly Installed Wells							
		P2-1 ¹		MWNL-01 ¹		MWR-10		MWR-11		MWR-12		MWR-13 ¹	
		(Total)	(Dissolved)	(Total)	(Dissolved)	(Total)	(Dissolved)	(Total)	(Dissolved)	(Total)	(Dissolved)	(Total)	(Dissolved)
Aluminum	NA	200 U	200 U	272	200 U	1,610	275	200 U	200 U	450	90.6 J	1,240	200 U
Antimony	3	20.0 U	20.0 U	20.0 U	20.0 U	20.0 U	20.0 U	20.0 U	20.0 U	20.0 U	20.0 U	20.0 U	20.0 U
Arsenic	25	15.0 U	15.0 U	15.0 U	15.0 U	18.6	15.0 U	15.0 U	15.0 U	15.0 U	15.0 U	15.0 U	15.0 U
Barium	1,000	59.5 J	48.1 J	21.7 J	16.1 J	167 J	155 J	86.1 J	93.9 J	55.4 J	63.8 J	90.6 J	70.9 J
Beryllium	3**	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Cadmium	5	4.0 U	4.0 U	1.9 J	1.8 J	2.3 J	4.0 U	6.1	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U
Calcium	NA	64,800	60,800	213,000	215,000	174,000	169,000	71,000	67,000	65,800	65,400	58,400	56,900
Chromium	50	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	6.0 J	10.0 U
Cobalt	NA	50.0 U	50.0 U	13.3 J	9.2 J	4.3 J	50.0 U	50.0 U	50.0 U	50.0 U	50.0 U	50.0 U	50.0 U
Copper	200	25.0 U	25.0 U	133	38.7	25.0 U	25.0 U	25.0 U	21.7 J	25.0 U	25.0 U	25.0 U	25.0 U
Iron	300	75.3 J	150 U	150 U	177	5,110	150 U	11,700	5,630	1,190	150 U	1,870	150 U
Lead	25	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Magnesium	35,000**	10,900	10,600	149,000	146,000	40,400	40,400	16,000	15,000	6,890	6,840	12,900	12,500
Manganese	300	16.2	16.8	1,890	1,730	2,290	2,130	1,140	977	565	541	445	332
Nickel	100	40.0 U	40.0 U	189	178	8.3 J	40.0 U	40.0 U	40.0 U	40.0 U	40.0 U	40.0 U	40.0 U
Potassium	NA	9,350	9,070	4,420 J	4,360 J	11,800	11,800	6,960	7,530	7,570	7,700	9,040	8,730
Selenium	10	20.0 U	20.0 U	20.0 U	20.0 U	20.0 U	20.0 U	20.0 U	20.0 U	20.0 U	20.0 U	20.0 U	20.0 U
Silver	50	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Sodium	20,000	43,500	42,300	46,000	45,400	68,800	71,300	51,100	47,700	26,300	27,000	29,200	28,600
Thallium	0.5**	20.0 U	20.0 U	20.0 U	20.0 U	20.0 U	20.0 U	20.0 U	20.0 U	20.0 U	20.0 U	20.0 U	20.0 U
Vanadium	NA	50.0 U	50.0 U	50.0 U	50.0 U	4.5 J	50.0 U	50.0 U	50.0 U	50.0 U	50.0 U	50.0 U	50.0 U
Zinc	2,000**	13.2 J	9.0 J	133	221	10.3 J	30.0 U	7.6 J	8.8 J	30.0 U	30.0 U	30.0 U	30.0 U
Mercury	0.7	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Field-measured Parameters													
Turbidity (NTUs)	NA	30.1	NA	39.2	NA	27.0	NA	32.0	NA	20.2	NA	17.5	NA

TAL Metals (ug/l)	NY-TOGs Class GA Standards	Groundwater Samples - SDG No. 93 / No. 460-82316-2							
		Newly Installed Wells							
		MWR-14 ¹		MWR-15		MWR-16 ¹		MWR-17	
		(Total)	(Dissolved)	(Total)	(Dissolved)	(Total)	(Dissolved)	(Total)	(Dissolved)
Aluminum	NA	92.9 J	200 U	200 U	102 J	992	909	200 U	200 U
Antimony	3	20.0 U	20.0 U	20.0 U	20.0 U	20.0 U	20.0 U	20.0 U	20.0 U
Arsenic	25	15.0 U	15.0 U	15.0 U	15.0 U	15.0 U	15.0 U	15.0 U	15.0 U
Barium	1,000	121 J	101 J	34.6 J	42.7 J	197 J	181 J	137 J	122 J
Beryllium	3**	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Cadmium	5	4.0 U	1.3 J	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U
Calcium	NA	57,900	53,100	18,800	18,400	77,000	73,000	61,500	59,300
Chromium	50	10.0 U	10.0 U	10.0 U	10.0 U	5.8 J	10.0 U	10.0 U	10.0 U
Cobalt	NA	50.0 U	50.0 U	50.0 U	50.0 U	5.5 J	5.4 J	50.0 U	50.0 U
Copper	200	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U
Iron	300	103 J	150 U	150 U	150 U	2,090	1,530	150 U	150 U
Lead	25	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Magnesium	35,000**	10,900	9,990	3,830 J	3,800 J	11,000	10,400	23,800	23,300
Manganese	300	995	914	662	633	3,050	2,870	481	357
Nickel	100	8.2 J	40.0 U	40.0 U	9.5 J	18.2 J	16.4 J	66.5	54.7
Potassium	NA	11,100	10,100	3,880 J	3,920 J	38,000	36,400	4,260 J	4,110 J
Selenium	10	20.0 U	20.0 U	20.0 U	20.0 U	20.0 U	20.0 U	20.0 U	20.0 U
Silver	50	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Sodium	20,000	13,200	11,700	78,600	79,600	69,700	65,900	44,100	44,200
Thallium	0.5**	20.0 U	20.0 U	20.0 U	20.0 U	20.0 U	20.0 U	20.0 U	20.0 U
Vanadium	NA	50.0 U	50.0 U	50.0 U	50.0 U	50.0 U	50.0 U	50.0 U	50.0 U
Zinc	2,000**	30.0 U	30.0 U	30.0 U	30.0 U	30.0 U	30.0 U	30.0 U	30.0 U
Mercury	0.7	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Field-measured Parameters									
Turbidity (NTUs)	NA	24.8	NA	35.3	NA	36.3	NA	25.0	NA

Notes

B : Compound was found in the blank and sample.

J : Sample result is greater than the MDL but below the CRDL

U : Indicates analyzed for but not detected.

J B : The analyte was found in an associated blank, as well as in the sample.

** - Represents a Class GA Guidance Value.

NA - Not Analyzed / Not Applicable.

Bolded value indicates that analyte detect as a concentration exceeding its Class GA Standard or Guidance Value.

¹ Due to field handling error, the metals analyses aliquots were mislabeled, the values reported herein have been correct to address.

Yellow / bolded value indicates that analyte was detected at a concentration exceeding its Class GA Standard or Guidance Value.

Green / italicized value indicates analyte exceedence in totals sample aliquot was not observed in dissolved aliquot. The indicated exceedence in totals sample was likely due to sample turbidity.



Table 6-1
Summary of all On-site AOCs Requiring Remediation by the NYSDEC

		Original Soil	As of 9/25/2014		Applicable NYSDEC SCO								
Main Area	AOC	Boring(s) ID	Analytical Data Notes	Critical NYSDEC SCO for AOC	Unrestricted	Residential	Restricted Residential	Commercial or allowed by NYSDEC*	Comments	Backfilled as of 1/14/15?	Final Selected Land Use ¹		
Former Main Building	Former Main Basement Area	MB-2/3/9/10/12/13/14/15/16/17 / CC-2/3/4/5	Arsenic at 15.2 mg/kg Chromium at 64.2 mg/kg Manganese at 6,270 mg/kg Silver at 2.9 mg/kg Zinc at 128 mg/kg	Commercial		✓	✓		Awaiting approval to backfill from NYSDEC.	No	✓		
		MB-22 / Sample Area 4A / Bldg-1-RCRA-4-SB-4 etc	Barium at 368 mg/kg Chromium at 73.2 mg/kg Copper at 55.4 mg/kg Manganese at 1,860 mg/kg Nickel at 60.2 mg/kg Zinc at 143 mg/kg	Restricted Residential		✓	✓		Awaiting approval to backfill from NYSDEC.	No	✓		
		MB-26/27 Two separate figures	< any allowable SCO	< any allowable SCO	✓	✓			Approval to backfill received during field meeting with NYSDEC.	Yes	✓		
		MB-31	Silver at 7.5 mg/kg Mercury at 0.23 mg/kg	Residential		✓			Awaiting approval to backfill from NYSDEC.	No	✓		
	Former Emulsion Room / Former Tank #9	ER-3	< any allowable SCO	< any allowable SCO	✓				Approval to backfill received during field meeting with NYSDEC.	Yes	✓		
		Former Tank 9 / ER-9 / ER-13 (Figure combined with North Alleyway)	Cadmium at 2.6 mg/kg Chromium up to 40.3 mg/kg	Restricted Residential		✓	✓		Approval to backfill received during field meeting with NYSDEC.	Yes	✓		
Former South Lot Area	Former Oil Room	FO-4	Lead at 138 mg/kg	Residential		✓			Approval to backfill received during field meeting with NYSDEC.	Yes	✓		
		FO-7	Zinc at 123 mg/kg	Residential		✓			Approval to backfill received during field meeting with NYSDEC.	Yes	✓		
			Bldg6-SB-2 (Previously investigated by others)	Chromium at 37.0 mg/kg	Restricted Residential			✓		Approval to backfill received during field meeting with NYSDEC.	Yes	✓	
	Former Misc. South Lot Areas and WWTP	SL-1 / UNKUST-2	Cadmium at 2.5 mg/kg Copper at 55.9 mg/kg Silver at 12.9 mg/kg Zinc at 112 mg/kg	Restricted Residential		✓		✓		Awaiting approval to backfill from NYSDEC.	No	✓	
		SL-2	Silver at 25.4 mg/kg	Residential / Prot. of GW SCOs		✓				After meeting with NYSDEC the decision was made that no further excavation will be required in this AOC.	No	✓	
		SL-3/39/40	Cadmium at 3.6 mg/kg Silver at 4.8 mg/kg	Restricted Residential		✓	✓			Awaiting approval to backfill from NYSDEC.	No	✓	
		SL-4/5/6	Chrysene up to 1.1 mg/kg Chromium at 36.2 mg/kg	Restricted Residential			✓			Approval to backfill received during field meeting with NYSDEC.	Yes	✓	
		SL-7/8/9/10 / CM-32	Chromium at 31.8 mg/kg Lead at 94.9 mg/kg Zinc at 242 mg/kg	Residential		✓				Approval to backfill received during field meeting with NYSDEC.	Yes	✓	
		SL-12	< any allowable SCO	< any allowable SCO	✓					Approval to backfill received during field meeting with NYSDEC.	Yes	✓	
		SL-20/21/22 / CM-28/29 / TANKERCONT-SB-2 / BLDG-4-RCRA1-SB-1/5/6	Chromium at 129 mg/kg Nickel at 45.6 mg/kg Mercury at 0.49 mg/kg Zinc at 799 mg/kg	Restricted Residential		✓	✓			Awaiting approval to backfill from NYSDEC.	No	✓	
		SL-23	Arsenic at 14.5 mg/kg Barium at 382 mg/kg Lead at 144 mg/kg Silver at 23.6 mg/kg Zinc at 282 mg/kg Copper at 55.1 mg/kg Mercury at 0.27 mg/kg Cadmium at 12.0 mg/kg	> Commerical (Allowed by NYSDEC)*		✓				After meeting with NYSDEC the decision was made that no further excavation will be required in this AOC.	No	✓	
		SL-33/34 / RD-4/6/7	Silver up to 129 mg/kg Lead at 1,170 mg/kg Arsenic at 19.8 mg/kg Cadmium at 3.8 mg/kg Chromium at 39.4 mg/kg Copper at 1,140 mg/kg Zinc at 516 mg/kg Mercury at 0.84 mg/kg Multiple SVOCS	> Commerical (Allowed by NYSDEC)*		✓	✓	✓		After meeting with NYSDEC the decision was made that no further excavation will be required in this AOC.	No	✓	
		Former Quonset Hut Area	SL-31	< any allowable SCO	< any allowable SCO	✓				Approval to backfill received during field meeting with NYSDEC.	Yes	✓	
		Former R&D Building Area	RD-3	< any allowable SCO	< any allowable SCO	✓				Approval to backfill received during field meeting with NYSDEC.	Yes	✓	
			RD-10/11/12/13/20	Chromium at 38.1 mg/kg Lead at 242 mg/kg Silver at 190 mg/kg Zinc at 433 mg/kg Mercury at 0.35 mg/kg	Commercial		✓		✓		Awaiting approval to backfill from NYSDEC.	No	✓
			RD-17	Silver at 2.9 mg/kg	Residential		✓				Awaiting approval to backfill from NYSDEC.	No	✓
			Bldg2-EarthenPits-SB-1 (Previously Investigated by others)	< any allowable SCO	< any allowable SCO	✓				Approval to backfill received during field meeting with NYSDEC.	Yes	✓	
		Former Chemical Mixing Building Area	CM-7/8 / BLDG-4-SB-1 (Figure combined with CM-34/35)	Acetone at 0.034B mg/kg Lead at 87.6 mg/kg	Residential		✓				Approval to backfill received during field meeting with NYSDEC.	Yes	✓
	CM-21		Acetone at 0.094B mg/kg	Residential		✓				Approval to backfill received during field meeting with NYSDEC.	Yes	✓	
	CM-33		Chromium at 32.2 mg/kg Lead at 381 mg/kg Zinc at 186 mg/kg Mercury at 0.46 mg/kg	Residential		✓				Approval to backfill received during field meeting with NYSDEC.	Yes	✓	
	CM-34/35 / BLDG-4-SB-6 (Figure combined with CM-7/8)		Lead at 519 mg/kg Zinc at 277 mg/kg Mercury at 0.29 mg/kg	Commercial		✓		✓		Approval to backfill received during field meeting with NYSDEC.	Yes	✓	



Table 6-1
Summary of all On-site AOCs Requiring Remediation by the NYSDEC

Main Area	AOC	Original Soil Boring(s) ID	As of 9/25/2014		Applicable NYSDEC SCO				Comments	Backfilled as of 1/14/15?	Final Selected Land Use ¹
			Analytical Data Notes	Critical NYSDEC SCO for AOC	Unrestricted	Residential	Restricted Residential	Commercial or allowed by NYSDEC*			
Columbia Building	Former Building C-1 Area	C1-4	< any allowable SCO	< any allowable SCO	✓				Approval to backfill received during field meeting with NYSDEC.	Yes	✓
		C1a	Arsenic at 23.1 mg/kg Manganese at 3,100 mg/kg Multiple SVOCs	> Commerical (Allowed by NYSDEC)*				✓	After meeting with NYSDEC the decision was made that no further excavation will be required in this AOC.	No	✓
		South Alleyway	Indeno(1,2,3-cd)pyrene at 0.65 mg/kg Barium at 622 mg/kg Chromium up to 95.2 mg/kg Nickel at 35.5 mg/kg Silver up to 54.5 mg/kg	> Commerical (Allowed by NYSDEC)*		✓	✓	✓	Approval to backfill received during field meeting with NYSDEC.	Yes	✓
			Former Wedge Building	Former Wedge Building	Chromium at 69.1 mg/kg Nickel at 33.0 mg/kg Multiple SVOCs	Commercial		✓	✓	Approval to backfill received during field meeting with NYSDEC.	Yes
	Former Buildings C-4, C-5 and C-6	C4-2	< any allowable SCO	< any allowable SCO	✓			✓	Approval to backfill received during field meeting with NYSDEC.	Yes	✓
		North Alleyway Area / C5-4 / C5-3 (Figure combined with Tank 9)	Cadmium up to 38.0 mg/kg Chromium up to 307 mg/kg Lead at 240 mg/kg	> Commerical (Allowed by NYSDEC)*		✓		✓	Groundwater data from the two wells located within the North Lot area did not indicate cadmium or chromium exceedences.	Yes	✓
			Manganese up to 1,990 mg/kg			✓					
			C6-2		< any allowable SCO	< any allowable SCO	✓				
		C6-6 / C6-Silverm-SB-1	Chromium at 33.6 mg/kg	Residential		✓			Approval to backfill received during field meeting with NYSDEC.	Yes	✓
		C6-8	< any allowable SCO	< any allowable SCO	✓				Approval to backfill received during field meeting with NYSDEC.	Yes	✓
	C6-13	Multiple SVOCs Lead at 93.6 mg/kg	> Commerical (Allowed by NYSDEC)*	✓			✓	After meeting with NYSDEC the decision was made that no further excavation will be required in this AOC.	No	✓	
	Miscellaneous Areas	Building No. 9 (Annex)	B9-5	Lead at 1,340 mg/kg Silver at 2,010 mg/kg Zinc at 291 mg/kg	> Commerical (Allowed by NYSDEC)*		✓	✓	NYSDEC will require remediation of this AOC due to high concentrations of Silver in several endpoint samples	No	✓
B9-9			Silver at 6.3 mg/kg	Residential		✓		Awaiting approval to backfill from NYSDEC.	No	✓	
North Lot Area Water Tank		Former North Lot Water Tank	Lead up to 150 mg/kg Zinc up to 228 mg/kg Mercury up to 0.76 mg/kg	Residential		✓		Approval to backfill received during field meeting with NYSDEC.	Yes	✓	
Tank 6 (Remediation required per NYSDEC)		Tank 6	Chromium at 31.5 mg/kg	Residential		✓		Approval to backfill received during field meeting with NYSDEC.	Yes	✓	

Notes:
Green / italicized value indicates analyte exceeded its respective unrestricted SCO but was below its respective Residential / Protection of GW SCO, whichever is lower.
Blue / italicized value indicates analyte exceeded its respective Residential SCOs and / or Protection of Groundwater SCO but was below its Restricted Residential SCO.
Pink / italicized value indicates analyte exceeded its respective Residential SCOs and / or Protection of Groundwater SCO but was below its Commercial SCO.
Upon meetings with the NYSDEC, certain on-site AOCs are allowable to be considered as commercial based on groundwater analytical data and AOC proximity to well locations.
Check mark - Indicates the most restrictive SCO based upon confirmatory end-point soil analytical data
¹ NYSDEC allowable land use with the appropriate Institution Controls (ICs) and Engineering Controls (ECs) being maintained in accordance with a NYSDEC-approved SMP. The NYSDEC is specifically requiring the use and maintenance of a two-foot-thick layer of clean soil / imported fill (versus the typical one-foot-thick layer of clean materials) in locations not covered by building envelopes, parking lots and other impermeable surfaces.



Table 6-2
TAL Metals Soil Analytical Data
MB-3 MB-17 Original Sample Location - Post Excavation Data

TAL Metals (mg/kg)	NYSDEC SCOs					MB-3 & MB-17 Original Sample Location - Post Excavation Data																			
						End-Point Soil Samples																			
						Bottom Samples																			
						MB-EP#32	MB-EP#33	MB-EP#34	MB-EP#35	MB-EP#36	MB-EP#37	MB-EP#38	MB-EP#39	MB-EP#40	MB-EP#41	MB-EP#42	MB-EP#43	MB-EP#44	MB-EP#45	MB-EP#46	MB-EP#47	MB-EP#48	MB-EP#49	MB-EP#50	
Unrestricted	Residential	Restricted Residential	Commercial	Protection of Groundwater	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)					
Aluminum	NA	NA	NA	NA	NA	5,070	6,330	5,350	5,970	2,620	3,820	4,860	884	6,090	1,790	1,290	1,990	6,980	6,680	6,090	4,910	16,800	4,690	4,530	
Antimony	NA	NA	NA	NA	NA	5.0 U	4.4 U	5.0 U	4.8 U	4.5 U	4.2 U	5.0 U	4.5 U	4.3 U	4.6 U	4.8 U	4.2 U	4.3 U	4.4 U	4.3 U	4.5 U	5.2 U	4.9 U	4.6 U	
Arsenic	13	16	16	16	16	1.5 J	4.2	1.8 J	2.3 J	0.93 J	0.75 J	1.6 J	1.2 J	2.3 J	1.6 J	3.6 U	1.1 J	3.4	3.0 J	2.3 J	2.2 J	2.8 J	1.9 J	1.9 J	
Barium	350	350	400	400	820	20.0 J	39.1 J	32.3 J	36.5 J	42.4 J	27.3 J	41.8 J	10.9 J	42.0 J	17.7 J	11.7 J	16.7 J	34.2 J	19.1 J	22.3 J	16.3 J	37.9 J	26.3 J	36.8 J	
Beryllium	7.2	14	72	590	47	0.16 U	0.35 J	0.25 J	0.26 J	0.45 U	0.42 U	0.16 J	0.28 J	0.46 U	0.48 U	0.42 U	0.44 U	0.75 U	0.44 U	0.13	0.45 U	0.51 J	0.75 J	0.75 J	
Cadmium	2.5	2.5	4.3	9.3	7.5	2.0	0.31 J	0.99 U	0.95 U	0.91 U	0.85 U	1.0 U	0.90 U	0.86 U	0.93 U	0.95 U	0.83 U	11.5	0.88 U	0.16 J	0.90 U	3.0	1.80	105	
Calcium	NA	NA	NA	NA	NA	15,100	1,090	1,440	1,310	1,060 J	874 J	1,850	343 J	1,260	627 J	782 J	775 J	3,500	824 J	3,270	707 J	1,920	4,620	10,800	
Chromium ¹	30	36	180	1,500	NS	8.8	15.9	12.9	12.7	8.3	7.8	12.4	3.4	14.5	5.8	4.2	5.0	15.8	13.1	10.9	9.9	29.6	12.3	12.2	
Cobalt	NA	NA	NA	NA	NA	1.6 J	4.1 J	4.2 J	6.0 J	3.6 J	3.1 J	4.8 J	1.7 J	9.6 J	2.9 J	1.9 J	3.0 J	3.3 J	1.9 J	2.2 J	1.8 J	4.1 J	2.7 J	2.2 J	
Copper	50	270	270	270	1,720	7.4	10.2	8.3	7.4	3.7 J	4.1 J	7.5	1.4 J	8.7	2.1 J	1.8 J	2.8 J	13.3	2.5 J	2.7 J	1.8 J	11.5	15.0	8.0	
Iron	NA	NA	NA	NA	NA	4,830	16,200	8,620	7,320	7,230	7,620	7,060	3,240	8,250	4,700	3,860	3,940	11,200	14,100	8,200	6,730	26,100	6,060	6,180	
Lead	63	400	400	1,000	450	7.8	8.9	5.6	5.0	2.6	4.3	6.4	1.4 J	4.4	1.4 J	1.4 J	2.3	44.2	5.9	6.5	4.6	13.6	34.8	38.6	
Magnesium	NA	NA	NA	NA	NA	1,300	1,760	1,980	1,820	1,060 J	1,300	1,860	376 J	2,200	1,010 J	587 J	748 J	1,540	1,270	1,130	1,030 J	3,050	1,140 J	4,150	
Manganese	1,600	2,000	2,000	10,000	2,000	124	91.6	99.0	103	461	79.3	157	93.4	102	145	92.4	101	206	64.1	50.8	40.7	150	147	127	
Nickel	30	140	310	310	130	52.2 J	8.6 J	10.1	11.4	6.2 J	5.8 J	87.7 J	2.0 J	16.2	3.3 J	2.7 J	4.3 J	77.7	4.5 J	4.4 J	3.6 J	8.8 J	6.9 J	5.0 J	
Potassium	NA	NA	NA	NA	NA	351 J	1,050 J	594 J	822 J	560 J	520 J	640 J	146 J	809 J	423 J	226 J	269 J	400 J	420 J	465 J	348 J	1460	391 J	396 J	
Selenium	3.9	36	180	1,500	4	5.0 U	4.4 U	5.0 U	4.8 U	4.5 U	4.2 U	5.0 U	4.5 U	4.3 U	4.6 U	4.8 U	4.2 U	4.3 U	4.4 U	4.3 U	4.5 U	4.2 U	4.6 U	4.6 U	
Silver	2	36	180	1,500	8.3	3.5	5.5	0.31 J	1.2 J	2.3 U	2.1 U	5.1	0.22 U	2.2 U	0.49 J	2.4 U	0.43 J	11.4	0.92 J	3.1	0.89 J	117	1,780	1,430	
Sodium	NA	NA	NA	NA	NA	1,240 U	1,110 U	1,240 U	1,190 U	1,140 U	1,060 U	1,260 U	1,130 U	1,080 U	1,160 U	1,190 U	1,040 U	1,080 U	1,100 U	1,070 U	1,130 U	1,290 U	1,220 U	1,150 U	
Thallium	NA	NA	NA	NA	NA	5.0 U	4.4 U	5.0 U	4.8 U	4.5 U	4.2 U	5.0 U	4.5 U	4.3 U	4.6 U	4.8 U	4.2 U	4.3 U	4.4 U	4.3 U	4.5 U	5.2 U	4.9 U	4.6 U	
Vanadium	NA	NA	NA	NA	NA	8.3 J	22.8	15.0	11.7 J	7.1 J	7.5 J	9.9 J	3.6 J	15.8	6.3 J	3.7 J	6.8 J	20.8	18.7	14.0	13.8	26.2	12.9	12.3	
Zinc	109	2,200	10,000	10,000	2,480	29.6	29.4	27.4	31.9	25.7	17.7	31.3	6.0 J	31.6	12.3	6.9 J	12.3	57.8	13.6	12.8	11.3	41.3	38.0	31.3	
Mercury	0.18	0.81	0.81	2.8	0.73	0.023	0.26	0.019 U	0.014 J	0.018 U	0.071	0.057	0.020 U	0.018 U	0.019 U	0.019 U	0.020 U	0.11	0.019 U	0.019 U	0.019 U	0.025	0.19	0.19	

TAL Metals (mg/kg)	NYSDEC SCOs					MB-3 & MB-17 Original Sample Location - Post Excavation Data														Supplemental Endpoint Samples					
						Supplemental Endpoint Samples																			
						Bottom Samples																			
	Unrestricted	Residential	Restricted Residential	Commercial	Protection of Groundwater	MB-EP#61	MB-EP#62	MB-EP#63	MB-EP#64	MB-EP#65	MB-EP#66	MB-EP#67	MB-EP#68	MB-EP#69	MB-EP#70	MB-EP#71	MB-EP#72	MB-EP#73	MB-EP#74	MB-EP#75	MB-EP#76	MB-EP#77	MB-EP#78		
(4)	(4)	(4)	(4)	(4)	(4)	(4)	(4)	(4)	(4)	(4)	(4)	(4)	(4)	(4)	(4)	(4)	(6)	(6)	(6)	(6)	(6)	(6)			
Aluminum	NA	NA	NA	NA	NA	8,140	6,780	6,200	5,900	2,380	2,540	1,860	2,370	3,080	3,330	2,100	3,230	1,830	9,490	14,200	12,900	1,970	6,850		
Antimony	NA	NA	NA	NA	NA	3.6 U	3.8 U	3.6 U	3.3 U	3.7 U	4.1 U	20.3 U	3.6 U	3.6 U	3.2 U	4.4 U	4.0 U	4.1 U	5.2 U	4.4 U	5.3 U	4.0 U	4.3 U		
Arsenic	13	16	16	16	16	1.1 J	1.6 J	1.7 J	2.0 J	0.78 J	0.73 J	34.2	13.0	1.4 J	1.2 J	1.2 J	1.4 J	2.2 J	4.6	5.3	4.8	2.2 J	17.4		
Barium	350	350	400	400	820	56.8	26.4 J	23.3 J	16.6 J	95.6	267	74.5	25.5 J	18.4 J	16.6 J	23.9 J	10.5 J	57.2	102	93.4	93.4	533	142		
Beryllium	7.2	14	72	590	47	0.15 J	0.19 J	0.30 J	0.27 J	0.16 J	0.18 J	2.0 U	0.39	0.31 J	0.32 U	0.44 U	0.40 U	0.17 J	0.62	0.30 J	0.96	0.15 J	0.50		
Cadmium	2.5	2.5	4.3	9.3	7.5	0.71 U	0.57 J	0.72 U	0.66 U	2.3	0.83 U	4.1 U	0.72 U	0.72 U	0.64 U	0.88 U	0.80 U	0.83 U	1.0 U	0.89 U	1.1 U	0.16 J	0.87 U		
Calcium	NA	NA	NA	NA	NA	711 J	659 J	1,950	215 J	356 J	794 J	594 J	566 J	1,420	472 J	1,890	1,750	247 J	1,480	6,540	6,540	2,190	1,420 J	1,450	
Chromium ¹	30	36	180	1,500	NS	15.5	12.5	13.9	7.6	6.5	9.4	6.1 J	11.6	7.0	5.9	4.3	7.0	3.6	24.9	99.1	34.5	24.9	20.0 U	15.0	
Cobalt	NA	NA	NA	NA	NA	2.7 J	5.5 J	3.2 J	2.2 J	3.7 J	17.5	10.3 J	10.2	2.7 J	2.0 J	1.7 J	2.9 J	2.0 J	8.3 J	12.6	13.0 J	1.5 J	12.4		
Copper	50	270	270	270	1,720	1.7 J	1.9 J	21.0	5.1	5.1	7.0	25.3 U	14.3	7.5	2.9 J	3.3 J	6.9	2.3 J	19.3	25.0	25.3	4.5 J	13.2		
Iron	NA	NA	NA	NA	NA	6,610	10,200	11,300	6,300	5,080	26,000	26,300	22,300	7,500	5,020	4,910	9,090	6,940	20,000	22,900	20,500	4,430	22,600		
Lead	63	400	400	1,000	450	5.8	5.6	9.3	3.3	2.0	3.3	10.1 U	2.6	9.0	7.5	3.1	7.4	2.0 J	10.2	5.9	12.9	20.0 U	6.1		
Magnesium	NA	NA	NA	NA	NA	1,590	1,610	1,680	779 J	471 J	674 J	536 J	776 J	1,140	700 J	1,050 J	1,130	322 J	2,820	12,500	4,690	549 J	2,370		
Manganese	1,600	2,000	2,000	10,000	2,000	85.5	72.1	153	203	12,000	11,500	4,060	1,040	135	124	73.2	178	341	141	1,010	436	22,200	2,180		
Nickel	30	140	310	310	130	6.5 J	6.5 J	7.6	4.9 J	15.9	12.4	9.2 J	15.7	5.7 J	3.5 J	4.0 J	5.6 J	2.5 J	20.4	36.3	31.7	8.3	19.9		
Potassium	NA	NA	NA	NA	NA	752 J	409 J	489 J	426 J	487 J	444 J	332 J	480 J	491 J	233 J	642 J	542 J	190 J	2050	3610 J	3080	581 J	1870		
Selenium	3.9	36	180	1,500	4	3.6 U	3.8 U	3.6 U	3.8 U	3.7 U	4.4 J	3.7 U	3.6 U	3.6 U	3.2 U	4.4 U	4.0 U	4.1 U	5.2 U	4.4 U	5.3 U	40.1 U	43 U		
Silver	2	36	180	1,500	8.3	1.8 U	0.65 J	7.8	3.0	3.8	4.9	2.3	1.8 U	1.2 J	1.6 U	2.2 U	0.73 J	0.88 J	0.92 J	0.92 J	2.6 U	0.16 J	0.16 J		
Sodium	NA	NA	NA	NA	NA	71.4 J	95.4 U	89.4 U	92.5 U	91.7 U	1,030 U	5,070 U	905 U	899 U	797 U	1,090 U	1,000 U	1,040 U	1,310 U	173 J	1,320 U	1,000 U	1,080 U		
Thallium	NA	NA	NA	NA	NA	3.6 U	3.8 U	3.6 U	3.3 U	9.9 J	10.6 J	20.3 U	3.6 U	3.6 U	3.2 U	4.4 U	4.0 U	4.1 U	5.2 U	1.4 J	5.3 U	26.9 J	2.2 J		
Vanadium	NA	NA	NA	NA	NA	12.6	16.1	13.7	9.2	4.3 J	5.2 J	6.2 J	22.6	7.7 J	7.6 J	5.0 J	8.4 J	5.6 J	30.4	47.7	38.4	4.1 J	19.5		
Zinc	109	2,200	10,000	10,000	2,480	23.5	19.3	38.6	11.9	13.0	12.8	20.4 J	38.2	16.5	12.9	9.4	29.2	7.1	49.0	40.0	65.2	9.6	36.7		
Mercury	0.18	0.81	0.81	2.8	0.73	0.018 U	0.020 U	0.039	0.018 U	0.019 U	0.019 U	0.015 J	0.017 U	0.020 U	0.022	0.021	0.023	0.018	0.015 J	0.018 J	0.019 J	0.019 U	0.012 J		

Table 6-3
PTAL Metals Soil Analytical Data
MB-22 and Sample Area 4A Original Sample Location - Post Excavation Data

TAL Metals (mg/kg)	NYSDEC SCOs				MB-22 and Sample Area 4A Original Sample Location - RCRA Excavation															
					End Point Soil Samples															
					Bottom Samples															
	Unrestricted	Residential	Restricted Residential	Protection of Groundwater	MB-EP#1	MB-EP#2	MB-EP#3	MB-EP#4	MB-EP#5	MB-EP#6	MB-EP#7	MB-EP#8	MB-EP#9	MB-EP#10	MB-EP#11	MB-EP#12	MB-EP#13	MB-EP#14	MB-EP#15	MB-EP#16
					(2')	(2')	(2')	(2')	(2')	(2')	(2')	(2')	(2')	(2')	(2')	(2')	(2')	(2')	(2')	(2')
Aluminum	NA	NA	NA	NA	4,390	5,560	2,410	17,000	2,740	1,110	4,490	1,010	4,070	3,390	4,050	3,380	3,730	1,470	1,500	6,260
Antimony	NA	NA	NA	NA	3.3 U	3.7 U	3.8 U	10.9 U	3.9 U	3.4 U	3.8 U	10.5 U	3.2 U	3.6 U	3.4 U	4.0 U	3.4 U	3.3 U	4.0 U	4.1 U
Arsenic	13	16	16	16	0.62 J	0.59 J	2.9 U	2.6 J	2.9 U	1.1 J	2.9 J	3.9 J	2.4 U	2.7 U	0.55 J	3.0 U	2.5 U	0.89 J	8.6	0.99 J
Barium	350	350	400	820	60.3	32.7 J	44.5	155	32.2 J	6.6 J	30.6 J	8.6 J	43.1	40.5	60.2	35.0 J	47.5	48.7	74.1	56.0
Beryllium	7.2	14	72	47	0.33 U	0.37 U	0.38 U	1.9	0.39 U	0.34 U	0.38 U	1.1 U	0.32 U	0.36 U	0.34 U	0.40 U	0.34 U	0.33 U	0.40 U	0.41 U
Cadmium	2.5	2.5	4.3	7.5	0.65 U	0.73 U	0.77 U	1.8 J	0.78 U	0.69 U	0.41 J	1.9 J	0.63 U	0.72 U	0.23 J	0.80 U	0.68 U	0.18 J	0.17 J	0.82 U
Calcium	NA	NA	NA	NA	288 J	384 J	428 J	10,300	595 J	214 J	86,900	508 J	352 J	352 J	625 J	631 J	605 J	1,120	265 J	1,680
Chromium ¹	30	36	180	NS	5.9	9.9	5.0	66.8	6.6	3.3	9.6	5.6	5.5	4.7	11.0	9.0	7.8	21.1	5.0	12.3
Cobalt	NA	NA	NA	NA	1.2 J	2.3 J	1.3 J	27.3 U	1.3 J	8.6 U	3.1 J	5.1 J	1.3 J	1.1 J	2.0 J	1.5 J	1.8 J	5.9 J	25.7	10.1 J
Copper	50	270	270	1,720	4.1 U	4.6 U	4.8 U	14.2	4.9 U	4.3 U	4.7	104	4.0 U	4.5 U	1.2 J	5.0 U	4.2 U	2.3 J	2.6 J	5.1
Iron	NA	NA	NA	NA	2,900	5,270	1,300	5,970	2,580	1,170	6,410	88,000	2,610	2,060	5,290	2,660	2,750	9,420	17,000	8,640
Lead	63	400	400	450	2.7	3.3	1.8 J	9.2	2.2	0.75 J	7.0	65.9	2.0	2.2	3.6	2.4	2.7	4.7	6.9	7.3
Magnesium	NA	NA	NA	NA	662 J	1,350	373 J	1,730 J	978	330 J	50,300	390 J	811	563 J	953	948 J	904	2,680	438 J	2,170
Manganese	1,600	2,000	2,000	2,000	42.4	50.8	21.8	155	32.9	16.5	171	341	35.3	30.8	54.0	34.4	35.6	89.6	923	355
Nickel	30	140	310	130	3.5 J	6.6 J	2.4 J	14.5 J	2.8 J	1.0 J	6.8 J	11.1 J	3.6 J	2.7 J	4.2 J	4.1 J	3.7 J	10.5	12.8	11.5
Potassium	NA	NA	NA	NA	169 J	249 J	178 J	642 J	398 J	149 J	428 J	2,640 U	187 J	154 J	314 J	393 J	252 J	512 J	301 J	976 J
Selenium	3.9	36	180	4	3.3 U	3.7 U	3.8 U	8.5 J	3.9 U	3.4 U	3.8 U	10.5 U	3.2 U	3.6 U	3.4 U	3.0 U	3.4 U	3.3 U	4.0 U	4.1 U
Silver	2	36	180	8.3	1.6 U	1.8 U	1.9 U	5.4 J	1.9 U	1.7 U	4.9	127	1.6 U	0.98 J	5.0	2.0 U	0.78 J	2.7	2.0 U	2.0 J
Sodium	NA	NA	NA	NA	815 U	914 U	957 U	266 J	972 U	862 U	102 J	2,640 U	791 U	895 U	856 U	1,000 U	850 U	64 J	1,000 U	1,030 U
Thallium	NA	NA	NA	NA	3.3 U	3.7 U	3.8 U	10.9 U	3.9 U	3.4 U	3.8 U	10.5 U	3.2 U	3.6 U	3.4 U	4.0 U	3.4 U	3.3 U	1.2 J	4.1 U
Vanadium	NA	NA	NA	NA	3.7 J	6.9 J	2.5 J	12.0 J	4.5 J	1.7 J	8.9 J	26.4 U	3.6 J	3.0 J	4.9 J	4.4 J	4.3 J	14.2	7.2 J	10.6
Zinc	109	2,200	10,000	2,480	11.5	17.6	7.8	16.7	11.8	5.3	21.2	94.7	14.1	10.2	20.1	12.5	15.6	26.1	55.9	32.0
Mercury	0.18	0.81	0.81	0.73	0.016 U	0.019 U	0.018 U	0.078	0.018 U	0.018 U	0.025	0.17	0.016 U	0.016 U	0.015 J	0.021 U	0.019	0.020 U	0.016 U	0.058

TAL Metals (mg/kg)	NYSDEC SCOs				MB-22 and Sample Area 4A Original Sample Location - RCRA Excavation															
					Supplemental Endpoint Samples								Supplemental Endpoint Samples							
					Bottom Samples								Bottom Samples							
	Unrestricted	Residential	Restricted Residential	Protection of Groundwater	MB-EP#51	MB-EP#52	MB-EP#53	MB-EP#54	MB-EP#55	MB-EP#56	MB-EP#57	MB-EP#58	MB-EP#59	MB-EP#60	MB-EP#79	MB-EP#80	MB-EP#81	MB-EP#82	MB-EP#83	MB-EP#84
					(4')	(4')	(4')	(4')	(4')	(4')	(4')	(4')	(4')	(4')	(6')	(6')	(6')	(6')	(6')	(6')
Aluminum	NA	NA	NA	NA	3,020	769	28,000	10,300	1,180	3,360	2,660	2,150	1,990	25,600	2,140	5,090	20,700	8,820	9,010	2,870
Antimony	NA	NA	NA	NA	4.3 U	4.2 U	4.3 U	4.5 U	3.8 U	3.7 U	3.9 U	4.0 U	4.3 U	4.7 U	4.5 U	4.0 U	4.8 U	4.6 U	3.8 U	4.3 U
Arsenic	13	16	16	16	1.1 J	3.2 U	2.9 J	6.3	2.9 U	0.91 J	3.0 U	0.90 J	7.4	4.3	3.4 U	1.9 J	5.3	18.3	5.2	5.4
Barium	350	350	400	820	12.0 J	4.2 J	249	109	7.9 J	16.8 J	20.1 J	10.6 J	19.0 J	231	29.6 J	9.7 J	184	57.7	78.0	72.2
Beryllium	7.2	14	72	47	0.21 J	0.42 U	0.9	0.75	0.38 U	0.11 J	0.39 U	0.22 J	1.7	0.22 J	0.078 J	0.60	1.5	0.47	0.72	0.33 J
Cadmium	2.5	2.5	4.3	7.5	0.85 U	0.85 U	0.95 U	0.90 U	0.77 U	0.27 J	0.79 U	0.80 U	0.86 U	0.94 U	0.80 U	0.81 U	0.96 U	0.91 U	0.77 U	0.86 U
Calcium	NA	NA	NA	NA	412 J	143 J	1,690	1,090 J	136 J	418 J	439 J	1,090	383 J	2,460	921 J	2,840	2,510	1,520	1,130	
Chromium ¹	30	36	180	NS	9.3	2.5	59.9	25.1	2.4	7.6	6.2	13.2	9.8	58.5	9.1	19.6	46.5	18.4	24.5	9.5
Cobalt	NA	NA	NA	NA	1.0 J	10.6 U	18.3	16.9	9.6 U	2.0 J	1.5 J	1.7 J	16.9	18.8	1.2 J	3.6 J	16.4	15.8	11.0	28.5
Copper	50	270	270	1,720	1.2 J	5.3 U	29.9	17.6	4.8 U	2.9 J	21.0	29.9	4.4 J	37.4	5.6 U	11.0	32.9	13.1	16.1	6.1
Iron	NA	NA	NA	NA	3,090	897	44,900	26,500	1,470	4,190	5,190	7,240	85,000	45,100	3,040	15,200	98,100	92,600	26,600	98,700
Lead	63	400	400	450	2.9	2.1 U	17.0	8.2	1.9 U	3.8	2.5	3.1	3.1	14.9	2.1 J	4.2	13.6	9.2	5.8	3.7
Magnesium	NA	NA	NA	NA	561 J	225 J	10,700	3,840	258 J	928	865 J	687 J	344 J	10,300	807 J	1,740	6,610	2,480	3,160	670 J
Manganese	1,600	2,000	2,000	2,000	35.2	11.2	373	772	23.2	55.0	33.0	46.8	205	548	41.0	94.6	435	263	611	959
Nickel	30	140	310	130	3.1 J	0.83 J	47.6	27.8	0.95 J	4.8 J	3.6 J	3.3 J	8.0 J	47.2	3.3 J	7.1 J	35.3	16.3	17.6	12.8
Potassium	NA	NA	NA	NA	283 J	137 J	2,900	124 J	188 J	7.610	229 J	542 J	256 J	7,610	580 J	1,180	6,560 J	1,890	2,450	436 J
Selenium	3.9	36	180	4	4.3 U	4.2 U	1.1 J	4.5 U	3.8 U	3.7 U	3.9 U	4.0 U	4.3 U	4.7 U	4.5 U	4.0 U	1.4 J	4.6 U	3.8 U	1.9 J
Silver	2	36	180	8.3	2.1 U	2.1 U	2.4 U	2.2 U	1.2 J	1.9	2.0 U	2.4 U	2.0 U	2.3 U	0.11 J	2.0 U	2.4 U	0.33 J	0.70 J	1.5 J
Sodium	NA	NA	NA	NA	1,070 U	1,060 U	120 J	1,120 U	957 U	920 U	986 U	998 U	1,070 U	117 J	1,120 U	1,010 U	114 J	110 J	961 U	1,070 U
Thallium	NA	NA	NA	NA	4.3 U	4.2 U	4.8 U	4.5 U	3.8 U	3.7 U	3.9 U	4.0 U	4.3 U	4.7 U	4.5 U	4.0 U	4.8 U	4.6 U	3.8 U	4.3 U
Vanadium	NA	NA	NA	NA	5.7 J	1.6 J	76.9	30.3	1.5 J	6.4 J	4.4 J	5.8 J	8.9 J	69.7	4.4 J	25.6	56.2	22.1	27.9	10.2 J
Zinc	109	2,200	10,000	2,480	8.8	3.7 J	104	58.6	6.4	20.3	9.2	14.3	13.2	106	11.8	22.3	85.5	36.4	87.0	17.9
Mercury	0.18	0.81	0.81	0.73	0.019 U	0.018 U	0.022 U	0.030	0.017 U	0.018 U	0.017 U	0.018 U	0.020 U	0.040	0.018 U	0.018 U	0.020 U	0.018 U	0.019 U	0.018 U

TAL Metals (mg/kg)	NYSDEC SCOs				MB-22 and Sample Area 4A Original Sample Location - RCRA Excavation											
					Supplemental Endpoint Samples											
					Bottom Samples											
	Unrestricted	Residential	Restricted Residential	Protection of Groundwater	MB-EP#87	MB-EP#88	MB-EP#89	MB-EP#90	MB-EP#91	MB-EP#92	MB-EP#93	MB-EP#94	MB-EP#95	MB-EP#96	MB-EP#97	MB-EP#98
				(8')	(8')	(8')	(8')	(8')	(8')	(8')	(8')	(8')	(8')	(8')	(8')	(8')
Aluminum	NA	NA	NA	NA	3,190	8,140	2,110	2,360	7,980	630	2,320	7,930	22,500	32,300	27,300	34,100
Antimony	NA	NA	NA	NA	3.2 U	3.9 U	3.8 U	3.3 U	3.6 U	4.2 U	3.6 U	3.2 U	3.7 U	4.4 U	3.6 U	4.2 U
Arsenic	13	16	16	16	2.4 U	1.6 J	2.9 U	2.5 U	1.8 J	3.2 U	1.4 J	1.5 J	2.5 J	4.6	6.4	4.1
Barium	350	350	400	820	19.3 J	45.5	15.1 J	14.9 J	47.0	4.4 J	21.6 J	47.7	231	319	247	368
Beryllium	7.2	14	72	47	0.32 U	0.51	0.38 U	0.33 U	0.66	0.42 U	0.36 U	0.42	1.1	1.2	1.6	1.8
Cadmium	2.5	2.5	4.3	7.5	0.64 U	0.78 U	0.77 U	0.67 U	0.73 U	0.84 U	0.73 U	0.64 U	0.75 U	0.88 U	0.73 U	0.84 U
Calcium	NA	NA	NA	NA	256 J	1,350	380 J	428 J	1,230	1,050 U	345 J	1,600	2,060	2,770	2,680	3,320
Chromium ⁺	30	36	180	NS	8.8	24.6	8.2	7.6	25.5	2.2	11.7	21.4	53.2	73.2	63.8	70.7
Cobalt	NA	NA	NA	NA	1.8 J	9.0 J	4.3 J	1.6 J	7.2 J	10.5 U	14.3	7.1 J	17.7	18.2	15.0	26.6
Copper	50	270	270	1,720	1.7 J	16.3	4.2 J	1.5 J	18.7	5.3 U	4.7	10.7	38.7	55.4	39.4	53.7
Iron	NA	NA	NA	NA	2,860	12,100	2,740	2,730	18,000	759	30,800	26,900	34,100	63,700	52,600	67,800
Lead	63	400	400	450	2.9	10.6	4.5	2.6	11.2	1.2 J	8.0	11.2	17.4	23.4	20.9	28.1
Magnesium	NA	NA	NA	NA	857	2,560	794 J	610 J	2,250	161 J	611 J	2,660	9,170	13,800	10,600	14,100
Manganese	1,600	2,000	2,000	2,000	28.8	124	31.5	35.7	168	7.4	240	179	370	539	556	1,860
Nickel	30	140	310	130	4.9 J	16.6	5.9 J	3.5 J	16.2	8.4 U	12.1	15.9	43.4	56.5	44.4	60.2
Potassium	NA	NA	NA	NA	525 J	1,790	583 J	421 J	1,820	123 J	469 J	2,050	6,500	10,800	8,120	10,600
Selenium	3.9	36	180	4	3.2 U	3.9 U	3.8 U	3.3 U	3.6 U	4.2 U	3.6 U	3.2 U	3.7 U	4.4 U	3.6 U	20.9 U
Silver	2	36	180	8.3	1.6 U	2.0 U	1.9 U	1.7 U	1.8 U	0.55 J	1.8 U	1.6 U	1.9 U	2.2 U	1.8 U	0.94 J
Sodium	NA	NA	NA	NA	801 U	979 U	962 U	836 U	82 J	1,050 U	912 U	803 U	111 J	173 J	140 J	177 J
Thallium	NA	NA	NA	NA	3.2 U	3.9 U	3.8 U	3.3 U	3.6 U	4.2 U	3.6 U	3.2 U	3.7 U	4.4 U	3.6 U	2.6 J
Vanadium	NA	NA	NA	NA	6.0 J	26.8	6.5 J	4.2 J	34.9	1.4 J	7.4 J	36.7	64.8	86.9	71.3	86.5
Zinc	109	2,200	10,000	2,480	12.8	45.3	14.9	9.7	49.4	3.0 J	16.3	39.2	96.9	143	105	138
Mercury	0.18	0.81	0.81	0.73	0.019 U	0.020 U	0.020 U	0.019 U	0.021 U	0.019 U	0.019 U	0.019 U	0.020 U	0.022 U	0.022 U	0.022 U
Hexavalent Chromium	1	22		19	NA	2.6 U	NA	NA	NA	NA	NA	NA	2.5 U	0.80 J	2.6 U	2.6 U

Table 6-4
TAL Metals Soil Analytical Data
MB-26 Original Sample Location - Post Excavation Data

TAL Metals (mg/kg)	NYSDEC Unrestricted SCO	MB-26 Original Sample Location - RCRA Excavation				
		End Point Soil Samples				
		Side-wall Samples			Bottom Samples	
		MB-EP#19 (4')	MB-EP#20 (4')	MB-EP#21 (4')	MB-EP#17 (8')	MB-EP#18 (8')
Aluminum	NA	1,260	6,420	4,930	816	496
Antimony	NA	4.3 U	4.1 U	3.8 U	3.6 U	4.0 U
Arsenic	13	3.2 U	1.2 J	0.92 J	0.59 J	3.0 U
Barium	350	42.8 U	34.2 J	25.1 J	5.1 J	40.5 U
Beryllium	7.2	0.43 U	0.35 J	0.26 J	0.36 U	0.40 U
Cadmium	2.5	0.86 U	0.81 U	0.77 U	0.71 U	0.81 U
Calcium	NA	124 J	451 J	563 J	888 U	1,010 U
Chromium ¹	30	3.2	9.1	8.6	7.3	2.6
Cobalt	NA	10.7 U	4.0 J	2.4 J	8.9 U	10.1 U
Copper	50	1.7 J	3.0 J	2.2 J	1.5 J	5.1 U
Iron	NA	2,620	7,490	8,120	2,630	1,300
Lead	63	1.4 J	4.1	4.0	1.8 U	2.0 U
Magnesium	NA	190 J	620 J	752 J	155 J	88.8 J
Manganese	1,600	21.1	676	273	36.2	45.2
Nickel	30	2.0 J	7.1 J	5.4 J	1.0 J	8.1 U
Potassium	NA	109 J	309 J	254 J	89.7 J	1010 U
Selenium	3.9	4.3 U	4.1 U	3.8 U	3.6 U	4.0 U
Silver	2	2.1 U	2.0 U	1.9 U	1.8 U	2.0 U
Sodium	NA	1,070 U	1,020 U	961 U	888 U	1,010 U
Thallium	NA	4.3 U	4.1 U	3.8 U	3.6 U	4.0 U
Vanadium	NA	3.5 J	10.3	10.5	2.7 J	1.2 J
Zinc	109	5.1 J	10.3	12.6	3.9 J	2.1 J
Mercury	0.18	0.018 U	0.022	0.013 J	0.020 U	0.018 U

Notes

J : Sample result is greater than the MDL but below the CRDL

U : Indicates analyzed for but not detected.

¹ Trivalent chromium SCOs utilized.

Highlighted / bolded indicates analyte exceeded above its respective NYSDEC Unrestricted SCO.

NA - Not Available



Table 6-5
TAL Metals Soil Analytical Data
MB-27 Original Sample Location - Post Excavation Data

TAL Metals (mg/kg)	NYSDEC Unrestricted SCO	MB-27 Original Sample Location - RCRA Excavation				
		End Point Soil Samples				
		Side-wall Samples		Bottom Samples		
		MB-EP#22	MB-EP#23	MB-EP#24	MB-EP#25	MB-EP#26
		(1')	(1')	(2')	(2')	(2')
Aluminum	NA	1,250	1,410	1,640	2,030	2,040
Antimony	NA	3.6 U	3.8 U	4.0 U	3.6 U	3.7 U
Arsenic	13	4.8	0.57 J	0.67 J	1.4 J	0.85 J
Barium	350	4.0 J	6.4 J	15.4 J	23.1 J	14.8 J
Beryllium	7.2	0.14 J	0.15 J	0.40 U	0.36 U	0.37 U
Cadmium	2.5	0.72 U	0.76 U	0.80 U	0.17 J	0.74 U
Calcium	NA	131 J	114 J	155 J	1,280	230 J
Chromium ¹	30	20.6	3.0	3.4	6.7	3.5
Cobalt	NA	2.0 J	1.3 J	1.6 J	2.2 J	1.7 J
Copper	50	3.4 J	3.1 J	3.5 J	14.2	5.2
Iron	NA	11,100	4,890	3,620	5,230	5,640
Lead	63	4.3	1.3 J	1.7 J	16.8	2.1
Magnesium	NA	238 J	379 J	346 J	815 J	546 J
Manganese	1,600	73.8	211	531	243	378
Nickel	30	2.9 J	1.8 J	5.0 J	3.6 J	4.8 J
Potassium	NA	93.3 J	146 J	141 J	205 J	192 J
Selenium	3.9	3.6 U	3.8 U	4.0 U	3.6 U	3.7 U
Silver	2	1.8 U	1.9 U	2.0 U	0.31 J	1.8 U
Sodium	NA	895 U	955 U	1,000 U	894 U	922 U
Thallium	NA	3.6 U	3.8 U	4.0 U	3.6 U	3.7 U
Vanadium	NA	8.1 J	3.8 J	3.5 J	5.6 J	4.4 J
Zinc	109	8.8	15.1	9.2	66.6	12.4
Mercury	0.18	0.024	0.016	0.023	0.16	0.026

Notes

J : Sample result is greater than the MDL but below the CRDL

U : Indicates analyzed for but not detected.

¹ Trivalent chromium SCOs utilized.

Highlighted / bolded indicates analyte exceeded above its respective NYSDEC Unrestricted SCO.

NA - Not Available



Table 6-6
TAL Metals Soil Analytical Data
MB-31 Original Sample Location - Post Excavation Data

TAL Metals (mg/kg)	NYSDEC SCOs			MB-31 Original Sample Location - RCRA Excavation						
				End Point Soil Samples					Supplemental Endpoint Samples	
				Side-wall Samples			Bottom Sample		Side-wall Samples	
				MB-EP#28	MB-EP#29	MB-EP#30	MB-EP#31	MB-EP#27	MB-EP#85	MB-EP#86
	Unrestricted	Residential	Protection of Groundwater	(1')	(1')	(1')	(1')	(2')	(1')	(1')
Aluminum	NA	NA	NA	6,140	2,840	8,450	4,610	6,080	2,840	5,130
Antimony	NA	NA	NA	3.7 U	3.7 U	3.6 U	4.0 U	4.8 U	3.9 U	4.8 U
Arsenic	13	16	16	1.8 J	2.8 U	1.4 J	2.3 J	1.4 J	0.82 J	1.8 J
Barium	350	350	820	31.8 J	11.5 J	36.4	30.0 J	44.9 J	12.1 J	23.2 J
Beryllium	7.2	14	47	0.36 J	0.11 J	0.28 J	0.29 J	0.43 J	0.12 J	0.24 J
Cadmium	2.5	2.5	7.5	0.74 U	0.74 U	0.71 U	0.51 J	0.97 U	0.77 U	0.12 J
Calcium	NA	NA	NA	510 J	261 J	654 J	1,330	1,080 J	5,080	732 J
Chromium ¹	30	36	NS	10.2	4.7	10.6	10.0	12.9	5.1	10.8
Cobalt	NA	NA	NA	3.5 J	1.2 J	2.8 J	3.6 J	4.4 J	1.4 J	2.7 J
Copper	50	270	1,720	6.3	1.5 J	4.7	5.0	6.9	2.6 J	5.7 J
Iron	NA	NA	NA	9,220	2,700	7,960	8,440	11,300	3,930	8,250
Lead	63	400	450	23.4	3.1	17.2	10.5	9.9	4.3	12.6
Magnesium	NA	NA	NA	1,080	540 J	1,180	994 J	1,770	958 J	1,150 J
Manganese	1,600	2,000	2,000	190	23.0	88.6	92.7	101	71.1	129
Nickel	30	140	130	6.6 J	3.1 J	5.9 J	5.9 J	9.9	3.2 J	5.7 J
Potassium	NA	NA	NA	272 J	210 J	412 J	581 J	1170 J	260 J	395 J
Selenium	3.9	36	4	3.7 U	3.7 U	3.6 U	4.0 U	4.8 U	3.9 U	4.8 U
Silver	2	36	8.3	1.9 U	1.8 U	0.86 J	1.5 J	0.67 J	0.21 J	7.5
Sodium	NA	NA	NA	928 U	923 U	893 U	1,010 U	1,210 U	969 U	124 J
Thallium	NA	NA	NA	3.7 U	3.7 U	3.6 U	4.0 U	4.8 U	3.9 U	4.8 U
Vanadium	NA	NA	NA	12.2	3.9 J	11.1	11.6	14.1	5.6 J	11.9 J
Zinc	109	2,200	2,480	24.8	11.3	77.3	21.3	29.4	9.8	24.4
Mercury	0.18	0.81	0.73	0.15	0.020	0.92	0.066	0.047	0.049	0.23

Notes:

J : Sample result is greater than the MDL but below the CRDL

U : Indicates analyzed for but not detected.

¹ Trivalent chromium SCOs utilized.

Highlighted / bolded indicates analyte exceeded above its respective NYSDEC Unrestricted SCO.

Green / italicized value indicates analyte exceeded its respective unrestricted SCO but was below its respective Residential / Protection of GW SCO, whichever is lower.

NA - Not Available

..... Indicates that sample locations were removed as part of supplemental soil excavation activities.

Table 6-7
TAL Metals Soil Analytical Data
ER-3 Original Sample Location - Post Excavation Data

TAL Metals (mg/kg)	NYSDEC SCOs			Post-excavation End-point Soil Analytical Data											
				ER-3 Original Sample Location					Supplemental Endpoint Samples						
				Side-wall Samples			Bottom Samples		Side-wall Samples		Bottom Samples			Supplemental Endpoint Samples	
	Unrestricted	Residential	Protection of Groundwater	ER-EP#3	ER-EP#4	ER-EP#5	ER-EP#1	ER-EP#2	ER-EP#9	ER-EP#10	ER-EP#6	ER-EP#7	ER-EP#8	ER-EP#11	ER-EP#12
				(1')	(1')	(1')	(9')	(4')	(1')	(1')	(5')	(5')	(5')	(7')	(7')
Aluminum	NA	NA	NA	3,530	2,700	3,230	3,480	2,240	2,510	2,180	1,010	2,220	1,660	967	1,310
Antimony	NA	NA	NA	3.5 U	3.3 U	3.7 U	3.7 U	3.4 U	3.5 U	3.7 U	3.6 U	3.8 U	3.5 U	3.8 U	4.1 U
Arsenic	13	16	16	1.4 J	1.7 J	2.5 J	1.9 J	1.0 J	2.0 J	1.8 J	2.7 U	1.6 J	0.72 J	1.8 J	1.6 J
Barium	350	350	820	14.3 J	19.1 J	22.9 J	19.6 J	15.6 J	15.4 J	14.5 J	6.5 J	15.8 J	19.3 J	8.5 J	4.7 J
Beryllium	7.2	14	47	0.16 J	0.18 J	0.19 J	0.20 J	0.14 J	0.18 J	0.15 J	0.12 J	0.15 J	0.13 J	0.13 J	0.15 J
Cadmium	2.5	2.5	7.5	0.70 U	0.66 U	0.74 U	0.73 U	0.68 U	0.70 U	0.75 U	0.72 U	0.77 U	0.70 U	0.77 U	0.82 U
Calcium	NA	NA	NA	231 J	2,950	9,270	1,870	453 J	463 J	558 J	175 J	1,010	315 J	250 J	190 J
Chromium ¹	30	36	NS	6.8	6.6	7.6	7.6	4.9	6.8	5.3	2.2	5.7	4.9	8.3	5.2
Cobalt	NA	NA	NA	1.9 J	2.2 J	2.4 J	2.9 J	1.7 J	2.2 J	2.0 J	1.1 J	1.9 J	1.5 J	4.2 J	1.4 J
Copper	50	270	1,720	3.5 J	4.9	6.3	6.0	4.0 J	5.0	3.7 J	2.2 J	4.9	3.1 J	6.8	2.6 J
Iron	NA	NA	NA	5,440	5,710	6,800	6,470	4,820	6,140	4,990	3,680	4,990	4,480	10,400	4,880
Lead	63	400	450	4.3	10.0	8.3	14.6	4.3	8.6	5.1	1.1 J	8.7	1.6 J	1.9	1.3 J
Magnesium	NA	NA	NA	747 J	854	989	1,070	646 J	747 J B	720 J B	317 J B	722 J B	677 J B	332 J B	391 J B
Manganese	1,600	2,000	2,000	65.9	125	134	140	102	118	123	60.0	114	85.9	108	58.6
Nickel	30	140	130	3.9 J	4.2 J	4.9 J	4.9 J	3.3 J	4.5 J	3.8 J	1.8 J	3.7 J	3.0 J	7.1 J	2.4 J
Potassium	NA	NA	NA	360 J	538 J	1,030	639 J	455 J	422 J	435 J	212 J	432 J	638 J	273 J	208 J
Selenium	3.9	36	4	3.5 U	3.3 U	3.7 U	3.7 U	3.4 U	3.5 U	3.7 U	3.6 U	3.8 U	3.5 U	3.8 U	4.1 U
Silver	2	36	8.3	1.7 U	4.8	0.70 J	2.4	2.1	1.8 U	2.0	1.8 U	5.2	1.8 U	1.9 U	2.1 U
Sodium	NA	NA	NA	873 U	825 U	153 J	916 U	855 U	879 U	935 U	904 U	960 U	878 U	959 U	1,030 U
Thallium	NA	NA	NA	3.5 U	3.3 U	3.7 U	3.7 U	3.4 U	3.5 U	3.7 U	3.6 U	3.8 U	3.5 U	3.8 U	4.1 U
Vanadium	NA	NA	NA	8.8	8.0 J	9.9	10.0	6.3 J	10.5	6.8 J	3.1 J	8.7 J	7.0 J	3.6 J	4.5 J
Zinc	109	2,200	2,480	10.7	17.6	21.2	16.4	11.4	13.8	10.7	5.0 J	13.7	8.0	14.9	6.8
Mercury	0.18	0.81	0.73	0.018 U	0.018	0.013 J	0.014 J	0.017 J	0.018	0.020	0.017 U	0.032	0.018 U	0.018 U	0.017 U

TAL Metals (mg/kg)	NYSDEC SCOs			Post-excavation End-point Soil Analytical Data					
				ER-3 Original Sample Location					
				Co-located Bottom and Sidewall Samples					
	Unrestricted	Residential	Protection of Groundwater	ER-EP#13 (1')	ER-EP#14 (5')	ER-EP#15 (1')	ER-EP#16 (5')	ER-EP#17 (1')	ER-EP#18 (5')
Aluminum	NA	NA	NA	2,860	1,590	1,330	2,390	2,260	1,910
Antimony	NA	NA	NA	4.1 U	3.6 U	3.9 U	3.5 U	3.1 U	2.9 U
Arsenic	13	16	16	1.0 J	2.7 U	2.9 U	1.3 J	1.0 J	1.1 J
Barium	350	350	820	21.2 J	15.0 J	14.9 J	13.1 J	14.9 J	15.3 J
Beryllium	7.2	14	47	0.41 U	0.36 U	0.39 U	0.35 U	0.31 U	0.29 U
Cadmium	2.5	2.5	7.5	0.81 U	0.72 U	0.77 U	0.69 U	0.63 U	0.58 U
Calcium	NA	NA	NA	363 J	260 J	270 J	384 J	229 J	277 J
Chromium ¹	30	36	NS	6.0	4.7	4.2	5.9	6.5	4.6
Cobalt	NA	NA	NA	2.2 J	1.2 J	1.3 J	1.8 J	1.9 J	1.9 J
Copper	50	270	1,720	3.3 J	2.6 J	3.1 J	3.9 J	4.3	3.4 J
Iron	NA	NA	NA	5,670	4,280	4,400	5,410	5,150	4,600
Lead	63	400	450	5.2	2.3	1.1 J	6.7	5.1	3.2
Magnesium	NA	NA	NA	837 J	565 J	510 J	653 J	730 J	625 J
Manganese	1,600	2,000	2,000	127	74.2	76.8	97.2	93.9	101
Nickel	30	140	130	4.3 J	2.6 J	2.7 J	3.7 J	4.0 J	3.6 J
Potassium	NA	NA	NA	693 J	410 J	449 J	365 J	475 J	434 J
Selenium	3.9	36	4	4.1 U	3.6 U	3.9 U	3.5 U	3.1 U	2.9 U
Silver	2	36	8.3	2.0 U	1.8 U	1.9 U	1.5 J	1.6 U	1.4 U
Sodium	NA	NA	NA	1,010 U	898 U	966 U	865 U	150 J	719 U
Thallium	NA	NA	NA	4.1 U	3.6 U	3.9 U	3.5 U	3.1 U	2.9 U
Vanadium	NA	NA	NA	8.5 J	5.0 J	4.4 J	8.5 J	6.8 J	6.2 J
Zinc	109	2,200	2,480	12.8	8.1	6.5	11.7	12.4	11.8
Mercury	0.18	0.81	0.73	0.017 U	0.017	0.017 U	0.10	0.018 U	0.017 U

Notes
J : Sample result is greater than the MDL but below the CRDL
U : Indicates analyzed for but not detected.
B: Indicates analyte detected in blank.
¹ Trivalent chromium SCOs utilized.
Highlighted / bolded indicates analyte exceeded above its respective NYSDEC Unrestricted SCO.
NA - Not Available
Indicates that sample locations were removed as part of supplemental soil excavation activities.



Table 6-8
Former Tank No. 9
TCL VOCs End Point Soil Analytical Data

TCL VOCs (mg/kg)	NYSDEC Unrestricted SCO	CP-51 Supplemental SCO (Table 2)	Former Tank No. 9															
			End Point Soil Samples															
			Side-wall Samples										Bottom Samples					
			T9-EP#1 (20')	T9-EP#3 (22')	T9-EP#4 (22')	T9-EP#6 (22')	T9-EP#7 (22')	T9-EP#8 (22')	T9-EP#9 (22')	T9-EP#12 (22')	T9-EP#13 (22')	T9-EP#2 (22')	T9-EP#5 (22')	T9-EP#10 (22')	T9-EP#11 (22')	TP-EP#14 (22')	T9-EP#15 (22')	
1,1,1-Trichloroethane	0.68	NA	0.0011 U	0.0012 U	0.0012 U	0.0011 U	0.0011 U	0.0011 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0011 U	0.00081 U	0.00068 U	0.0012 U	0.0010 U
1,1,2,2-Tetrachloroethane	NA	NA	0.0011 U	0.0012 U	0.0012 U	0.0011 U	0.0011 U	0.0011 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0011 U	0.00081 U	0.00068 U	0.0012 U	0.0010 U
1,1,2-Trichloroethane	NA	NA	0.0011 U	0.0012 U	0.0012 U	0.0011 U	0.0011 U	0.0011 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0011 U	0.00081 U	0.00068 U	0.0012 U	0.0010 U
1,1-Dichloroethane	0.27	NA	0.0011 U	0.0012 U	0.0012 U	0.0011 U	0.0011 U	0.0011 U	0.0012	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0011 U	0.00081 U	0.00068 U	0.0012 U	0.0010 U
1,1-Dichloroethene	0.33	NA	0.0011 U	0.0012 U	0.0012 U	0.0011 U	0.0011 U	0.00035 J	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0011 U	0.00024 J	0.00068 U	0.0012 U	0.0010 U
1,2,3-Trichlorobenzene	NA	NA	0.0011 U	0.0012 U	0.0012 U	0.0011 U	0.0011 U	0.0011 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0011 U	0.00081 U	0.00068 U	0.0012 U	0.0010 U
1,2,4-Trichlorobenzene	NA	NA	0.0011 U	0.0012 U	0.0012 U	0.0011 U	0.0011 U	0.0011 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0011 U	0.00081 U	0.00068 U	0.0012 U	0.0010 U
1,2-Dibromo-3-Chloropropane	NA	NA	0.0011 U	0.0012 U	0.0012 U	0.0011 U	0.0011 U	0.0011 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0011 U	0.00081 U	0.00068 U	0.0012 U	0.0010 U
1,2-Dibromoethane	NA	NA	0.0011 U	0.0012 U	0.0012 U	0.0011 U	0.0011 U	0.0011 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0011 U	0.00081 U	0.00068 U	0.0012 U	0.0010 U
1,2-Dichlorobenzene	1.1	NA	0.0011 U	0.0012 U	0.0012 U	0.0011 U	0.0011 U	0.0011 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0011 U	0.00081 U	0.00068 U	0.0012 U	0.0010 U
1,2-Dichloroethane	0.02	NA	0.0011 U	0.0012 U	0.0012 U	0.0011 U	0.0011 U	0.0011 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0011 U	0.00081 U	0.00068 U	0.0012 U	0.0010 U
1,2-Dichloropropane	NA	NA	0.0011 U	0.0012 U	0.0012 U	0.0011 U	0.0011 U	0.0011 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0011 U	0.00081 U	0.00068 U	0.0012 U	0.0010 U
1,3-Dichlorobenzene	2.4	NA	0.0011 U	0.0012 U	0.0012 U	0.0011 U	0.0011 U	0.0011 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0011 U	0.00081 U	0.00068 U	0.0012 U	0.0010 U
1,4-Dichlorobenzene	1.8	NA	0.0011 U	0.0012 U	0.0012 U	0.0011 U	0.0011 U	0.0011 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0011 U	0.00081 U	0.00068 U	0.0012 U	0.0010 U
1,4-Dioxane	0.1	NA	0.021 U	0.023 U	0.025 U	0.021 U	0.022 U	0.021 U	0.021 U	0.020 U	0.020 U	0.021 U	0.021 U	0.021 U	0.016 U	0.014 U	0.023 U	0.021 U
2-Butanone (MEK)	0.12	NA	0.0053 U	0.0058 U	0.0062 U	0.0053 U	0.0035 J	0.0080	0.0051 U	0.0050 U	0.0051 U	0.0051 U	0.0051 U	0.0053 U	0.0041 U	0.0034 U	0.0058 U	0.0051 U
2-Hexanone	NA	NA	0.0053 U	0.0058 U	0.0062 U	0.0053 U	0.0054 U	0.0053 U	0.0051 U	0.0050 U	0.0051 U	0.0051 U	0.0051 U	0.0053 U	0.0041 U	0.0034 U	0.0058 U	0.0051 U
4-Methyl-2-pentanone	NA	NA	0.0053 U	0.0058 U	0.0062 U	0.0053 U	0.0054 U	0.0053 U	0.0051 U	0.0050 U	0.0051 U	0.0051 U	0.0053 U	0.0053 U	0.0041 U	0.0034 U	0.0058 U	0.0051 U
Acetone	0.05	NA	0.0053 U	0.0058 U	0.0062 U	0.0053 U	0.013 B	0.020 B	0.0051 U	0.0054	0.0091	0.0051 U	0.0053 U	0.0041 U	0.0030 J B	0.0043 J	0.0088	
Benzene	0.06	0.06	0.0011 U	0.0012 U	0.0012 U	0.0011 U	0.00050 J	0.0017	0.00064 J	0.0010 U	0.0010 U	0.0010 U	0.00020 J	0.00026 J	0.00068 U	0.0012 U	0.0010 U	
Bromochloromethane	NA	NA	0.0011 U	0.0012 U	0.0012 U	0.0011 U	0.0011 U	0.0011 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0011 U	0.00081 U	0.00068 U	0.0012 U	0.0010 U
Bromodichloromethane	NA	NA	0.0011 U	0.0012 U	0.0012 U	0.0011 U	0.0011 U	0.0011 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0011 U	0.00081 U	0.00068 U	0.0012 U	0.0010 U
Bromoform	NA	NA	0.0011 U	0.0012 U	0.0012 U	0.0011 U	0.0011 U	0.0011 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0011 U	0.00081 U	0.00068 U	0.0012 U	0.0010 U
Bromomethane	NA	NA	0.0011 U	0.0012 U	0.0012 U	0.0011 U	0.0011 U	0.0011 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0011 U	0.00081 U	0.00068 U	0.0012 U	0.0010 U
Carbon disulfide	NA	NA	0.0011 U	0.0012 U	0.0012 U	0.0011 U	0.0055	0.028	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.00095 J	0.00029 J	0.00068 U	0.0012 U	0.0010 U
Carbon tetrachloride	0.76	NA	0.0011 U	0.0012 U	0.0012 U	0.0011 U	0.0011 U	0.0011 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0011 U	0.00081 U	0.00068 U	0.0012 U	0.0010 U
Chlorobenzene	1.1	NA	0.0011 U	0.0012 U	0.0012 U	0.0011 U	0.0011 U	0.0011 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0011 U	0.00081 U	0.00068 U	0.0012 U	0.0010 U
Chloroethane	NA	NA	0.0011 U	0.0012 U	0.0012 U	0.0011 U	0.0011 U	0.0011 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0011 U	0.00081 U	0.00068 U	0.0012 U	0.0010 U
Chloroform	0.37	NA	0.0011 U	0.0012 U	0.0012 U	0.0011 U	0.0011 U	0.0011 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0011 U	0.00081 U	0.00068 U	0.0012 U	0.0010 U
Chloromethane	NA	NA	0.0011 U	0.0012 U	0.0012 U	0.0011 U	0.0011 U	0.0011 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0011 U	0.00081 U	0.00068 U	0.0012 U	0.0010 U
cis-1,2-Dichloroethene	0.25	NA	0.0011 U	0.0012 U	0.0012 U	0.0011 U	0.00013 J	0.055	0.0080	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0011 U	0.019	0.00068 U	0.0012 U	0.0010 U
cis-1,3-Dichloropropene	NA	NA	0.0011 U	0.0012 U	0.0012 U	0.0011 U	0.0011 U	0.0011 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0011 U	0.00081 U	0.00068 U	0.0012 U	0.0010 U
Cyclohexane	NA	NA	0.0011 U	0.0012 U	0.0012 U	0.0011 U	0.0011 U	0.0011 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0011 U	0.00081 U	0.00068 U	0.0012 U	0.0010 U
Dibromochloromethane	NA	NA	0.0011 U	0.0012 U	0.0012 U	0.0011 U	0.0011 U	0.0011 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0011 U	0.00081 U	0.00068 U	0.0012 U	0.0010 U
Dichlorodifluoromethane	NA	NA	0.0011 U	0.0012 U	0.0012 U	0.0011 U	0.0011 U	0.0011 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0011 U	0.00081 U	0.00068 U	0.0012 U	0.0010 U
Ethylbenzene	1	1	0.0011 U	0.0012 U	0.0012 U	0.0011 U	0.0011 U	0.0011 U	0.0010 U	0.0010 U	0.0010 U	0.00030 J	0.0010 U	0.0012	0.00081 U	0.00068 U	0.0012 U	0.0010 U
Freon 113	NA	NA	0.0011 U	0.0012 U	0.0012 U	0.0011 U	0.0011 U	0.0011 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0011 U	0.00081 U	0.00068 U	0.0012 U	0.0010 U
Isopropylbenzene	NA	2.3	0.0011 U	0.0012 U	0.0012 U	0.0011 U	0.00013 J	0.0011 U	0.00036 J	0.0010 U	0.00015 J	0.0010 U	0.00054 J	0.00081 U	0.00068 U	0.0012 U	0.00026 J	
m&p-Xylene	0.26	0.26	0.0021 U	0.0023 U	0.0025 U	0.0021 U	0.0022 U	0.0021 U	0.0021 U	0.0020 U	0.0020 U	0.0020 U	0.0021 U	0.0021 U	0.0016 U	0.0014 U	0.0023 U	0.0021 U
Methyl acetate	NA	NA	0.0011 U	0.0012 U	0.0012 U	0.0011 U	0.0011 U	0.0011 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0011 U	0.00081 U	0.00068 U	0.0012 U	0.0010 U
Methylcyclohexane	NA	NA	0.00031 J	0.0012 U	0.00084 J	0.0011												

Table 6-9
Former Tank No. 9
TCL SVOCs End Point Soil Analytical Data

			Former Tank No. 9																
			End Point Soil Samples																
			Side-wall Samples										Bottom Samples						
			T9-EP#1 (20')	T9-EP#3 (22')	T9-EP#4 (22')	T9-EP#6 (22')	T9-EP#7 (22')	T9-EP#8 (22')	T9-EP#9 (22')	T9-EP#12 (22')	T9-EP#13 (22')	T9-EP#2 (22')	T9-EP#5 (22')	T9-EP#10 (22')	T9-EP#11 (22')	TP-EP#14 (22')	T9-EP#15 (22')		
TCL SVOCs (mg/kg)	NYSDEC Unrestricted SCO	CP-51 Supplemental SCO (Table 3)	1,2,4,5-Tetrachlorobenzene	NA	NA	0.43 U	0.36 U	0.45 U	0.40 U	0.43 U	0.40 U	0.44 U	0.38 U	0.37 U	0.40 U	0.39 U	0.38 U	0.44 U	0.43 U
1,4-Dioxane	0.1	NA	0.43 U	0.36 U	0.45 U	0.40 U	0.43 U	0.40 U	0.44 U	0.40 U	0.38 U	0.37 U	0.40 U	0.39 U	0.38 U	0.44 U	0.43 U		
2,2'-oxybis[1-chloropropane]	NA	NA	0.43 U	0.36 U	0.45 U	0.40 U	0.43 U	0.40 U	0.44 U	0.40 U	0.38 U	0.37 U	0.40 U	0.39 U	0.38 U	0.44 U	0.43 U		
2,3,4,6-Tetrachlorophenol	NA	NA	0.43 U	0.36 U	0.45 U	0.40 U	0.43 U	0.40 U	0.44 U	0.40 U	0.38 U	0.37 U	0.40 U	0.39 U	0.38 U	0.44 U	0.43 U		
2,4,5-Trichlorophenol	NA	NA	0.43 U	0.36 U	0.45 U	0.40 U	0.43 U	0.40 U	0.44 U	0.40 U	0.38 U	0.37 U	0.40 U	0.39 U	0.38 U	0.44 U	0.43 U		
2,4,6-Trichlorophenol	NA	NA	0.43 U	0.36 U	0.45 U	0.40 U	0.43 U	0.40 U	0.44 U	0.40 U	0.38 U	0.37 U	0.40 U	0.39 U	0.38 U	0.44 U	0.43 U		
2,4-Dichlorophenol	NA	NA	0.43 U	0.36 U	0.45 U	0.40 U	0.43 U	0.40 U	0.44 U	0.40 U	0.38 U	0.37 U	0.40 U	0.39 U	0.38 U	0.44 U	0.43 U		
2,4-Dimethylphenol	NA	NA	0.43 U	0.36 U	0.45 U	0.40 U	0.43 U	0.40 U	0.44 U	0.40 U	0.38 U	0.37 U	0.40 U	0.39 U	0.38 U	0.44 U	0.43 U		
2,4-Dinitrophenol	NA	NA	1.3 U	1.1 U	1.4 U	1.2 U	1.3 U	1.2 U	1.3 U	1.2 U	1.1 U	1.1 U	1.2 U	1.2 U	1.2 U	1.3 U	1.3 U		
2,4-Dinitrotoluene	NA	NA	0.087 U	0.073 U	0.092 U	0.081 U	0.087 U	0.080 U	0.090 U	0.081 U	0.076 U	0.076 U	0.082 U	0.079 U	0.078 U	0.090 U	0.087 U		
2,6-Dinitrotoluene	NA	NA	0.087 U	0.073 U	0.092 U	0.081 U	0.087 U	0.080 U	0.090 U	0.081 U	0.076 U	0.076 U	0.082 U	0.079 U	0.078 U	0.090 U	0.087 U		
2-Chloronaphthalene	NA	NA	0.43 U	0.36 U	0.45 U	0.40 U	0.43 U	0.40 U	0.44 U	0.40 U	0.38 U	0.37 U	0.40 U	0.39 U	0.38 U	0.44 U	0.43 U		
2-Chlorophenol	NA	NA	0.43 U	0.36 U	0.45 U	0.40 U	0.43 U	0.40 U	0.44 U	0.40 U	0.38 U	0.37 U	0.40 U	0.39 U	0.38 U	0.44 U	0.43 U		
2-Methylnaphthalene	NA	NA	0.43 U	0.36 U	0.45 U	0.40 U	0.43 U	0.40 U	0.44 U	0.40 U	0.38 U	0.37 U	0.40 U	0.39 U	0.38 U	0.44 U	0.43 U		
2-Methylphenol	0.33	NA	0.43 U	0.36 U	0.45 U	0.40 U	0.43 U	0.40 U	0.44 U	0.40 U	0.38 U	0.37 U	0.40 U	0.39 U	0.38 U	0.44 U	0.43 U		
2-Nitroaniline	NA	NA	0.87 U	0.73 U	0.92 U	0.81 U	0.87 U	0.80 U	0.90 U	0.81 U	0.76 U	0.76 U	0.82 U	0.79 U	0.78 U	0.90 U	0.87 U		
2-Nitrophenol	NA	NA	0.43 U	0.36 U	0.45 U	0.40 U	0.43 U	0.40 U	0.44 U	0.40 U	0.38 U	0.37 U	0.40 U	0.39 U	0.38 U	0.44 U	0.43 U		
3,3'-Dichlorobenzidine	NA	NA	0.87 U	0.73 U	0.92 U	0.81 U	0.87 U	0.80 U	0.90 U	0.81 U	0.76 U	0.76 U	0.82 U	0.79 U	0.78 U	0.90 U	0.87 U		
3-Nitroaniline	NA	NA	0.87 U	0.73 U	0.92 U	0.81 U	0.87 U	0.80 U	0.90 U	0.81 U	0.76 U	0.76 U	0.82 U	0.79 U	0.78 U	0.90 U	0.87 U		
4,6-Dinitro-2-methylphenol	NA	NA	1.3 U	1.1 U	1.4 U	1.2 U	1.3 U	1.2 U	1.3 U	1.2 U	1.1 U	1.1 U	1.2 U	1.2 U	1.2 U	1.3 U	1.3 U		
4-Bromophenyl phenyl ether	NA	NA	0.43 U	0.36 U	0.45 U	0.40 U	0.43 U	0.40 U	0.44 U	0.40 U	0.38 U	0.37 U	0.40 U	0.39 U	0.38 U	0.44 U	0.43 U		
4-Chloro-3-methylphenol	NA	NA	0.43 U	0.36 U	0.45 U	0.40 U	0.43 U	0.40 U	0.44 U	0.40 U	0.38 U	0.37 U	0.40 U	0.39 U	0.38 U	0.44 U	0.43 U		
4-Chloroaniline	NA	NA	0.43 U	0.36 U	0.45 U	0.40 U	0.43 U	0.40 U	0.44 U	0.40 U	0.38 U	0.37 U	0.40 U	0.39 U	0.38 U	0.44 U	0.43 U		
4-Chlorophenyl phenyl ether	NA	NA	0.43 U	0.36 U	0.45 U	0.40 U	0.43 U	0.40 U	0.44 U	0.40 U	0.38 U	0.37 U	0.40 U	0.39 U	0.38 U	0.44 U	0.43 U		
4-Methylphenol	0.33	NA	0.43 U	0.36 U	0.45 U	0.40 U	0.43 U	0.40 U	0.44 U	0.40 U	0.38 U	0.37 U	0.40 U	0.39 U	0.38 U	0.44 U	0.43 U		
4-Nitroaniline	NA	NA	0.87 U	0.73 U	0.92 U	0.81 U	0.87 U	0.80 U	0.90 U	0.81 U	0.76 U	0.76 U	0.82 U	0.79 U	0.78 U	0.90 U	0.87 U		
4-Nitrophenol	NA	NA	1.3 U	1.1 U	1.4 U	1.2 U	1.3 U	1.2 U	1.3 U	1.2 U	1.1 U	1.1 U	1.2 U	1.2 U	1.2 U	1.3 U	1.3 U		
Acenaphthene	20	20	0.43 U	0.36 U	0.45 U	0.40 U	0.43 U	0.40 U	0.44 U	0.40 U	0.38 U	0.37 U	0.40 U	0.39 U	0.38 U	0.44 U	0.43 U		
Acenaphthylene	100	100	0.43 U	0.36 U	0.45 U	0.40 U	0.43 U	0.40 U	0.44 U	0.40 U	0.38 U	0.37 U	0.40 U	0.39 U	0.38 U	0.44 U	0.43 U		
Acetophenone	NA	NA	0.43 U	0.36 U	0.45 U	0.40 U	0.43 U	0.40 U	0.44 U	0.40 U	0.38 U	0.37 U	0.40 U	0.39 U	0.38 U	0.44 U	0.43 U		
Anthracene	100	100	0.43 U	0.36 U	0.45 U	0.40 U	0.43 U	0.40 U	0.44 U	0.40 U	0.38 U	0.37 U	0.40 U	0.39 U	0.38 U	0.44 U	0.43 U		
Atrazine	NA	NA	0.43 U	0.36 U	0.45 U	0.40 U	0.43 U	0.40 U	0.44 U	0.40 U	0.38 U	0.37 U	0.40 U	0.39 U	0.38 U	0.44 U	0.43 U		
Benzaldehyde	NA	NA	0.43 U	0.36 U	0.45 U	0.40 U	0.43 U	0.40 U	0.44 U	0.40 U	0.38 U	0.37 U	0.40 U	0.39 U	0.38 U	0.44 U	0.43 U		
Benzo[a]anthracene	1	1	0.043 U	0.036 U	0.045 U	0.040 U	0.043 U	0.040 U	0.044 U	0.040 U	0.038 U	0.037 U	0.040 U	0.039 U	0.038 U	0.044 U	0.043 U		
Benzo[a]pyrene	1	1	0.043 U	0.036 U	0.045 U	0.040 U	0.043 U	0.040 U	0.044 U	0.040 U	0.038 U	0.037 U	0.040 U *	0.039 U	0.038 U	0.044 U	0.043 U		
Benzo[b]fluoranthene	1	1	0.043 U	0.036 U	0.045 U	0.040 U	0.043 U	0.040 U	0.044 U	0.040 U	0.038 U	0.037 U	0.040 U *	0.039 U	0.038 U	0.044 U	0.043 U		
Benzo[g,h,i]perylene	100	100	0.43 U	0.36 U	0.45 U	0.40 U	0.43 U	0.40 U	0.44 U	0.40 U	0.38 U	0.37 U	0.40 U	0.39 U	0.38 U	0.44 U	0.43 U		
Benzo[k]fluoranthene	0.8	0.8	0.043 U	0.036 U	0.045 U	0.040 U	0.043 U	0.040 U	0.044 U	0.040 U	0.038 U	0.037 U	0.040 U	0.039 U	0.038 U	0.044 U	0.043 U		
Bis(2-chloroethoxy)methane	NA	NA	0.43 U	0.36 U	0.45 U	0.40 U	0.43 U	0.40 U	0.44 U	0.40 U	0.38 U	0.37 U	0.40 U	0.39 U	0.38 U	0.44 U	0.43 U		
Bis(2-chloroethyl)ether	NA	NA	0.043 U	0.036 U	0.045 U	0.040 U	0.043 U	0.040 U	0.044 U	0.040 U	0.038 U	0.037 U	0.040 U	0.039 U	0.038 U	0.044 U	0.043 U		
Bis(2-ethylhexyl) phthalate	NA	NA	0.43 U	0.36 U	0.45 U	0.40 U	0.43 U	0.40 U	0.44 U	0.40 U	0.38 U	0.37 U	0.40 U	0.39 U	0.38 U	0.44 U	0.43 U		
Butyl benzyl phthalate	NA	NA	0.43 U	0.36 U	0.45 U	0.40 U	0.43 U	0.40 U	0.44 U	0.40 U	0.38 U	0.37 U	0.40 U	0.39 U	0.38 U	0.44 U	0.43 U		
Caprolactam	NA	NA	0.43 U	0.36 U	0.45 U	0.40 U	0.43 U	0.40 U	0.44 U	0.40 U	0.38 U	0.37 U	0.40 U	0.39 U	0.38 U	0.44 U	0.43 U		
Carbazole	NA	NA	0.43 U	0.36 U	0.45 U	0.40 U	0.43 U	0.40 U	0.44 U	0.40 U	0.38 U	0.37 U	0.40 U	0.39 U	0.38 U	0.44 U	0.43 U		
Chrysene	1	1	0.43 U	0.36 U	0.45 U	0.40 U	0.43 U	0.40 U	0.44 U	0.40 U	0.38 U	0.37 U	0.40 U	0.39 U	0.38 U	0.44 U	0.43 U		
Dibenz(a,h)anthracene	0.33	0.33	0.043 U	0.036 U	0.045 U	0.040 U	0.043 U	0.040 U	0.044 U	0.040 U	0.038 U	0.037 U	0.040 U	0.039 U	0.038 U	0.044 U	0.043 U		
Dibenzofuran	7	NA	0.43 U	0.36 U	0.														

Table 6-10
Former Tank No. 9
TAL Metals End Point Soil Analytical Data

TAL Metals (mg/kg)	NYSDEC SCOs				Former Tank No. 9 End Point Soil Samples											
	Unrestricted	Residential	Restricted Residential	Protection of Groundwater	Side-wall Samples								Bottom Samples			
					T9-EP#1 (20')	T9-EP#3 (22')	T9-EP#4 (22')	T9-EP#6 (22')	T9-EP#7 (22')	T9-EP#8 (22')	T9-EP#9 (22')	T9-EP#12 (22')	T9-EP#13 (22')	T9-EP#2 (22')	T9-EP#5 (22')	T9-EP#10 (22')
Aluminum	NA	NA	NA	NA	3,500	1,580	7,790	1,710	1,450	11,600	12,000	6,870	1,180	1,270	1,800	9,660
Antimony	NA	NA	NA	NA	4.9 U	3.9 U	1.2 J	3.6 U	4.0 U	4.8 U	4.4 U	4.4 U	4.5 U	4.0 U	4.0 U	0.88 J
Arsenic	13	16	16	16	1.2 J	1.5 J	3.5	2.7 U	0.92 J	1.2 J	3.2 J	2.1 J	1.3 J	3.0 U	3.0 U	1.4 J
Barium	350	350	400	820	27.2 J	13.6 J	50.6	12.1 J	23.0 J	44.9 J	57.7	38.3 J	9.4 J	10.3 J	20.7 J	36.1 J
Beryllium	7.2	14	72	47	0.32 J	0.18 J	0.58	0.13 J	0.15 J	0.54	0.61	0.28 J	0.45 U	0.13 J	0.17 J	0.60
Cadmium	2.5	2.5	4.3	7.5	0.99 U	7.8	0.86 U	24.7	58.4	0.95 U	0.89 U	0.89 U	2.4	0.79 U	2.6	0.77 U
Calcium	NA	NA	NA	NA	1,110 J	396 J	1,380	339 J	240 J	1,840	2,210	1,250	146 J	389 J	668 J	1,640
Chromium ¹	30	36	180	NS	9.3	8.2	18.8	13.3	7.7	30.7	40.3	16.4	4.6	3.7	5.6	29.8
Cobalt	NA	NA	NA	NA	4.1 J	2.3 J	8.7 J	1.5 J	10.1 U	3.5 J	6.1 J	7.1 J	1.5 J	0.87 J	1.8 J	3.7 J
Copper	50	270	270	1,720	6.2	3.9 J	11.5	6.0	98.0	8.3	12.5	12.9	3.1 J	2.4 J	2.5 J	7.8
Iron	NA	NA	NA	NA	6,010	8,210	24,800	5,170	2,880	12,000	13,800	15,000	3,840	2,690	2,960	20,400
Lead	63	400	400	450	2.8	3.0	6.2	1.6 J	6.0	8.4	8.5	6.1	1.4 J	1.7 J	2.0	7.5
Magnesium	NA	NA	NA	NA	1,440	586 J	3,110	666 J	320 J	3,670	4,330	2,440	439 J	596 J	822 J	3,670
Manganese	1,600	2,000	2,000	2,000	88.2	53.3	295	69.8	25.6	143	177	155	28.5	31.3	41.3	171
Nickel	30	140	310	130	7.4 J	9.6	12.0	4.9 J	2.5 J	11.0	13.6	11.3	3.8 J	2.3 J	2.7 J	10.1
Potassium	NA	NA	NA	NA	917 J	410 J	1,980	455 J	348 J	2,300	2,750	1,420	207 J	398 J	556 J	1,900
Selenium	3.9	36	180	4	4.9 U	3.9 U	4.3 U	3.6 U	4.0 U	4.8 U	4.4 U	4.4 U	4.5 U	4.0 U	4.0 U	3.8 U
Silver	2	36	180	8.3	2.5 U	1.9 U	2.1 U	0.37 J	0.81 J	2.4 U	2.2 U	2.2 U	2.2 U	2.0 U	2.0 U	1.9 U
Sodium	NA	NA	NA	NA	1,240 U	963 U	1,070 U	896 U	1,010 U	1,190 U	1,110 U	1,110 U	1,120 U	991 U	999 U	85 J
Thallium	NA	NA	NA	NA	4.9 U	3.9 U	4.3 U	3.6 U	4.0 U	4.8 U	4.4 U	4.4 U	4.5 U	4.0 U	4.0 U	3.8 U
Vanadium	NA	NA	NA	NA	9.8 J	7.1 J	22.0	5.4 J	4.7 J	40.1	26.1	21.8	3.9 J	3.7 J	5.3 J	27.6
Zinc	109	2,200	10,000	2,480	17.8	15.1	37.7	8.1	6.4	41.3	43.6	36.3	10.6	7.0	10.4	35.9
Mercury	0.18	0.81	0.81	0.73	0.022 U	0.018 U	0.023 U	0.018 U	0.015 J	0.022	0.016 J	0.021 U	0.017 U	0.019 U	0.018 U	0.020 U

TAL Metals (mg/kg)	NYSDEC SCOs				Former Tank No. 9 End Point Soil Samples							
	Unrestricted	Residential	Restricted Residential	Protection of Groundwater	Bottom Samples				Supplemental End Point Soil Samples (12/19/13) Side-wall Samples			
					T9-EP#11 (22')	TP-EP#14 (22')	T9-EP#15 (22')	T9-EP#16 (25')	T9-EP#17 (25')	T9-EP#18 (25')	T9-EP#19 (25')	T9-EP#20 (25')
Aluminum	NA	NA	NA	NA	11,300	3,930	6,910	3,580	2,390	1,840	1,990	1,010
Antimony	NA	NA	NA	NA	3.8 U	2.1 J	4.9 U	4.8 U	4.6 U	4.4 U	4.5 U	4.4 U
Arsenic	13	16	16	16	2.1 J	1.6 J	3.0 J	1.0 J	3.5 U	3.3 U	2.3 J	3.3 U
Barium	350	350	400	820	37.1 J	22.4 J	24.8 J	23.9 J	22.8 J	15.0 J	4.6 J	14.2 J
Beryllium	7.2	14	72	47	0.41	0.54 U	0.24 J	0.15 J	0.46 U	0.44 U	0.21 J	0.44 U
Cadmium	2.5	2.5	4.3	7.5	0.76 U	1.1 U	0.99 U	0.97 U	0.93 U	5.2	4.7	3.3
Calcium	NA	NA	NA	NA	991	626 J	953 J	620 J	397 J	619 J	1,130 U	218 J
Chromium ¹	30	36	180	NS	20.7	9.9	16.8	8.4	15.5	7.8	3.7	3.7
Cobalt	NA	NA	NA	NA	3.5 J	4.0 J	3.9 J	3.7 J	2.1 J	1.4 J	2.4 J	11.0 U
Copper	50	270	270	1,720	7.2	6.3 J	13.9	7.5	6.7	26.5	15.9	2.5 J
Iron	NA	NA	NA	NA	15,400	10,800	15,600	9,250	4,450	4,400	14,000	2,230
Lead	63	400	400	450	6.3	3.8	6.9	3.5	2.4	1.9 J	2.8	1.0 J
Magnesium	NA	NA	NA	NA	2,040	1,460	1,970	1,440	949 J	753 J	383 J	449 J
Manganese	1,600	2,000	2,000	2,000	131	107	109	232	361	44.4	51.9	18.1
Nickel	30	140	310	130	11.8	6.8 J	10.4	9.0 J	4.4 J	4.4 J	4.8 J	2.5 J
Potassium	NA	NA	NA	NA	1,080	919 J	1,220 J	933 J	700 J	473 J	219 J	329 J
Selenium	3.9	36	180	4	3.8 U	5.4 U	4.9 U	4.8 U	4.6 U	4.4 U	4.5 U	4.4 U
Silver	2	36	180	8.3	1.9 U	2.7 U	2.5 U	2.4 U	2.3 U	1.3 J	2.3 U	2.2 U
Sodium	NA	NA	NA	NA	79 J	1,340 U	1,240 U	1,210 U	1,160 U	1,100 U	1,130 U	1,100 U
Thallium	NA	NA	NA	NA	3.8 U	5.4 U	4.9 U	4.8 U	4.6 U	4.4 U	4.5 U	4.4 U
Vanadium	NA	NA	NA	NA	20.0	12.2 J	20.3	10 J	5.6 J	4.7 J	5.3 J	2.9 J
Zinc	109	2,200	10,000	2,480	30.5	20.6	86.1	16.2	10.4	19.1	15.7	10.2
Mercury	0.18	0.81	0.81	0.73	0.020 U	0.020 U	0.022 U	0.022 U	0.021 U	0.020 U	0.021 U	0.019 U

TAL Metals (mg/Kg)	NYSDEC SCOs				Former Tank No. 9												
	Unrestricted	Residential	Restricted Residential	Protection of Groundwater	Supplemental End Point Soil Samples (1/20/14)				Supplemental End Point Soil Samples (1/30/14)			Supplemental End Point Soil Samples (2/10/14)			Supplemental End Point Soil Samples (2/24/14)		
					Side-wall Samples				Side-wall Samples			Side-wall Samples			Side-wall Samples		
					T9-EP#21 (28')	T9-EP#22 (28')	T9-EP#23 (28')	T9-EP#24 (28')	T9-EP#25 (30')	T9-EP#26 (30')	T9-EP#27 (30')	T9-EP#28 (30')	T9-EP#29 (30')	T9-EP#30 (30')	T9-EP#31 (30')	T9-EP#32 (30')	T9-EP#33 (30')
Aluminum	NA	NA	NA	NA	2,290	1,680	2,790	1,840	2,520	2,550	801	1,200	943	591	1,210	2,210	2,370
Antimony	NA	NA	NA	NA	4.8 U	4.4 U	4.8 U	4.2 U	5.1 U	4.4 U	4.3 U	4.1 U	3.8 U	4.3 U	4.3 U	4.2 U	4.3 U
Arsenic	13	16	16	16	1.1 J	0.85 J	1.8 J	1.2 J	1.1 J	5.2	3.2 U	0.70 J	0.73 J	0.67 J	3.2 U	0.66 J	3.2 U
Barium	350	350	400	820	13.2 J	10.0 J	18.5 J	13.4 J	22.3 J	73.9	5.4 J	5.4 J	4.5 J	5.5 J	10.1 J	15.4 J	19.2 J
Beryllium	7.2	14	72	47	0.48 U	0.44 U	0.19 J	0.42 U	0.51 U	0.44 U	0.43 U	0.13 J	0.12 J	0.093 J	0.091 J	0.19 J	0.19 J
Cadmium	2.5	2.5	4.3	7.5	0.95 U	0.88 U	4.7	3.5	3.7	1.1	9.3	38.8	2.3	11.6	0.87 U	0.83 U	0.86 U
Calcium	NA	NA	NA	NA	189 J	167 J	141 J	126 J	799 J	179 J	162 J	195 J	198 J	158 J	238 J	636 J	596 J
Chromium ¹	30	36	180	NS	36.6	8.6	5.1	4.3	9.3	7.0	2.2	2.9	3.4	2.6	2.3	4.8	5.4
Cobalt	NA	NA	NA	NA	2.2	0.93 J	3.6 J	2.1 J	2.5 J	3.5 J	10.7 U	1.6 J	0.89 J	0.55 J	1.2 J	2.3 J	2.2 J
Copper	50	270	270	1,720	8.1	3.5 J	8.0	9.4	7.9	5.2 J	2.8 J	5.9	2.8 J	2.6 J	2.0 J	4.2 J	3.9 J
Iron	NA	NA	NA	NA	5,370	2,640	9,230	8,760	5,350	12,100	2,880	5,020	5,270	3,780	7,540	6,190	5,070
Lead	63	400	400	450	11.4	1.1 J	1.5 J	1.5 J	1.8 J	1.8 J	1.1 J	0.92 J	1.0 J	0.81 J	1.7 J	1.9 J	2.2
Magnesium	NA	NA	NA	NA	623 J	477 J	803 J	586 J	941 J	676 J	250 J	382 J	320 J	178 J	334 J B	749 J B	752 J B
Manganese	1,600	2,000	2,000	2,000	159	57.7	374	80.4	117	395	18.0	39.9	28.9	19.8	205	104	205
Nickel	30	140	310	130	4.0 J	4.3 J	4.2 J	3.1 J	6.1 J	5.3 J	1.6 J	3.4 J B	3.4 J B	3.1 J B	1.7 J	4.4 J	5.1 J
Potassium	NA	NA	NA	NA	414 J	153 J	444 J	353 J	626 J	435 J	184 J	285 J	265 J	142 J	249 J	405 J	350 J
Selenium	3.9	36	180	4	4.8 U	4.4 U	4.8 U	4.2 U	5.1 U	4.4 U	4.3 U	4.1 U	3.8 U	4.3 U	4.3 U	4.2 U	4.3 U
Silver	2	36	180	8.3	0.25 J	2.2 U	2.4 U	2.1 U	2.5 U	0.22 J	2.1 U	2.1 U	1.9 U	2.2 U	0.19 J B	2.1 U	2.1 U
Sodium	NA	NA	NA	NA	1,190 U	1,100 U	1,200 U	1,050 U	1,260 U	1,100 U	1,070 U	1,030 U	956 U	1,080 U	1,080 U	1,040 U	1,070 U
Thallium	NA	NA	NA	NA	4.8 U	4.4 U	4.8 U	4.2 U	5.1 U	4.4 U	4.3 U	4.1 U	3.8 U	4.3 U	4.3 U	4.2 U	4.3 U
Vanadium	NA	NA	NA	NA	6.4 J	3.0 J	5.2 J	4.9 J	6.0 J	4.7 J	2.4 J	4.5 J	4.9 J	6.4 J	3.0 J	6.4 J	6.3 J
Zinc	109	2,200	10,000	2,480	10.3	5.3 J	9.4	6.8	12.9	15.6	7.7	8.8	7.4	4.2 J	34.9	9.1	10.3
Mercury	0.18	0.81	0.81	0.73	0.018 U	0.019 U	0.020 U	0.020 U	0.022 U	0.020 U	0.021 U	0.019 U	0.018 U	0.019 U	0.019 U	0.017 U	0.020 U

Notes

J : Sample result is greater than the MDL but below the CRDL

U : Indicates analyzed for but not detected.

¹ Trivalent chromium SCOs utilized.

Green / italicized value indicates analyte exceeded its respective unrestricted SCO but was below its respective Residential / Protection of GW SCO, whichever is lower.

Blue / italicized value indicates analyte exceeded its respective Residential SCO and / or Protection of Groundwater SCO but was below its Restricted Residential SCO.

NA - Not Available

NS - No Standard Available

Indicates that sample locations were removed as part of supplemental soil excavation activities.

Table 6-11
TAL Metals Soil Analytical Data
FO-4 Original Sample Location - Post Excavation Data

	NYSDEC SCOs			FO-4 Original Sample Location - RCRA Excavation																		
				End Point Soil Samples						Supplemental Soil Samples						Supplemental Soil Samples				Supplemental Soil Samples		
				Side-wall Samples			Bottom Samples			Side-wall Samples			Bottom Samples			Side-wall Samples		Bottom Samples		Side-wall Samples		
TAL Metals (mg/kg)	Unrestricted	Residential	Protection of Groundwater	FO-EP#3 (2')	FO-EP#4 (1')	FO-EP#5 (1')	FO-EP#6 (2')	FO-EP#1 (2')	FO-EP#2 (2')	FO-EP#14 (2')	FO-EP#15 (2')	FO-EP#16 (2')	FO-EP#12 (4')	FO-EP#13 (4')	FO-EP#24 (3')	FO-EP#25 (3')	FO-EP#22 (6')	FO-EP#23 (6')	FO-EP#31 (1')	FO-EP#32 (1')	FO-EP#33 (1')	
Aluminum	NA	NA	NA	8,960	4,260	1,280	6,530	1,180	3,790	6,750	2,750	3,480	6,990	5,390	1,250	3,180	6,800	984	1,330	5,180	7,020	
Antimony	NA	NA	NA	4.6 U	3.2 U	3.6 U	3.9 U	3.6 U	3.6 U	3.4 U	3.5 U	3.8 U	3.7 U	4.0 U	2.9 U	3.18 U	4.4 U	3.1 U	3.7 U	4.2 U	3.8 U	
Arsenic	13	16	16	6.5	2.4	0.85 J	3.4	1.0 J	6.0	5.2	0.97 J	1.7 J	3.3	3.7	2.2 U	0.87 J	1.4 J	2.4 U	1.0 J	2.9 J	2.7 J	
Barium	350	350	820	51.6	141	5.3 J	44.3	4.4 J	57.1	50.5	18.9 J	24.0 J	92.4	274	8.2 J	17.5 J	42.0 J	5.7 J	8.5 J	46.1	48.8	
Beryllium	7.2	14	47	0.46	0.26 J	0.11 J	0.43	0.36 U	0.37	0.32 J	0.14 J	0.16 J	0.39	0.27 J	0.11 J	0.14 J	0.33 J	0.14 J	0.37 U	0.42 U	0.27 J	
Cadmium	2.5	2.5	7.5	14.2	0.46 J	0.73 U	0.44 J	0.73 U	0.57 J	3.0	0.71 U	0.50 J	0.75 U	1.8	0.59 U	0.21 J	2.0	0.63 U	0.73 U	0.84 U	0.77 U	
Calcium	NA	NA	NA	1,280	10,400	542 J	14,500	287 J	1,710	4960	291 J	553 J	485 J	2,140	219 J	422 J	1,230	61.5 J	4,320	2,370	1,250	
Chromium ¹	30	36	NS	16.3	12.3	2.4	23.3	2.5	16.4	18.3	5.4	7.0	14.3	13.3	5.2	8.4	16.0	1.7	3.2	11.9	14.2	
Cobalt	NA	NA	NA	4.4 J	3.2 J	1.0 J	4.3 J	2.8 J	5.8 J	4.5 J	1.2 J	1.3 J	4.8 J	6.7 J	0.89 J	1.2 J	5.0 J	7.9 U	1.2 J	4.1 J	4.1 J	
Copper	50	270	1,720	16.1	17.3	2.0 J	26.5	4.4 J	10.2	27.1	4.1 J	3.3 J	6.4	16.1	1.5 J	3.2 J	8.7	0.89 J	2.8 J	30.8	9.1	
Iron	NA	NA	NA	12,200	7,120	3,190	11,700	3,430	12,900	13,700	4,410	4,300	13,200	9,820	2,210	5,440	9,430	957	3,730	9,680	12,500	
Lead	63	400	450	40.3	19.1	1.6 J	20.5	1.8	12.0	60.2	9.2	6.8	12.7	34.8	2.9	9.2	5.2	1.4 J	2.7	138	29.0	
Magnesium	NA	NA	NA	1,720	2,410	270 J	5,360	251 J	1,490	2,010	615 J	716 J	1,500	1,270	313 J	1,020	2,010	130 J	444 J	1,770	1,640	
Manganese	1,600	2,000	2,000	260	210	55.9	391	55.1	825	320	68.1	44.0	418	2,480	31.2	115	74.9	9.2	69.3	214	420	
Nickel	30	140	130	13.3	8.0	1.8 J	10.3	2.1 J	9.8	11.3	3.1 J	4.3 J	7.7	16.4	1.4 J	3.3 J	9.6	1.1 J	2.2 J	9.5	8.8	
Potassium	NA	NA	NA	461 J	699 J	292 J	935 J	138 J	594 J	576 J	317 J	269 J	420 J	484 J	125 J	177 J	922 J	67.0 J	221 J	482 J	587 J	
Selenium	3.9	36	4	4.6 U	3.2 U	3.6 U	3.9 U	3.6 U	3.6 U	1.0 J	3.5 U	3.8 U	1.1 J	1.6 J	2.9 U	3.9 U	4.4 U	3.1 U	3.7 U	4.2 U	3.8 U	
Silver	2	36	8.3	12.7	2.8	1.8 U	2.9	1.8 U	3.4	6.3	1.8 U	0.65 J	1.9 U	6.3	1.5 U	0.38 J	2.2 U	0.22 J	0.37 J	1.5 J	1.9 U	
Sodium	NA	NA	NA	1,140 U	99.9 J	909 U	76.7 J	908 U	905 U	117 J	71.3 J	941 U	937 U	999 U	735 U	968 U	1,100 U	787 U	916 U	115 J	960 U	
Thallium	NA	NA	NA	4.6 U	3.2 U	3.6 U	3.9 U	3.6 U	3.6 U	3.4 U	3.5 U	3.8 U	3.7 U	1.4 J	2.9 U	3.9 U	4.4 U	3.1 U	3.7 U	4.2 U	3.8 U	
Vanadium	NA	NA	NA	33.5	10.5	2.3 J	15.0	3.3 J	16.2	21.8	6.5 J	9.3 J	19.8	13.5	4.0 J	12.3	19.6	2.2 J	3.3 J	15.4	15.5	
Zinc	109	2,200	2,480	994	117	4.9 J	125	6.0	68.6	234	11.4	32.0	22.6	72.2	5.4	12.9	60.8	11.0	8.6	66.1	33.5	
Mercury	0.18	0.81	0.73	0.092	0.12	0.017 U	0.078	0.017 U	0.047	0.11	0.041	0.017	0.021	0.050	0.017 U	0.14	0.022 U	0.020 U	0.018 U	0.15	0.020	

Notes
J : Sample result is greater than the MDL but below the CRDL
U : Indicates analyzed for but not detected.
¹ Trivalent chromium SCOs utilized.
Highlighted / bolded indicates analyte exceeded above its respective NYSDEC Unrestricted SCO.
Green / italicized value indictes analyte exceeded its repsective unrestricted SCO but was below its respective Residential / Protection of GW SCO, whichever is lower.
NA - Not Available

Indicates that sample locations were removed as part of supplemental soil excavation activities.

Table 6-12
TAL Metals Soil Analytical Data
FO-7 Original Sample Location - Post Excavation Data

TAL Metals (mg/kg)	NYSDEC SCOs		FO-7 Original Sample Location - RCRA Excavation				
			End Point Soil Samples				
			Side-wall Samples				Bottom Sample
	Unrestricted	Residential	FO-EP#8 (4')	FO-EP#9 (4')	FO-EP#10 (4')	FO-EP#11 (4')	FO-EP#7 (6')
Aluminum	NA	NA	6,970	4,990	880	7,510	3,090
Antimony	NA	NA	3.5 U	3.6 U	3.9 U	3.8 U	3.5 U
Arsenic	13	16	2.4 J	2.1 J	0.93 J	4.1	5.1
Barium	350	350	35.3	20.0 J	38.7 U	24.1 J	123
Beryllium	7.2	14	0.47	0.31 J	0.39 U	0.38	0.17 J
Cadmium	2.5	2.5	0.71 U	0.72 U	0.77 U	0.76 U	0.32 J
Calcium	NA	NA	595 J	523 J	179 J	888 J	377 J
Chromium ¹	30	36	10.2	15.9	1.5 J	15.1	6.4
Cobalt	NA	NA	8.4 J	4.3 J	9.7 U	8.3 J	2.1 J
Copper	50	270	6.4	43.5	1.8 J	7.2	7.8
Iron	NA	NA	10,900	9,520	2,870	19,400	5,490
Lead	63	400	4.1	3.2	1.1 J	4.9	3.9
Magnesium	NA	NA	1,490	969	178 J	1,340	495 J
Manganese	1,600	2,000	712	392	42.4	998	4,710
Nickel	30	140	9.0	7.7	1.4 J	9.1	14.9
Potassium	NA	NA	852 J	708 J	82.5 J	581 J	317 J
Selenium	3.9	36	3.5 U	3.6 U	3.9 U	3.8 U	3.5 U
Silver	2	36	1.8 U	1.8 U	1.9 U	1.9 U	1.8 U
Sodium	NA	NA	883 U	905 U	967 U	956 U	877 U
Thallium	NA	NA	3.5 U	3.6 U	3.9 U	3.8 U	3.1 J
Vanadium	NA	NA	11.6	11.0	2.1 J	17.1	6.2 J
Zinc	109	2,200	56.6	27.3	4.9 J	21.1	123
Mercury	0.18	0.81	0.018 U	0.018 U	0.018 U	0.015 J	0.020 U

Notes

J : Sample result is greater than the MDL but below the CRDL

U : Indicates analyzed for but not detected.

¹ Trivalent chromium SCOs utilized.

Green / italicized value indicates analyte exceeded its respective unrestricted SCO but was below its respective Residential / Protection of GW SCO, whichever is lower.

NA - Not Available



Table 6-13
TCL VOC Soil Analytical Data
Post-excavation End-point Soil Analytical Data - BLDG6-SB-2

TCL VOCs (mg/kg)	NYSDEC Unrestricted SCO	Post-excavation End-point Soil Analytical Data - BLDG6-SB-2				
		Bottom Samples		Sidewall Samples		
		FO-EP#17 (7')	FO-EP#18 (7')	FO-EP#19 (4')	FO-EP#20 (4')	FO-EP#21 (4')
1,1,1-Trichloroethane	0.68	0.00083 U	0.0011 U	0.00090 U	0.00094 U	0.00088 U
1,1,2,2-Tetrachloroethane	NA	0.00083 U	0.0011 U	0.00090 U	0.00094 U	0.00088 U
1,1,2-Trichloroethane	NA	0.00083 U	0.0011 U	0.00090 U	0.00094 U	0.00088 U
1,1-Dichloroethane	0.27	0.00083 U	0.0011 U	0.00090 U	0.00094 U	0.00088 U
1,1-Dichloroethene	0.33	0.00083 U	0.0011 U	0.00090 U	0.00094 U	0.00088 U
1,2,3-Trichlorobenzene	NA	0.00083 U	0.0011 U	0.00090 U	0.00094 U	0.00088 U
1,2,4-Trichlorobenzene	NA	0.00083 U	0.0011 U	0.00090 U	0.00094 U	0.00088 U
1,2-Dibromo-3-Chloropropane	NA	0.00083 U	0.0011 U	0.00090 U	0.00094 U	0.00088 U
1,2-Dibromoethane	NA	0.00083 U	0.0011 U	0.00090 U	0.00094 U	0.00088 U
1,2-Dichlorobenzene	1.1	0.00083 U	0.0011 U	0.00090 U	0.00094 U	0.00088 U
1,2-Dichloroethane	0.02	0.00083 U	0.0011 U	0.00090 U	0.00094 U	0.00088 U
1,2-Dichloropropane	NA	0.00083 U	0.0011 U	0.00090 U	0.00094 U	0.00088 U
1,3-Dichlorobenzene	2.4	0.00083 U	0.0011 U	0.00090 U	0.00094 U	0.00088 U
1,4-Dichlorobenzene	1.8	0.00083 U	0.00040 J	0.00090 U	0.00094 U	0.00088 U
1,4-Dioxane	0.1	0.017 U	0.021 U	0.018 U	0.019 U	0.018 U
2-Butanone (MEK)	0.12	0.0041 U	0.0053 U	0.0045 U	0.0047 U	0.0044 U
2-Hexanone	NA	0.0041 U	0.0053 U	0.0045 U	0.0047 U	0.0044 U
4-Methyl-2-pentanone	NA	0.0041 U	0.0053 U	0.00080 J	0.0047 U	0.0044 U
Acetone	0.05	0.0041 U	0.013 B	0.081 B	0.14 B	0.0044 U
Benzene	0.06	0.00083 U	0.0011 U	0.00090 U	0.00094 U	0.00088 U
Bromochloromethane	NA	0.00083 U	0.0011 U	0.00090 U	0.00094 U	0.00088 U
Bromodichloromethane	NA	0.00083 U	0.0011 U	0.00090 U	0.00094 U	0.00088 U
Bromoform	NA	0.00083 U	0.0011 U	0.00090 U	0.00094 U	0.00088 U
Bromomethane	NA	0.00083 U	0.0011 U	0.00090 U	0.00094 U	0.00088 U
Carbon disulfide	NA	0.00015 J	0.0011 U	0.00090 U	0.00094 U	0.00088 U
Carbon tetrachloride	0.76	0.00083 U	0.0011 U	0.00090 U	0.00094 U	0.00088 U
Chlorobenzene	1.1	0.00083 U	0.0011 U	0.00090 U	0.00094 U	0.00088 U
Chloroethane	NA	0.00083 U	0.0011 U	0.00090 U	0.00094 U	0.00088 U
Chloroform	0.37	0.00083 U	0.0011 U	0.00028 J	0.00094 U	0.00088 U
Chloromethane	NA	0.00083 U	0.0011 U	0.00090 U	0.00094 U	0.00088 U
cis-1,2-Dichloroethene	0.25	0.00083 U	0.0011 U	0.00090 U	0.00094 U	0.00088 U
cis-1,3-Dichloropropene	NA	0.00083 U	0.0011 U	0.00090 U	0.00094 U	0.00088 U
Cyclohexane	NA	0.00083 U	0.0011 U	0.00090 U	0.00094 U	0.00088 U
Dibromochloromethane	NA	0.00083 U	0.0011 U	0.00090 U	0.00094 U	0.00088 U
Dichlorodifluoromethane	NA	0.00083 U	0.0011 U	0.00090 U	0.00094 U	0.00088 U
Ethylbenzene	1	0.00083 U	0.0011 U	0.00090 U	0.00094 U	0.00088 U
Freon 113	NA	0.00083 U	0.0011 U	0.00090 U	0.00094 U	0.00088 U
Isopropylbenzene	NA	0.00083 U	0.0011 U	0.00090 U	0.00094 U	0.00088 U
m&p-Xylene	0.26	0.00083 U	0.0011 U	0.00090 U	0.00094 U	0.00088 U
Methyl acetate	NA	0.0022	0.0011 U	0.0042	0.00094 U	0.00088 U
Methylcyclohexane	NA	0.00083 U	0.0011 U	0.00090 U	0.00094 U	0.00088 U
Methylene Chloride	0.05	0.00049 J	0.00064 J	0.00016 J	0.00033 J	0.00089
MTBE	0.93	0.00083 U	0.0011 U	0.00090 U	0.00094 U	0.00088 U
Naphthalene	12	0.00083 U	0.0011 U	0.00090 U	0.00094 U	0.00088 U
o-Xylene	0.26	0.00083 U	0.0011 U	0.00090 U	0.00094 U	0.00088 U
Styrene	NA	0.00083 U	0.0011 U	0.00090 U	0.00094 U	0.00088 U
Tetrachloroethene	1.3	0.00075 J	0.00032 J	0.00056 J	0.0014	0.00058 J
Toluene	0.7	0.00083 U	0.0011 U	0.00090 U	0.00017 J	0.00029 J
trans-1,2-Dichloroethene	0.19	0.00083 U	0.0011 U	0.00090 U	0.00094 U	0.00088 U
trans-1,3-Dichloropropene	NA	0.00083 U	0.0011 U	0.00090 U	0.00094 U	0.00088 U
Trichloroethene	0.47	0.00083 U	0.0011 U	0.00090 U	0.00094 U	0.00088 U
Trichlorofluoromethane	NA	0.00083 U	0.0011 U	0.00090 U	0.00094 U	0.00088 U
Vinyl chloride	0.02	0.00083 U	0.0011 U	0.00090 U	0.00094 U	0.00088 U
Xylenes, Total	0.26	0.0017 U	0.0021 U	0.0018 U	0.0019 U	0.0018 U
VOC TICs						
TCT VOC TICs	NA	ND	ND	ND	0.012 J N	ND

Notes
ND: TIC not detected
J : Indicates an estimated value.
J N : Indicates an estimated value.
U : Analyzed for but not detected.
NA : Not Available



Table 6-14
TCL SVOC Soil Analytical Data
Post-excavation End-point Soil Analytical Data - BLDG6-SB-2

TCL SVOCs (mg/kg)	NYSDEC Unrestricted SCO	Post-excavation End-point Soil Analytical Data - BLDG6-SB-2				
		Bottom Samples		Sidewall Samples		
		FO-EP#17	FO-EP#18	FO-EP#19	FO-EP#20	FO-EP#21
		(7')	(7')	(4')	(4')	(4')
1,2,4,5-Tetrachlorobenzene	NA	0.39 U	0.41 U	0.74 U	0.38 U	0.38 U
1,4-Dioxane	0.1	0.39 U	0.41 U	0.74 U	0.38 U	0.38 U
2,2'-oxybis[1-chloropropane]	NA	0.39 U	0.41 U	0.74 U	0.38 U	0.38 U
2,3,4,6-Tetrachlorophenol	NA	0.39 U	0.41 U	0.74 U	0.38 U	0.38 U
2,4,5-Trichlorophenol	NA	0.39 U	0.41 U	0.74 U	0.38 U	0.38 U
2,4,6-Trichlorophenol	NA	0.39 U	0.41 U	0.74 U	0.38 U	0.38 U
2,4-Dichlorophenol	NA	0.39 U	0.41 U	0.74 U	0.38 U	0.38 U
2,4-Dimethylphenol	NA	0.39 U	0.41 U	0.74 U	0.38 U	0.38 U
2,4-Dinitrophenol	NA	1.2 U	1.3 U	2.2 U	1.2 U	1.1 U
2,4-Dinitrotoluene	NA	0.080 U	0.084 U	0.15 U	0.077 U	0.076 U
2,6-Dinitrotoluene	NA	0.080 U	0.084 U	0.15 U	0.077 U	0.076 U
2-Chloronaphthalene	NA	0.39 U	0.41 U	0.74 U	0.38 U	0.38 U
2-Chlorophenol	NA	0.39 U	0.41 U	0.74 U	0.38 U	0.38 U
2-Methylnaphthalene	NA	0.39 U	0.41 U	0.74 U	0.38 U	0.38 U
2-Methylphenol	0.33	0.39 U	0.41 U	0.74 U	0.38 U	0.38 U
2-Nitroaniline	NA	0.80 U	0.84 U	1.5 U	0.77 U	0.76 U
2-Nitrophenol	NA	0.39 U	0.41 U	0.74 U	0.38 U	0.38 U
3,3'-Dichlorobenzidine	NA	0.80 U	0.84 U	1.5 U	0.77 U	0.76 U
3-Nitroaniline	NA	0.80 U	0.84 U	1.5 U	0.77 U	0.76 U
4,6-Dinitro-2-methylphenol	NA	1.2 U	1.3 U	2.2 U	1.2 U	1.1 U
4-Bromophenyl phenyl ether	NA	0.39 U	0.41 U	0.74 U	0.38 U	0.38 U
4-Chloro-3-methylphenol	NA	0.39 U	0.41 U	0.74 U	0.38 U	0.38 U
4-Chloroaniline	NA	0.39 U	0.41 U	0.74 U	0.38 U	0.38 U
4-Chlorophenyl phenyl ether	NA	0.39 U	0.41 U	0.74 U	0.38 U	0.38 U
4-Methylphenol	0.33	0.39 U	0.41 U	0.74 U	0.38 U	0.38 U
4-Nitroaniline	NA	0.80 U	0.84 U	1.5 U	0.77 U	0.76 U
4-Nitrophenol	NA	1.2 U	1.3 U	2.2 U	1.2 U	1.1 U
Acenaphthene	20	0.39 U	0.41 U	0.74 U	0.38 U	0.38 U
Acenaphthylene	100	0.39 U	0.41 U	0.74 U	0.38 U	0.38 U
Acetophenone	NA	0.39 U	0.41 U	0.74 U	0.38 U	0.38 U
Anthracene	100	0.39 U	0.41 U	0.74 U	0.38 U	0.38 U
Atrazine	NA	0.39 U	0.41 U	0.74 U	0.38 U	0.38 U
Benzaldehyde	NA	0.39 U	0.41 U	0.74 U	0.38 U	0.38 U
Benzo[a]anthracene	1	0.061	0.041 U	0.43	0.038 U	0.038 U
Benzo[a]pyrene	1	0.070	0.041 U	0.44	0.038 U	0.038 U
Benzo[b]fluoranthene	1	0.083	0.041 U	0.45	0.038 U	0.038 U
Benzo[g,h,i]perylene	100	0.063 J	0.41 U	0.39 J	0.38 U	0.38 U
Benzo[k]fluoranthene	0.8	0.039	0.041 U	0.18	0.038 U	0.038 U
Bis(2-chloroethoxy)methane	NA	0.39 U	0.41 U	0.74 U	0.38 U	0.38 U
Bis(2-chloroethyl)ether	NA	0.039 U	0.041 U	0.074 U	0.038 U	0.038 U
Bis(2-ethylhexyl) phthalate	NA	0.39 U	0.41 U	0.74 U	0.38 U	0.38 U
Butyl benzyl phthalate	NA	0.39 U	0.41 U	0.74 U	0.38 U	0.38 U
Caprolactam	NA	0.39 U	0.41 U	0.74 U	0.38 U	0.38 U
Carbazole	NA	0.39 U	0.41 U	0.74 U	0.38 U	0.38 U
Chrysene	1	0.076 J	0.41 U	0.44 J	0.38 U	0.38 U
Dibenz(a,h)anthracene	0.33	0.039 U	0.041 U	0.075	0.038 U	0.038 U
Dibenzofuran	7	0.39 U	0.41 U	0.74 U	0.38 U	0.38 U
Diethyl phthalate	NA	0.39 U	0.41 U	0.74 U	0.38 U	0.38 U
Dimethyl phthalate	NA	0.39 U	0.41 U	0.74 U	0.38 U	0.38 U
Di-n-butyl phthalate	NA	0.39 U	0.41 U	0.74 U	0.38 U	0.38 U
Di-n-octyl phthalate	NA	0.39 U	0.41 U	0.74 U	0.38 U	0.38 U
Diphenyl	NA	0.39 U	0.41 U	0.74 U	0.38 U	0.38 U
Fluoranthene	100	0.10 J	0.41 U	0.70 J	0.38 U	0.38 U
Fluorene	30	0.39 U	0.41 U	0.74 U	0.38 U	0.38 U
Hexachlorobenzene	0.33	0.039 U	0.041 U	0.074 U	0.038 U	0.038 U
Hexachlorobutadiene	NA	0.080 U	0.084 U	0.15 U	0.077 U	0.076 U
Hexachlorocyclopentadiene	NA	0.39 U	0.41 U	0.74 U	0.38 U	0.38 U
Hexachloroethane	NA	0.039 U	0.041 U	0.074 U	0.038 U	0.038 U
Indeno[1,2,3-cd]pyrene	0.5	0.052	0.041 U	0.36	0.038 U	0.038 U
Isophorone	NA	0.39 U	0.41 U	0.74 U	0.38 U	0.38 U
Naphthalene	12	0.39 U	0.41 U	0.74 U	0.38 U	0.38 U
Nitrobenzene	NA	0.039 U	0.041 U	0.074 U	0.038 U	0.038 U
N-Nitrosodi-n-propylamine	NA	0.039 U	0.041 U	0.074 U	0.038 U	0.038 U
N-Nitrosodiphenylamine	NA	0.39 U	0.41 U	0.74 U	0.38 U	0.38 U
Pentachlorophenol	0.8	1.2 U	1.3 U	2.2 U	1.2 U	1.1 U
Phenanthrene	100	0.053 J	0.41 U	0.33 J	0.38 U	0.38 U
Phenol	0.33	0.39 U	0.41 U	0.74 U	0.38 U	0.38 U
Pyrene	100	0.11 J	0.41 U	0.64 J	0.38 U	0.38 U
Pyridine	NA	0.39 U	0.41 U	0.74 U	0.38 U	0.38 U
SVOC TICs						
TCL SVOCs TICs	NA	ND	ND	ND	ND	ND

Notes
ND: TIC not detected
J : This flag indicates the presumptive evidence of a compound.
J N : Indicates an estimated value.
U : Analyzed for but not detected.



Table 6-15
TAL Metals Soil Analytical Data
Post-excavation End-point Soil Analytical Data - BLDG6-SB-2

TAL Metals (mg/kg)	NYSDEC SCOs				Post-excavation End-point Soil Analytical Data									
					BLDG6-SB-2									
					Bottom Samples		Sidewall Samples			Supp. SW Sample	Supplemental Sidewall Samples		Supplemental Sidewall Samples	
	Unrestricted	Residential	Restricted Residential	Protection of Groundwater	FO-EP#17	FO-EP#18	FO-EP#19	FO-EP#20	FO-EP#21	FO-EP#26	FO-EP#27	FO-EP#28	FO-EP#29	FO-EP#30
					(7')	(7')	(4')	(4')	(4')	(4')	(5')	(5')	(5')	(5')
Aluminum	NA	NA	NA	NA	8,950	2,510	7,180	10,300	11,100	5,240	5,980	6,260	3,670	3,280
Antimony	NA	NA	NA	NA	3.4 U	4.3 U	3.6 U	3.7 U	3.7 U	3.5 U	3.9 U	4.1 U	4.7 U	4.2 U
Arsenic	13	16	16	16	2.6	2.0 J	5.9	2.2 J	3.7	2.8	5.5	6.0	0.74 J	1.5 J
Barium	350	350	400	820	35.6	13.4 J	38.7	36.2 J	18.8 J	38.1	48.1	48.2	15.8 J	14.2 J
Beryllium	7.2	14	72	47	0.42	0.21 J	0.31 J	0.45	0.42	0.29 J	0.29 J	0.33 J	0.14 J	0.12 J
Cadmium	2.5	2.5	4.3	7.5	0.68 U	0.86 U	0.42 J	0.74 U	0.75 U	0.60 J	0.96	0.79 J	0.95 U	0.84 U
Calcium	NA	NA	NA	NA	995	247 J	7,910	619 J	994	4,240	6,270	21,700	26,400	23,500
Chromium ¹	30	36	180	NS	15.6	9.3	28.2	16.0	37.0	21.2	22.6	18.6	12.5	11.3
Cobalt	NA	NA	NA	NA	3.8 J	3.8 J	5.8 J	3.9 J	7.8 J	4.3 J	5.4 J	4.9 J	1.9 J	1.7 J
Copper	50	270	270	1,720	5.5	4.7 J	37.6	4.5 J	11.4	44.2	46.7	41.0	5.8 J	5.2 J
Iron	NA	NA	NA	NA	11,700	12,900	16,900	12,000	26,300	13,200	13,700	13,600	5,290	4,720
Lead	63	400	400	450	15.5	9.7	50.8	6.6	6.7	74.2	357	59.1	9.8	9.0
Magnesium	NA	NA	NA	NA	1,840	309 J	4,380	1,760	4,550	2,310	4,100	11,200	1,710	1,530
Manganese	1,600	2,000	2,000	2,000	210	344	247	91.9	287	252	301	277	99.2	88.5
Nickel	30	140	310	130	9.7	4.1 J	10.7	9.7	14.9	8.4	11.7 B	9.8 B	5.2 J	4.7 J
Potassium	NA	NA	NA	NA	376 J	207 J	560 J	280 J	496 J	362 J	442 J	586 J	214 J	192 J
Selenium	3.9	36	180	4	3.4 U	4.3 U	3.6 U	3.7 U	3.7 U	0.84 J	3.9 U	4.1 U	4.7 U	4.2 U
Silver	2	36	180	8.3	1.7 U	2.1 U	15.0	1.9 U	1.9 U	16.7	24.0	19.0	1.6 J	1.4 J
Sodium	NA	NA	NA	NA	850 U	1,070 U	314 J	184 J	935 U	280 J	128 J	263 J	1,180 U	1,060 U
Thallium	NA	NA	NA	NA	3.4 U	4.3 U	3.6 U	3.7 U	3.7 U	3.5 U	3.9 U	4.1 U	4.7 U	4.2 U
Vanadium	NA	NA	NA	NA	16.1	6.6 J	44.3	17.9	33.3	30.5	31.6	36.8	10.4 J	9.4 J
Zinc	109	2,200	10,000	2,480	25.8	8.0	65.8	24.0	26.0	108	68.8	63.2	21.0	18.8
Mercury	0.18	0.81	0.81	0.73	0.046	0.023	0.076	0.029	0.031	0.18	0.018 U	0.019 U	0.022	0.063

Notes
J : Sample result is greater than the MDL but below the CRDL
U : Indicates analyzed for but not detected.
¹ Trivalent chromium SCOs utilized.
Highlighted / bolded indicates analyte exceeded above its respective NYSDEC Unrestricted SCO.
Highlighted / bolded indicates analyte exceeded above its respective NYSDEC Unrestricted SCO.
Green / italicized value indicates analyte exceeded its respective unrestricted SCO but was below its respective Residential / Protection of GW SCO, whichever is lower.
Blue / italicized value indicates analyte exceeded its respective Residential SCO and / or Protection of Groundwater SCO but was below its Restricted Residential SCO.
NA - Not Available
BD : Blind Duplicate

Indicates that sample locations were removed as part of supplemental soil excavation activities.



Table 6-16
TCL SVOCs Soil Analytical Data
SL-1 Original Sample Location - Post Excavation Data

TCL SVOCs (mg/kg)	NYSDEC Unrestricted SCO	SL-1 Original Sample Location - Post Excavation Data				
		End-Point Soil Samples				
		Side-wall Samples				Bottom Sample
		SL-EP#13 (4')	SL-EP#14 (4')	SL-EP#15 (4')	SL-EP#16 (4')	SL-EP#12 (7')
1,2,4,5-Tetrachlorobenzene	NA	3.6 U	2.0 U	1.8 U	7.1 U	1.9 U
1,4-Dioxane	0.1	3.6 U	2.0 U	1.8 U	7.1 U	1.9 U
2,2'-oxybis[1-chloropropane]	NA	3.6 U	2.0 U	1.8 U	7.1 U	1.9 U
2,3,4,6-Tetrachlorophenol	NA	3.6 U	2.0 U	1.8 U	7.1 U	1.9 U
2,4,5-Trichlorophenol	NA	3.6 U	2.0 U	1.8 U	7.1 U	1.9 U
2,4,6-Trichlorophenol	NA	3.6 U	2.0 U	1.8 U	7.1 U	1.9 U
2,4-Dichlorophenol	NA	3.6 U	2.0 U	1.8 U	7.1 U	1.9 U
2,4-Dimethylphenol	NA	3.6 U	2.0 U	1.8 U	7.1 U	1.9 U
2,4-Dinitrophenol	NA	11 U	6.2 U	5.4 U	22 U	5.7 U
2,4-Dinitrotoluene	NA	0.72 U	0.41 U	0.36 U	1.4 U	0.39 U
2,6-Dinitrotoluene	NA	0.72 U	0.41 U	0.36 U	1.4 U	0.39 U
2-Chloronaphthalene	NA	3.6 U	2.0 U	1.8 U	7.1 U	1.9 U
2-Chlorophenol	NA	3.6 U	2.0 U	1.8 U	7.1 U	1.9 U
2-Methylnaphthalene	NA	3.6 U	2.0 U	1.8 U	7.1 U	1.9 U
2-Methylphenol	0.33	3.6 U	2.0 U	1.8 U	7.1 U	1.9 U
2-Nitroaniline	NA	7.2 U	4.1 U	3.6 U	14 U	3.9 U
2-Nitrophenol	NA	3.6 U	2.0 U	1.8 U	7.1 U	1.9 U
3,3'-Dichlorobenzidine	NA	7.2 U	4.1 U	3.6 U	14 U	3.9 U
3-Nitroaniline	NA	7.2 U	4.1 U	3.6 U	14 U	3.9 U
4,6-Dinitro-2-methylphenol	NA	11 U	6.2 U	5.4 U	22 U	5.7 U
4-Bromophenyl phenyl ether	NA	3.6 U	2.0 U	1.8 U	7.1 U	1.9 U
4-Chloro-3-methylphenol	NA	3.6 U	2.0 U	1.8 U	7.1 U	1.9 U
4-Chloroaniline	NA	3.6 U	2.0 U	1.8 U	7.1 U	1.9 U
4-Chlorophenyl phenyl ether	NA	3.6 U	2.0 U	1.8 U	7.1 U	1.9 U
4-Methylphenol	0.33	3.6 U	2.0 U	1.8 U	7.1 U	1.9 U
4-Nitroaniline	NA	7.2 U	4.1 U	3.6 U	14 U	3.9 U
4-Nitrophenol	NA	11 U	6.2 U	5.4 U	22 U	5.7 U
Acenaphthene	20	3.6 U	2.0 U	1.8 U	7.1 U	1.9 U
Acenaphthylene	100	0.18 J	2.0 U	0.046 J	7.1 U	1.9 U
Acetophenone	NA	3.6 U	2.0 U	1.8 U	7.1 U	1.9 U
Anthracene	100	0.35 J	2.0 U	0.23 J	7.1 U	0.082 J
Atrazine	NA	3.6 U	2.0 U	1.8 U	7.1 U	1.9 U
Benzaldehyde	NA	3.6 U	2.0 U	1.8 U	7.1 U R	1.9 U
Benzo[a]anthracene	1	1.3	0.18 J	0.80	0.71 U	0.50
Benzo[a]pyrene	1	1.2	0.21	0.88	0.39 J	0.48
Benzo[b]fluoranthene	1	1.2	0.24	1.1	0.40 J	0.51
Benzo[g,h,i]perylene	100	0.83 J	0.16 J	0.67 J	0.63 J	0.38 J
Benzo[k]fluoranthene	0.8	0.49	0.10 J	0.54	0.25 J	0.24
Bis(2-chloroethoxy)methane	NA	3.6 U	2.0 U	1.8 U	7.1 U	1.9 U
Bis(2-chloroethyl)ether	NA	0.36 U	0.20 U	0.18 U	0.71 U	0.19 U
Bis(2-ethylhexyl) phthalate	NA	3.6 U	2.0 U	1.8 U	7.1 U	1.9 U
Butyl benzyl phthalate	NA	3.6 U	2.0 U	1.8 U	7.1 U	1.9 U
Caprolactam	NA	3.6 U	2.0 U	1.8 U	7.1 U	1.9 U
Carbazole	NA	3.6 U	2.0 U	0.084 J	7.1 U	1.9 U
Chrysene	1	1.8 J	0.23 J	0.91 J	0.45 J	0.51 J
Dibenz(a,h)anthracene	0.33	0.36 U	0.20 U	0.16 J	0.71 U	0.19 U
Dibenzofuran	7	3.6 U	2.0 U	1.8 U	7.1 U	1.9 U
Diethyl phthalate	NA	3.6 U	2.0 U	1.8 U	7.1 U	1.9 U
Dimethyl phthalate	NA	3.6 U	2.0 U	1.8 U	7.1 U	1.9 U
Di-n-butyl phthalate	NA	3.6 U	2.0 U	1.8 U	7.1 U	1.9 U
Di-n-octyl phthalate	NA	3.6 U	2.0 U	1.8 U	7.1 U	1.9 U
Diphenyl	NA	3.6 U	2.0 U	1.8 U	7.1 U	1.9 U
Fluoranthene	100	2.0 J	0.26 J	1.4 J	0.57 J	0.69 J
Fluorene	30	3.6 U	2.0 U	0.073 J	7.1 U	1.9 U
Hexachlorobenzene	0.33	0.36 U	0.20 U	0.18 U	0.71 U	0.19 U
Hexachlorobutadiene	NA	0.72 U	0.41 U	0.36 U	1.4 U	0.39 U
Hexachlorocyclopentadiene	NA	3.6 U	2.0 U	1.8 U	7.1 U	1.9 U
Hexachloroethane	NA	0.36 U	0.20 U	0.18 U	0.71 U	0.19 U
Indeno[1,2,3-cd]pyrene	0.5	0.65	0.13 J	0.62	0.34 J	0.30
Isophorone	NA	3.6 U	2.0 U	1.8 U	7.1 U	1.9 U
Naphthalene	12	3.6 U	2.0 U	0.048 J	7.1 U	1.9 U
Nitrobenzene	NA	0.36 U	0.20 U	0.18 U	0.71 U	0.19 U
N-Nitrosodi-n-propylamine	NA	0.36 U	0.20 U	0.18 U	0.71 U	0.19 U
N-Nitrosodiphenylamine	NA	3.6 U	2.0 U	1.8 U	7.1 U	1.9 U
Pentachlorophenol	0.8	11 U	6.2 U	5.4 U	22 U	5.7 U
Phenanthrene	100	1.3 J	0.13 J	0.88 J	0.31 J	0.35 J
Phenol	0.33	3.6 U	2.0 U	1.8 U	7.1 U	1.9 U
Pyrene	100	2.9 J	0.32 J	1.5 J	0.70 J	0.91 J
Pyridine	NA	3.6 U	2.0 U	1.8 U	7.1 U	1.9 U
SVOC TICs						
Ethane, 1,1,2,2-tetrachloro-	NA	ND	0.96 J N	ND	ND	ND



Table 6-17
TAL Metals Soil Analytical Data
SL-1 Original Sample Location - Post Excavation Data

	NYSDEC SCOs				SL-1 Original Sample Location - Post Excavation Data																	
					End-Point Soil Samples						Supplemental Endpoint Samples						Supplemental Endpoint Samples					
					Side-wall Samples			Bottom Samples			Side-wall Samples			Bottom Sample			Side-wall Samples			Bottom Samples		
TAL Metals (mg/kg)	Unrestricted	Residential	Restricted Residential	Protection of Groundwater	SL-EP#13 (4)	SL-EP#14 (4)	SL-EP#15 (4)	SL-EP#16 (4)	SL-EP#17 (7)	UNKUST-2-1 (8)	UNKUST-2-2 (8)	SL-EP#192 (4)	SL-EP#193 (4)	SL-EP#191 (8)	SL-EP#213 (4)	SL-EP#214 (4)	SL-EP#215 (4)	SL-EP#216 (4)	SL-EP#211 (11)	SL-EP#212 (11)	UNKUST 2-3 (11)	UNKUST 2-4 (11)
Aluminum	NA	NA	NA	NA	1,970	9,960	5,100	4,390	7,370	3,780	4,360	4,640	4,640	5,340	6,010	5,350	6,000	4,370	559	7,560	458	3,660
Antimony	NA	NA	NA	NA	4.1 U	4.5 U	3.7 U	4.3 U	4.4 U	4.6 U	3.6 U	3.8 U	3.6 U	3.5 U	4.1 U	4.0 U	4.1 U	4.6 U	4.1 U	4.2 U	3.7 U	4.5 U
Arsenic	13	16	16	16	4.6	3.1 J	2.7 J	2.4 J	3.4	1.7 J	1.6 J	3.5	2.3 J	3.3	2.9 J	3.3	3.6	1.7 J	3.1 U	3.7	2.7 U	1.2 J
Barium	350	350	400	820	14.1 J	80.4	41.9	53.0	58.7	34.5 J	27.1 J	49.6	32.9 J	40.2	49.4	39.1 J	41.5	30.7 J	3.2 J	79.8	1.5 J	38.0 J
Beryllium	7.2	14	72	47	0.16 J	0.69	0.33 J	0.23 J	0.44	0.25 J	0.23 J	0.27 J	0.30 J	0.31 J	0.42	0.31 J	0.49	0.23 J	0.050 J	0.37 J	0.029 J	0.19 J
Cadmium	2.5	2.5	4.3	7.5	0.87	2.8	0.26 J	0.45 J	2.2	3.8	0.21 J	5.4	0.38 J	0.65 J	0.50 J	0.68 J	0.61 J	0.12 J	0.13 J	1.6	0.73 U	1.3
Calcium	NA	NA	NA	NA	149,000	10,800	6,110	403 J	22,000	4,100	968	6,520	6,590	15,600	6,060	6,930	6,230	1,350	109 J	1,570	64.9 J	9,030
Chromium ¹	30	36	180	NS	5.1	21.4	12.1	12.5	16.5	10.3	12.6	13.6	11.1	13.0	15.0	13.3	23.2	10.5	2.6	20.8	1.7 J	10.3
Cobalt	NA	NA	NA	NA	1.6 J	8.5 J	3.4 J	3.8 J	5.5 J	3.3 J	2.9 J	3.7 J	3.6 J	4.5 J	4.3 J	5.3 J	5.3 J	2.8 J	0.31 J	6.7 J	9.1 U	2.9 J
Copper	50	270	270	1,720	16.1	27.8	117	60.9	23.9	32.4	13.6	39.2	20.5	22.5	21.3	22.8	25.7	55.9	5.1 U	22.9	4.6 U	51.8
Iron	NA	NA	NA	NA	4,020	19,300	6,650	6,250	19,400	7,840	11,600	9,130	9,880	12,300	19,800	16,700	19,700	7,870	1,520	17,200	1,070	6,120
Lead	63	400	400	450	45.2	21.3	21.8	60.8	16.9	25.9	10	20.6	16.9	20.7	14.3	32.6	20.5	14.4	0.96 J	18.3	0.70 J	17.0
Magnesium	NA	NA	NA	NA	84,000	7,420	4,950	965 J	19,700	1,530	917 J	3,490	5,190	9,740	4,790	3,730	4,100	1,210	94.6 J	3,180	49.6 J	3,540
Manganese	1,600	2,000	2,000	2,000	174	502	422	951	447	558	792	361	368	493	367	506	478	369	59.8	1050	27.2	554
Nickel	30	140	310	130	5.2 J	19.7	8.2	8.8	12.7	6.8 J	9.3	10.2	8.0	8.8	11.2	10.0	11.2	6.1 J	1.0 J	16.0	0.81 J	6.8 J
Potassium	NA	NA	NA	NA	287 J	2,290	380 J	328 J	1,680	322 J	282 J	660 J	730 J	723 J	1,700	694 J	1,000 J	319 J	70.6 J	2,010	38.8 J	430 J
Selenium	3.9	36	180	4	4.1 U	4.5 U	3.7 U	4.3 U	4.4 U	4.6 U	1.0 J	3.8 U	3.6 U	3.5 U	4.1 U	4.0 U	4.1 U	4.6 U	4.1 U	4.2 U	3.7 U	4.5 U
Silver	2	36	180	8.3	17.9	9.6	5.6	5.0	13.3	17.3	2.3	207	4.0	17.0	6.2	14.5	6.6	2.1 J	2.0 U	0.38 J	1.8 U	9.8
Sodium	NA	NA	NA	NA	126 J	104 J	917 U	1,080 U	1,090 U	1,140 U	905 U	945 U	902 U	67.4 J	1,020 U	996 U	1,030 U	1,140 U	1,020 U	92.4 J	915 U	1,120 U
Thallium	NA	NA	NA	NA	4.1 U	4.5 U	3.7 U	4.3 U	4.4 U	4.6 U	3.6 U	3.8 U	3.6 U	3.5 U	4.1 U	4.0 U	4.1 U	4.6 U	4.1 U	1.1 J	3.7 U	4.5 U
Vanadium	NA	NA	NA	NA	9.6 J	24.0	11.2	9.6 J	19.6	10.8 J	10.4	13.8	13.1	16.5	19.7	16.5	20.8	10.9 J	2.8 J	23.4	1.6 J	11.7
Zinc	109	2,200	10,000	2,480	41.6	75.9	195	136	75.7	98.8	50.9	95.7	41.7	58.0	65.9	50.3	60.2	112	7.0	133	6.9	91.8
Mercury	0.18	0.81	0.81	0.73	6.051	6.044	6.028	6.019 U	6.037	6.14	6.028	6.016 J	6.054	6.041	6.048	6.043	6.042	0.050	0.019 U	0.024	6.017 U	6.043

TAL Metals (mg/kg)	NYSDEC SCOs				SL-1 Original Sample Location - Post Excavation Data									
					End-Point Soil Samples									
					Co-located Bottom and Sidewall Samples									
	Unrestricted	Residential	Restricted Residential	Protection of Groundwater	SL-EP#324 (13)	SL-EP#325 (13)	SL-EP#326 (13)	SL-EP#327 (13)	SL-EP#328 (4)	SL-EP#329 (4)	SL-EP#330 (8)	SL-EP#330 (4)	SL-EP#331 (8)	SL-EP#331 (4)
Aluminum	NA	NA	NA	NA	6,510	666	397	603	5,130	6,720	2,980	8,110	4,770	7,670
Antimony	NA	NA	NA	NA	4.6 U	3.9 U	4.7 U	3.8 U	4.3 U	4.3 U	4.2 U	4.1 U	4.4 U	4.1 U
Arsenic	13	16	16	16	1.6 J	1.2 J	3.5 U	2.9 U	2.6 J	3.0 J	3.2 U	2.9 J	2.6 J	3.3
Barium	350	350	400	820	37.2 J	10.2 J	46.8 U	2.7 J	36.9 J	51.6	16.2 J	74.2	32.8 J	49.3
Beryllium	7.2	14	72	47	0.41 J	0.39 U	0.47 U	0.38 U	0.43 U	0.32 J	0.39 J	0.42 U	0.44 U	0.31 J
Cadmium	2.5	2.5	4.3	7.5	2.5	0.79 U	0.94 U	0.76 U	1.8	1.3	0.49 J	0.83 U	0.94	0.82 U
Calcium	NA	NA	NA	NA	1,310	87 J	1,170 U	953 U	6,380	7,520	577 J	3,830	7,240	7,120
Chromium ¹	30	36	180	NS	17.1	4.2	1.2 J	2.5	13.0	17.2	8.6	17.8	12.1	20.0
Cobalt	NA	NA	NA	NA	4.5 J	9.8 U	11.7 U	9.5 U	4.8 J	5.2 J	3.0 J	7.3 J	4.0 J	7.5 J
Copper	50	270	270	1,720	14.9	4.9 U	5.9 U	4.8 U	19.8	24.9	3.2 J	20.0	13.7	20.1
Iron	NA	NA	NA	NA	8,140	2,940	357	941	12,300	13,100	4,270	14,000	10,600	15,200
Lead	63	400	400	450	10.6	0.98 J	1.1 J	1.5 J	18.6	20.6	3.6	17.8	13.6	17.9
Magnesium	NA	NA	NA	NA	1,930	110 J	1,170 U	953 U	4,220	5,440	927 J	3,290	4,930	5,630
Manganese	1,600	2,000	2,000	2,000	108	393	7.7	35.8	453	434	76.4	640	478	679
Nickel	30	140	310	130	12.3	7.9 U	9.4 U	7.6 U	11.6	12.0	5.5 J	14.9	8.2 J	12.8
Potassium	NA	NA	NA	NA	1,030 J	87 J	37 J	45 J	674 J	1,040 J	423 J	1,630	699 J	958 J
Selenium	3.9	36	180	4	4.6 U	3.9 U	4.7 U	3.8 U	4.3 U	4.3 U	4.2 U	4.1 U	4.4 U	4.1 U
Silver	2	36	180	8.3	2.1 J	2.0 U	2.3 U	1.9 U	11.8	12.9	2.1 U	4.6	7.9	6.8
Sodium	NA	NA	NA	NA	1,160 U	981 U	1,170 U	953 U	1,070 U	1,070 U	1,050 U	106 J	1,100 U	98.3 J
Thallium	NA	NA	NA	NA	4.6 U	3.9 U	4.7 U	3.8 U	4.3 U	4.3 U	4.2 U	4.1 U	4.4 U	4.1 U
Vanadium	NA	NA	NA	NA	21.6	2.0 J	11.7 U	1.1 J	15.9	18.7	7.1 J	22.1	13.9	22.2
Zinc	109	2,200	10,000	2,480	55.0	69.8	5.6 J	26.1	53.6	76.3	91.0	48.1	46.2	68.1
Mercury	0.18	0.81	0.81	0.73	0.026	0.018 U	0.021 U	0.017 U	0.049	0.11	0.020 U	0.053	0.027	0.039

Notes:
J : Sample result is greater than the MDL but below the CRDL
U : Indicates analyzed for but not detected.
¹ Trivalent chromium SCOs utilized.
Highlighted / bolded indicates analyte exceeded above its respective NYSDEC Unrestricted SCO.
Highlighted / bolded indicates analyte exceeded above its respective NYSDEC Unrestricted SCO.
Green / italicized value indicates analyte exceeded its respective unrestricted SCO but was below its respective Residential / Protection of GW SCO, whichever is lower.
Blue / italicized value indicates analyte exceeded its respective Residential SCO and / or Protection of Groundwater SCO but was below its Restricted Residential SCO.
NA - Not Available
Indicates that sample locations were removed as part of supplemental soil excavation activities.
NYSDEC did not require the latest round of samples to be analyzed for TCL SVOCs

Table 6-18
TAL Metals Soil Analytical Data
SL-2 Original Sample Location - Post Excavation Data

TAL Metals (mg/kg)	NYSDEC SCOs			SL-2 Original Sample Location - Post Excavation Data																	
				End-Point Soil Samples										Supplemental Endpoint Samples							
				Side-wall Samples					Bottom Samples		Side-wall Samples			Bottom Sample	Side-wall Samples					Bottom Samples	
	Unrestricted	Residential	Protection of Groundwater	SL-EP#105 (1)	SL-EP#106 (2)	SL-EP#107 (1)	SL-EP#108 (2)	SL-EP#109 (1)	SL-EP#110 (2)	SL-EP#103 (5)	SL-EP#104 (6)	SL-EP#188 (2)	SL-EP#189 (2)	SL-EP#190 (2)	SL-EP#187 (2)	SL-EP#219 (2)	SL-EP#220 (2)	SL-EP#221 (2)	SL-EP#222 (2)	SL-EP#217 (2)	SL-EP#218 (2)
Aluminum	NA	NA	NA	1,560	5,090	5,240	6,500	17,100	2,330	5,940	2,050	5,580	4,750	1,080	5,630	19,000	6,020	6,630	9,520	3,740	4,410
Antimony	NA	NA	NA	3.7 U	3.2 U	3.2 U	3.5 U	3.4 U	3.0 U	3.4 U	3.6 U	4.0 U	3.7 U	4.1 U	3.2 U	5.4 U	4.0 U	4.0 U	4.1 U	4.1 U	4.1 U
Arsenic	13	16	16	1.0 J	1.9 J	2.7	2.8	4.3	0.74 J	1.3 J	0.90 J	2.6 J	2.1 J	3.1 U	2.7	4.1	4.4	3.3	2.2 J	1.5 J	1.0 J
Barium	350	350	820	7.3 J	12.6 J	23.6 J	29.4 J	60.6	9.8 J	42.3	7.0 J	21.0 J	20.5 J	3.5 J	27.3 J	147	31.0 J	31.4 J	21.5 J	14.9 J	16.0 J
Beryllium	7.2	14	47	0.37 U	0.16 J	0.28 J	0.34 J	0.53	0.12 J	0.32 J	0.13 J	0.18 J	0.33 J	0.41 U	0.25 J	1.2	0.37 J	0.35 J	0.40 J	0.25 J	0.26 J
Cadmium	2.5	2.5	7.5	0.31 J	2.3	0.22 J	0.69 U	0.69 U	0.26 J	0.68 U	0.40 J	0.15 J	0.35 J	0.51 J	0.61 J	1.1 U	0.28 J	0.79 U	0.81 U	18.3	2.6
Calcium	NA	NA	NA	3,160	18,900	42,400	6,470	1,680	783	564 J	163 J	7,970	5,370	162 J	46,600	9,580	11,400	3,640	779 J	481 J	297 J
Chromium ¹	30	36	NS	2.4	5.2	9.6	12.9	31.5	4.5	11.8	3.2	13.0	9.3	2.4	13.6	37.0	12.5	14.1	14.1	8.6	9.0
Cobalt	NA	NA	NA	1.0 J	2.5 J	3.6 J	4.2 J	7.5 J	1.8 J	6.1 J	1.1 J	3.7 J	3.4 J	1.1 J	4.0 J	15.2	6.6 J	4.2 J	4.5 J	3.4 J	2.7 J
Copper	50	270	1,720	3.6 J	7.9	15.7	19.3	17.2	5.2	7.6	2.4 J	19.9	10.3	1.6 J	20.0	39.6	16.2	9.8	7.6	5.9	6.0
Iron	NA	NA	NA	1,890	5,020	9,170	11,900	24,900	4,150	12,100	4,360	9,600	6,560	2,460	12,300	34,700	14,100	11,900	11,500	9,520	6,840
Lead	63	400	450	2.7	6.3	15.5	23.7	11.7	6.5	3.9	1.7 J	18.4	10.8	0.91 J	24.1	16.8	17.7	14.0	5.1	3.3	3.3
Magnesium	NA	NA	NA	788 J	10,900	22,200	5,140	4,320	845	1,980	321 J	5,290	5,140	599 J	29,100	9,270 J	6,690	3,100	2,110	755 J B	735 J B
Manganese	1,600	2,000	2,000	64.6	144	347	287	193	106	167	110	210	229	59.1	220	484	438	266	173	531	353
Nickel	30	140	130	1.8 J	4.0 J	6.3 J	7.9	16.9	2.9 J	11.7	2.2 J	7.7 J	5.6 J	2.1 J	8.2	32.8	8.8	8.9	9.3	5.3 J	5.6 J
Potassium	NA	NA	NA	232 J	379 J	519 J	583 J	2,140	241 J	1070	205 J	581 J	453 J	83.2 J	823	5,700 J	563 J	477 J	731 J	376 J	516 J
Selenium	3.9	36	4	3.7 U	3.2 U	3.2 U	3.5 U	3.4 U	3.0 U	3.4 U	3.6 U	4.0 U	3.7 U	4.1 U	3.2 U	5.4 U	4.0 U	4.0 U	4.1 U	4.1 U	4.1 U
Silver	2	36	8.3	3.3	13.7	8.4	10.8	1.1 J	18.8	1.7 U	34.2	24.6	25.1	1.9 J	18.4	2.7 U	8.5	0.26 J	2.0 U	2.0 U	0.66 J B
Sodium	NA	NA	NA	918 U	812 U	804 U	868 U	74 J	747 U	847 U	893 U	990 U	914 U	1,020 U	78.6 J	197 J	998 U	992 U	1,020 U	1,020 U	1,030 U
Thallium	NA	NA	NA	3.7 U	3.2 U	3.2 U	3.5 U	3.4 U	3.0 U	3.4 U	3.6 U	4.0 U	3.7 U	4.1 U	3.2 U	5.4 U	4.0 U	4.0 U	4.1 U	4.1 U	4.1 U
Vanadium	NA	NA	NA	3.2 J	7.3 J	13.3	15.7	41.7	5.7 J	14.0	4.5 J	13.5	11.9	2.5 J	17.5	45.2	15.5	16.1	18.4	10.6	11.4
Zinc	109	2,200	2,480	10.3	20.0	34.1	42.4	46.0	14.7	24.4	5.8	37.1	40.0	9.0	69.0	74.6	36.1	24.0	22.7	10.3	11.4
Mercury	0.18	0.81	0.73	0.017 U	0.017 U	0.039	0.045	0.021	0.030	0.018 U	0.016 J	0.15	0.095	0.021 U	0.097	0.018 J	0.032	0.022	0.018 U	0.015 J	0.018 U

	NYSDEC SCOs			SL-2 Original Sample Location - Post Excavation Data													
				End-Point Soil Samples											Supplemental Bottom Samples		
				Co-located Bottom and Sidewall Samples													
TAL Metals (mg/kg)	Unrestricted	Residential	Protection of Groundwater	SL-EP#298 (14)	SL-EP#299 (14)	SL-EP#300 (14)	SL-EP#301 (14)	SL-EP#302 (14)	SL-EP#303 (5)	SL-EP#304 (1)	SL-EP#305 (5)	SL-EP#306 (1)	SL-EP#307 (5)	SL-EP#308 (1)	SL-EP#377 (14)	SL-EP#378 (14)	SL-EP#379 (14)
Aluminum	NA	NA	NA	7,300	7,360	5,600	1,810	2,110	6,270	3,940	4,600	6,860	4,860	8,580	3,370	2,130	1,980
Antimony	NA	NA	NA	4.1 U	4.0 U	4.8 U	4.2 U	4.6 U	4.0 U	3.9 U	4.4 U	4.0 U	4.5 U	4.1 U	4.1 U	4.0 U	4.3 U
Arsenic	13	16	16	2.8 J	1.5 J	1.4 J	1.3 J	1.3 J	2.8 J	2.4 J	3.5	2.2 J	6.2	2.7 J	1.7 J	1.5 J	1.2 J
Barium	350	350	820	30.4 J	31.9 J	13.1 J	14.1 J	7.6 J	38.2 J	25.7 J	18.4 J	23.5 J	27.0 J	27.9 J	21.1 J	13.2 J	7.6 J
Beryllium	7.2	14	47	0.29 J	0.40 U	0.48 U	0.42 U	0.46 U	0.40 U	0.39 U	0.44 U	0.40 U	0.45 U	0.28 J	0.41 U	0.40 U	0.43 U
Cadmium	2.5	2.5	7.5	0.83 U	0.80 U	19.4	0.84 U	0.91 U	0.62 J	0.54 J	0.88 U	0.80 U	0.89 U	0.81 U	0.67 J	0.80 U	0.53 J
Calcium	NA	NA	NA	865 J	1,030	327 J	195 J	3,530	20,800	6,630	391 J	652 J	335 J	983 J	11,600	293 J	299 J
Chromium ¹	30	36	NS	21.6	19.2	7.1	4.8	4.5	13.6	9.0	12.4	11.4	13.1	16.5	7.7	5.9	6.5
Cobalt	NA	NA	NA	5.2 J	1.9 J	2.1 J	1.5 J	2.2 J	4.6 J	2.9 J	3.9 J	3.9 J	7.9 J	3.7 J	2.8 J	2.5 J	1.6 J
Copper	50	270	1,720	9.7	7.4	4.3 J	2.2 J	3.1 J	19.1	11.0	12.9	5.7	7.3	5.7	6.3	3.3 J	3.0 J
Iron	NA	NA	NA	19,300	6,890	7,220	5,760	5,970	12,800	7,890	17,600	10,100	21,400	10,600	7,370	7,200	5,250
Lead	63	400	450	4.5	5.6	2.7	3.5	2.3	17.8	10.8	3.7	9.4	4.0	7.2	7.7	1.8 J	6.1
Magnesium	NA	NA	NA	2,580	1,650	489 J	291 J	2,200	12,800	4,040	840 J	1,560	792 J	1,860	5,120	469 J	412 J
Manganese	1,600	2,000	2,000	538	58.7	206	207	172	355	252	278	143	975	127	330	347	88.0
Nickel	30	140	130	11.2	6.4 J	4.9 J	2.6 J	3.2 J	11.1	6.0 J	7.0 J	7.8 J	7.2 J	8.9	5.4 J	3.5 J	2.8 J
Potassium	NA	NA	NA	1,250	1,200	342 J	171 J	183 J	1,020	496 J	327 J	414 J	241 J	408 J	318 J	226 J	200 J
Selenium	3.9	36	4	4.1 U	4.0 U	4.8 U	4.2 U	4.6 U	4.0 U	3.9 U	4.4 U	4.0 U	4.5 U	4.1 U	4.1 U	4.0 U	4.3 U
Silver	2	36	8.3	0.42 J	0.69 J	2.4 U	2.1 U	2.3 U	25.4	9.0	2.2 U	2.0 U	0.59 J	2.0 U	6.6	0.48 J	0.81 J
Sodium	NA	NA	NA	1,040 U	1,000 U	1,190 U	1,050 U	1,140 U	989 U	980 U	1,100 U	995 U	1,120 U	1,020 U	1,040 U	995 U	1,080 U
Thallium	NA	NA	NA	4.1 U	4.0 U	4.8 U	4.2 U	4.6 U	4.0 U	3.9 U	4.4 U	4.0 U	4.5 U	4.1 U	4.1 U	4.0 U	4.3 U
Vanadium	NA	NA	NA	21.1	14.0	10.1 J	7.4 J	6.2 J	18.9	11.4	18.0	14.8	18.9	18.6	8.9 J	7.5 J	7.1 J
Zinc	109	2,200	2,480	21.0	24.7	9.0	7.0	7.5	51.9	29.5	18.5	18.3	14.8	20.0	15.8	7.7	9.8
Mercury	0.18	0.81	0.73	0.013 J	0.019 U	0.020 U	0.019 U	0.020 U	0.033	0.052	0.015 J	0.020	0.020	0.022	0.023	0.019	0.021 U

Notes:
J : Sample result is greater than the MDL but below the CRDL
U : Indicates analyzed for but not detected.
¹ Trivalent chromium SCOs utilized.
Highlighted / bolded indicates analyte exceeded above its respective NYSDEC Commercial SCO.
Green / italicized value indicates analyte exceeded its respective unrestricted SCO but was below its respective Residential / Protection of GW SCO, whichever is lower.
NA - Not Available
NS - No Standard Available
Indicates that sample locations were removed as part of supplemental soil excavation activities.

Table 6-19
TCL SVOCs Soil Analytical Data
SL-3 Original Sample Location - Post Excavation Data

TCL SVOCs (mg/kg)	NYSDEC Unrestricted SCO	SL-3 Original Sample Location - Post Excavation Data			
		End-Point Soil Samples			
		Side-wall Samples		Bottom Samples	
		SL-EP#173	SL-EP#175	SL-EP#159	SL-EP#165
		(5')	(5')	(5')	(5')
1,2,4,5-Tetrachlorobenzene	NA	0.70 U	0.38 U	0.39 U	0.38 U
1,4-Dioxane	0.1	0.70 U	0.38 U	0.39 U	0.38 U
2,2'-oxybis[1-chloropropane]	NA	0.70 U	0.38 U	0.39 U	0.38 U
2,3,4,6-Tetrachlorophenol	NA	0.70 U	0.38 U	0.39 U	0.38 U
2,4,5-Trichlorophenol	NA	0.70 U	0.38 U	0.39 U	0.38 U
2,4,6-Trichlorophenol	NA	0.70 U	0.38 U	0.39 U	0.38 U
2,4-Dichlorophenol	NA	0.70 U	0.38 U	0.39 U	0.38 U
2,4-Dimethylphenol	NA	0.70 U	0.38 U	0.39 U	0.38 U
2,4-Dinitrophenol	NA	2.1 U	1.1 U	1.2 U	1.1 U
2,4-Dinitrotoluene	NA	0.14 U	0.076 U	0.080 U	0.077 U
2,6-Dinitrotoluene	NA	0.14 U	0.076 U	0.080 U	0.077 U
2-Chloronaphthalene	NA	0.70 U	0.38 U	0.39 U	0.38 U
2-Chlorophenol	NA	0.70 U	0.38 U	0.39 U	0.38 U
2-Methylnaphthalene	NA	0.70 U	0.38 U	0.39 U	0.38 U
2-Methylphenol	0.33	0.70 U	0.38 U	0.39 U	0.38 U
2-Nitroaniline	NA	1.4 U	0.76 U	0.80 U	0.77 U
2-Nitrophenol	NA	0.70 U	0.38 U	0.39 U	0.38 U
3,3'-Dichlorobenzidine	NA	1.4 U	0.76 U	0.80 U	0.77 U
3-Nitroaniline	NA	1.4 U	0.76 U	0.80 U	0.77 U
4,6-Dinitro-2-methylphenol	NA	2.1 U	1.1 U	1.2 U	1.1 U
4-Bromophenyl phenyl ether	NA	0.70 U	0.38 U	0.39 U	0.38 U
4-Chloro-3-methylphenol	NA	0.70 U	0.38 U	0.39 U	0.38 U
4-Chloroaniline	NA	0.70 U	0.38 U	0.39 U	0.38 U
4-Chlorophenyl phenyl ether	NA	0.70 U	0.38 U	0.39 U	0.38 U
4-Methylphenol	0.33	0.70 U	0.38 U	0.39 U	0.38 U
4-Nitroaniline	NA	1.4 U	0.76 U	0.80 U	0.77 U
4-Nitrophenol	NA	2.1 U	1.1 U	1.2 U	1.1 U
Acenaphthene	20	0.70 U	0.38 U	0.39 U	0.38 U
Acenaphthylene	100	0.17 J	0.049 J	0.39 U	0.38 U
Acetophenone	NA	0.70 U	0.38 U	0.39 U	0.38 U
Anthracene	100	0.30 J	0.16 J	0.39 U	0.38 U
Atrazine	NA	0.70 U	0.38 U	0.39 U	0.38 U
Benzaldehyde	NA	0.70 U	0.38 U	0.39 U	0.38 U
Benzo[a]anthracene	1	1.6	0.54	0.039 U	0.038 U
Benzo[a]pyrene	1	1.6	0.55	0.039 U	0.038 U
Benzo[b]fluoranthene	1	1.7	0.54	0.039 U	0.038 U
Benzo[g,h,i]perylene	100	1.1	0.34 J	0.39 U	0.38 U
Benzo[k]fluoranthene	0.8	0.74	0.21	0.039 U	0.038 U
Bis(2-chloroethoxy)methane	NA	0.70 U	0.38 U	0.39 U	0.38 U
Bis(2-chloroethyl)ether	NA	0.070 U	0.038 U	0.039 U	0.038 U
Bis(2-ethylhexyl) phthalate	NA	0.70 U	0.38 U	0.39 U	0.38 U
Butyl benzyl phthalate	NA	0.70 U	0.38 U	0.39 U	0.38 U
Caprolactam	NA	0.70 U	0.38 U	0.39 U	0.38 U
Carbazole	NA	0.70 U	0.38 U	0.39 U	0.38 U
Chrysene	1	1.8	0.54	0.39 U	0.38 U
Dibenz(a,h)anthracene	0.33	0.27	0.092	0.039 U	0.038 U
Dibenzofuran	7	0.70 U	0.38 U	0.39 U	0.38 U
Diethyl phthalate	NA	0.70 U	0.38 U	0.39 U	0.38 U
Dimethyl phthalate	NA	0.70 U	0.38 U	0.39 U	0.38 U
Di-n-butyl phthalate	NA	0.70 U	0.11 J	0.39 U	0.33 J
Di-n-octyl phthalate	NA	0.70 U	0.38 U	0.39 U	0.38 U
Diphenyl	NA	0.70 U	0.38 U	0.39 U	0.38 U
Fluoranthene	100	2.5	0.91	0.39 U	0.38 U
Fluorene	30	0.17 J	0.090 J	0.39 U	0.38 U
Hexachlorobenzene	0.33	0.070 U	0.038 U	0.039 U	0.038 U
Hexachlorobutadiene	NA	0.14 U	0.076 U	0.080 U	0.077 U
Hexachlorocyclopentadiene	NA	0.70 U	0.38 U	0.39 U	0.38 U
Hexachloroethane	NA	0.070 U	0.038 U	0.039 U	0.038 U
Indeno[1,2,3-cd]pyrene	0.5	0.97	0.32	0.039 U	0.038 U
Isophorone	NA	0.70 U	0.38 U	0.39 U	0.38 U
Naphthalene	12	0.70 U	0.38 U	0.39 U	0.38 U
Nitrobenzene	NA	0.070 U	0.038 U	0.039 U	0.038 U
N-Nitrosodi-n-propylamine	NA	0.070 U	0.038 U	0.039 U	0.038 U
N-Nitrosodiphenylamine	NA	0.70 U	0.38 U	0.39 U	0.38 U
Pentachlorophenol	0.8	2.1 U	1.1 U	1.2 U	1.1 U
Phenanthrene	100	1.7	0.83	0.39 U	0.38 U
Phenol	0.33	0.70 U	0.38 U	0.39 U	0.38 U
Pyrene	100	3.3	1.0	0.39 U	0.38 U
Pyridine	NA	0.70 U	0.38 U	0.39 U	0.38 U
Total SVOC TICs	NA	13.51	6.95	ND	ND

Notes
ND: TIC not detected
*: LCS or LCSD exceeds the control limits
D : The reported value is from a dilution.
J : Indicates an estimated value.
J N : This flag indicates the presumptive evidence of a compound.
U : Analyzed for but not detected.
U * : LCS or LCSD exceeds the control limits
NA : Not Available



Table 6-20
TAL Metals Soil Analytical Data
SL-3 Original Sample Location - Post Excavation Data

TAL Metals (mg/kg)	NYSDEC SCOs				SL-3 Original Sample Location - Post Excavation Data											
					End-Point Soil Samples											
					Side-wall Samples											
	Unrestricted	Residential	Restricted Residential	Protection of Groundwater	SL-EP#168 (1)	SL-EP#169 (2)	SL-EP#170 (1)	SL-EP#171 (1)	SL-EP#172 (1)	SL-EP#173 (2)	SL-EP#174 (1)	SL-EP#175 (2)	SL-EP#175 (2)	SL-EP#176 (1)	SL-EP#177 (1)	SL-EP#178 (1)
Aluminum	NA	NA	NA	NA	6,360	7,210	5,190	3,160	2,680	6,410	5,220	6,640	5,770	4,940	5,450	5,350
Antimony	NA	NA	NA	NA	4.0 U	4.4 U	4.1 U	4.0 U	3.7 U	3.8 U	4.0 U	4.6 U	4.6 U	4.2 U	4.0 U	4.1 U
Arsenic	13	16	16	16	2.8 J	2.4 J	1.7 J	2.4 J	1.4 J	2.1 J	2.6 J	2.9 J	2.1 J	1.8 J	2.2 J	1.6 J
Barium	350	350	400	820	27.2 J	31.5 J	23.6 J	75.2	11.7 J	23.1 J	27.6 J	21.9 J	44.7 J	21.6 J	16.5 J	18.6 J
Beryllium	7.2	14	72	47	0.29 J	0.30 J	0.23 J	0.19 J	0.14 J	0.22 J	0.28 J	0.31 J	0.34 J	0.35 J	0.28 J	0.28 J
Cadmium	2.5	2.5	4.3	7.5	0.81 U	0.87 U	0.82 U	0.80 U	0.73 U	0.76 U	0.81 U	0.85 U	0.91 U	0.83 U	0.81 U	0.82 U
Calcium	NA	NA	NA	NA	669 J	1,130	622 J	402 J	684 J	3,290	4,790	253 J	1,550	776 J	216 J	326 J
Chromium ¹	30	36	180	NS	12.7	12.5	10.6	11.8	5.2	12.9	9.4	9.1	13.5	11.1	10.8	9.4
Cobalt	NA	NA	NA	NA	4.9 J	3.7 J	2.7 J	7.4 J	1.9 J	7.0 J	3.5 J	2.2 J	4.6 J	2.7 J	2.3 J	2.3 J
Copper	50	270	270	1,720	4.3 J	5.8	6.0	7.2	3.3 J	30.4	40.6	2.9 J	11.5	4.0 J	6.8	3.9 J
Iron	NA	NA	NA	NA	12,100	16,800	8,860	17,600	5,440	26,400	6,440	7,850	21,300	8,340	8,680	8,450
Lead	63	400	400	450	5.1	17.8	9.3	8.0	3.1	11.0	26.0	6.8	49.2	4.6	9.0	4.3
Magnesium	NA	NA	NA	NA	1,690	1,700	1,140	1,080	817 J	2,410	2,900	1,060	1,600	1,170	1,130	1,100
Manganese	1,600	2,000	2,000	2,000	185	145	119	442	107	244	158	52.6	141	64.8	88.5	57.2
Nickel	30	140	310	130	7.8 J	7.5 J	5.5 J	6.0 J	3.6 J	10.1	6.6 J	5.8 J	9.3	5.8 J	6.4 J	5.8 J
Potassium	NA	NA	NA	NA	402 J	458 J	307 J	711 J	246 J	429 J	430 J	751 J	539 J	480 J	753 J	719 J
Selenium	3.9	36	180	4	4.0 U	4.4 U	4.1 U	4.0 U	3.7 U	3.8 U	4.0 U	4.2 U	4.6 U	4.2 U	4.0 U	4.1 U
Silver	2	36	180	8.3	2.0 U	2.0 J	2.0 U	0.58 J	0.56 J	2.7	1.2 J	2.1 U	9.9	0.50 J	2.0 U	2.1 U
Sodium	NA	NA	NA	NA	1,010 U	1,090 U	1,020 U	1,000 U	914 U	412 J	87.3 J	1,060 U	1,140 U	1,040 U	1,010 U	1,030 U
Thallium	NA	NA	NA	NA	4.0 U	4.4 U	4.1 U	4.0 U	3.7 U	3.8 U	4.0 U	4.2 U	4.6 U	4.2 U	4.0 U	4.1 U
Vanadium	NA	NA	NA	NA	17.5	15.2	11.7	12.2	6.4 J	48.2	11.8	12.5	13.1	13.7	14.3	13.1
Zinc	109	2,200	10,000	2,480	19.7	24.2	15.8	14.4	8.5	30.1	32.1	15.7	34.0	18.0	14.2	14.5
Mercury	0.18	0.81	0.81	0.73	0.022	0.033	0.017 J	0.013 J	0.017 U	0.024	0.11	0.018	0.083	0.058	0.017 U	0.018 U

TAL Metals (mg/kg)	NYSDEC SCOs				SL-3 Original Sample Location - Post Excavation Data													
					End-Point Soil Samples													
					Bottom Samples													
	Unrestricted	Residential	Restricted Residential	Protection of Groundwater	SL-EP#154	SL-EP#155	SL-EP#156	SL-EP#157	SL-EP#158	SL-EP#159	SL-EP#160	SL-EP#161	SL-EP#162	SL-EP#163	SL-EP#164	SL-EP#165	SL-EP#166	SL-EP#167
(5)	(6)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(6)	(6)	(5)	(6)	(5)	
Aluminum	NA	NA	NA	NA	2,820	7,650	3,100	5,840	8,590	7,230	4,310	6,430	6,080	5,770	5,780	1,320	5,120	2,050
Antimony	NA	NA	NA	NA	3.9 U	5.2 U	4.0 U	4.0 U	4.4 U	4.6 U	4.3 U	4.3 U	4.3 U	4.1 U	5.2 U	4.0 U	4.1 U	4.1 U
Arsenic	13	16	16	16	2.3 J	3.8 J	3.5	2.1 J	3.7	1.5 J	1.7 J	1.1 J	2.1 J	2.0 J	2.7 J	0.71 J	1.7 J	1.8 J
Barium	350	350	400	820	11.2 J	31.9 J	10.6 J	33.2 J	37.5 J	45.7 J	33.0 J	57.5	19.6 J	23.3 J	68.6	13.1 J	19.2 J	34.9 J
Beryllium	7.2	14	72	47	0.17 J	0.24 J	0.28 J	0.24 J	0.32 J	0.23 J	0.18 J	0.16 J	0.29 J	0.25 J	0.47 J	0.40 U	0.23 J	0.18 J
Cadmium	2.5	2.5	4.3	7.5	0.79 U	1.0 U	0.81 U	0.80 U	0.87 U	0.92 U	0.86 U	0.85 U	0.85 U	0.83 U	24.8	0.80 U	0.81 U	0.82 U
Calcium	NA	NA	NA	NA	283 J	864 J	174 J	563 J	681 J	902 J	487 J	741 J	244 J	3,600	1,950	165 J	723 J	205 J
Chromium ¹	30	36	180	NS	5.2	14.0	5.9	11.9	17.3	12.8	10.1	11.1	13.2	9.3	14.3	3.7	12.2	5.5
Cobalt	NA	NA	NA	NA	2.4 J	4.1 J	4.4 J	1.9 J	5.5 J	3.1 J	1.9 J	2.4 J	2.7 J	2.2 J	6.5 J	10 U	2.3 J	2.3 J
Copper	50	270	270	1,720	2.8 J	5.4 J	2.8 J	1.3 J	1.9 J	1.3 J	5.4 U	5.3 U	5.0 J	10.2	29.7	5.0 U	4.8 J	2.1 J
Iron	NA	NA	NA	NA	7,300	14,300	12,200	8,700	17,400	6,860	6,710	4,950	9,630	7,410	8,090	2,910	6,710	6,520
Lead	63	400	400	450	2.8	10.3	2.3	4.8	7.1	4.3	3.5	4.3	4.7	11.8	21.3	1.5 J	12.0	2.3
Magnesium	NA	NA	NA	NA	459 J	1,860	461 J	1,200	2,020	1,410	993 J	1,300	1,250	1,190	1,580	307 J	1,070	284 J
Manganese	1,600	2,000	2,000	2,000	116	232	414	51.9	304	101	94.5	57.6	65.5	66.7	220	15.6	80.6	430
Nickel	30	140	310	130	4.3 J	7.4 J	4.5 J	5.0 J	8.5 J	7.3 J	4.3 J	7.0 J	6.6 J	5.8 J	11.6	1.7 J	5.6 J	4.1 J
Potassium	NA	NA	NA	NA	225 J	445 J	235 J	285 J	391 J	348 J	207 J	390 J	810 J	749 J	608 J	134 J	586 J	209 J
Selenium	3.9	36	180	4	3.9 U	5.2 U	4.0 U	4.0 U	4.4 U	4.6 U	4.3 U	4.3 U	4.3 U	4.1 U	5.2 U	4.0 U	4.1 U	4.1 U
Silver	2	36	180	8.3	2.0 U	3.7	2.0 U	2.0 U	2.2 U	2.3 U	2.2 U	2.1 U	2.1 U	4.2	39.6	0.87 J	3.2	0.60 J
Sodium	NA	NA	NA	NA	985 U	1,300 U	1,010 U	98.5 J	203 J	1,150 U	1,080 U	1,060 U	1,070 U	1,030 U	1,290 U	997 U	76 J	1,020 U
Thallium	NA	NA	NA	NA	3.9 U	5.2 U	4.0 U	4.0 U	4.4 U	4.6 U	4.3 U	4.3 U	4.3 U	4.1 U	5.2 U	4.0 U	4.1 U	4.1 U
Vanadium	NA	NA	NA	NA	8.0 J	19.7	9.3 J	15.4	25.5	11.7	10.9	7.0 J	15.9	12.9	14.6	2.2 J	10.8	8.0 J
Zinc	109	2,200	10,000	2,480	8.1	23.2	6.9	13.5	18.8	20.6	18.5	20.7	16.1	22.6	64.1	6.8	23.3	6.5
Mercury	0.18	0.81	0.81	0.73	0.014 J	0.030	0.018 U	0.017 U	0.020 U	0.015 J	0.018 U	0.019 U	0.014 J	0.018	0.13	0.019 U	0.14	0.017 J

TAL Metals (mg/kg)	NYSDEC SCOs				SL-3 Original Sample Location - Post Excavation Data																	
					Supplemental Endpoint Samples																	
					Side-wall Samples						Bottom Samples						Co-located Bottom and Sidewall Samples					
	Unrestricted	Residential	Restricted Residential	Protection of Groundwater	SL-EP#227	SL-EP#228	SL-EP#229	SL-EP#230	SL-EP#235	SL-EP#236	SL-EP#223	SL-EP#224	SL-EP#225	SL-EP#226	SL-EP#231	SL-EP#232	SL-EP#233	SL-EP#234	SL-EP#309	SL-EP#310	SL-EP#311	SL-EP#312
				(3')	(3')	(3')	(3')	(1')	(1')	(7')	(7')	(7')	(7')	(7')	(7')	(7')	(7')	(7')	(5')	(3')	(5')	(3')
Aluminum	NA	NA	NA	NA	3,860	4,510	5,010	5,370	3,740	5,230	975	3,420	2,550	4,930	1,290	1,190	1,300	1,230	5,380	7,550	2,000	5,890
Antimony	NA	NA	NA	NA	4.0 U	3.7 U	4.2 U	4.2 U	3.9 U	3.9 U	4.2 U	4.6 U	4.3 U	4.5 U	4.3 U	4.3 U	3.8 U	4.1 U	4.4 U	3.8 U	1.1 U	3.8 U
Arsenic	13	16	16	16	1.7 J	1.9 J	2.3 J	2.2 J	3.0 U	2.2 J	10.8	0.90 J	2.6 J	0.95 J	0.96 J	0.84 J	1.3 J	1.9 J	2.6 J	0.74 J	2.1 J	
Barium	350	350	400	820	11.5 J	19.7 J	25.0 J	15.2 J	26.5 J	21.8 J	16.2 J	20.1 J	7.6 J	30.3 J	7.3 J	10.4 J	5.5 J	15.6 J	28.7 J	35.0 J	9.2 J	25.3 J
Beryllium	7.2	14	72	47	0.20 J	0.26 J	0.25 J	0.36 J	0.16 J	0.26 J	0.15 J	0.13 J	0.27 J	0.094 J	0.094 J	0.11 J	0.038 J	0.44 U	0.31 J	0.074 J	0.38 U	
Cadmium	2.5	2.5	4.3	7.5	0.81 U	0.74 U	0.16 J	0.84 U	0.79 U	0.78 U	0.84 U	0.92 U	0.86 U	0.89 U	0.87 U	0.86 U	0.75 U	0.81 U	3.6	0.77 U	0.21 U	0.75 U
Calcium	NA	NA	NA	NA	381 J	708 J	1,180	512 J	254 J	434 J	217 J	1,040 J	395 J	675 J	202 J	304 J	187 J	397 J	1,140	975	822	666 J
Chromium ¹	30	36	180	NS	8.1	9.5	10.8	9.7	6.3	9.2	4.3	18.7	8.1	9.3	4.6	7.1	3.5	5.1	13.0	12.4	4.7	11.0
Cobalt	NA	NA	NA	NA	2.8 J	3.4 J	2.5 J	3.2 J	1.2 J	2.8 J	3.3 J	5.6 J	1.9 J	4.2 J	1.6 J	0.68 J	1.7 J	0.46 J	2.6 J	2.8 J	1.1 J	3.4 J
Copper	50	270	270	1,720	4.2 J	5.2	7.4	4.8 J	4.9 U	2.8 J	1.8 J	4.7 J	5.4 U	3.0 J	5.4 U	1.3 J	4.7 U	5.1 U	9.0	6.6	3.5	6.3
Iron	NA	NA	NA	NA	6,340	8,290	9,720	10,000	3,700	6,310	7,560	41,100	4,450	8,560	3,870	8,320	3,330	8,910	10,700	10,300	2,660	9,050
Lead	63	400	400	450	2.8	3.4	22.4	3.7	2.4	3.3	0.95 J	3.9	1.9 J	3.8	1.0 J	2.2	1.1 J	2.3	14.9	13.0	13.9	7.4
Magnesium	NA	NA	NA	NA	1,040	1,400	1,210	1,050	564 J	870 J	128 J	428 J	910 J	1,310	239 J	236 J	267 J	389 J	1,310	1,530	587	1,400
Manganese	1,600	2,000	2,000	2,000	150	166	138	108	62.0	68.5	317	987	44.7	640	191	57.1	126	30.9	80.3	188	27.3	160
Nickel	30	140	310	130	5.0 J	6.1 J	5.9 J	6.0 J	3.2 J	4.9 J	1.7 J	5.0 J	4.6 J	5.9 J	2.3 J	2.1 J	1.9 J	1.3 J	6.4 J	8.0	2.3	7.0 J
Potassium	NA	NA	NA	NA	301 J	571 J	756 J	462 J	167 J	610 J	73 J	189 J	163 J	316 J	119 J	689 J	119 J	885 J	496 J	631 J	122 J	534 J
Selenium	3.9	36	180	4	4.0 U	3.7 U	4.2 U	4.2 U	3.9 U	3.9 U	4.2 U	4.6 U	4.3 U	4.5 U	4.3 U	4.3 U	3.8 U	4.1 U	4.4 U	3.8 U	1.1 U	3.8 U
Silver	2	36	180	8.3	2.0 U	1.8 U	5.8	2.1 U	2.0 U	2.0 U	2.1 U	0.46 J	2.2 U	0.15 J	2.2 U	0.23 J	1.9 U	2.0 U	3.8	0.78 J	4.8	1.9 U
Sodium	NA	NA	NA	NA	1,010 U	920 U	1,050 U	1,050 U	984 U	1,050 U	1,050 U	1,150 U	1,080 U	1,120 U	1,080 U	1,070 U	940 U	1,020 U	1,100 U	958 U	36.8 J	137 J
Thallium	NA	NA	NA	NA	4.0 U	3.7 U	4.2 U	4.2 U	3.9 U	3.9 U	4.2 U	4.6 U	4.3 U	4.5 U	4.3 U	4.3 U	3.8 U	4.1 U	4.4 U	3.8 U	1.1 U	3.8 U
Vanadium	NA	NA	NA	NA	8.7 J	11.8	11.4	16.3	5.7 J	10.0	4.2 U	25.8	7.0 J	13.2	4.7 J	3.6 J	4.2 J	9.1 J	16.0	22.5	6.4	14.2
Zinc	109	2,200	10,000	2,480	10.4	13.6	30.8	13.5	8.9	12.7	4.5 J	15.6	23.1	33.6	4.7 J	6.4	5.5 J	5.7 J	28.6	22.1	17.0	16.7
Mercury	0.18	0.81	0.81	0.73	0.018 U	0.022	0.016 J	0.019 U	0.018 U	0.015 J	0.017 J	0.025	0.020 U	0.019 U	0.018 U	0.018 U	0.019 U	0.019 U	0.077	0.023	0.11	0.016

Table 6-21
TCL SVOC Soil Analytical Data
Post-excavation End-point Soil Analytical Data - SL-4 / 5 / 6

TCL SVOCs (mg/kg)	NYSDEC SCOs				Bottom Samples										Side-wall Samples										Post-excavation End-point Soil Analytical Data - SL-41 / 5 / 6										Supplemental Bottom Samples				Supplemental Sidewall Samples				Supplemental Sidewall Samples			
	Unrestricted SCO	Residential	Restricted Residential	Protection of Groundwater	SL-EP#71	SL-EP#72	SL-EP#73	SL-EP#74	SL-EP#76	SL-EP#77	SL-EP#78	SL-EP#79	SL-EP#80	SL-EP#118	SL-EP#119	SL-EP#120	SL-EP#121	SL-EP#122	SL-EP#123	SL-EP#124	SL-EP#125	SL-EP#126	SL-EP#127	SL-EP#179	SL-EP#180	SL-EP#181	SL-EP#182																			
					(#)	(#)	(#)	(#)	(1)	(1)	(#)	(#)	(#)	(#)	(#)	(5)	(5)	(5)	(5)	(1)	(1)	(1)	(#)	(#)	(1)	(1)	(1)	(1)	(1)	(1)																
1,2,4,5-Tetrachlorobenzene	NA	NA	NA	NA	3.8 U	0.38 U	0.38 U	0.39 U	0.36 U	3.7 U	7.6 U	0.34 U	7.9 U	0.39 U	0.43 U	0.42 U	0.39 U	0.35 U	0.38 U	1.9 U	0.35 U	0.47 U	0.45 U	0.41 U	0.41 U	0.43 U	0.38 U																			
1,4-Dioxane	0.1	9.8	13	0.1	3.8 U	0.38 U	0.38 U	0.39 U	0.36 U	3.7 U	7.6 U	0.34 U	7.9 U	0.39 U	0.43 U	0.42 U	0.39 U	0.35 U	0.38 U	1.9 U	0.35 U	0.47 U	0.45 U	0.41 U	0.41 U	0.43 U	0.38 U																			
2,2'-oxybis[1-chloropropane]	NA	NA	NA	NA	3.8 U	0.38 U	0.38 U	0.39 U	0.36 U	3.7 U	7.6 U	0.34 U	7.9 U	0.39 U	0.43 U	0.42 U	0.39 U	0.35 U	0.38 U	1.9 U	0.35 U	0.47 U	0.45 U	0.41 U	0.41 U	0.43 U	0.38 U																			
2,3,4,6-Tetrachlorophenol	NA	NA	NA	NA	3.8 U	0.38 U	0.38 U	0.39 U	0.36 U	3.7 U	7.6 U	0.34 U	7.9 U	0.39 U	0.43 U	0.42 U	0.39 U	0.35 U	0.38 U	1.9 U	0.35 U	0.47 U	0.45 U	0.41 U	0.41 U	0.43 U	0.38 U																			
2,4,5-Trichlorophenol	NA	NA	NA	NA	3.8 U	0.38 U	0.38 U	0.39 U	0.36 U	3.7 U	7.6 U	0.34 U	7.9 U	0.39 U	0.43 U	0.42 U	0.39 U	0.35 U	0.38 U	1.9 U	0.35 U	0.47 U	0.45 U	0.41 U	0.41 U	0.43 U	0.38 U																			
2,4,6-Trichlorophenol	NA	NA	NA	NA	3.8 U	0.38 U	0.38 U	0.39 U	0.36 U	3.7 U	7.6 U	0.34 U	7.9 U	0.39 U	0.43 U	0.42 U	0.39 U	0.35 U	0.38 U	1.9 U	0.35 U	0.47 U	0.45 U	0.41 U	0.41 U	0.43 U	0.38 U																			
2,4-Dichlorophenol	NA	NA	NA	NA	3.8 U	0.38 U	0.38 U	0.39 U	0.36 U	3.7 U	7.6 U	0.34 U	7.9 U	0.39 U	0.43 U	0.42 U	0.39 U	0.35 U	0.38 U	1.9 U	0.35 U	0.47 U	0.45 U	0.41 U	0.41 U	0.43 U	0.38 U																			
2,4-Dimethylphenol	NA	NA	NA	NA	3.8 U	0.38 U	0.38 U	0.39 U	0.36 U	3.7 U	7.6 U	0.34 U	7.9 U	0.39 U	0.43 U	0.42 U	0.39 U	0.35 U	0.38 U	1.9 U	0.35 U	0.47 U	0.45 U	0.41 U	0.41 U	0.43 U	0.38 U																			
2,4-Dinitrophenol	NA	NA	NA	NA	12 R	1.2 R	1.2 R	12 R	1.1 R	11 U	23 U	1.0 U	24 U	1.2 U	1.3 U	1.3 U	1.2 U	1.1 U	1.1 U	5.6 U	1.1 U	1.4 U	1.4 U	1.3 U	1.3 U	1.3 U	1.1 U																			
2,4-Dinitrotoluene	NA	NA	NA	NA	0.078 U	0.078 U	0.078 U	0.080 U	0.073 U	0.087 U	1.5 U	0.069 U	1.6 U	0.080 U	0.087 U	0.086 U	0.079 U	0.072 U	0.077 U	0.084 U	0.084 U	0.095 U	0.091 U	0.084 U	0.084 U	0.087 U	0.076 U																			
2,6-Dinitrotoluene	NA	NA	NA	NA	0.078 U	0.078 U	0.078 U	0.079 U	0.073 U	0.075 U	1.5 U	0.069 U	1.6 U	0.080 U	0.087 U	0.086 U	0.079 U	0.072 U	0.077 U	0.084 U	0.084 U	0.095 U	0.091 U	0.084 U	0.084 U	0.087 U	0.076 U																			
2-Chloronaphthalene	NA	NA	NA	NA	3.8 U	0.38 U	0.38 U	0.39 U	0.36 U	3.7 U	7.6 U	0.34 U	7.9 U	0.39 U	0.43 U	0.42 U	0.39 U	0.35 U	0.38 U	1.9 U	0.35 U	0.47 U	0.45 U	0.41 U	0.41 U	0.43 U	0.38 U																			
2-Chlorophenol	NA	NA	NA	NA	3.8 U	0.38 U	0.38 U	0.39 U	0.36 U	3.7 U	7.6 U	0.34 U	7.9 U	0.39 U	0.43 U	0.42 U	0.39 U	0.35 U	0.38 U	1.9 U	0.35 U	0.47 U	0.45 U	0.41 U	0.41 U	0.43 U	0.38 U																			
2-Methylnaphthalene	NA	NA	NA	NA	0.026 J	0.38 U	0.0085 J	0.0035 J	0.017 J	3.7 U	1.3 J	0.34 U	6.1 J	0.39 U	0.43 U	0.42 U	0.39 U	0.35 U	1.3	0.62 J	0.35 U	0.47 U	0.45 U	0.41 U	0.41 U	0.43 U	0.38 U																			
2-Methylphenol	0.33	100	100	0.33	3.8 U	0.38 U	0.38 U	0.39 U	0.36 U	3.7 U	7.6 U	0.34 U	7.9 U	0.39 U	0.43 U	0.42 U	0.39 U	0.35 U	0.38 U	1.9 U	0.35 U	0.47 U	0.45 U	0.41 U	0.41 U	0.43 U	0.38 U																			
2-Nitroaniline	NA	NA	NA	NA	7.8 U	0.78 U	0.78 U	7.9 U	0.73 U	7.5 U	15 U	0.69 U	16 U	0.80 U	0.87 U	0.86 U	0.79 U	0.72 U	0.77 U	3.8 U	0.72 U	0.95 U	0.91 U	0.84 U	0.84 U	0.87 U	0.76 U																			
2-Nitrophenol	NA	NA	NA	NA	3.8 U	0.38 U	0.38 U	0.39 U	0.36 U	3.7 U	7.6 U	0.34 U	7.9 U	0.39 U	0.43 U	0.42 U	0.39 U	0.35 U	0.38 U	1.9 U	0.35 U	0.47 U	0.45 U	0.41 U	0.41 U	0.43 U	0.38 U																			
3,3'-Dichlorobenzidine	NA	NA	NA	NA	7.8 R	0.78 R	0.78 R	7.9 R	0.73 R	7.5 U	15 U	0.69 U	16 U	0.80 U	0.87 U	0.86 U	0.79 U	0.72 U	0.77 U	3.8 U	0.72 U	0.95 U	0.91 U	0.84 U	0.84 U	0.87 U	0.76 U																			
3-Nitroaniline	NA	NA	NA	NA	7.8 U	0.78 U	0.78 U	7.9 U	0.73 U	7.5 U	15 U	0.69 U	16 U	0.80 U	0.87 U	0.86 U	0.79 U	0.72 U	0.77 U	3.8 U	0.72 U	0.95 U	0.91 U	0.84 U	0.84 U	0.87 U	0.76 U																			
4,6-Dinitro-2-methylphenol	NA	NA	NA	NA	12 R	1.2 R	1.2 R	12 R	1.1 R	11 U	23 U	1.0 U	24 U	1.2 U	1.3 U	1.3 U	1.2 U	1.1 U	1.1 U	5.6 U	1.1 U	1.4 U	1.4 U	1.3 U	1.3 U	1.3 U	1.1 U																			
4-Bromophenyl phenyl ether	NA	NA	NA	NA	3.8 U	0.38 U	0.38 U	0.39 U	0.36 U	3.7 U	7.6 U	0.34 U	7.9 U	0.39 U	0.43 U	0.42 U	0.39 U	0.35 U	0.38 U	1.9 U	0.35 U	0.47 U	0.45 U	0.41 U	0.41 U	0.43 U	0.38 U																			
4-Chloro-3-methylphenol	NA	NA	NA	NA	3.8 U	0.38 U	0.38 U	0.39 U	0.36 U	3.7 U	7.6 U	0.34 U	7.9 U	0.39 U	0.43 U	0.42 U	0.39 U	0.35 U	0.38 U	1.9 U	0.35 U	0.47 U	0.45 U	0.41 U	0.41 U	0.43 U	0.38 U																			
4-Chloroaniline	NA	NA	NA	NA	3.8 U	0.38 U	0.38 U	0.39 U	0.36 U	3.7 U	7.6 U	0.34 U	7.9 U	0.39 U	0.43 U	0.42 U	0.39 U	0.35 U	0.38 U	1.9 U	0.35 U	0.47 U	0.45 U	0.41 U	0.41 U	0.43 U	0.38 U																			
4-Chlorophenyl phenyl ether	NA	NA	NA	NA	3.8 U	0.38 U	0.38 U	0.39 U	0.36 U	3.7 U	7.6 U	0.34 U	7.9 U	0.39 U	0.43 U	0.42 U	0.39 U	0.35 U	0.38 U	1.9 U	0.35 U	0.47 U	0.45 U	0.41 U	0.41 U	0.43 U	0.38 U																			
4-Methylphenol	0.33	34	100	0.33	3.8 U	0.38 U	0.38 U	0.39 U	0.36 U	3.7 U	7.6 U	0.34 U	7.9 U	0.39 U	0.43 U	0.42 U	0.39 U	0.35 U	0.38 U	1.9 U	0.35 U	0.47 U	0.45 U	0.41 U	0.41 U	0.43 U	0.38 U																			
4-Nitroaniline	NA	NA	NA	NA	7.8 U	0.78 U	0.78 U	7.9 U	0.73 U	7.5 U	15 U	0.69 U	16 U	0.80 U	0.87 U	0.86 U	0.79 U	0.72 U	0.77 U	3.8 U	0.72 U	0.95 U	0.91 U	0.84 U	0.84 U	0.87 U	0.76 U																			
4-Nitrophenol	NA	NA	NA	NA	12 U	1.2 U	1.2 U	12 U	1.1 U	11 U	23 U	1.0 U	24 U	1.2 U	1.3 U	1.3 U	1.2 U	1.1 U	1.1 U	5.6 U	1.1 U	1.4 U	1.4 U	1.3 U	1.3 U	1.3 U	1.1 U																			
Acenaphthene	20	100	100	98	3.8 U	0.38 U	0.38 U	0.39 U	0.36 U	3.7 U	7.6 U	0.34 U	7.9 U	0.39 U	0.43 U	0.42 U	0.39 U	0.35 U	0.38 U	1.9 U	0.35 U	0.47 U	0.45 U	0.41 U	0.41 U	0.43 U	0.38 U																			
Acenaphthylene	100	100	100	107	0.038 J	0.38 U	0.030 J	0.034 J	0.034 J	3.7 U	2.4 J	0.34 U	7.9 U	0.39 U	0.43 U	0.42 U	0.39 U	0.35 U	0.21 J	0.39 J	0.35 U	0.47 U	0.45 U	0.41 U	0.41 U	0.43 U	0.38 U																			
Acetophenone	NA	NA	NA	NA	3.8 U	0.38 U	0.38 U	0.39 U	0.36 U	3.7 U	7.6 U	0.34 U	7.9 U	0.39 U	0.43 U	0.42 U	0.39 U	0.35 U	0.38 U	1.9 U	0.35 U	0.47 U	0.45 U	0.41 U	0.41 U	0.43 U	0.38 U																			
Anthracene	100	100	100	1,000	0.085 J B	0.38 U	0.074 J B	0.046 J B	0.11 J B	3.7 U	2.9 J	0.018 J	7.8 J	0.39 U	0.43 U	0.42 U	0.39 U	0.35 U	0.77	6.5	0.35 U	0.16 J	0.093 J	0.41 U	0.41 U	0.83	0.060 J																			
Atrazine	NA	NA	NA	NA	3.8 U	0.38 U	0.38 U	0.39 U	0.36 U	3.7 U	7.6 U	0.34 U	7.9 U	0.39 U	0.43 U	0.42 U	0.39 U	0.35 U	0.38 U	1.9 U	0.35 U	0.47 U	0.45 U	0.41 U	0.41 U	0.43 U	0.38 U																			
Benzaldehyde	NA	NA	NA	NA	3.8 U	0.38 U	0.38 U	0.39 U	0.36 U	3.7 U	7.6 U	0.34 U	7.9 U	0.39 U	0.43 U	0.42 U	0.39 U	0.35 U	0.38 U	1.9 U	0.35 U	0.47 U	0.45 U	0.41 U	0.41 U	0.43 U	0.38 U																			
Benzo[a]anthracene	1	1	1	1	0.38 U	0.038 U	0.43	0.27	0.36	0.53	1.4	0.14	3.6	0.039 U	0.043 U	0.042 U	0.039 U	0.035 U	0.82	9.0	0.035 U	0.27	0.12	0.14	0.091	0.91	0.21																			
Benzo[a]pyrene	1	1	1	22	0.038 U	0.038 U	0.37	0.36	0.30	0.49	1.4	0.15	3.6	0.039 U	0.043 U	0.042 U</																														

Table 6-22
TAL Metals Soil Analytical Data
Post-excavation End-point Soil Analytical Data - SL-4 / 5 / 6

TAL Metals (mg/kg)	NYSDEC SCOs				Post-excavation End-point Soil Analytical Data																						
					SL-4 / 5 / 6 Excavation																						
					Bottom Samples				Sidewall Samples				Supplemental Bottom Samples				Supplemental Sidewall Samples				Supplemental Sidewall Samples						
	Unrestricted	Residential	Restricted Residential	Protection of Groundwater	SL-EP#71	SL-EP#72	SL-EP#73	SL-EP#74	SL-EP#76	SL-EP#77	SL-EP#78	SL-EP#79	SL-EP#80	SL-EP# 118	SL-EP# 119	SL-EP# 120	SL-EP# 121	SL-EP# 122	SL-EP# 123	SL-EP# 124	SL-EP# 125	SL-EP# 126	SL-EP# 127	SL-EP#179	SL-EP#180	SL-EP#181	SL-EP#182
Aluminum	NA	NA	NA	NA	612	753	1,510	1,370	4,760	5,710	8,510	8,160	5,260	10,500	18,700	11,200	7,520	2,130	6,120	4,220	2,990	17,200	12,700	6,130	2,700	6,030	3,910
Antimony	NA	NA	NA	NA	4.5 U	4.6 U	4.7 U	4.7 U	4.1 U	4.2 U	4.4 U	4.1 U	4.5 U	3.7 U	4.2 U	4.2 U	4.2 U	3.6 U	3.7 U	3.5 U	3.6 U	4.7 U	4.3 U	4.8 U	4.6 U	4.6 U	4.1 U
Arsenic	13	16	16	16	34 U	3.4 U	0.73 J	0.84 J	1.1 J	1.7 J	2.3 J	1.2 J	2.4 J	1.5 J	3.0 J	2.1 J	2.5 J	0.58 J	2.5 J	1.3 J	0.1	3.9	2.3 J	4.1	4.6	9.5	6.0
Barium	350	350	400	820	45.5 U	16.6 J	18.5 J	9.9 J	24.3 J	40.9 J	41.8 J	15.7 J	52.0	67.7	154	68.1	46.7	8.7 J	49.6	20.5 J	11.2 J	141	66.5	57.2	25.6 J	83.5	60.3
Beryllium	7.2	14	72	47	0.45 U	0.46 U	0.47 U	0.47 U	0.14 J	0.28 J	0.27 J	0.16 J	0.30 J	0.43	0.62	0.76	0.25 J	0.36 U	0.34 J	0.23 J	0.36 U	0.99	0.70	0.34 J	0.20 J	0.35 J	0.22 J
Cadmium	2.5	2.5	4.3	7.5	0.91 U	0.91 U	0.14 J	0.93 U	0.83 U	0.84 U	0.89 U	0.82 U	0.91 U	0.74 U	0.83 U	0.83 U	0.85 U	0.72 U	0.74 U	0.70 U	0.72 U	0.94 U	0.86 U	0.16 J	0.92 U	0.93 U	0.81 U
Calcium	NA	NA	NA	NA	113 J	137 J	290 J	16,800	2,480	1,730	1,330	485 J	1,720	1,240	2,030	1,200	923 J	2,540	2,080	706 J	19,600	2,740	1,340	1,150 J	476 J	2,820	773 J
Chromium ³	30	36	180	NS	1.7 J	5.3	4.1	2.5	7.0	12.1	11.7	5.7	12.2	22.2	36.2	19.7	12.3	2.2	12.6	7.2	4.0	29.2	17.8	15.6	6.6	13.2	11.8
Cobalt	NA	NA	NA	NA	11.4 U	11.4 U	11.7 U	1.2 J	5.0 J	3.3 J	3.4 J	2.0 J	3.3 J	3.6 J	10.3 J	8.5 J	6.1 J	1.6 J	3.8 J	2.4 J	2.7 J	6.7 J	4.6 J	5.7 J	3.0 J	4.8 J	6.1 J
Copper	50	270	270	1,720	1.4 J	1.3 J	1.5 J	4.3 J	25.8	8.0	5.5	4.2 J	10.2	11.6	17.3	15.3	3.5 J	5.4	11.7	5.1	12.5	11.4	8.3	7.9	4.3 J	7.7	9.3
Iron	NA	NA	NA	NA	1,880	3,510	2,120	4,330	12,200	9,050	11,500	9,530	7,990	8,880	35,100	33,400	15,000	4,290	9,870	6,100	0,450	15,300	13,200	18,400	15,500	15,300	21,100
Lead	63	400	400	450	1.5 J	1.2 J	2.3	4.0	6.1	23.4	14.9	5.1	41.3	9.1	11.6	10.8	6.1	3.1	37.6	14.8	6.1	52.0	21.1	9.3	4.3	21.2	7.8
Magnesium	NA	NA	NA	NA	256 J	197 J	378 J	9,590	1,630	1,700	1,780	872 J	1,340	2,060	5,580	2,410	2,140	1,640	1,620	980	11,200	2,640	1,990	1,970	721 J	1,080 J	1,380
Manganese	1,600	2,000	2,000	2,000	34.0	285	73.3	153	190	173	146	76.9	211	88.6	172	199	236	72.6	262	102	95.4	284	215	475	234	431	745
Nickel	30	140	310	130	1.1 J	1.2 J	2.3 J	2.1 J	6.5 J	7.5 J	6.8 J	4.5 J	7.6 J	11.2	25.0	13.5	8.3 J	2.0 J	7.9	5.4 J	3.1 J	14.1	10.6	10.4	5.1 J	10.3	10
Potassium	NA	NA	NA	NA	1,140 U	133 J	127 J	146 J	345 J	368 J	417 J	342 J	367 J	736 J	3,730	950 J	865 J	234 J	547 J	355 J	236 J	658 J	461 J	1,030 J	366 J	375 J	619 J
Selenium	3.9	36	180	4	4.5 U	4.6 U	4.7 U	4.7 U	4.1 U	4.2 U	4.4 U	4.1 U	4.5 U	3.7 U	4.2 U	4.2 U	4.2 U	3.6 U	3.7 U	3.5 U	3.6 U	1.7 J	4.3 U	4.8 U	4.6 U	1.1 J	4.1 U
Silver	2	36	180	8.3	2.2 J	1.1 J	1.6 J	12.3	1.5 J	0.38 J	2.2 U	2.0 U	0.24 J	1.9 U	2.1 U	2.1 U	2.1 U	0.42 J	1.9 U	1.8 U	9.7	2.4 U	2.1 U	0.98 J	0.63 J	2.3 U	0.46 J
Sodium	NA	NA	NA	NA	1,140 U	1,140 U	1,170 U	88.3 J	310 J	164 J	235 J	1,020 U	97 J	104 J	137 J	88.4 J	1,060 U	147 J	119 J	880 U	235 J	600 J	287 J	1,200 U	1,150 U	151 J	1,020 U
Thallium	NA	NA	NA	NA	4.5 U	4.6 U	4.7 U	4.7 U	4.1 U	4.2 U	4.4 U	4.1 U	4.5 U	3.7 U	4.2 U	4.2 U	4.2 U	3.6 U	3.7 U	3.5 U	3.6 U	4.7 U	4.3 U	4.8 U	4.6 U	4.6 U	4.1 U
Vanadium	NA	NA	NA	NA	3.3 J	3.0 J	2.7 J	6.7 J	19.3	12.1	15.0	5.9 J	12.7	22.1	34.3	33.4	16.1	10.4	14.3	8.2 J	13.6	27.3	20.7	15.1	7.6 J	11.4 J	11.8
Zinc	109	2,200	10,000	2,480	39 J	4.2 J	8.2	93.5	23.6	27.3	20.5	12.0	13.9	40.2	62.2	38.3	26.4	8.0	39.4	15.9	73.3	47.8	31.3	26.3	12.8	28.8	20.4
Mercury	0.18	0.81	0.81	0.73	0.018 U	0.020 U	0.018 U	0.020	0.013 J	0.032	0.018 J	0.017 U	0.026	0.016 J	0.023	0.021 U	0.019 U	0.012 J	0.049	0.026	0.013 J	0.055	0.082	0.041	0.019 J	0.048	0.019

Notes
J : Sample result is greater than the MDL but below the CRDL
U : Indicates analyzed for but not detected.
³ Trivalent chromium SCOs utilized.
Highlighted / bolded indicates analyte **exce**eded above its respective NYSDEC Unrestricted SCO.
Green / **italicized value** indicates analyte **exce**eded its respective unrestricted SCO but was below its respective Residential / Protection of GW SCO, whichever is lower.
Blue / **italicized value** indicates analyte **exce**eded its respective Residential SCO and / or Protection of Groundwater SCO but was below its Restricted Residential SCO.
NA - Not Available
BD : Blind Duplicate

Indicates that sample locations were removed as part of supplemental soil excavation activities.

Table 6-23
TAL Metals Soil Analytical Data
SL-7 / 8 / 9 / 10 Original Sample Location - Post Excavation Data

TAL Metals (mg/kg)	NYSDEC SCOs			SL-7 / 8 / 9 / 10 Original Sample Location													
				Endpoint Soil Samples													
				Side-wall Samples										Bottom Samples			
	Unrestricted	Residential	Protection of Groundwater	SL-EP#84 (4')	SL-EP#85 (1')	SL-EP#86 (3.5')	SL-EP#87 (1')	SL-EP#88 (2.5')	SL-EP#89 (1')	SL-EP#90 (3.5')	SL-EP#91 (1')	SL-EP#92 (3.5')	SL-EP#93 (1')	SL-EP#94 (3.5')	SL-EP#81 (8')	SL-EP#82 (8')	SL-EP#83 (8')
Aluminum	NA	NA	NA	7,670	7,540	6,340	7,580	6,600	6,700	13,300	4,040	4,300	4,110	7,940	5,380	17,800	5,600
Antimony	NA	NA	NA	4.7 U	4.8 U	4.8 U	4.4 U	4.1 U	4.4 U	4.8 U	4.4 U	4.9 U	4.5 U	4.9 U	4.7 U	5.1 U	5.0 U
Arsenic	13	16	16	4.1	3.3 J	1.6 J	4.4	3.4	3.1 J	11.0	5.9	1.3 J	3.5	3.3 J	1.5 J	5.3	1.8 J
Barium	350	350	820	58.8	56.0	37.8 J	69.8	37.9 J	37.0 J	62.6	27.7 J	39.1 J	38.9 J	82.0	31.5 J	179	40.2 J
Beryllium	7.2	14	47	0.45 J	0.40 J	0.27 J	0.40 J	0.28 J	0.21 J	1.3	0.26 J	0.17 J	0.41 J	0.28 J	0.23 J	0.94	0.27 J
Cadmium	2.5	2.5	7.5	0.94 U	0.97 U	0.95 U	0.33 J	0.81 U	0.87 U	0.95 U	1.5	0.97 U	0.76 J	0.97 U	0.93 U	1.0 U	0.31 J
Calcium	NA	NA	NA	1,650	12,800	1,010 J	1,080 J	489 J	1,040 J	1,420	76,200	754 J	2,370	1,620	1,250	1,920	1,050 J
Chromium ¹	30	36	NS	15.8	15.4	10.2	12.0	12.8	17.1	30.0	8.9	9.3	8.0	15.6	12.4	42.4	11.8
Cobalt	NA	NA	NA	6.9 J	4.6 J	1.8 J	3.9 J	3.7 J	2.9 J	4.1 J	2.7 J	1.6 J	4.4 J	4.8 J	5.3 J	30.5	2.5 J
Copper	50	270	1,720	9.6	12.5	7.2	15.6	4.7 J	8.4	20.1	13.2	1.4 J	2,110	13.7	6.9	27.9	4.2 J
Iron	NA	NA	NA	16,300	14,400	6,610	10,900	10,000	10,200	43,500	7,650	3,790	16,100	7,480	8,330	34,800	7,140
Lead	63	400	450	121	34.3	94.9	121	7.1	18.4	13.3	186	5.5	52.1	8.6	4.9	14.2	11.7
Magnesium	NA	NA	NA	1,740	6,970	1,180 J	1,430	1,360	2,350	2,510	44,200	878 J	968 J	2,220	2,030	6,670	1,150 J
Manganese	1,600	2,000	2,000	178	317	44.1	201	76.6	71.7	165	137	46.8	419	123	151	575	101
Nickel	30	140	130	8.9 J	9.2 J	5.5 J	8.7 J	7.2 J	10	13.8	6.6 J	4.2 J	11.5	12.6	11.0	36.1	6.0 J
Potassium	NA	NA	NA	503 J	454 J	359 J	483 J	353 J	1,020 J	1,680	450 J	384 J	313 J	553 J	525 J	4,220	418 J
Selenium	3.9	36	4	1.1 J	4.8 U	4.8 U	4.4 U	4.1 U	4.4 U	4.8 U	4.4 U	4.9 U	4.5 U	4.9 U	4.7 U	5.1 U	5.0 U
Silver	2	36	8.3	116	3.7	0.66 J	0.40 J	2.0 U	300	5.2	61.6	1.1 J	3.5	2.4 U	2.3 U	2.5 U	1.5 J
Sodium	NA	NA	NA	176 J	148 J	1,190 U	83 J	1,010 U	1,090 U	1,190 U	1,100 U	1,210 U	1,120 U	1,220 U	1,160 U	107 J	1,240 U
Thallium	NA	NA	NA	4.7 U	4.8 U	4.8 U	4.4 U	4.1 U	4.4 U	4.8 U	4.4 U	4.9 U	4.5 U	4.9 U	4.7 U	5.1 U	5.0 U
Vanadium	NA	NA	NA	21.8	22.0	14.1	16.0	16.9	16.7	47.4	11.9	5.7 J	11.7	18.0	15.4	41.6	11.4 J
Zinc	109	2,200	2,480	67.6	40.7	59.0	426	19.1	71.5	45.5	67.7	14.0	2,100	37.7	30.6	75.4	242
Mercury	0.18	0.81	0.73	0.10	0.050	0.043	0.060	0.020 U	0.043	0.022 U	0.095	0.020 U	0.047	0.022 U	0.022 U	0.019 J	0.024

TAL Metals (mg/kg)	NYSDEC SCOs			SL-7 / 8 / 9 / 10 Original Sample Location									
				Supplemental Endpoint Soil Samples									
				Bottom Samples		Side-wall Samples							
	Unrestricted	Residential	Protection of Groundwater	SL-EP#128 (10')	SL-EP#129 (10')	SL-EP#130 (4')	SL-EP#131 (4')	SL-EP#132 (4')	SL-EP#133 (4')	SL-EP#134 (4')	SL-EP#135 (2')	SL-EP#136 (2')	SL-EP#194 (4')
Aluminum	NA	NA	NA	9,710	12,900	9,080	7,360	5,010	7,620	4,590	6,990	5,570	10,600
Antimony	NA	NA	NA	4.4 U	3.7 U	3.8 U	4.2 U	4.4 U	4.6 U	4.4 U	4.1 U	4.1 U	3.2 U
Arsenic	13	16	16	1.3 J	3.9	1.2 J	4.6	2.8 J	3.2 J	0.71 J	1.2 J	0.68 J	8.7
Barium	350	350	820	80.5	112	68.5	27.4 J	39.3 J	38.5 J	32.5 J	43.8	35.7 J	56.2
Beryllium	7.2	14	47	0.50	0.75	0.34 J	0.33 J	0.31 J	0.58	0.22 J	0.29 J	0.18 J	0.46 J
Cadmium	2.5	2.5	7.5	0.88 U	0.75 U	0.75 U	0.83 U	0.89 U	0.92 U	0.88 U	0.82 U	0.82 U	0.65 U
Calcium	NA	NA	NA	1,390	1,400	949	654 J	2,030	915 J	2,080	1,290	669 J	1,440
Chromium ¹	30	36	NS	21.3	31.6	23.6	13.0	11.5	16.0	9.2	21.7	12.3	19.3
Cobalt	NA	NA	NA	4.6 J	9.4	2.0 J	5.9 J	3.5 J	5.1 J	2.9 J	4.6 J	4.2 J	16.6
Copper	50	270	1,720	14.2	21.5	9.4	2.7 J	15.6	6.2	4.9 J	7.1	2.9 J	10.8
Iron	NA	NA	NA	8,050	33,400	5,960	23,800	9,230	18,500	6,490	13,300	7,490	51,400
Lead	63	400	450	8.5	11.3	7.2	6.5	69.3	9.8	19.4	6.1	5.3	8.1
Magnesium	NA	NA	NA	2,740	4,760	1,180	1,230	1,690	1,580	1,200	2,520	1,650	2,000
Manganese	1,600	2,000	2,000	89.2	172	66.7	113	159	247	86.0	362	126	1,290
Nickel	30	140	130	15.2	20.8	7.3 J	5.9 J	8.2 J	8.6 J	5.8 J	10.0	7.6 J	9.4
Potassium	NA	NA	NA	978 J	3,150	650 J	284 J	457 J	604 J	281 J	901 J	457 J	687 J
Selenium	3.9	36	4	4.4 U	3.7 U	3.8 U	4.2 U	4.4 U	4.6 U	4.4 U	4.1 U	4.1 U	2.7 J
Silver	2	36	8.3	2.2 U	1.9 U	1.9 U	2.1 U	9.3	2.3 U	2.2 U	2.1 U	0.51 J	0.52 J
Sodium	NA	NA	NA	1,100 U	72.6 J	941 U	1,040 U	91.1 J	1,150 U	1,110 U	1,030 U	1,020 U	82.6 J
Thallium	NA	NA	NA	4.4 U	3.7 U	3.8 U	4.2 U	4.4 U	4.6 U	4.4 U	4.1 U	4.1 U	3.2 U
Vanadium	NA	NA	NA	25.6	39.4	18.2	19.2	13.8	28.5	11.2	20.1	11.1	27.2
Zinc	109	2,200	2,480	50.8	52.4	35.3	27.2	58.8	22.7	18.8	17.4	20.2	25.5
Mercury	0.18	0.81	0.73	0.017 J	0.019 U	0.019 U	0.014 J	0.14	0.016 J	0.014 J	0.019 U	0.020 U	0.019 U

Notes
J : Sample result is greater than the MDL but below the CRDL
U : Indicates analyzed for but not detected.
¹ Trivalent chromium SCOs utilized.
Highlighted / bolded indicates analyte exceeded above its respective NYSDEC Unrestricted SCO.
Green / italicized value indicates analyte exceeded its respective unrestricted SCO but was below its respective Residential / Protection of GW SCO, whichever is lower.
NA - Not Available



Table 6-24
TAL Metals Soil Analytical Data
SL-12 Original Sample Location - Post Excavation Data

TAL Metals (mg/kg)	NYSDEC SCOs			Post-excavation End-point Soil Analytical Data											
				SL-12 Original Sample Location											
				Side-wall Samples				Bottom Sample	Supplemental Bottom Samples			Supplemental Sidewall Samples			
	Unrestricted	Residential	Protection of Groundwater	SL-EP#67 (1')	SL-EP#68 (1')	SL-EP#69 (1')	SL-EP#70 (1')	SL-EP#66 (2')	SL-EP#111 (4')	SL-EP# 112 (4')	SL-EP# 113 (4')	SL-EP# 114 (1')	SL-EP# 115 (1')	SL-EP# 116 (1')	SL-EP# 117 (1')
Aluminum	NA	NA	NA	6,550	5,860	6,540	3,530	3,140	3,470	6,680	4,540	6,290	5,380	7,660	5,270
Antimony	NA	NA	NA	4.0 U	3.5 U	3.5 U	3.6 U	4.1 U	4.0 U	4.0 U	3.4 U	4.1 U	3.8 U	3.1 U	3.6 U
Arsenic	13	16	16	5.5	1.6 J	2.0 J	1.4 J	1.6 J	0.65 J	2.2 J	4.3	2.7 J	4.5	2.5	1.9 J
Barium	350	350	820	75.2	13.4 J	50.2	27.5 J	27.7 J	19.4 J	30.5 J	64.6	59.9	95.0	17.6 J	20.8 J
Beryllium	7.2	14	47	0.48	0.11 J	0.21 J	0.18 J	0.15 J	0.40 U	0.27 J	0.25 J	0.30 J	0.24 J	0.23 J	0.20 J
Cadmium	2.5	2.5	7.5	2.5	0.69 U	1.1	0.57 J	1.0	0.80 U	2.8	0.69 U	1.4	0.24 J	0.62 U	0.73 U
Calcium	NA	NA	NA	37,900	492 J	4,500	6,710	3,710	685 J	6,850	2,220	1,340	3,140	289 J	564 J
Chromium ¹	30	36	NS	69.5	6.3	10.7	7.3	7.7	7.9	11.8	10.6	16.0	45.3	8.2	6.9
Cobalt	NA	NA	NA	6.5 J	2.7 J	3.7 J	2.6 J	2.7 J	2.3 J	4.2 J	5.0 J	6.7 J	5.8 J	3.1 J	2.2 J
Copper	50	270	1,720	15.0	3.3 J	20.8	6.4	5.5	1.7 J	9.9	7.0	18.3	11.1	4.2	3.4 J
Iron	NA	NA	NA	26,500	7,830	10,900	6,610	7,700	4,850	11,200	17,900	10,500	18,900	9,440	6,580
Lead	63	400	450	25.5	5.3	16.7	31.3	13.6	3.3	14.3	10.7	41.8	13.4	6.2	7.8
Magnesium	NA	NA	NA	23,300	818 J	3,050	4,460	2,740	1,180	3,840	1,960	1,720	2,670	987	727 J
Manganese	1,600	2,000	2,000	736	109	193	132	351	57.3	263	1190	316	1,200	126	116
Nickel	30	140	130	13.7	4.7 J	9.0	5.5 J	5.6 J	5.0 J	8.5	8.9	11.1	11.0	5.1 J	4.0 J
Potassium	NA	NA	NA	1,160	246 J	409 J	587 J	593 J	327 J	636 J	599 J	782 J	1020	296 J	232 J
Selenium	3.9	36	4	4.0 U	3.5 U	3.5 U	3.6 U	4.1 U	4.0 U	4.0 U	3.4 U	0.95 J	3.8 U	3.1 U	3.6 U
Silver	2	36	8.3	15.9	0.86 J	15.8	1.7 J	4.3	0.20 J	34.8	0.50 J	11.0	4.8	1.5 U	1.2 J
Sodium	NA	NA	NA	224 J	868 U	71.3 J	912 U	98.6 J	995 U	83.4 J	91.3 J	93.2 J	144 J	769 U	907 U
Thallium	NA	NA	NA	4.0 U	3.5 U	3.5 U	3.6 U	4.1 U	4.0 U	4.0 U	3.4 U	4.1 U	3.8 U	3.1 U	3.6 U
Vanadium	NA	NA	NA	20.9	10.1	18.8	9.1	9.1 J	7.8 J	20.4	12.3	17.6	18.2	12.8	9.2
Zinc	109	2,200	2,480	56.6	14.1	44.6	29.2	17.4	13.9	36.3	24.8	62.2	39.6	14.3	12.2
Mercury	0.18	0.81	0.73	0.57	0.027	0.044	0.022	0.026	0.020 U	0.079	0.025	0.039	0.30	0.019 U	0.055

TAL Metals (mg/kg)	NYSDEC SCOs			Post-excavation End-point Soil Analytical Data			
				SL-12 Original Sample Location			
				Supplemental Bottom Samples		Supplemental Sidewall Samples	
	Unrestricted	Residential	Protection of Groundwater	SL-EP#183 (6')	SL-EP#184 (6')	SL-EP#185 (1')	SL-EP#186 (1')
Aluminum	NA	NA	NA	3,050	8,580	7,930	9,400
Antimony	NA	NA	NA	4.0 U	4.2 U	4.2 U	4.6 U
Arsenic	13	16	16	1.9 J	2.5 J	2.3 J	2.6 J
Barium	350	350	820	21.6 J	49.2	46.9	51.6
Beryllium	7.2	14	47	0.21 J	0.46	0.42	0.48
Cadmium	2.5	2.5	7.5	0.80 U	0.84 U	0.84 U	0.93 U
Calcium	NA	NA	NA	723 J	1,790	1,520	1,500
Chromium ¹	30	36	NS	7.8	13.3	13.0	13.5
Cobalt	NA	NA	NA	2.2 J	5.0 J	10.2 J	4.6 J
Copper	50	270	1,720	5.9	10.4	9.8	11.0
Iron	NA	NA	NA	6,270	10,500	9,590	10,900
Lead	63	400	450	6.1	6.8	6.1	6.6
Magnesium	NA	NA	NA	940 J	2,370	2,270	2,500
Manganese	1,600	2,000	2,000	216	133	243	155
Nickel	30	140	130	4.9 J	11.3	11.5	11.6
Potassium	NA	NA	NA	480 J	658 J	578 J	756 J
Selenium	3.9	36	4	4.0 U	4.2 U	4.2 U	4.6 U
Silver	2	36	8.3	0.81 J	0.91 J	2.1 U	2.3 U
Sodium	NA	NA	NA	998 U	122 J	97.8 J	114 J
Thallium	NA	NA	NA	4.0 U	4.2 U	4.2 U	4.6 U
Vanadium	NA	NA	NA	9.6 J	20.8	18.5	20.6
Zinc	109	2,200	2,480	17.2	31.9	28.8	29.3
Mercury	0.18	0.81	0.73	0.018	0.021 U	0.018 U	0.019 U

Notes
J : Sample result is greater than the MDL but below the CRDL
U : Indicates analyzed for but not detected.
¹ Trivalent chromium SCOs utilized.
Highlighted / bolded indicates analyte exceeded above its respective NYSDEC Unrestricted SCO.
NA - Not Available



Table 6-25
TCL SVOC Soil Analytical Data
SL-20 / SL-21 / SL-22 Original Sample Locations - Post Excavation Data

TCL SVOCs (mg/kg)	NYSDEC Unrestricted SCO	SL-20 / SL-21 / SL-22 Original Sample Locations - Post Excavation Data									
		End Pont Soil Samples									
		Bottom Samples									
		SL-EP#17	SL-EP#18	SL-EP#19	SL-EP#20	SL-EP#21	SL-EP#22	SL-EP#23	SL-EP#24 (5.5')		SL-EP#25
		(5.5')	(5.5')	(5.5')	(5.5')	(5.5')	(5.5')	(5.5')	Low Level	Dilute	(5.5')
1,2,4,5-Tetrachlorobenzene	NA	0.41 U	0.37 U	0.40 U	0.40 U	0.39 U	0.41 U	0.40 U	0.45 U	2.3 U	1.9 U
1,4-Dioxane	0.1	0.41 U	0.37 U	0.40 U	0.40 U	0.39 U	0.41 U	0.40 U	0.45 U	2.3 U	1.9 U
2,2'-oxybis[1-chloropropane]	NA	0.41 U	0.37 U	0.40 U	0.40 U	0.39 U	0.41 U	0.40 U	0.45 U	2.3 U	1.9 U
2,3,4,6-Tetrachlorophenol	NA	0.41 U	0.37 U	0.40 U	0.40 U	0.39 U	0.41 U	0.40 U	0.45 U	2.3 U	1.9 U
2,4,5-Trichlorophenol	NA	0.41 U	0.37 U	0.40 U	0.40 U	0.39 U	0.41 U	0.40 U	0.45 U	2.3 U	1.9 U
2,4,6-Trichlorophenol	NA	0.41 U	0.37 U	0.40 U	0.40 U	0.39 U	0.41 U	0.40 U	0.45 U	2.3 U	1.9 U
2,4-Dichlorophenol	NA	0.41 U	0.37 U	0.40 U	0.40 U	0.39 U	0.41 U	0.40 U	0.45 U	2.3 U	1.9 U
2,4-Dimethylphenol	NA	0.41 U	0.37 U	0.40 U	0.40 U	0.39 U	0.41 U	0.40 U	0.45 U	2.3 U	1.9 U
2,4-Dinitrophenol	NA	1.2 U	1.1 U	1.2 U	1.2 U	1.2 U	1.3 U	1.2 U	1.4 U	6.8 U	5.8 U
2,4-Dinitrotoluene	NA	0.083 U	0.075 U	0.081 U	0.082 U	0.080 U	0.084 U	0.081 U	0.092 U	0.46 U	0.39 U
2,6-Dinitrotoluene	NA	0.083 U	0.075 U	0.081 U	0.082 U	0.080 U	0.084 U	0.081 U	0.092 U	0.46 U	0.39 U
2-Chloronaphthalene	NA	0.41 U	0.37 U	0.40 U	0.40 U	0.39 U	0.41 U	0.40 U	0.45 U	2.3 U	1.9 U
2-Chlorophenol	NA	0.41 U	0.37 U	0.40 U	0.40 U	0.39 U	0.41 U	0.40 U	0.45 U	2.3 U	1.9 U
2-Methylnaphthalene	NA	0.41 U	0.37 U	0.40 U	0.40 U	0.39 U	0.41 U	0.40 U	0.45 U	2.3 U	1.9 U
2-Methylphenol	0.33	0.41 U	0.37 U	0.40 U	0.40 U	0.39 U	0.41 U	0.40 U	0.45 U	2.3 U	1.9 U
2-Nitroaniline	NA	0.83 U	0.75 U	0.81 U	0.82 U	0.80 U	0.84 U	0.81 U	0.92 U	4.6 U	3.9 U
2-Nitrophenol	NA	0.41 U	0.37 U	0.40 U	0.40 U	0.39 U	0.41 U	0.40 U	0.45 U	2.3 U	1.9 U
3,3'-Dichlorobenzidine	NA	0.83 U	0.75 U	0.81 U	0.82 U	0.80 U	0.84 U	0.81 U	0.92 U	4.6 U	3.9 U
3-Nitroaniline	NA	0.83 U	0.75 U	0.81 U	0.82 U	0.80 U	0.84 U	0.81 U	0.92 U	4.6 U	3.9 U
4,6-Dinitro-2-methylphenol	NA	1.2 U	1.1 U	1.2 U	1.2 U	1.2 U	1.3 U	1.2 U	1.4 U	6.8 U	5.8 U
4-Bromophenyl phenyl ether	NA	0.41 U	0.37 U	0.40 U	0.40 U	0.39 U	0.41 U	0.40 U	0.45 U	2.3 U	1.9 U
4-Chloro-3-methylphenol	NA	0.41 U	0.37 U	0.40 U	0.40 U	0.39 U	0.41 U	0.40 U	0.45 U	2.3 U	1.9 U
4-Chloroaniline	NA	0.41 U	0.37 U	0.40 U	0.40 U	0.39 U	0.41 U	0.40 U	0.45 U	2.3 U	1.9 U
4-Chlorophenyl phenyl ether	NA	0.41 U	0.37 U	0.40 U	0.40 U	0.39 U	0.41 U	0.40 U	0.45 U	2.3 U	1.9 U
4-Methylphenol	0.33	0.41 U	0.37 U	0.40 U	0.40 U	0.39 U	0.41 U	0.40 U	0.45 U	2.3 U	1.9 U
4-Nitroaniline	NA	0.83 U	0.75 U	0.81 U	0.82 U	0.80 U	0.84 U	0.81 U	0.92 U	4.6 U	3.9 U
4-Nitrophenol	NA	1.2 U	1.1 U	1.2 U	1.2 U	1.2 U	1.3 U	1.2 U	1.4 U	6.8 U	5.8 U
Acenaphthene	20	0.41 U	0.37 U	0.40 U	0.40 U	0.39 U	0.41 U	0.40 U	0.45 U	2.3 U	0.019 J
Acenaphthylene	100	0.41 U	0.37 U	0.40 U	0.40 U	0.39 U	0.41 U	0.40 U	0.45 U	2.3 U	1.9 U
Acetophenone	NA	0.015 J	0.017 J	0.0083 J	0.0085 J	0.014 J	0.0093 J	0.0063 J	0.016 J	2.3 U	1.9 U
Anthracene	100	0.41 U	0.00073 J	0.40 U	0.40 U	0.39 U	0.0010 J	0.40 U	0.45 U	2.3 U	0.036 J
Atrazine	NA	0.41 U	0.37 U	0.40 U	0.40 U	0.39 U	0.41 U	0.40 U	0.45 U	2.3 U	1.9 U
Benzaldehyde	NA	0.038 J	0.035 J	0.40 U	0.038 J	0.037 J	0.41 U	0.40 U	0.45 U R	2.3 U R	1.9 U R
Benzo[a]anthracene	1	0.0025 J	0.0058 J	0.0046 J	0.0019 J	0.0038 J	0.0039 J	0.0021 J	0.0077 J	0.23 U	0.22
Benzo[a]pyrene	1	0.0023 J	0.0048 J	0.0039 J	0.0040 U	0.0044 J	0.0041 J	0.0019 J	0.0045 U	0.23 U	0.19
Benzo[b]fluoranthene	1	0.0031 J	0.0072	0.0054	0.0037 U	0.0055	0.0053	0.0023 J	0.013	0.021 U	0.19
Benzo[g,h,i]perylene	100	0.0022 J	0.0046 J	0.0053 J	0.40 U	0.0040 J	0.0035 J	0.0031 J	0.45 U	2.3 U	0.16 J
Benzo[k]fluoranthene	0.8	0.041 U	0.0025 J	0.0028 J	0.040 U	0.039 U	0.041 U	0.040 U	0.045 U	0.23 U	0.079 J
Bis(2-chloroethoxy)methane	NA	0.41 U	0.37 U	0.40 U	0.40 U	0.39 U	0.41 U	0.40 U	0.45 U	2.3 U	1.9 U
Bis(2-chloroethyl)ether	NA	0.041 U	0.037 U	0.040 U	0.040 U	0.039 U	0.041 U	0.040 U	0.045 U	0.23 U	0.19 U
Bis(2-ethylhexyl) phthalate	NA	0.041 J	0.033 J	0.032 J	0.041 J	0.036 J	0.030 J	0.031 J	0.038 J	2.3 U	1.9 U
Butyl benzyl phthalate	NA	0.028 J	0.028 J	0.025 J	0.025 J	0.030 J	0.024 J	0.025 J	0.45 U	2.3 U	1.9 U
Caprolactam	NA	0.41 U	0.37 U	0.40 U	0.40 U	0.39 U	0.41 U	0.40 U	0.45 U	2.3 U	1.9 U
Carbazole	NA	0.41 U	0.37 U	0.40 U	0.40 U	0.39 U	0.41 U	0.40 U	0.45 U	2.3 U	1.9 U
Chrysene	1	0.0030 J	0.0067 J	0.0055 J	0.0018 J	0.0047 J	0.0045 J	0.0025 J	0.0082 J	2.3 U	0.25 J
Dibenz(a,h)anthracene	0.33	0.041 U	0.037 U	0.040 U	0.040 U	0.039 U	0.041 U	0.040 U	0.045 U	0.23 U	0.034 J
Dibenzofuran	7	0.41 U	0.37 U	0.40 U	0.40 U	0.39 U	0.41 U	0.40 U	0.45 U	2.3 U	1.9 U
Diethyl phthalate	NA	0.019 J B	0.011 J B	0.024 J B	0.020 J B	0.021 J B	0.012 J B	0.019 J B	0.014 J B	2.3 U	0.062 J B
Dimethyl phthalate	NA	0.41 U	0.37 U	0.40 U	0.40 U	0.39 U	0.41 U	0.40 U	0.45 U	2.3 U	1.9 U
Di-n-butyl phthalate	NA	0.41 U	0.37 U	0.40 U	0.40 U	0.39 U	0.41 U	0.40 U	0.45 U	2.3 U	1.9 U
Di-n-octyl phthalate	NA	0.41 U	0.37 U	0.40 U	0.40 U	0.39 U	0.41 U	0.40 U	0.45 U	2.3 U	1.9 U
Diphenyl	NA	0.41 U	0.37 U	0.40 U	0.40 U	0.39 U	0.41 U	0.40 U	0.45 U	2.3 U	1.9 U
Fluoranthene	100	0.0039 J	0.010 J	0.0078 J	0.0023 J	0.0073 J	0.0077 J	0.0034 J	0.0095 J	2.3 U	0.38 J
Fluorene	30	0.41 U	0.37 U	0.40 U	0.40 U	0.39 U	0.41 U	0.40 U	0.45 U	2.3 U	1.9 U
Hexachlorobenzene	0.33	0.041 U	0.037 U	0.040 U	0.040 U	0.039 U	0.041 U	0.040 U	0.045 U	0.23 U	0.19 U
Hexachlorobutadiene	NA	0.083 U	0.075 U	0.081 U	0.082 U	0.080 U	0.084 U	0.081 U	0.092 U	0.46 U	0.39 U
Hexachlorocyclopentadiene	NA	0.41 U	0.37 U	0.40 U	0.40 U	0.39 U	0.41 U	0.40 U	0.45 U	2.3 U	1.9 U
Hexachloroethane	NA	0.041 U	0.037 U	0.040 U	0.040 U	0.039 U	0.041 U	0.040 U	0.045 U	0.23 U	0.19 U
Indeno[1,2,3-cd]pyrene	0.5	0.0017 J	0.0040 J	0.0035 J	0.040 U	0.0028 J	0.0026 J	0.0022 J	0.0045 U	0.23 U	0.11 J
Isophorone	NA	0.41 U	0.37 U	0.40 U	0.40 U	0.39 U	0.41 U	0.40 U	0.45 U	2.3 U	1.9 U
Naphthalene	12	0.41 U	0.37 U	0.40 U	0.40 U	0.39 U	0.41 U	0.40 U	0.45 U	2.3 U	1.9 U
Nitrobenzene	NA	0.041 U	0.037 U	0.040 U	0.040 U	0.039 U	0.041 U	0.040 U	0.045 U	0.23 U	0.19 U
N-Nitrosodi-n-propylamine	NA	0.041 U	0.037 U	0.040 U	0.040 U	0.039 U	0.041 U	0.040 U	0.045 U	0.23 U	0.19 U
N-Nitrosodiphenylamine	NA	0.41 U	0.37 U	0.40 U	0.40 U	0.39 U	0.41 U	0.40 U	0.45 U	2.3 U	1.9 U
Pentachlorophenol	0.8	1.2 U	1.1 U	1.2 U	1.2 U	1.2 U	1.3 U	1.2 U	1.4 U	6.8 U	5.8 U
Phenanthrene	100	0.0024 J	0.0053 J	0.0035 J	0.40 U	0.0025 J	0.0046 J	0.0014 J	0.0087 J	2.3 U	0.31 J
Phenol	0.33	0.41 U	0.37 U	0.40 U	0.40 U	0.39 U	0.41 U	0.40 U	0.45 U	2.3 U	1.9 U
Pyrene	100	0.0048 J	0.012 J	0.0097 J	0.0032 J	0.0081 J	0.0078 J	0.0029 J	0.013 J	2.3 U	0.65 J
Pyridine	NA	0.41 U	0.37 U	0.40 U	0.40 U	0.39 U	0.41 U	0.40 U	0.45 U	2.3 U	1.9 U
Total SVOC TICs	NA	1.455	0.052	ND	ND	0.677	0.109	0.090	1.304	0.340	0.710

Notes
NR: Not Analyzed
ND: TIC not detected
U R : Indicates value is rejected based upon DUSR by third party data validator.
D : The reported value is from a dilution.
J : Indicates an estimated value.
J B : The analyte was found in an associated blank, as well as in the sample.
U : Analyzed for but not detected.



Table 6-25
TCL SVOC Soil Analytical Data
SL-20 / SL-21 / SL-22 Original Sample Locations - Post Excavation Data

TCL SVOCs (mg/kg)	NYSDEC Unrestricted SCO	SL-20 / SL-21 / SL-22 Original Sample Locations - Post Excavation Data									
		End Pont Soil Samples									
		Bottom Samples									
		SL-EP#26 (5.5')	SL-EP#27 (5.5')	SL-EP#28 (5.5')	SL-EP#29 (5.5')	SL-EP#30 (5.5')	SL-EP#31 (5.5')	SL-EP#32 (5.5')	SL-EP#33 (5.5')	SL-EP#34 (5.5')	SL-EP#35 (5.5')
1,2,4,5-Tetrachlorobenzene	NA	4.1 U	0.40 U	2.0 U	0.44 U	1.8 U	1.8 U	0.41 U	1.9 U	1.7 U	4.1 U
1,4-Dioxane	0.1	4.1 U	0.40 U	2.0 U	0.44 U	1.8 U	1.8 U	0.41 U	1.9 U	1.7 U	4.1 U
2,2'-oxybis[1-chloropropane]	NA	4.1 U	0.40 U	2.0 U	0.44 U	1.8 U	1.8 U	0.41 U	1.9 U	1.7 U	4.1 U
2,3,4,6-Tetrachlorophenol	NA	4.1 U	0.40 U	2.0 U	0.44 U	1.8 U	1.8 U	0.41 U	1.9 U	1.7 U	4.1 U
2,4,5-Trichlorophenol	NA	4.1 U	0.40 U	2.0 U	0.44 U	1.8 U	1.8 U	0.41 U	1.9 U	1.7 U	4.1 U
2,4,6-Trichlorophenol	NA	4.1 U	0.40 U	2.0 U	0.44 U	1.8 U	1.8 U	0.41 U	1.9 U	1.7 U	4.1 U
2,4-Dichlorophenol	NA	4.1 U	0.40 U	2.0 U	0.44 U	1.8 U	1.8 U	0.41 U	1.9 U	1.7 U	4.1 U
2,4-Dimethylphenol	NA	4.1 U	0.40 U	2.0 U	0.44 U	1.8 U	1.8 U	0.41 U	1.9 U	1.7 U	4.1 U
2,4-Dinitrophenol	NA	13 U	1.2 U	6.0 U	1.3 U	5.6 U	5.5 U	1.2 U	5.7 U	5.3 U	12 U
2,4-Dinitrotoluene	NA	0.84 U	0.081 U	0.40 U	0.089 U	0.37 U	0.37 U	0.083 U	0.38 U	0.36 U	0.83 U
2,6-Dinitrotoluene	NA	0.84 U	0.081 U	0.40 U	0.089 U	0.37 U	0.37 U	0.083 U	0.38 U	0.36 U	0.83 U
2-Chloronaphthalene	NA	4.1 U	0.40 U	2.0 U	0.44 U	1.8 U	1.8 U	0.41 U	1.9 U	1.7 U	4.1 U
2-Chlorophenol	NA	4.1 U	0.40 U	2.0 U	0.44 U	1.8 U	1.8 U	0.41 U	1.9 U	1.7 U	4.1 U
2-Methylnaphthalene	NA	4.1 U	0.40 U	2.0 U	0.44 U	1.8 U	1.8 U	0.41 U	1.9 U	1.7 U	0.047 J
2-Methylphenol	0.33	4.1 U	0.40 U	2.0 U	0.44 U	1.8 U	1.8 U	0.41 U	1.9 U	1.7 U	4.1 U
2-Nitroaniline	NA	8.4 U	0.81 U	4.0 U	0.89 U	3.7 U	3.7 U	0.83 U	3.8 U	3.6 U	8.3 U
2-Nitrophenol	NA	4.1 U	0.40 U	2.0 U	0.44 U	1.8 U	1.8 U	0.41 U	1.9 U	1.7 U	4.1 U
3,3'-Dichlorobenzidine	NA	8.4 U	0.81 U	4.0 U	0.89 U	3.7 U	3.7 U	0.83 U	3.8 U	3.6 U	8.3 U
3-Nitroaniline	NA	8.4 U	0.81 U	4.0 U	0.89 U	3.7 U	3.7 U	0.83 U	3.8 U	3.6 U	8.3 U
4,6-Dinitro-2-methylphenol	NA	13 U	1.2 U	6.0 U	1.3 U	5.6 U	5.5 U	1.2 U	5.7 U	5.3 U	12 U
4-Bromophenyl phenyl ether	NA	4.1 U	0.40 U	2.0 U	0.44 U	1.8 U	1.8 U	0.41 U	1.9 U	1.7 U	4.1 U
4-Chloro-3-methylphenol	NA	4.1 U	0.40 U	2.0 U	0.44 U	1.8 U	1.8 U	0.41 U	1.9 U	1.7 U	4.1 U
4-Chloroaniline	NA	4.1 U	0.40 U	2.0 U	0.44 U	1.8 U	1.8 U	0.41 U	1.9 U	1.7 U	4.1 U
4-Chlorophenyl phenyl ether	NA	4.1 U	0.40 U	2.0 U	0.44 U	1.8 U	1.8 U	0.41 U	1.9 U	1.7 U	4.1 U
4-Methylphenol	0.33	4.1 U	0.40 U	2.0 U	0.44 U	1.8 U	1.8 U	0.41 U	1.9 U	1.7 U	4.1 U
4-Nitroaniline	NA	8.4 U	0.81 U	4.0 U	0.89 U	3.7 U	3.7 U	0.83 U	3.8 U	3.6 U	8.3 U
4-Nitrophenol	NA	13 U	1.2 U	6.0 U	1.3 U	5.6 U	5.5 U	1.2 U	5.7 U	5.3 U	12 U
Acenaphthene	20	4.1 U	0.40 U	2.0 U	0.44 U	1.8 U	1.8 U	0.41 U	1.9 U	1.7 U	0.14 J
Acenaphthylene	100	4.1 U	0.40 U	2.0 U	0.44 U	1.8 U	1.8 U	0.41 U	1.9 U	1.7 U	0.031 J
Acetophenone	NA	4.1 U	0.011 J	2.0 U	0.017 J	1.8 U	1.8 U	0.013 J	1.9 U	1.7 U	4.1 U
Anthracene	100	4.1 U	0.40 U	2.0 U	0.0024 J	1.8 U	1.8 U	0.41 U	1.9 U	1.7 U	0.23 J
Atrazine	NA	4.1 U	0.40 U	2.0 U	0.44 U	1.8 U	1.8 U	0.41 U	1.9 U	1.7 U	4.1 U
Benzaldehyde	NA	4.1 U R	0.40 U R	2.0 U R	0.44 U R	1.8 U R	1.8 U R	0.41 U R	1.9 U R	1.7 U R	4.1 U R
Benzo[a]anthracene	1	0.072 J	0.040 U	0.20 U	0.032 J	0.039 J	0.18 U	0.041 U	0.19 U	0.012 J	0.40 J
Benzo[a]pyrene	1	0.053 J	0.040 U	0.20 U	0.030 J	0.024 J	0.18 U	0.041 U	0.19 U	0.017 U	0.30 J
Benzo[b]fluoranthene	1	0.097	0.0036 U	0.018 U	0.039	0.059	0.017 U	0.0037 U	0.017 U	0.016 U	0.35
Benzo[g,h,i]perylene	100	0.060 J	0.40 U	2.0 U	0.030 J	0.027 J	1.8 U	0.41 U	1.9 U	1.7 U	0.23 J
Benzo[k]fluoranthene	0.8	0.041 J	0.040 U	0.20 U	0.0098 J	0.18 U	0.18 U	0.041 U	0.19 U	0.17 U	0.41 U
Bis(2-chloroethoxy)methane	NA	4.1 U	0.40 U	2.0 U	0.44 U	1.8 U	1.8 U	0.41 U	1.9 U	1.7 U	4.1 U
Bis(2-chloroethyl)ether	NA	0.41 U	0.040 U	0.20 U	0.044 U	0.18 U	0.18 U	0.041 U	0.19 U	0.17 U	0.41 U
Bis(2-ethylhexyl) phthalate	NA	4.1 U	0.40 U	2.0 U	0.44 U	0.039 J	0.041 J	0.058 J	1.9 U	1.7 U	4.1 U
Butyl benzyl phthalate	NA	4.1 U	0.40 U	2.0 U	0.44 U	1.8 U	1.8 U	0.41 U	1.9 U	1.7 U	4.1 U
Caprolactam	NA	4.1 U	0.40 U	2.0 U	0.44 U	1.8 U	1.8 U	0.41 U	1.9 U	1.7 U	4.1 U
Carbazole	NA	4.1 U	0.40 U	2.0 U	0.44 U	1.8 U	1.8 U	0.41 U	1.9 U	1.7 U	4.1 U
Chrysene	1	0.070 J	0.40 U	2.0 U	0.035 J	0.035 J	1.8 U	0.41 U	1.9 U	0.012 J	0.45 J
Dibenz(a,h)anthracene	0.33	0.41 U	0.040 U	0.20 U	0.0042 J	0.18 U	0.18 U	0.041 U	0.19 U	0.17 U	0.41 U
Dibenzofuran	7	4.1 U	0.40 U	2.0 U	0.44 U	1.8 U	1.8 U	0.41 U	1.9 U	1.7 U	4.1 U
Diethyl phthalate	NA	0.17 J B	0.015 J B	0.046 J B	0.016 J B	0.058 J B	0.032 J B	0.011 J B	0.036 J B	0.046 J B	0.089 J B
Dimethyl phthalate	NA	4.1 U	0.40 U	2.0 U	0.44 U	1.8 U	1.8 U	0.41 U	1.9 U	1.7 U	4.1 U
Di-n-butyl phthalate	NA	4.1 U	0.40 U	2.0 U	0.44 U	1.8 U	1.8 U	0.41 U	1.9 U	1.7 U	4.1 U
Di-n-octyl phthalate	NA	4.1 U	0.40 U	2.0 U	0.44 U	1.8 U	1.8 U	0.41 U	1.9 U	1.7 U	4.1 U
Diphenyl	NA	4.1 U	0.40 U	2.0 U	0.44 U	1.8 U	1.8 U	0.41 U	1.9 U	1.7 U	4.1 U
Fluoranthene	100	0.084 J	0.40 U	0.016 J	0.039 J	0.071 J	0.0080 J	0.41 U	1.9 U	0.016 J	0.60 J
Fluorene	30	4.1 U	0.40 U	2.0 U	0.44 U	1.8 U	1.8 U	0.41 U	1.9 U	1.7 U	0.12 J
Hexachlorobenzene	0.33	0.41 U	0.040 U	0.20 U	0.044 U	0.18 U	0.18 U	0.041 U	0.19 U	0.17 U	0.41 U
Hexachlorobutadiene	NA	0.84 U	0.081 U	0.40 U	0.089 U	0.37 U	0.37 U	0.083 U	0.38 U	0.36 U	0.83 U
Hexachlorocyclopentadiene	NA	4.1 U	0.40 U	2.0 U	0.44 U	1.8 U	1.8 U	0.41 U	1.9 U	1.7 U	4.1 U
Hexachloroethane	NA	0.41 U	0.040 U	0.20 U	0.044 U	0.18 U	0.18 U	0.041 U	0.19 U	0.17 U	0.41 U
Indeno[1,2,3-cd]pyrene	0.5	0.027 J	0.040 U	0.20 U	0.020 J	0.023 J	0.18 U	0.041 U	0.19 U	0.17 U	0.19 J
Isophorone	NA	4.1 U	0.40 U	2.0 U	0.44 U	1.8 U	1.8 U	0.41 U	1.9 U	1.7 U	4.1 U
Naphthalene	12	4.1 U	0.40 U	2.0 U	0.44 U	1.8 U	1.8 U	0.41 U	1.9 U	1.7 U	4.1 U
Nitrobenzene	NA	0.41 U	0.040 U	0.20 U	0.044 U	0.18 U	0.18 U	0.041 U	0.19 U	0.17 U	0.41 U
N-Nitrosodi-n-propylamine	NA	0.41 U	0.040 U	0.20 U	0.044 U	0.18 U	0.18 U	0.041 U	0.19 U	0.17 U	0.41 U
N-Nitrosodiphenylamine	NA	4.1 U	0.40 U	2.0 U	0.44 U	1.8 U	1.8 U	0.41 U	1.9 U	1.7 U	4.1 U
Pentachlorophenol	0.8	13 U	1.2 U	6.0 U	1.3 U	5.6 U	5.5 U	1.2 U	5.7 U	5.3 U	12 U
Phenanthrene	100	0.035 J	0.40 U	2.0 U	0.0071 J	0.046 J	1.8 U	0.41 U	1.9 U	1.7 U	1.0 J
Phenol	0.33	4.1 U	0.40 U	2.0 U	0.44 U	1.8 U	1.8 U	0.41 U	1.9 U	1.7 U	4.1 U
Pyrene	100	0.12 J	0.40 U	0.016 J	0.057 J	0.090 J	0.013 J	0.41 U	0.018 J	0.016 J	1.2 J
Pyridine	NA	4.1 U	0.40 U	2.0 U	0.44 U	1.8 U	1.8 U	0.41 U	1.9 U	1.7 U	4.1 U
Total SVOC TICS	NA	0.470	0.339	8.056	0.212	0.170	0.235	1.075	0.220	0.390	2.150

Notes
NR: Not Analyzed
ND: TIC not detected
U R : Indicates value is rejected based upon DUSR by third party data validator.
D : The reported value is from a dilution.
J : Indicates an estimated value.
J B : The analyte was found in an associated blank, as well as in the sample.
U : Analyzed for but not detected.



Table 6-25
TCL SVOC Soil Analytical Data
SL-20 / SL-21 / SL-22 Original Sample Locations - Post Excavation Data

TCL SVOCs (mg/kg)	NYSDEC Unrestricted SCO	SL-20 / SL-21 / SL-22 Original Sample Locations - Post Excavation Data									
		End Pont Soil Samples									
		Bottom Samples									
		SL-EP#36 (5.5')	SL-EP#37 (5.5')	SL-EP#38 (5.5')	SL-EP#39 (5.5')	SL-EP#40 (5.5')	SL-EP#41 (5.5')	SL-EP#42 (5.5')	SL-EP#43 (5.5')	SL-EP#44 (5.5')	
1,2,4,5-Tetrachlorobenzene	NA	3.8 U	2.1 U	2.2 U	3.9 U	0.40 U	0.36 U	4.0 U	4.0 U	0.41 U	
1,4-Dioxane	0.1	3.8 U	2.1 U	2.2 U	3.9 U	0.40 U	0.36 U	4.0 U	4.0 U	0.41 U	
2,2'-oxybis[1-chloropropane]	NA	3.8 U	2.1 U	2.2 U	3.9 U	0.40 U	0.36 U	4.0 U	4.0 U	0.41 U	
2,3,4,6-Tetrachlorophenol	NA	3.8 U	2.1 U	2.2 U	3.9 U	0.40 U	0.36 U	4.0 U	4.0 U	0.41 U	
2,4,5-Trichlorophenol	NA	3.8 U	2.1 U	2.2 U	3.9 U	0.40 U	0.36 U	4.0 U	4.0 U	0.41 U	
2,4,6-Trichlorophenol	NA	3.8 U	2.1 U	2.2 U	3.9 U	0.40 U	0.36 U	4.0 U	4.0 U	0.41 U	
2,4-Dichlorophenol	NA	3.8 U	2.1 U	2.2 U	3.9 U	0.40 U	0.36 U	4.0 U	4.0 U	0.41 U	
2,4-Dimethylphenol	NA	3.8 U	2.1 U	2.2 U	3.9 U	0.40 U	0.36 U	4.0 U	4.0 U	0.41 U	
2,4-Dinitrophenol	NA	1.1 U	6.2 U	6.6 U	1.2 U	1.2 U	1.1 U	1.2 U	1.2 U	1.3 U	
2,4-Dinitrotoluene	NA	0.76 U	0.42 U	0.44 U	0.80 U	0.082 U	0.073 U	0.82 U	0.80 U	0.084 U	
2,6-Dinitrotoluene	NA	0.76 U	0.42 U	0.44 U	0.80 U	0.082 U	0.073 U	0.82 U	0.80 U	0.084 U	
2-Chloronaphthalene	NA	3.8 U	2.1 U	2.2 U	3.9 U	0.40 U	0.36 U	4.0 U	4.0 U	0.41 U	
2-Chlorophenol	NA	3.8 U	2.1 U	2.2 U	3.9 U	0.40 U	0.36 U	4.0 U	4.0 U	0.41 U	
2-Methylnaphthalene	NA	0.025 J	2.1 U	2.2 U	0.023 J	0.40 U	0.36 U	4.0 U	4.0 U	0.0026 J	
2-Methylphenol	0.33	3.8 U	2.1 U	2.2 U	3.9 U	0.40 U	0.36 U	4.0 U	4.0 U	0.41 U	
2-Nitroaniline	NA	7.6 U	4.2 U	4.4 U	8.0 U	0.82 U	0.73 U	8.2 U	8.0 U	0.84 U	
2-Nitrophenol	NA	3.8 U	2.1 U	2.2 U	3.9 U	0.40 U	0.36 U	4.0 U	4.0 U	0.41 U	
3,3'-Dichlorobenzidine	NA	7.6 U	4.2 U	4.4 U	8.0 U	0.82 U	0.73 U	8.2 U	8.0 U	0.84 U	
3-Nitroaniline	NA	7.6 U	4.2 U	4.4 U	8.0 U	0.82 U	0.73 U	8.2 U	8.0 U	0.84 U	
4,6-Dinitro-2-methylphenol	NA	1.1 U	6.2 U	6.6 U	1.2 U	1.2 U	1.1 U	1.2 U	1.2 U	1.3 U	
4-Bromophenyl phenyl ether	NA	3.8 U	2.1 U	2.2 U	3.9 U	0.40 U	0.36 U	4.0 U	4.0 U	0.41 U	
4-Chloro-3-methylphenol	NA	3.8 U	2.1 U	2.2 U	3.9 U	0.40 U	0.36 U	4.0 U	4.0 U	0.41 U	
4-Chloroaniline	NA	3.8 U	2.1 U	2.2 U	3.9 U	0.40 U	0.36 U	4.0 U	4.0 U	0.41 U	
4-Chlorophenyl phenyl ether	NA	3.8 U	2.1 U	2.2 U	3.9 U	0.40 U	0.36 U	4.0 U	4.0 U	0.41 U	
4-Methylphenol	0.33	3.8 U	2.1 U	2.2 U	3.9 U	0.40 U	0.36 U	4.0 U	4.0 U	0.41 U	
4-Nitroaniline	NA	7.6 U	4.2 U	4.4 U	8.0 U	0.82 U	0.73 U	8.2 U	8.0 U	0.84 U	
4-Nitrophenol	NA	1.1 U	6.2 U	6.6 U	1.2 U	1.2 U	1.1 U	1.2 U	1.2 U	1.3 U	
Acenaphthene	20	3.8 U	0.0089 J	2.2 U	0.17 J	0.40 U	0.36 U	0.032 J	0.042 J	0.037 J	
Acenaphthylene	100	0.084 J	2.1 U	2.2 U	3.9 U	0.40 U	0.36 U	4.0 U	4.0 U	0.014 J	
Acetophenone	NA	3.8 U	2.1 U	2.2 U	3.9 U	0.012 J	0.0093 J	0.041 J	4.0 U	0.014 J	
Anthracene	100	0.094 J	0.027 J	0.011 J	0.30 J	0.40 U	0.36 U	0.062 J	0.12 J	0.10 J	
Atrazine	NA	3.8 U	2.1 U	2.2 U	3.9 U	0.40 U	0.36 U	4.0 U	4.0 U	0.41 U	
Benzaldehyde	NA	3.8 U R	2.1 U R	2.2 U R	3.9 U R	0.40 U R	0.36 U R	4.0 U R	4.0 U	0.040 J	
Benzo[a]anthracene	1	0.54	0.089 J	0.064 J	0.92	0.040 U	0.0042 J	0.27 J	0.30 J	0.31	
Benzo[a]pyrene	1	0.39	0.060 J	0.060 J	0.80	0.040 U	0.0027 J	0.24 J	0.28 J	0.25	
Benzo[b]fluoranthene	1	0.45	0.11	0.10	0.92	0.0037 U	0.0061	0.30	0.33	0.25	
Benzo[g,h,i]perylene	100	0.40 J	0.053 J	0.056 J	0.63 J	0.40 U	0.36 U	0.20 J	0.21 J	0.17 J	
Benzo[k]fluoranthene	0.8	0.18 J	0.21 U	0.015 J	0.51	0.040 U	0.0017 J	0.16 J	0.082 J	0.10	
Bis(2-chloroethoxy)methane	NA	3.8 U	2.1 U	2.2 U	3.9 U	0.40 U	0.36 U	4.0 U	4.0 U	0.41 U	
Bis(2-chloroethyl)ether	NA	0.38 U	0.21 U	0.22 U	0.39 U	0.040 U	0.036 U	0.40 U	0.40 U	0.041 U	
Bis(2-ethylhexyl) phthalate	NA	0.066 J	2.1 U	2.2 U	3.9 U	0.014 J	0.012 J	4.0 U	0.37 J	0.15 J	
Butyl benzyl phthalate	NA	3.8 U	2.1 U	2.2 U	3.9 U	0.0085 J	0.0049 J	4.0 U	4.0 U	0.029 J	
Caprolactam	NA	3.8 U	2.1 U	2.2 U	3.9 U	0.40 U	0.36 U	4.0 U	4.0 U	0.41 U	
Carbazole	NA	3.8 U	2.1 U	2.2 U	0.11 J	0.40 U	0.36 U	4.0 U	0.028 J	0.013 J	
Chrysene	1	0.59 J	0.10 J	0.091 J	1.1 J	0.40 U	0.0027 J	0.32 J	0.33 J	0.32 J	
Dibenz[a,h]anthracene	0.33	0.12 J	0.21 U	0.22 U	0.39 U	0.040 U	0.036 U	0.40 U	0.038 J	0.036 J	
Dibenzofuran	7	3.8 U	2.1 U	2.2 U	0.057 J	0.40 U	0.36 U	4.0 U	4.0 U	0.0044 J	
Diethyl phthalate	NA	0.14 J B	0.037 J B	0.058 J B	0.074 J B	0.011 J B	0.0094 J B	0.051 J B	0.16 J B	0.016 J B	
Dimethyl phthalate	NA	3.8 U	2.1 U	2.2 U	3.9 U	0.40 U	0.36 U	4.0 U	4.0 U	0.41 U	
Di-n-butyl phthalate	NA	3.8 U	2.1 U	2.2 U	3.9 U	0.40 U	0.36 U	4.0 U	4.0 U	0.41 U	
Di-n-octyl phthalate	NA	3.8 U	2.1 U	2.2 U	3.9 U	0.40 U	0.36 U	4.0 U	4.0 U	0.41 U	
Diphenyl	NA	3.8 U	2.1 U	2.2 U	3.9 U	0.40 U	0.36 U	4.0 U	4.0 U	0.41 U	
Fluoranthene	100	0.69 J	0.16 J	0.12 J	2.1 J	0.0065 J	0.0048 J	0.50 J	0.62 J	0.68	
Fluorene	30	0.045 J	2.1 U	2.2 U	0.12 J	0.40 U	0.36 U	0.025 J	0.043 J	0.024 J	
Hexachlorobenzene	0.33	0.38 U	0.21 U	0.22 U	0.39 U	0.040 U	0.036 U	0.40 U	0.40 U	0.041 U	
Hexachlorobutadiene	NA	0.76 U	0.42 U	0.44 U	0.80 U	0.082 U	0.073 U	0.82 U	0.80 U	0.084 U	
Hexachlorocyclopentadiene	NA	3.8 U	2.1 U	2.2 U	3.9 U	0.40 U	0.36 U	4.0 U	4.0 U	0.41 U	
Hexachloroethane	NA	0.38 U	0.21 U	0.22 U	0.39 U	0.040 U	0.036 U	0.40 U	0.40 U	0.041 U	
Indeno[1,2,3-cd]pyrene	0.5	0.29 J	0.047 J	0.043 J	0.61	0.040 U	0.036 U	0.18 J	0.15 J	0.13	
Isophorone	NA	3.8 U	2.1 U	2.2 U	3.9 U	0.40 U	0.36 U	4.0 U	4.0 U	0.41 U	
Naphthalene	12	3.8 U	2.1 U	2.2 U	3.9 U	0.40 U	0.36 U	4.0 U	4.0 U	0.0020 J	
Nitrobenzene	NA	0.38 U	0.21 U	0.22 U	0.39 U	0.040 U	0.036 U	0.40 U	0.40 U	0.041 U	
N-Nitrosodi-n-propylamine	NA	0.38 U	0.21 U	0.22 U	0.39 U	0.040 U	0.036 U	0.40 U	0.40 U	0.041 U	
N-Nitrosodiphenylamine	NA	3.8 U	2.1 U	2.2 U	3.9 U	0.40 U	0.36 U	4.0 U	4.0 U	0.41 U	
Pentachlorophenol	0.8	1.1 U	6.2 U	6.6 U	1.2 U	1.2 U	1.1 U	1.2 U	1.2 U	1.3 U	
Phenanthrene	100	0.42 J	0.12 J	0.047 J	1.3 J	0.40 U	0.36 U	0.27 J	0.53 J	0.56	
Phenol	0.33	3.8 U	2.1 U	2.2 U	3.9 U	0.40 U	0.36 U	4.0 U	4.0 U	0.41 U	
Pyrene	100	1.1 J	0.23 J	0.14 J	1.8 J	0.0058 J	0.0054 J	0.60 J	0.72 J	0.83	
Pyridine	NA	3.8 U	2.1 U	2.2 U	3.9 U	0.40 U	0.36 U	4.0 U	4.0 U	0.41 U	
Total SVOC TICs	NA	2.011	0.320	ND	2.131	44.115	0.678	0.760	0.290	2.115	

Notes

NR: Not Analyzed

ND: TIC not detected

U R : Indicates value is rejected based upon DUSR by third party data validator.

D : The reported value is from a dilution.

J : Indicates an estimated value.

J B : The analyte was found in an associated blank, as well as in the sample.

U : Analyzed for but not detected.



Table 6-25
TCL SVOC Soil Analytical Data
SL-20 / SL-21 / SL-22 Original Sample Locations - Post Excavation Data

TCL SVOCs (mg/kg)	NYSDEC Unrestricted SCO	SL-20 / SL-21 / SL-22 Original Sample Locations - Post Excavation Data											
		End Pont Soil Samples											
		Side-wall Samples											
		SL-EP#45	SL-EP#46	SL-EP#47 (2.5'-3')		SL-EP#48	SL-EP#49	SL-EP#50	SL-EP#51	SL-EP#52	SL-EP#53	SL-EP#54	SL-EP#55
		(2.5'-3')	(2.5'-3')	Low Level	Dilute	(2.5'-3')	(2.5'-3')	(2.5'-3')	(2.5'-3')	(2.5'-3')	(2.5'-3')	(2.5'-3')	(2.5'-3')
1,2,4,5-Tetrachlorobenzene	NA	5.6 U	0.40 U	1.5 U	NR	0.37 U	0.42 U	0.40 U	0.41 U	0.41 U	0.43 U	0.40 U	7.6 U
1,4-Dioxane	0.1	5.6 U	0.40 U	1.5 U	NR	0.37 U	0.40 U	0.40 U	0.41 U	0.41 U	0.43 U	0.40 U	7.6 U
2,2'-oxybis[1-chloropropane]	NA	5.6 U	0.40 U	1.5 U	NR	0.37 U	0.42 U	0.40 U	0.41 U	0.41 U	0.43 U	0.40 U	7.6 U
2,3,4,6-Tetrachlorophenol	NA	5.6 U	0.40 U	1.5 U	NR	0.37 U	0.42 U	0.40 U	0.41 U	0.41 U	0.43 U	0.40 U	7.6 U
2,4,5-Trichlorophenol	NA	5.6 U	0.40 U	1.5 U	NR	0.37 U	0.42 U	0.40 U	0.41 U	0.41 U	0.43 U	0.40 U	7.6 U
2,4,6-Trichlorophenol	NA	5.6 U	0.40 U	1.5 U	NR	0.37 U	0.42 U	0.40 U	0.41 U	0.41 U	0.43 U	0.40 U	7.6 U
2,4-Dichlorophenol	NA	5.6 U	0.40 U	1.5 U	NR	0.37 U	0.42 U	0.40 U	0.41 U	0.41 U	0.43 U	0.40 U	7.6 U
2,4-Dimethylphenol	NA	5.6 U	0.40 U	1.5 U	NR	0.37 U	0.42 U	0.40 U	0.41 U	0.41 U	0.43 U	0.40 U	7.6 U
2,4-Dinitrophenol	NA	17 U	1.2 U	4.6 U	NR	1.1 U	1.3 U	1.2 U	1.2 U	1.2 U	1.3 U	1.2 U	23 U
2,4-Dinitrotoluene	NA	1.1 U	0.081 U	0.31 U	NR	0.075 U	0.085 U	0.082 U	0.082 U	0.082 U	0.087 U	0.081 U	1.5 U
2,6-Dinitrotoluene	NA	1.1 U	0.081 U	0.31 U	NR	0.075 U	0.085 U	0.082 U	0.082 U	0.082 U	0.087 U	0.081 U	1.5 U
2-Chloronaphthalene	NA	5.6 U	0.40 U	1.5 U	NR	0.37 U	0.42 U	0.40 U	0.41 U	0.41 U	0.43 U	0.40 U	7.6 U
2-Chlorophenol	NA	5.6 U	0.40 U	1.5 U	NR	0.37 U	0.42 U	0.40 U	0.41 U	0.41 U	0.43 U	0.40 U	7.6 U
2-Methylnaphthalene	NA	5.6 U	0.40 U	0.0051 J	NR	0.0018 J	0.42 U	0.40 U	0.41 U	0.41 U	0.43 U	0.40 U	7.6 U
2-Methylphenol	0.33	5.6 U	0.40 U	1.5 U	NR	0.37 U	0.40 U	0.40 U	0.41 U	0.41 U	0.43 U	0.40 U	7.6 U
2-Nitroaniline	NA	11 U	0.81 U	3.1 U	NR	0.75 U	0.85 U	0.82 U	0.82 U	0.82 U	0.87 U	0.81 U	15 U
2-Nitrophenol	NA	5.6 U	0.40 U	1.5 U	NR	0.37 U	0.42 U	0.40 U	0.41 U	0.41 U	0.43 U	0.40 U	7.6 U
3,3'-Dichlorobenzidine	NA	11 U	0.81 U	3.1 U	NR	0.75 U	0.85 U	0.82 U	0.82 U	0.82 U	0.87 U	0.81 U	15 U
3-Nitroaniline	NA	11 U	0.81 U	3.1 U	NR	0.75 U	0.85 U	0.82 U	0.82 U	0.82 U	0.87 U	0.81 U	15 U
4,6-Dinitro-2-methylphenol	NA	17 U	1.2 U	4.6 U	NR	1.1 U	1.3 U	1.2 U	1.2 U	1.2 U	1.3 U	1.2 U	23 U
4-Bromophenyl phenyl ether	NA	5.6 U	0.40 U	1.5 U	NR	0.37 U	0.42 U	0.40 U	0.41 U	0.41 U	0.43 U	0.40 U	7.6 U
4-Chloro-3-methylphenol	NA	5.6 U	0.40 U	1.5 U	NR	0.37 U	0.42 U	0.40 U	0.41 U	0.41 U	0.43 U	0.40 U	7.6 U
4-Chloroaniline	NA	5.6 U	0.40 U	1.5 U	NR	0.37 U	0.42 U	0.40 U	0.41 U	0.41 U	0.43 U	0.40 U	7.6 U
4-Chlorophenyl phenyl ether	NA	5.6 U	0.40 U	1.5 U	NR	0.37 U	0.42 U	0.40 U	0.41 U	0.41 U	0.43 U	0.40 U	7.6 U
4-Methylphenol	0.33	5.6 U	0.40 U	1.5 U	NR	0.37 U	0.42 U	0.40 U	0.41 U	0.41 U	0.43 U	0.40 U	7.6 U
4-Nitroaniline	NA	11 U	0.81 U	3.1 U	NR	0.75 U	0.85 U	0.82 U	0.82 U	0.82 U	0.87 U	0.81 U	15 U
4-Nitrophenol	NA	17 U	1.2 U	4.6 U	NR	1.1 U	1.3 U	1.2 U	1.2 U	1.2 U	1.3 U	1.2 U	23 U
Acenaphthene	20	5.6 U	0.40 U	0.047 J	NR	0.0020 J	0.42 U	0.40 U	0.41 U	0.41 U	0.0010 J	0.40 U	7.6 U
Acenaphthylene	100	5.6 U	0.40 U	0.025 J	NR	0.014 J	0.42 U	0.40 U	0.41 U	0.41 U	0.0015 J	0.40 U	0.043 J
Acetophenone	NA	5.6 U	0.019 J	0.016 J	NR	0.016 J	0.020 J	0.021 J	0.018 J	0.022 J	0.014 J	0.012 J	7.6 U
Anthracene	100	0.022 J	0.40 U	0.15 J	NR	0.018 J	0.0018 J	0.00084 J	0.41 U	0.41 U	0.0027 J	0.40 U	0.10 J
Atrazine	NA	5.6 U	0.40 U	1.5 U	NR	0.37 U	0.42 U	0.40 U	0.41 U	0.41 U	0.43 U	0.40 U	7.6 U
Benzaldehyde	NA	5.6 U	0.038 J	1.5 U	NR	0.036 J	0.040 J	0.039 J	0.039 J	0.040 J	0.041 J	0.037 J	7.6 U
Benzo[a]anthracene	1	0.087 J	0.0032 J	0.48	NR	0.059	0.0080 J	0.0055 J	0.0032 J	0.0021 J	0.016 J	0.0034 J	0.78
Benzo[a]pyrene	1	0.097 J	0.0028 J	0.39	NR	0.054	0.0092 J	0.0061 J	0.0034 J	0.0027 J	0.018 J	0.0037 J	0.80
Benzo[b]fluoranthene	1	0.12	0.0038	0.39	NR	0.054	0.0081	0.0070	0.0044	0.0030 J	0.022	0.0039	1.1
Benzo[g,h,i]perylene	100	0.13 J	0.0058 J	0.30 J	NR	0.054 J	0.0084 J	0.0056 J	0.0039 J	0.0027 J	0.021 J	0.0039 J	0.78 J
Benzo[k]fluoranthene	0.8	0.041 J	0.0019 J	0.15	NR	0.021 J	0.0041 J	0.0019 J	0.041 U	0.041 U	0.0079 J	0.0024 J	0.40 J
Bis(2-chloroethoxy)methane	NA	5.6 U	0.40 U	1.5 U	NR	0.37 U	0.40 U	0.40 U	0.41 U	0.41 U	0.43 U	0.40 U	7.6 U
Bis(2-chloroethyl)ether	NA	0.56 U	0.040 U	0.15 U	NR	0.037 U	0.042 U	0.040 U	0.041 U	0.041 U	0.043 U	0.040 U	0.76 U
Bis(2-ethylhexyl) phthalate	NA	1.6 J	0.033 J	0.18 J	NR	0.038 J	0.035 J	0.033 J	0.033 J	0.028 J	0.038 J	0.033 J	7.6 U
Butyl benzyl phthalate	NA	5.6 U	0.026 J	1.5 U	NR	0.023 J	0.026 J	0.027 J	0.026 J	0.023 J	0.027 J	0.022 J	7.6 U
Caprolactam	NA	5.6 U	0.031 J	1.5 U	NR	0.37 U	0.061 J	0.040 J	0.043 J	0.41 U	0.043 J	0.050 J	7.6 U
Carbazole	NA	5.6 U	0.40 U	0.018 J	NR	0.0014 J	0.42 U	0.40 U	0.41 U	0.41 U	0.43 U	0.40 U	0.029 J
Chrysene	1	0.11 J	0.0037 J	0.49 J	NR	0.072 J	0.0079 J	0.0062 J	0.0039 J	0.0034 J	0.018 J	0.0039 J	0.96 J
Dibenz(a,h)anthracene	0.33	0.023 J	0.040 U	0.058 J	NR	0.010 J	0.0023 J	0.0014 J	0.00096 J	0.041 U	0.0036 J	0.040 U	0.18 J
Dibenzofuran	7	5.6 U	0.40 U	1.5 U	NR	0.37 U	0.42 U	0.40 U	0.41 U	0.41 U	0.43 U	0.40 U	7.6 U
Diethyl phthalate	NA	0.10 J B	0.016 J B	0.033 J B	NR	0.010 J B	0.0099 J B	0.015 J B	0.013 J B	0.021 J B	0.017 J B	0.011 J B	0.20 J B
Dimethyl phthalate	NA	5.6 U	0.40 U	1.5 U	NR	0.37 U	0.42 U	0.40 U	0.41 U	0.41 U	0.43 U	0.40 U	7.6 U
Di-n-butyl phthalate	NA	5.6 U	0.40 U	1.5 U	NR	0.37 U	0.42 U	0.40 U	0.41 U	0.41 U	0.43 U	0.40 U	7.6 U
Di-n-octyl phthalate	NA	5.6 U	0.40 U	1.5 U	NR	0.37 U	0.42 U	0.40 U	0.41 U	0.41 U	0.43 U	0.40 U	7.6 U
Diphenyl	NA	5.6 U	0.40 U	1.5 U	NR	0.37 U	0.42 U	0.40 U	0.41 U	0.41 U	0.43 U	0.40 U	7.6 U
Fluoranthene	100	0.16 J	0.0047 J	0.96 J	NR	0.080 J	0.014 J	0.0095 J	0.0050 J	0.0043 J	0.026 J	0.0056 J	1.5 J
Fluorene	30	5.6 U	0.40 U	0.039 J	NR	0.0028 J	0.42 U	0.40 U	0.41 U	0.41 U	0.43 U	0.40 U	7.6 U
Hexachlorobenzene	0.33	0.56 U	0.040 U	0.15 U	NR	0.037 U	0.042 U	0.040 U	0.041 U	0.041 U	0.043 U	0.040 U	0.76 U
Hexachlorobutadiene	NA	1.1 U	0.081 U	0.31 U	NR	0.075 U	0.085 U	0.082 U	0.082 U	0.082 U	0.087 U	0.081 U	1.5 U
Hexachlorocyclopentadiene	NA	5.6 U	0.40 U	1.5 U	NR	0.37 U	0.42 U	0.40 U	0.41 U	0.41 U	0.43 U	0.40 U	7.6 U
Hexachloroethane	NA	0.56 U	0.040 U	0.15 U	NR	0.037 U	0.042 U	0.040 U	0.041 U	0.041 U	0.043 U	0.040 U	0.76 U
Indeno[1,2,3-cd]pyrene	0.5	0.066 J	0.0024 J	0.22	NR	0.036 J	0.0072 J	0.0042 J	0.0028 J	0.0021 J	0.013 J	0.0031 J	0.65 J
Isophorone	NA	5.6 U	0.40 U	1.5 U	NR	0.37 U	0.42 U	0.40 U	0.41 U	0.41 U	0.43 U	0.40 U	7.6 U
Naphthalene	12	5.6 U	0.40 U	1.5 U	NR	0.37 U	0.42 U	0.40 U	0.41 U	0.41 U	0.43 U	0.40 U	7.6 U
Nitrobenzene	NA	0.56 U	0.040 U	0.15 U	NR	0.037 U	0.042 U	0.040 U	0.041 U	0.041 U	0.043 U	0.040 U	0.76 U
N-Nitrosodi-n-propylamine	NA	0.56 U	0.040 U	0.15 U	NR	0.037 U	0.042 U	0.040 U	0.041 U	0.041 U	0.043 U	0.040 U	0.76 U
N-Nitrosodiphenylamine	NA	5.6 U	0.40 U	1.5 U	NR	0.37 U	0.42 U	0.40 U	0.41 U	0.41 U	0.43 U	0.40 U	7.6 U
Pentachlorophenol	0.8	0.64 J	1.2 U	4.6 U	NR	1.1 U	1.3 U	1.2 U	1.2 U	1.2 U	1.3 U	1.2 U	23 U
Phenanthrene	100	0.069 J	0.0029 J	0.84 J	NR	0.040 J	0.0084 J	0.0043 J	0.0028 J	0.0024 J	0.010 J	0.0030 J	0.41 J
Phenol	0.33	5.6 U	0.40 U	1.5 U	NR	0.37 U	0.42 U	0.40 U	0.0019 J	0.41 U	0.43 U	0.40 U	7.6 U
Pyrene	100	0.17 J	0.0061 J	1.1 J	NR	0.13 J	0.015 J	0.011 J	0.0063 J	0.0054 J	0.028 J	0.0058 J	1.3 J
Pyridine	NA	5.6 U	0.40 U	1.5 U	NR	0.37 U	0.42 U	0.40 U	0.41 U	0.41 U	0.43 U	0.40 U	7.6 U
Total SVOC TICs	NA	14.330	0.210	5.365	11.000	0.821	0.656	0.137	0.992	0.276	1.039	0.682	0.590

Notes
NR: Not Analyzed
ND: TIC not detected
D : The reported value is from a dilution.
J : Indicates an estimated value.
J B : The analyte was found in an associated blank, as well as in the sample.
U : Analyzed for but not detected.



Table 6-25
TCL SVOC Soil Analytical Data
SL-20 / SL-21 / SL-22 Original Sample Locations - Post Excavation Data

TCL SVOCs (mg/kg)	NYSDEC Unrestricted SCO	SL-20 / SL-21 / SL-22 Original Sample Locations - Post Excavation Data											
		End Point Soil Samples											
		Side-wall Samples											
		SL-EP#56 (2.5'-3')		SL-EP#57	SL-EP#58	SL-EP#59	SL-EP#60	SL-EP#61 (5')		SL-EP#62	SL-EP#63	SL-EP#64	SL-EP#65
		Low Level	Dilute	(2.5'-3')	(2.5'-3')	(4')	(4')	Low Level	Dilute	(5')	(5')	(5')	(5')
1,2,4,5-Tetrachlorobenzene	NA	0.40 U	NR	6.1 U	5.7 U	0.37 U	0.39 U	0.36 U	NR	0.40 U	0.39 U	0.37 U	0.40 U
1,4-Dioxane	0.1	0.40 U	NR	6.1 U	5.7 U	0.37 U	0.39 U	0.36 U	NR	0.40 U	0.39 U	0.37 U	0.40 U
2,2'-oxybis[1-chloropropane]	NA	0.40 U	NR	6.1 U	5.7 U	0.37 U	0.39 U	0.36 U	NR	0.40 U	0.39 U	0.37 U	0.40 U
2,3,4,6-Tetrachlorophenol	NA	0.40 U	NR	6.1 U	5.7 U	0.37 U	0.39 U	0.36 U	NR	0.40 U	0.39 U	0.37 U	0.40 U
2,4,5-Trichlorophenol	NA	0.40 U	NR	6.1 U	5.7 U	0.37 U	0.39 U	0.36 U	NR	0.40 U	0.39 U	0.37 U	0.40 U
2,4,6-Trichlorophenol	NA	0.40 U	NR	6.1 U	5.7 U	0.37 U	0.39 U	0.36 U	NR	0.40 U	0.39 U	0.37 U	0.40 U
2,4-Dichlorophenol	NA	0.40 U	NR	6.1 U	5.7 U	0.37 U	0.39 U	0.36 U	NR	0.40 U	0.39 U	0.37 U	0.40 U
2,4-Dimethylphenol	NA	0.40 U	NR	6.1 U	5.7 U	0.37 U	0.39 U	0.36 U	NR	0.40 U	0.39 U	0.12 J	0.40 U
2,4-Dinitrophenol	NA	1.2 U	NR	19 U	17 U	1.1 U	1.2 U	1.1 U	NR	1.2 U	1.2 U	1.1 U	1.2 U
2,4-Dinitrotoluene	NA	0.082 U	NR	1.2 U	1.2 U	0.074 U	0.079 U	0.073 U	NR	0.081 U	0.079 U	0.074 U	0.081 U
2,6-Dinitrotoluene	NA	0.082 U	NR	1.2 U	1.2 U	0.074 U	0.079 U	0.073 U	NR	0.081 U	0.079 U	0.074 U	0.081 U
2-Chloronaphthalene	NA	0.40 U	NR	6.1 U	5.7 U	0.37 U	0.39 U	0.36 U	NR	0.40 U	0.39 U	0.37 U	0.40 U
2-Chlorophenol	NA	0.40 U	NR	6.1 U	5.7 U	0.37 U	0.39 U	0.36 U	NR	0.40 U	0.39 U	0.37 U	0.40 U
2-Methylnaphthalene	NA	0.0012 J	NR	6.1 U	5.7 U	0.37 U	0.39 U	0.0028 J	NR	0.40 U	0.39 U	0.0035 J	0.00092 J
2-Methylphenol	0.33	0.40 U	NR	6.1 U	5.7 U	0.37 U	0.39 U	0.36 U	NR	0.40 U	0.39 U	0.37 U	0.40 U
2-Nitroaniline	NA	0.82 U	NR	12 U	12 U	0.74 U	0.79 U	0.73 U	NR	0.81 U	0.79 U	0.74 U	0.81 U
2-Nitrophenol	NA	0.40 U	NR	6.1 U	5.7 U	0.37 U	0.39 U	0.36 U	NR	0.40 U	0.39 U	0.37 U	0.40 U
3,3'-Dichlorobenzidine	NA	0.82 U	NR	12 U	12 U	0.74 U	0.79 U	0.73 U	NR	0.81 U	0.79 U	0.74 U	0.81 U
3-Nitroaniline	NA	0.82 U	NR	12 U	12 U	0.74 U	0.79 U	0.73 U	NR	0.81 U	0.79 U	0.74 U	0.81 U
4,6-Dinitro-2-methylphenol	NA	1.2 U	NR	19 U	17 U	1.1 U	1.2 U	1.1 U	NR	1.2 U	1.2 U	1.1 U	1.2 U
4-Bromophenyl phenyl ether	NA	0.40 U	NR	6.1 U	5.7 U	0.37 U	0.39 U	0.36 U	NR	0.40 U	0.39 U	0.37 U	0.40 U
4-Chloro-3-methylphenol	NA	0.40 U	NR	6.1 U	5.7 U	0.37 U	0.39 U	0.36 U	NR	0.40 U	0.39 U	0.37 U	0.40 U
4-Chloroaniline	NA	0.40 U	NR	6.1 U	5.7 U	0.37 U	0.39 U	0.36 U	NR	0.40 U	0.39 U	0.37 U	0.40 U
4-Chlorophenyl phenyl ether	NA	0.40 U	NR	6.1 U	5.7 U	0.37 U	0.39 U	0.36 U	NR	0.40 U	0.39 U	0.37 U	0.40 U
4-Methylphenol	0.33	0.40 U	NR	6.1 U	5.7 U	0.37 U	0.39 U	0.36 U	NR	0.40 U	0.39 U	0.37 U	0.40 U
4-Nitroaniline	NA	0.82 U	NR	12 U	12 U	0.74 U	0.79 U	0.73 U	NR	0.81 U	0.79 U	0.74 U	0.81 U
4-Nitrophenol	NA	1.2 U	NR	19 U	17 U	1.1 U	1.2 U	1.1 U	NR	1.2 U	1.2 U	1.1 U	1.2 U
Acenaphthene	20	0.0029 J	NR	0.073 J	0.068 J	0.37 U	0.39 U	0.013 J	NR	0.40 U	0.0015 J	0.37 U	0.40 U
Acenaphthylene	100	0.040 J	NR	0.049 J	0.044 J	0.37 U	0.39 U	0.016 J	NR	0.40 U	0.39 U	0.37 U	0.040 J
Acetophenone	NA	0.012 J	NR	6.1 U	5.7 U	0.0063 J	0.0064 J	0.0054 J	NR	0.0053 J	0.0035 J	0.37 U	0.0077 J
Anthracene	100	0.020 J	NR	0.17 J	0.16 J	0.0019 J	0.0034 J	0.039 J	NR	0.40 U	0.0020 J	0.00080 J	0.013 J
Atrazine	NA	0.40 U	NR	6.1 U	5.7 U	0.37 U	0.39 U	0.36 U	NR	0.40 U	0.39 U	0.37 U	0.40 U
Benzaldehyde	NA	0.038 J	NR	6.1 U	5.7 U	0.37 U	0.39 U	0.36 U	NR	0.40 U	0.39 U	0.37 U	0.038 J
Benzo[a]anthracene	1	0.098	NR	0.54 J	0.54 J	0.0078 J	0.018 J	0.20	NR	0.0026 J	0.0055 J	0.0022 J	0.020 J
Benzo[a]pyrene	1	0.20	NR	0.47 J	0.47 J	0.0079 J	0.019 J	0.21	NR	0.0030 J	0.0038 J	0.0019 J	0.033 J
Benzo[b]fluoranthene	1	0.17	NR	0.51	0.47	0.0088	0.026	0.0032 J	NR	0.0032 J	0.0043	0.0016 J	0.042
Benzo[g,h,i]perylene	100	0.19 J	NR	0.47 J	0.43 J	0.0069 J	0.016 J	0.15 J	NR	0.0020 J	0.0031 J	0.37 U	0.15 J
Benzo[k]fluoranthene	0.8	0.059	NR	0.20 J	0.22 J	0.0039 J	0.0075 J	0.074	NR	0.040 U	0.0016 J	0.037 U	0.013 J
Bis(2-chloroethoxy)methane	NA	0.40 U	NR	6.1 U	5.7 U	0.37 U	0.39 U	0.36 U	NR	0.40 U	0.39 U	0.37 U	0.40 U
Bis(2-chloroethyl)ether	NA	0.040 U	NR	0.61 U	0.57 U	0.037 U	0.039 U	0.036 U	NR	0.040 U	0.039 U	0.037 U	0.040 U
Bis(2-ethylhexyl) phthalate	NA	0.058 J	NR	0.39 J	0.35 J	0.029 J	0.028 J	0.36 U	NR	0.034 J	0.032 J	0.034 J	0.033 J
Butyl benzyl phthalate	NA	0.022 J	NR	6.1 U	5.7 U	0.37 U	0.022 J	0.022 J	NR	0.40 U	0.025 J	0.022 J	0.40 U
Caprolactam	NA	0.045 J	NR	6.1 U	5.7 U	0.37 U	0.39 U	0.032 J	NR	0.40 U	0.39 U	0.37 U	0.40 U
Carbazole	NA	0.0031 J	NR	0.055 J	0.043 J	0.37 U	0.39 U	0.015 J	NR	0.40 U	0.39 U	0.00093 J	0.40 U
Chrysene	1	0.11 J	NR	0.55 J	0.53 J	0.0094 J	0.020 J	0.25 J	NR	0.0029 J	0.0048 J	0.0021 J	0.024 J
Dibenz(a,h)anthracene	0.33	0.030 J	NR	0.090 J	0.084 J	0.0017 J	0.0026 J	0.027 J	NR	0.040 U	0.039 U	0.037 U	0.014 J
Dibenzofuran	7	0.40 U	NR	6.1 U	5.7 U	0.37 U	0.39 U	0.0063 J	NR	0.40 U	0.39 U	0.37 U	0.40 U
Diethyl phthalate	NA	0.014 J B	NR	0.10 J B	0.083 J B	0.015 J B	0.018 J B	0.021 J B	NR	0.023 J B	0.014 J B	0.019 J B	0.017 J B
Dimethyl phthalate	NA	0.40 U	NR	6.1 U	5.7 U	0.37 U	0.39 U	0.36 U	NR	0.40 U	0.39 U	0.37 U	0.40 U
Di-n-butyl phthalate	NA	0.40 U	NR	6.1 U	5.7 U	0.37 U	0.39 U	0.36 U	NR	0.40 U	0.39 U	0.37 U	0.40 U
Di-n-octyl phthalate	NA	0.40 U	NR	6.1 U	5.7 U	0.37 U	0.39 U	0.36 U	NR	0.40 U	0.39 U	0.37 U	0.40 U
Diphenyl	NA	0.40 U	NR	6.1 U	5.7 U	0.37 U	0.39 U	0.36 U	NR	0.40 U	0.39 U	0.37 U	0.40 U
Fluoranthene	100	0.086 J	NR	1.1 J	1.0 J	0.015 J	0.033 J	0.44	NR	0.0043 J	0.011 J	0.0045 J	0.013 J
Fluorene	30	0.0036 J	NR	0.060 J	0.052 J	0.37 U	0.39 U	0.013 J	NR	0.40 U	0.39 U	0.37 U	0.40 U
Hexachlorobenzene	0.33	0.040 U	NR	0.61 U	0.57 U	0.037 U	0.039 U	0.036 U	NR	0.040 U	0.039 U	0.037 U	0.040 U
Hexachlorobutadiene	NA	0.082 U	NR	1.2 U	1.2 U	0.074 U	0.079 U	0.073 U	NR	0.081 U	0.079 U	0.074 U	0.081 U
Hexachlorocyclopentadiene	NA	0.40 U	NR	6.1 U	5.7 U	0.37 U	0.39 U	0.36 U	NR	0.40 U	0.39 U	0.37 U	0.40 U
Hexachloroethane	NA	0.040 U	NR	0.61 U	0.57 U	0.037 U	0.039 U	0.036 U	NR	0.040 U	0.039 U	0.037 U	0.040 U
Indeno[1,2,3-cd]pyrene	0.5	0.14	NR	0.32 J	0.34 J	0.0056 J	0.013 J	0.12	NR	0.0016 J	0.0021 J	0.037 U	0.076
Isophorone	NA	0.40 U	NR	6.1 U	5.7 U	0.37 U	0.39 U	0.36 U	NR	0.40 U	0.39 U	0.37 U	0.40 U
Naphthalene	12	0.0033 J	NR	6.1 U	5.7 U	0.37 U	0.39 U	0.0040 J	NR	0.40 U	0.39 U	0.0076 J	0.40 U
Nitrobenzene	NA	0.040 U	NR	0.61 U	0.57 U	0.037 U	0.039 U	0.036 U	NR	0.040 U	0.039 U	0.037 U	0.040 U
N-Nitrosodi-n-propylamine	NA	0.040 U	NR	0.61 U	0.57 U	0.037 U	0.039 U	0.036 U	NR	0.040 U	0.039 U	0.037 U	0.040 U
N-Nitrosodiphenylamine	NA	0.40 U	NR	6.1 U	5.7 U	0.37 U	0.39 U	0.36 U	NR	0.40 U	0.39 U	0.37 U	0.40 U
Pentachlorophenol	0.8	1.2 U	NR	19 U	17 U	1.1 U	1.2 U	1.1 U	NR	1.2 U	1.2 U	0.075 J	1.2 U
Phenanthrene	100	0.017 J	NR	0.65 J	0.89 J	0.0071 J	0.015 J	0.26 J	NR	0.0029 J	0.021 J	0.0049 J	0.0040 J
Phenol	0.33	0.40 U	NR	6.1 U	5.7 U	0.37 U	0.39 U	0.36 U	NR	0.40 U	0.39 U	0.37 U	0.40 U
Pyrene	100	0.19 J	NR	1.1 J	1.1 J	0.016 J	0.033 J	0.53	NR	0.0043 J	0.013 J	0.0047 J	0.025 J
Pyridine	NA	0.40 U	NR	6.1 U	5.7 U	0.37 U	0.39 U	0.36 U	NR	0.40 U	0.39 U	0.37 U	0.40 U
Total SVOC TICs	NA	1.516	0.880	0.920	0.620	ND	0.106	1.581	01.000	0.103	1.571	14.501	0.104

Notes
NR: Not Analyzed
ND: TIC not detected
D : The reported value is from a dilution.
J : Indicates an estimated value.
J B : The analyte was found in an associated blank, as well as in the sample.
U : Analyzed for but not detected.



Table 6-26
TAL Metals Soil Analytical Data
SL-20 / SL-21 / SL-22 Original Sample Locations - Post Excavation Data

TAL Metals (mg/kg)	NYSDEC SCOs			SL-20 / SL-21 / SL-22 Original Sample Locations - Post Excavation Data													
				End Pont Soil Samples													
				Bottom Samples													
	NYSDEC Unrestricted SCO	Residential	Protection of Groundwater	SL-EP#17 (5.5')	SL-EP#18 (5.5')	SL-EP#19 (5.5')	SL-EP#20 (5.5')	SL-EP#21 (5.5')	SL-EP#22 (5.5')	SL-EP#23 (5.5')	SL-EP#24 (5.5')	SL-EP#25 (5.5')	SL-EP#26 (5.5')	SL-EP#27 (5.5')	SL-EP#28 (5.5')	SL-EP#29 (5.5')	SL-EP#30 (5.5')
Aluminum	NA	NA	NA	8,660	5,350	9,590	6,260	13,800	7,670	7,110	11,700	6,650	5,150	7,920	6,740	4,710	3,230
Antimony	NA	NA	NA	4.9 U	4.1 U	4.9 U	4.6 U	4.3 U	5.0 U	4.6 U	5.3 U	4.2 U	4.7 U	4.6 U	4.3 U	4.6 U	4.2 U
Arsenic	13	16	16	1.7 J	2.0 J	2.4 J	3.2 J	3.8	2.1 J	2.4 J	2.6 J	1.8 J	3.0 J	1.4 J	4.3	1.3 J	1.5 J
Barium	350	350	820	31.2 J	27.7 J	39.1 J	32.3 J	48.0	29.0 J	29.2 J	37.4 J	26.4 J	22.2 J	27.4 J	32.7 J	14.8 J	13.9 J
Beryllium	7.2	14	47	0.32 J	0.27 J	0.42 J	0.23 J	0.39 J	0.31 J	0.23 J	0.59	0.37 J	0.53	0.32 J	0.53	0.25 J	0.17 J
Cadmium	2.5	2.5	7.5	0.98 U	0.82 U	0.98 U	0.92 U	0.85 U	1.0 U	0.91 U	0.19 J	0.84 U	0.94 U	0.91 U	0.28 J	0.93 U	0.84 U
Calcium	NA	NA	NA	557 J	396 J	813 J	779 J	922 J	536 J	2,280	888 J	786 J	9,490	257 J	1,080	305 J	3,940
Chromium ¹	30	36	NS	14.1	10.5	16.4	16.1	19.8	13.2	13.0	32.3	10.8	10.9	16.0	34.5	8.4	5.9
Cobalt	NA	NA	NA	4.8 J	11.1	6.3 J	4.4 J	4.7 J	4.2 J	4.0 J	7.1 J	4.5 J	3.1 J	5.1 J	6.3 J	2.3 J	1.9 J
Copper	50	270	1,720	8.8	7.3	10.5	9.9	9.0	8.8	10.2	27.5	7.2	9.4	8.8	9.4	3.7 J	14.7
Iron	NA	NA	NA	11,800	11,000	16,200	15,000	17,900	13,600	11,500	16,800	11,600	9,250	11,400	17,500	7,010	6,250
Lead	63	400	450	6.6	4.8	9.6	9.6	15.7	7.5	7.4	10.2	8.4	13.6	5.8	14.7	3.6	7.8
Magnesium	NA	NA	NA	2,290	1,220	2,620	1,840	2,280	1,880	2,730	2,680	1,600	5,460	1,990	1,570	1,170	2,640
Manganese	1,600	2,000	2,000	189	1,390	461	136	158	254	91.0	102	153	101	73.7	97.0	63.3	68.3
Nickel	30	140	130	9.4 J	6.2 J	9.2 J	7.2 J	10.3	8.1 J	7.2 J	12.4	7.3 J	8.3 J	11.6	7.5 J	5.1 J	4.3 J
Potassium	NA	NA	NA	824 J	496 J	995 J	876 J	634 J	701 J	556 J	982 J	582 J	443 J	601 J	890 J	389 J	303 J
Selenium	3.9	36	4	4.9 U	4.1 U	4.9 U	4.6 U	4.3 U	5.0 U	4.6 U	5.3 U	4.2 U	4.7 U	4.6 U	4.3 U	4.6 U	4.2 U
Silver	2	36	8.3	2.4 U	2.0 U	2.4 U	2.3 U	2.1 U	2.5 U	2.3 U	2.6 U	0.24 J	0.79 J	2.3 U	5.4	2.3 U	1.1 J
Sodium	NA	NA	NA	1,220 U	1,020 U	1,220 U	1,140 U	85.0 J	1,250 U	1,140 U	1,320 U	1,050 U	1,180 U	1,140 U	1,080 U	1,160 U	1,050 U
Thallium	NA	NA	NA	4.9 U	1.3 J	4.9 U	4.6 U	4.3 U	5.0 U	4.6 U	5.3 U	4.2 U	4.7 U	4.6 U	4.3 U	4.6 U	4.2 U
Vanadium	NA	NA	NA	18.2	13.4	20.8	18.8	28.7	18.5	17.9	25.0	15.3	20.3	18.7	15.6	10.6 J	9.0 J
Zinc	109	2,200	2,480	26.2	15.3	28.4	30.6	29.2	25.3	33.4	80.8	25.7	22.5	31.8	37.8	13.1	13.4
Mercury	0.18	0.81	0.73	0.020 U	0.019 U	0.029	0.029	0.017 J	0.041	0.054	6.037	0.019 U	0.026	0.020 U	0.23	0.017 J	0.029

TAL Metals (mg/kg)	NYSDEC SCOs			SL-20 / SL-21 / SL-22 Original Sample Locations - Post Excavation Data													
				End Pont Soil Samples													
				Bottom Samples													
	NYSDEC Unrestricted SCO	Residential	Protection of Groundwater	SL-EP#31 (5.5')	SL-EP#32 (5.5')	SL-EP#33 (5.5')	SL-EP#34 (5.5')	SL-EP#35 (5.5')	SL-EP#36 (5.5')	SL-EP#37 (5.5')	SL-EP#38 (5.5')	SL-EP#39 (5.5')	SL-EP#40 (5.5')	SL-EP#41 (5.5')	SL-EP#42 (5.5')	SL-EP#43 (5.5')	SL-EP#44 (5.5')
Aluminum	NA	NA	NA	3,470	6,930	6,250	1,220	6,830	1,580	11,600	7,710	5,070	8,140	2,790	7,250	7,600	13,100
Antimony	NA	NA	NA	4.2 U	4.6 U	4.4 U	4.0 U	4.9 U	4.3 U	4.7 U	4.7 U	4.7 U	4.4 U	3.9 U	4.7 U	4.4 U	4.7 U
Arsenic	13	16	16	1.2 J	2.4 J	2.6 J	3.0 U	2.5 J	0.75 J	2.7 J	2.5 J	1.5 J	0.65 J	2.9 U	3.2 J	2.5 J	3.7
Barium	350	350	820	14.5 J	29.2 J	22.6 J	4.7 J	29.8 J	8.7 J	36.4 J	35.6 J	23.0 J	37.2 J	8.5 J	44.6 J	31.1 J	61.5
Beryllium	7.2	14	47	0.20 J	0.21 J	0.33 J	0.40 U	0.22 J	0.43 U	0.37 J	0.25 J	0.16 J	0.17 J	0.39 U	0.31 J	0.28 J	0.62
Cadmium	2.5	2.5	7.5	0.84 U	0.92 U	0.88 U	0.80 U	0.41 J	0.26 J	0.94 U	0.95 U	0.14 J	0.89 U	0.77 U	0.15 J	0.89 U	0.46 J
Calcium	NA	NA	NA	3,710	378 J	571 J	523 J	2,450	1,770	948 J	6,030	4,110	623 J	450 J	7,540	3,090	2,050
Chromium ¹	30	36	NS	6.9	23.5	10.9	2.9	19.7	6.1	20.2	29.6	12.3	16.9	5.6	16.6	26.1	43.9
Cobalt	NA	NA	NA	2.1 J	2.4 J	3.3 J	10.0 U	3.0 J	1.0 J	5.8 J	4.0 J	2.8 J	4.4 J	1.2 J	4.3 J	3.9 J	8.2 J
Copper	50	270	1,720	5.5	7.4	5.3 J	1.7 J	16.7	8.0	9.7	9.1	8.7	6.9	2.6 J	17.6	11.1	17.6
Iron	NA	NA	NA	6,720	6,200	10,400	2,470	9,360	3,070	16,400	11,300	7,540	9,510	5,280	11,800	12,700	22,900
Lead	63	400	450	4.9	17.4	5.9	2.1	26.1	10.7	7.9	24.4	14.5	7.7	3.1	41.3	15.0	21.8
Magnesium	NA	NA	NA	2,560	1,720	1,240	431 J	1,970	842 J	2,470	1,930	1,550	1,880	550 J	2,770	2,400	3,240
Manganese	1,600	2,000	2,000	81.5	51.6	95.7	22.8	72.1	28.8	166	139	71.5	102	32.0	173	112	197
Nickel	30	140	130	4.4 J	6.4 J	6.1 J	1.3 J	7.3 J	2.2 J	9.5	8.6 J	5.9 J	8.5 J	3.0 J	9.2 J	8.6 J	18.8
Potassium	NA	NA	NA	435 J	737 J	425 J	115 J	698 J	191 J	837 J	603 J	521 J	1,340	357 J	764 J	974 J	1,590
Selenium	3.9	36	4	4.2 U	4.6 U	4.4 U	4.0 U	4.9 U	4.3 U	4.7 U	4.7 U	4.7 U	4.4 U	3.9 U	4.7 U	4.4 U	4.7 U
Silver	2	36	8.3	0.80 J	5.2	2.2 U	2.0 U	7.6	5.8	2.4 U	0.82 J	3.3	2.2 U	1.9 U	5.2	14.5	5.3
Sodium	NA	NA	NA	1,050 U	1,150 U	1,100 U	1,000 U	1,230 U	1,070 U	142 J	1,180 U	1,170 U	89 J	965 U	1,180 U	1,110 U	90.1 J
Thallium	NA	NA	NA	4.2 U	4.6 U	4.4 U	4.0 U	4.9 U	4.3 U	4.7 U	4.7 U	4.7 U	4.4 U	3.9 U	4.7 U	4.4 U	4.7 U
Vanadium	NA	NA	NA	9.1 J	16.8	15.4	3.7 J	16.4	6.1 J	24.8	17.8	13.9	17.9	7.2 J	19.1	15.4	31.0
Zinc	109	2,200	2,480	13.8	21.6	16.3	4.2 J	36.7	27.0	26.6	30.3	28.0	21.8	7.2	41.5	35.3	78.0
Mercury	0.18	0.81	0.73	0.018	6.037	0.019	0.017 U	6.067	6.035	0.021 U	0.037	6.049	6.032	0.017 J	0.14	0.31	0.22

Notes
J : Sample result is greater than the MDL but below the CRDL
U : Indicates analyzed for but not detected.
¹ Trivalent chromium SCOs utilized.
Highlighted / bolded indicates analyte exceeded above its respective NYSDEC Unrestricted SCO.
Green / italicized value indicates analyte exceeded its respective unrestricted SCO but was below its respective Residential / Protection of GW SCO, whichever is lower.
NA - Not Available



Table 6-26
TAL Metals Soil Analytical Data
SL-20 / SL-21 / SL-22 Original Sample Locations - Post Excavation Data

TAL Metals (mg/kg)	NYSDEC SCOs			SL-20 / SL-21 / SL-22 Original Sample Locations - Post Excavation Data									
				End Pont Soil Samples									
				Side-wall Samples									
	NYSDEC Unrestricted SCO	Residential	Protection of Groundwater	SL-EP#45 (2.5'-3')	SL-EP#46 (2.5'-3')	SL-EP#47 (2.5'-3')	SL-EP#48 (2.5'-3')	SL-EP#49 (2.5'-3')	SL-EP#50 (2.5'-3')	SL-EP#51 (2.5'-3')	SL-EP#52 (2.5'-3')	SL-EP#53 (2.5'-3')	SL-EP#54 (2.5'-3')
Aluminum	NA	NA	NA	7,420	13,200	8,840	6,440	11,800	13,600	13,400	14,100	10,500	15,700
Antimony	NA	NA	NA	4.1 U	4.6 U	4.5 U	4.5 U	4.5 U	4.4 U	4.5 U	4.8 U	5.1 U	4.4 U
Arsenic	13	16	16	8.1	3.6	7.0	2.8 J	4.2	4.4	4.1	3.6	2.5 J	4.4
Barium	350	350	820	39.7 J	41.7 J	43.5 J	33.6 J	54.4	51.2	49.9	63.3	66.4	55.0
Beryllium	7.2	14	47	0.36 J	0.44 J	0.49	0.30 J	0.55	0.50	0.55	0.52	0.63	0.57
Cadmium	2.5	2.5	7.5	0.31 J	0.14 J	0.45 J	0.90 U	0.90 U	0.88 U	0.90 U	0.96 U	1.0 U	0.87 U
Calcium	NA	NA	NA	24,800	909 J	4,590	41,500	1,130	440 J	471 J	702 J	872 J	749 J
Chromium ¹	30	36	NS	26.9	18.8	24.1	9.7	17.4	19.1	17.7	19.3	12.6	24.5
Cobalt	NA	NA	NA	4.1 J	4.4 J	4.9 J	3.1 J	5.4 J	5.2 J	6.6 J	6.1 J	4.2 J	6.0 J
Copper	50	270	1,720	21.8	8.9	11.9	5.0 J	8.8	9.5	8.1	7.9	6.1 J	12.3
Iron	NA	NA	NA	12,900	19,300	15,500	9,120	21,300	18,900	20,300	21,000	13,500	23,600
Lead	63	400	450	34.8	8.8	26.0	10.2	11.6	14.0	10.7	9.7	18.3	10.9
Magnesium	NA	NA	NA	10,500	2,160	3,830	23,400	2,160	2,320	1,840	2,330	1,670	2,440
Manganese	1,600	2,000	2,000	181	107	230	147	176	175	218	199	210	163
Nickel	30	140	130	9.7	10	9.5	6.6 J	9.2	10.7	9.7	11.1	8.8 J	11.9
Potassium	NA	NA	NA	886 J	661 J	662 J	384 J	461 J	618 J	561 J	434 J	268 J	638 J
Selenium	3.9	36	4	4.1 U	4.6 U	4.5 U	4.5 U	4.5 U	4.4 U	4.5 U	4.8 U	5.1 U	4.4 U
Silver	2	36	8.3	1.2 J	2.3 U	2.3 U	0.26 J	2.3 U	2.2 U	2.3 U	2.4 U	2.5 U	2.2 U
Sodium	NA	NA	NA	84.7 J	1,150 U	1,130 U	1,130 U	1,130 U	1,100 U	1,130 U	132 J	258 J	336 J
Thallium	NA	NA	NA	4.1 U	4.6 U	4.5 U	4.5 U	4.5 U	4.4 U	4.5 U	4.8 U	5.1 U	4.4 U
Vanadium	NA	NA	NA	24.5	26.5	19.1	12.9	23.7	27.0	25.7	26.6	17.0	32.1
Zinc	109	2,200	2,480	82.5	25.3	799	25.6	30.8	27.8	28.4	28.4	24.8	31.2
Mercury	0.18	0.81	0.73	0.090	0.021	0.10	0.016 J	0.065	0.027	0.021 U	0.016 J	0.034	0.026

TAL Metals (mg/kg)	NYSDEC SCOs			SL-20 / SL-21 / SL-22 Original Sample Locations - Post Excavation Data										
				End Pont Soil Samples										
				Side-wall Samples										
	NYSDEC Unrestricted SCO	Residential	Protection of Groundwater	SL-EP#55 (2.5'-3')	SL-EP#56 (2.5'-3')	SL-EP#57 (2.5'-3')	SL-EP#58 (2.5'-3')	SL-EP#59 (1')	SL-EP#60 (1')	SL-EP#61 (5')	SL-EP#62 (5')	SL-EP#63 (5')	SL-EP#64 (5')	SL-EP#65 (5')
Aluminum	NA	NA	NA	8,510	5,820	10,100	8,650	1,510	5,270	1,770	12,800	6,140	4,810	7,860
Antimony	NA	NA	NA	4.3 U	4.4 U	4.5 U	4.4 U	4.0 U	4.6 U	4.0 U	4.8 U	4.5 U	4.3 U	4.3 U
Arsenic	13	16	16	3.0 J	1.9 J	1.6 J	6.6	2.0 J	3.2 J	2.5 J	2.7 J	2.4 J	1.6 J	10.8
Barium	350	350	820	42.8 J	28.8 J	49.1	49.7	30.0 J	32.8 J	10.2 J	47.4 J	24.1 J	13.9 J	37.4 J
Beryllium	7.2	14	47	0.40 J	0.33 J	0.53	0.39 J	0.40 U	0.21 J	0.40 U	0.56	0.34 J	0.27 J	0.31 J
Cadmium	2.5	2.5	7.5	0.86 U	0.89 U	0.90 U	0.33 J	0.81 U	0.17 J	0.35 J	0.32 J	0.90 U	0.86 U	0.48 J
Calcium	NA	NA	NA	4,800	7,060	2,620	7,550	1,420	1,490	1,390	1,290	773 J	424 J	4,630
Chromium ¹	30	36	NS	16.2	13.3	17.1	38.1	6.3	35.9	25.2	25.8	47.9	11.9	52.0
Cobalt	NA	NA	NA	4.6 J	3.7 J	4.7 J	4.0 J	10.1 U	1.8 J	1.3 J	5.1 J	2.9 J	2.3 J	3.6 J
Copper	50	270	1,720	10.6	7.8	10.8	20.1	5.9	11.6	7.8	15.2	6.8	8.2	32.7
Iron	NA	NA	NA	13,300	9,400	13,700	15,300	7,490	10,600	3,100	15,800	10,700	7,730	19,600
Lead	63	400	450	26.7	19.9	16.3	47.6	10.4	20.6	26.2	25.4	16.1	6.2	47.7
Magnesium	NA	NA	NA	3,750	4,280	2,780	2,810	436 J	1,130 J	810 J	2,560	1,260	907 J	3,080
Manganese	1,600	2,000	2,000	190	131	144	123	44.8	72.3	37.2	90.3	54.7	43.0	107
Nickel	30	140	130	10.4	8.0 J	10.6	12.7	2.0 J	6.8 J	2.9 J	11.0	6.3 J	4.5 J	9.2
Potassium	NA	NA	NA	909 J	888 J	1,460	1,190	468 J	429 J	206 J	1,150 J	634 J	485 J	811 J
Selenium	3.9	36	4	4.3 U	4.4 U	4.5 U	4.4 U	4.0 U	4.6 U	4.0 U	4.8 U	4.5 U	4.3 U	4.3 U
Silver	2	36	8.3	2.2 U	0.31 J	2.2 U	53.2	3.6	4.6	2.0	1.9 J	2.9	0.22 J	2.5
Sodium	NA	NA	NA	95.6 J	1,110 U	130 J	125 J	1,010 U	1,160 U	1,010 U	1,210 U	1,120 U	1,070 U	1,080 U
Thallium	NA	NA	NA	4.3 U	4.4 U	4.5 U	4.4 U	4.0 U	4.6 U	4.0 U	4.8 U	4.5 U	4.3 U	4.3 U
Vanadium	NA	NA	NA	18.5	11.9	20.4	24.8	6.4 J	17.7	8.0 J	24.7	20.5	12.0	26.6
Zinc	109	2,200	2,480	27.5	23.1	28.9	63.5	7.4	27.8	47.6	96.1	25.6	18.8	126
Mercury	0.18	0.81	0.73	0.053	0.024	0.033	0.49	0.013 J	0.088	0.063	0.16	0.11	0.022	0.18

Notes
J : Sample result is greater than the MDL but below the CRDL
U : Indicates analyzed for but not detected.
¹ Trivalent chromium SCOs utilized.
Highlighted / bolded indicates analyte exceeded above its respective NYSDEC Unrestricted SCO.
Green / italicized value indicates analyte exceeded its respective unrestricted SCO but was below its respective Residential / Protection of GW SCO, whichever is lower.
NA - Not Available



Table 6-26
TAL Metals Soil Analytical Data
SL-20 / SL-21 / SL-22 Original Sample Locations - Post Excavation Data

	NYSDEC SCOs				SL-20 / SL-21 / SL-22 Original Sample Locations - Post Excavation Data																
					Supplemental Endpoint Samples										Supplemental Endpoint Samples						
					Side-wall Samples					Bottom Samples					Bottom Samples						
	NYSDEC Unrestricted SCO	Residential	Restricted Residential	Protection of Groundwater	SL-EP#195	SL-EP#196	SL-EP#200	SL-EP#201	SL-EP#202	SL-EP#205	SL-EP#206	SL-EP#207	SL-EP#197	SL-EP#198	SL-EP#199	SL-EP#203	SL-EP#204	SL-EP#208	SL-EP#209	SL-EP#210	
TAL Metals (mg/kg)					(3')	(3')	(3')	(3')	(3')	(3')	(3')	(3')	(8')	(8')	(8')	(8')	(8')	(8')	(8')	(8')	
Aluminum	NA	NA	NA	NA	4,440	4,680	7,720	11,900	10,500	10,600	14,500	16,300	6,750	4,850	15,900	3,720	2,340	3,010	3,020	3,450	
Antimony	NA	NA	NA	NA	4.0 U	3.6 U	3.6 U	4.0 U	4.3 U	3.9 U	4.7 U	4.9 U	4.1 U	3.3 U	3.2 U	3.2 U	3.5 U	3.8 U	4.0 U	3.4 U	
Arsenic	13	16	16	16	3.7	3.9	1.1 J	3.5	1.6 J	1.3 J	4.9	5.4	2.9 J	2.4 U	5.0	1.2 J	1.9 J	2.8 U	3.6	1.1 J	
Barium	350	350	400	820	29.6 J	35.0 J	61.0	56.9	47.0	41.7	47.3	52.4	33.8 J	26.0 J	152	12.7 J	8.1 J	13.1 J	11.1 J	9.6 J	
Beryllium	7.2	14	72	47	0.13 J	0.89 U	0.28 J	0.51	0.40 J	0.31 J	0.33 J	0.38 J	0.24 J	0.15 J	0.84	0.16 J	0.35 U	0.38 U	0.20 J	0.34 U	
Cadmium	2.5	2.5	4.3	7.5	0.80 U	0.27 J	0.73 U	2.1	0.87 U	0.78 U	0.94 U	0.99 U	0.83 U	0.65 U	0.64 U	0.65 U	0.70 U	0.75 U	0.79 U	0.69 U	
Calcium	NA	NA	NA	NA	46,300	74,100	1,150	526 J	1,990	1,230	1,210	1,090 J	1,460	4,830	1,610	316 J	270 J	651 J	282 J	319 J	
Chromium ¹	30	36	180	NS	9.2	14.0	172	64.3	46.5	20.4	27.2	26.6	15.2	122	42.4	6.6	17.6	9.6	6.8	7.5	
Cobalt	NA	NA	NA	NA	4.1 J	2.7 J	3.0 J	3.4 J	3.6 J	4.5 J	7.2 J	6.8 J	3.5 J	2.6 J	20.5	2.3 J	1.3 J	0.99 J	2.7 J	2.1 J	
Copper	50	270	270	1,720	18.2	29.2	3.4 J	16.0	7.2	8.5	14.7	12.2	9.7	10.1	23.5	5.0	2.7 J	2.9 J	4.0 J	4.2 J	
Iron	NA	NA	NA	NA	10,600	7,310	8,810	8,860	11,100	14,500	26,000	25,900	10,900	8,300	28,400	5,810	4,420	5,030	5,910	4,010	
Lead	63	400	400	450	26.8	40.4	7.3	36.9	16.0	10.6	9.7	12.0	10.7	9.0	11.2	2.8	2.2	3.1	3.0	2.1	
Magnesium	NA	NA	NA	NA	8,390	87,000	1,410	1,790	1,780	2,020	2,910	2,840	1,940	1,440	9,020	675 J	355 J	663 J	534 J	708 J	
Manganese	1,600	2,000	2,000	2,000	152	140	352	65.6	201	129	188	163	115	65.1	1,460	70.1	21.4	28.8	28.9	35.8	
Nickel	30	140	310	130	8.3	7.7	7.1 J	11.1	9.1	9.5	13.0	13.4	7.7 J	4.7 J	35.4	3.5 J	2.4 J	2.5 J	3.1 J	3.6 J	
Potassium	NA	NA	NA	NA	569 J	640 J	435 J	443 J	648 J	2,480	1,410	1,160 J	838 J	808 J	2,260	440 J	358 J	412 J	267 J	360 J	
Selenium	3.9	36	180	4	4.0 U	3.6 U	3.6 U	4.0 U	4.3 U	3.9 U	4.7 U	4.9 U	4.1 U	3.2 U	3.2 U	3.2 U	3.5 U	3.8 U	4.0 U	3.4 U	
Silver	2	36	180	8.3	0.70 J	7.6	1.8 U	1.7 J	0.21 J	1.9 U	2.3 U	2.5 U	1.5 J	4.8	0.48 J	1.6 U	1.7 U	1.9 U	2.0 U	1.7 U	
Sodium	NA	NA	NA	NA	150 J	95.4 J	108 J	122 J	119 J	213 J	1,170 U	93.1 J	1,040 U	67.9 J	152 J	809 U	872 U	939 U	989 U	860 U	
Thallium	NA	NA	NA	NA	4.0 U	3.6 U	3.6 U	4.0 U	4.3 U	3.9 U	4.7 U	4.9 U	4.1 U	3.3 U	3.2 U	3.2 U	3.5 U	3.8 U	4.0 U	3.4 U	
Vanadium	NA	NA	NA	NA	20.6	14.0	13.2	14.3	17.8	21.2	35.3	32.1	16.0	9.9	37.4	8.7	4.2 J	4.3 J	6.4 J	7.0 J	
Zinc	109	2,200	10,000	2,480	27.1	76.4	15.8	111	24.9	27.6	43.2	35.0	21.3	23.5	54.6	9.9	6.1	7.9	12.5	10.4	
Mercury	0.18	0.81	0.81	0.73	0.039	0.27	0.018 J	0.12	0.050	0.034	0.020	0.021	0.076	0.11	0.020 U	0.056	0.013 J	0.018 U	0.019 U	0.020 U	

TAL Metals (mg/kg)	NYSDEC SCOs				SL-20 / SL-21 / SL-22 Original Sample Locations - Post Excavation Data																			
					Supplemental Endpoint Samples										Supplemental Endpoint Samples									
					Side-wall Samples					Bottom Samples					Bottom Samples					Co-located Bottom and Sidewall Samples				
	NYSDEC Unrestricted SCO	Residential	Restricted Residential	Protection of Groundwater	SL-EP#260	SL-EP#261	SL-EP#262	SL-EP#263	SL-EP#264	SL-EP#265	SL-EP#257	SL-EP#258	SL-EP#259	SL-EP#313	SL-EP#314	SL-EP#315	SL-EP#316	SL-EP#317	SL-EP#318	SL-EP#319	SL-EP#320	SL-EP#321	SL-EP#322	SL-EP#323
Aluminum	NA	NA	NA	NA	6,580	8,640	7,150	6,550	10,200	5,000	2,260	16,400	17,100	19,100	NA	NA	6,430	9,260	11,100	12,900	10,400	4,810	10,300	7,670
Antimony	NA	NA	NA	NA	3.7 U	4.5 U	4.4 U	3.8 U	4.4 U	3.9 U	4.7 U	4.7 U	4.3 U	4.5 U	NA	NA	4.2 U	4.7 U	4.3 U	4.5 U	4.5 U	3.9 U	4.3 U	4.3 U
Arsenic	13	16	16	16	1.9 J	2.4 J	1.7 J	2.3 J	2.2 J	2.5 J	3.5 U	5.8	6.1	5.5	NA	NA	1.4 J	2.4 J	3.0 J	2.1 J	2.5 J	2.3 J	2.8 J	2.3 J
Barium	350	350	400	820	31.8 J	49.7	44.0	38.9	50.0	48.7	6.5 J	175	149	194	NA	NA	37.5 J	43.9	34.2 J	58.6	44.9 J	29.0 J	45.8	65.0
Beryllium	7.2	14	72	47	0.36 J	0.47	0.38 J	0.38	0.61	0.22 J	0.10 J	1.0	1.2	1.1	NA	NA	0.42 U	0.47 U	0.43 U	0.58	0.43 J	0.27 J	0.49	0.43 U
Cadmium	2.5	2.5	4.3	7.5	0.75 U	0.90 U	0.87 U	0.77 U	0.88 U	0.77 U	0.94 U	0.94 U	0.86 U	0.91 U	NA	NA	0.83 U	0.94 U	0.87 U	0.90 U	0.91 U	0.78 U	0.38 J	0.85 U
Calcium	NA	NA	NA	NA	570 J	1,960	4,230	1,290	891 J	5,900	336 J	2,160	1,890	2,080	NA	NA	702 J	506 J	484 J	1,290	572 J	546 J	787 J	883 J
Chromium ⁺	30	36	180	NS	14.1	15.3	14.8	16.1	26.9	60.3	6.0	36.1	39.1	41.1	NA	NA	12.7	17.6	19.8	16.4	20.3	12.9	12.9	14.3
Cobalt	NA	NA	NA	NA	2.6 J	5.0 J	3.9 J	5.2 J	3.7 J	2.7 J	1.5 J	12.7	12.1	14.1	NA	NA	2.9 J	2.9 J	3.9 J	4.3 J	4.1 J	3.2 J	4.7 J	3.6 J
Copper	50	270	270	1,720	1.9 J	10.4	6.8	9.2	6.0	5.7	3.1 J	27.9	31.7	28.7	NA	NA	10.5	5.3 J	9.3	7.9	12.3	7.5	9.0	6.2
Iron	NA	NA	NA	NA	13,800	11,500	14,100	10,700	9,860	6,020	4,090	31,800	40,000	35,500	NA	NA	8,510	12,900	13,800	12,800	12,900	11,700	14,200	14,800
Lead	63	400	400	450	4.7	32.0	12.2	8.1	13.6	6.7	1.9 J	12.5	13.2	15.4	NA	NA	12.1	15.0	6.7	20.3	8.5	4.8	6.5	14.2
Magnesium	NA	NA	NA	NA	1,630	2,010	1,770	2,160	1,590	1,150	496 J	6,630	6,720	7,200	NA	NA	1,310	1,740	2,130	2,040	2,300	712 J	2,180	1,340
Manganese	1,600	2,000	2,000	2,000	117	158	799	240	294	605	33.3	575	535	355	NA	NA	117	70.5	102	171	81.8	217	223	415
Nickel	30	140	310	130	6.0 J	10.1	7.9 J	10.4	8.8	6.9 J	2.8 J	41.3	40.7	45.6	NA	NA	7.9 J	7.8 J	9.6	11.0	9.8	7.0 J	12.0	7.8 J
Potassium	NA	NA	NA	NA	328 J	1,210	1,050 J	1,190	352 J	753 J	403 J	3,450	3,740	3,600	NA	NA	554 J	527 J	1,610	1,190	1,020 J	497 J	1,100	444 J
Selenium	3.9	36	180	4	3.7 U	4.5 U	4.4 U	3.8 U	4.4 U	3.9 U	4.7 U	4.7 U	4.3 U	4.5 U	NA	NA	4.2 U	4.7 U	4.3 U	4.5 U	4.5 U	3.9 U	4.3 U	4.3 U
Silver	2	36	180	8.3	1.9 U	2.2 U	0.11 J	1.9 U	2.2 U	1.3	2.3 U	2.3 U	2.1 U	2.3 U	NA	NA	2.1 U	2.4 U	2.2 U	2.2 U	2.3 U	0.43 J	2.1 U	2.1 U
Sodium	NA	NA	NA	NA	934 U	1,120 U	1,090 U	958 U	114 J	954 U	1,170 U	167 J	166 J	222 J	NA	NA	1,040 U	1,180 U	147 J	107 J	146 J	978 U	1,070 U	1,070 U
Thallium	NA	NA	NA	NA	3.7 U	4.5 U	4.4 U	3.8 U	4.4 U	3.9 U	4.7 U	4.7 U	4.3 U	4.5 U	NA	NA	4.2 U	4.7 U	4.3 U	4.5 U	4.5 U	3.9 U	4.3 U	4.3 U
Vanadium	NA	NA	NA	NA	27.8	20.4	17.2	14.7	17.2	10.7	6.1 J	41.0	44.6	47.9	NA	NA	13.3	22.8	26.8	22.2	27.5	12.3	21.9	18.4
Zinc	109	2,200	10,000	2,480	16.1	41.1	20.6	21.4	21.9	14.7	7.1	64.7	69.1	78.4	NA	NA	28.9	21.5	23.4	29.2	26.3	17.1	24.7	19.5
Mercury	0.18	0.81	0.81	0.73	0.019 U	0.050	0.015 J	0.013 J	0.033	0.10	0.020 U	0.031	0.019 U	0.019 U	NA	NA	0.031	0.028	0.014 J	0.088	0.019 U	0.038	0.022	0.019
Hexavalent Chrome	1				NA	NA	NA	NA	NA	NA	NA	NA	NA	1.2 J	2.2 U	2.3 U	NA	NA	NA	NA	NA	NA	NA	NA

Notes
J : Sample result is greater than the MDL but below the CRDL
U : Indicates analyzed for but not detected.
³ : Trivalent chromium SCOs utilized.
Highlighted / bolded indicates analyte exceeded above its respective NYSDEC Unrestricted SCO.
Green / italicized value indicates analyte exceeded its respective unrestricted SCO but was below its respective Residential / Protection of GW SCO, whichever is lower.
Blue / italicized value indicates analyte exceeded its respective Residential SCO and / or Protection of Groundwater SCO but was below its Restricted Residential SCO.
NA - Not Available
Indicates that sample locations were removed as part of supplemental soil excavation activities.



Table 6-27
TCL SVOCs Soil Analytical Data
SL-23 Original Sample Location - Post Excavation Data

TCL SVOCs (mg/kg)	NYSDEC Unrestricted SCO	SL-23 Original Sample Location - Post Excavation Data
		Bottom Sample
		SL-EP#6
		(5')
1,2,4,5-Tetrachlorobenzene	NA	0.33 U
1,4-Dioxane	0.1	0.33 U
2,2'-oxybis[1-chloropropane]	NA	0.33 U
2,3,4,6-Tetrachlorophenol	NA	0.33 U
2,4,5-Trichlorophenol	NA	0.33 U
2,4,6-Trichlorophenol	NA	0.33 U
2,4-Dichlorophenol	NA	0.33 U
2,4-Dimethylphenol	NA	0.33 U
2,4-Dinitrophenol	NA	0.99 U
2,4-Dinitrotoluene	NA	0.066 U
2,6-Dinitrotoluene	NA	0.066 U
2-Chloronaphthalene	NA	0.33 U
2-Chlorophenol	NA	0.33 U
2-Methylnaphthalene	NA	0.33 U
2-Methylphenol	0.33	0.33 U
2-Nitroaniline	NA	0.66 U
2-Nitrophenol	NA	0.33 U
3,3'-Dichlorobenzidine	NA	0.66 U
3-Nitroaniline	NA	0.66 U
4,6-Dinitro-2-methylphenol	NA	0.99 U
4-Bromophenyl phenyl ether	NA	0.33 U
4-Chloro-3-methylphenol	NA	0.33 U
4-Chloroaniline	NA	0.33 U
4-Chlorophenyl phenyl ether	NA	0.33 U
4-Methylphenol	0.33	0.33 U
4-Nitroaniline	NA	0.66 U
4-Nitrophenol	NA	0.99 U
Acenaphthene	20	0.33 U
Acenaphthylene	100	0.33 U
Acetophenone	NA	0.33 U
Anthracene	100	0.33 U
Atrazine	NA	0.33 U
Benzaldehyde	NA	0.33 U
Benzo[a]anthracene	1	0.033 U
Benzo[a]pyrene	1	0.033 U
Benzo[b]fluoranthene	1	0.033 U
Benzo[g,h,i]perylene	100	0.33 U
Benzo[k]fluoranthene	0.8	0.033 U
Bis(2-chloroethoxy)methane	NA	0.33 U
Bis(2-chloroethyl)ether	NA	0.033 U
Bis(2-ethylhexyl) phthalate	NA	0.33 U
Butyl benzyl phthalate	NA	0.33 U
Caprolactam	NA	0.33 U
Carbazole	NA	0.33 U
Chrysene	1	0.33 U
Dibenz(a,h)anthracene	0.33	0.033 U
Dibenzofuran	7	0.33 U
Diethyl phthalate	NA	0.33 U
Dimethyl phthalate	NA	0.33 U
Di-n-butyl phthalate	NA	0.33 U
Di-n-octyl phthalate	NA	0.33 U
Diphenyl	NA	0.33 U
Fluoranthene	100	0.33 U
Fluorene	30	0.33 U
Hexachlorobenzene	0.33	0.033 U
Hexachlorobutadiene	NA	0.066 U
Hexachlorocyclopentadiene	NA	0.33 U
Hexachloroethane	NA	0.033 U
Indeno[1,2,3-cd]pyrene	0.5	0.033 U
Isophorone	NA	0.33 U
Naphthalene	12	0.33 U
Nitrobenzene	NA	0.033 U
N-Nitrosodi-n-propylamine	NA	0.033 U
N-Nitrosodiphenylamine	NA	0.33 U
Pentachlorophenol	0.8	0.99 U
Phenanthrene	100	0.33 U
Phenol	0.33	0.33 U
Pyrene	100	0.33 U
Pyridine	NA	0.33 U
SVOC TICs		
Unknown	NA	0.15 J
Ethane, 1,1,2-trichloro-	NA	ND
Ethane, 1,1,2-trichloro-	NA	0.29 J N
Unknown	NA	ND
Unknown	NA	6.6 J
Ethane, 1,1,2,2-tetrachloro-	NA	0.58 J N
Octanoic Acid	NA	ND
Unknown	NA	ND
Octanoic Acid	NA	ND

Notes

ND: TIC not detected



Table 6-28
TAL Metals Soil Analytical Data
SL-23 Original Sample Location - Post Excavation Data

TAL Metals (mg/kg)	NYSDEC SCOs			SL-23 Original Sample Location - Post Excavation Data													
				End-Point Soil Samples						Supplemental Endpoint Samples							
				Side-wall Samples					Bottom Sample	Side-wall Samples					Bottom Samples		
	SL-EP#7 (4")	SL-EP#8 (1")	SL-EP#9 (2.5")	SL-EP#10 (4")	SL-EP#11 (1")	SL-EP#6 (5")	SL-EP#97 (1")	SL-EP#98 (4")	SL-EP#99 (1")	SL-EP#100 (2.5")	SL-EP#101 (1")	SL-EP#102 (4")	SL-EP#95 (7")	SL-EP#96 (7")			
Aluminum	NA	NA	NA	7,110	8,200	7,370	6,030	6,430	1,820	6,390	7,120	7,790	7,480	5,050	6,950	4,980	1,480
Antimony	NA	NA	NA	3.5 U	3.7 U	2.4 J	3.5 U	3.7 U	3.5 U	3.6 U	4.2 U	4.4 U	3.7 U	3.4 U	4.3 U	3.6 U	3.1 U
Arsenic	13	16	16	16.9	26.7	16.7	7.7	9.3	0.95 J	6.3	7.7	19.1	30.2	4.4	21.0	4.0	2.5
Barium	350	350	820	74.0	47.6	45.9	47.2	49.7	19.3 J	46.2	59.5	73.7	71.4	24.8 J	77.6	42.2	10.5 J
Beryllium	7.2	14	47	0.12 J	0.37 U	0.16 J	0.35 U	0.37 U	0.35 U	0.32 J	0.32 J	0.45	0.40	0.30 J	0.41 J	0.23 J	0.17 J
Cadmium	2.5	2.5	7.5	3.9	12.0	12.7	7.3	2.2	0.35 J	3.1	3.0	14.6	61.9	1.4	0.64 J	0.72 U	0.62 U
Calcium	NA	NA	NA	1,330	2,250	1,060	3,980	2,840	153 J	4,590	5,080	2,050	1,370	16,100	2,150	6,080	136 J
Chromium ¹	30	36	NS	13.2	15.5	14.4	14.1	15.7	3.9	15.8	19.3	16.1	16.8	8.9	14.3	16.4	7.2
Cobalt	NA	NA	NA	4.1 J	4.3 J	3.3 J	3.9 J	4.0 J	8.6 U	3.3 J	4.8 J	7.0 J	6.6 J	2.6 J	5.1 J	3.6 J	1.3 J
Copper	50	270	1,720	28.7	15.4	18.0	24.9	21.6	9.2	14.7	67.8	40.0	135	7.4	65.0	8.8	4.7
Iron	NA	NA	NA	16,300	11,300	8,300	8,730	11,800	4,790	9,840	11,800	11,700	14,500	9,530	13,400	9,010	8,000
Lead	63	400	450	162	74.3	355	67.8	74.0	5.3	65.1	55.2	195	247	19.1	194	17.0	2.7
Magnesium	NA	NA	NA	1,430	2,140	1,330	3560	2,660	312 J	3,560	4,640	1,920	1,440	9,830	1,470	4,270	266 J
Manganese	1,600	2,000	2,000	206	159	58.0	211	240	35.9	140	267	87.9	138	83.9	253	240	54.7
Nickel	30	140	130	9.6	11.1	10.2	10.0	9.8	3.2 J	9.5	11.0	12.3	10.9	6.7 J	10.5	8.9	2.7 J
Potassium	NA	NA	NA	509 J	548 J	477 J	827 J	739 J	195 J	735 J	1,320	648 J	488 J	415 J	365 J	1,120	134 J
Selenium	3.9	36	4	3.5 U	1.5 J	3.8 U	3.5 U	3.7 U	3.5 U	3.6 U	4.2 U	1.7 J	1.4 J	0.84 J	4.3 U	3.6 U	3.1 U
Silver	2	36	8.3	8.2	24.4	11.4	11.7	10.6	10.3	8.8	21.5	4.0	17.5	4.6	2.5	0.59 J	1.6 U
Sodium	NA	NA	NA	885 U	931 U	941 U	878 U	933 U	864 U	898 U	1,040 U	1,100 U	915 U	847 U	1,070 U	904 U	781 U
Thallium	NA	NA	NA	3.5 U	3.7 U	3.8 U	3.5 U	3.7 U	3.5 U	3.6 U	4.2 U	4.4 U	3.7 U	3.4 U	4.3 U	3.6 U	3.1 U
Vanadium	NA	NA	NA	18.8	26.6	17.9	15.8	18.4	4.9 J	16.1	20.1	21.5	21.0	11.6	18.3	14.1	10.5
Zinc	109	2,200	2,480	126	184	108	56.6	84.7	8.7	70.8	128	161	125	32.7	127	28.8	7.1
Mercury	0.18	0.81	0.73	0.079	0.13	0.50	0.14	0.089	0.054	0.15	0.12	0.39	0.40	0.021	0.23	0.021	0.018 U

TAL Metals (mg/kg)	NYSDEC SCOs			SL-23 Original Sample Location - Post Excavation Data											
				Supplemental Endpoint Samples											
				Side-wall Samples											
	Unrestricted	Residential	Protection of Groundwater	SL-EP#266 (4')	SL-EP#267 (1')	SL-EP#268 (4')	SL-EP#269 (1')	SL-EP#270 (4')	SL-EP#271 (1')	SL-EP#272 (4')	SL-EP#273 (1')	SL-EP#274 (4')	SL-EP#275 (1')	SL-EP#276 (4')	SL-EP#277 (1')
Aluminum	NA	NA	NA	6,040	5,490	4,720	7,400	6,500	4,890	6,550	4,720	8,940	5,180	6,110	5,240
Antimony	NA	NA	NA	0.70 J	4.2 U	4.0 U	4.0 U	3.9 U	4.3 U	1.2 J	3.8 U	0.74 J	3.8 U	3.9 J	3.6 U
Arsenic	13	16	16	12.0	9.9	5.2	7.6	21.4	7.9	26.6	1.8 J	10.8	8.8	27.3	2.8
Barium	350	350	820	51.1	42.7	29.0 J	45.7	31.4 J	81.9	16.0 J	59.7	24.2 J	71.7	21.1 J	21.1 J
Beryllium	7.2	14	47	0.32 J	0.28 J	0.23 J	0.39 J	0.29 J	0.27 J	0.41 J	0.24 J	0.24 J	0.28 J	0.38 J	0.28 J
Cadmium	2.5	2.5	7.5	3.2	2.4	1.2	0.84	3.7	2.8	0.66 J	11.2	2.4	1.0	1.2	0.81
Calcium	NA	NA	NA	9,050	8,810	16,200	4,780	5,660	1,320	2,140	872 J	1,620	1,040	1,700	2,400
Chromium ¹	30	36	NS	14.3	13.5	9.6	12.1	16.6	13.5	13.8	8.0	22.5	9.6	12.4	8.6
Cobalt	NA	NA	NA	4.5 J	4.4 J	2.8 J	3.4 J	4.2 J	3.0 J	4.3 J	2.4 J	4.5 J	2.9 J	5.9 J	3.1 J
Copper	50	270	1,720	21.5	19.7	24.0	12.7	24.3	28.3	39.7	8.7	8.1	10.2	32.5	10.1
Iron	NA	NA	NA	11,900	9,410	7,980	11,800	10,100	8,880	11,400	6,620	11,700	7,590	10,800	6,470
Lead	63	400	450	71.4	58.9	48.1	117	117	76.2	176	12.3	21.2	55.9	237	20.9
Magnesium	NA	NA	NA	5,570	5,580	9,810	2,700	4,360	1,650	1,630	1,020	3,430	1,120	1,300	2,020
Manganese	1,600	2,000	2,000	154	264	168	267	226	145	358	69.5	130	74.0	614	119
Nickel	30	140	130	11.6	9.6	6.8 J	8.9	10.9	8.1 J	10.2	5.8 J	13.0	6.4 J	8.9	6.5 J
Potassium	NA	NA	NA	854 J	767 J	469 J	505 J	944 J	616 J	409 J	305 J	1,530	315 J	443 J	409 J
Selenium	3.9	36	4	4.4 U	4.2 U	4.0 U	1.4 J	3.9 U	4.3 U	4.5 U	3.8 U	3.8 U	3.8 U	4.2 U	3.6 U
Silver	2	36	8.3	11.4	6.3	8.7	2.9	10.7	14.4	1.6 J	10.2	0.31 J	2.3	7.6	6.4
Sodium	NA	NA	NA	1,100 U	1,040 U	1,010 U	988 U	974 U	1,060 U	1,140 U	961 U	945 U	943 U	117 J	899 U
Thallium	NA	NA	NA	4.4 U	4.2 U	4.0 U	4.0 U	3.9 U	4.3 U	4.5 U	3.8 U	3.8 U	3.8 U	4.2 U	3.6 U
Vanadium	NA	NA	NA	16.2	16.3	12.2	16.2	17.1	14.6	17.6	9.8	17.9	12.5	15.6	12.1
Zinc	109	2,200	2,480	66.3	56.7	47.7	44.1	57.5	69.3	133	53.6	55.1	61.4	390	26.1
Mercury	0.18	0.81	0.73	0.14	0.15	0.11	0.16	0.12	0.063	0.30	0.034	0.015 J	0.045	0.073	0.055

Notes:
J : Sample result is greater than the MDL but below the CRDL
U : Indicates analyzed for but not detected.
¹ Trivalent chromium SCOs utilized.
Highlighted / bolded indicates analyte exceeded above its respective NYSDEC Unrestricted SCO.
Green / italicized value indicates analyte exceeded its respective unrestricted SCO but was below its respective Residential / Protection of GW SCO, whichever is lower.
NA - Not Available

Indicates that sample locations were removed as part of supplemental soil excavation activities.



Table 6-28
TAL Metals Soil Analytical Data
SL-23 Original Sample Location - Post Excavation Data

TAL Metals (mg/kg)	NYSDEC SCOs					SL-23 Original Sample Location - Post Excavation Data									
						End-Point Soil Samples									
						Co-located Bottom and Sidewall Samples									
						SL-EP#278	SL-EP#279	SL-EP#280	SL-EP#281	SL-EP#282	SL-EP#283	SL-EP#284	SL-EP#285	SL-EP#286	SL-EP#287
	Unrestricted	Residential	Restricted Residential	Commercial	Protection of Groundwater	(5')	(1')	(5')	(1')	(5')	(1')	(5')	(1')	(5')	(1')
Aluminum	NA	NA	NA	NA	NA	5,980	6,150	5,600	6,540	5,590	6,010	7,500	4,710	7,980	5,210
Antimony	NA	NA	NA	NA	NA	4.3 U	4.0 U	3.8 U	3.9 U	4.3 U	4.1 U	4.2 U	2.0 J	2.4 J	4.1 U
Arsenic	13	16	16	16	16	14.5	4.8	7.9	3.4	13.2	3.9	19.5	20.6	28.7	9.0
Barium	350	350	400	400	820	382	44.2	44.0	29.6 J	43.3	23.5 J	90.9	40.9	91.5	31.6 J
Beryllium	7.2	14	72	590	47	0.43 U	0.28 J	0.38 U	0.30 J	0.43 U	0.41 U	0.36 J	0.40 U	0.40 J	0.41 U
Cadmium	2.5	2.5	4.3	9.3	7.5	1.1	1.8	0.76 U	0.28 J	0.54 J	2.4	0.31 J	1.1	3.2	0.82 U
Calcium	NA	NA	NA	NA	NA	1,730	17,000	1,520	3,060	1,330	3,070	3,550	26,000	1,410	1,270
Chromium ¹	30	36	180	1,500	NS	18.1	19.5	16.7	11.2	16.6	10.1	13.4	18.1	16.1	10.3
Cobalt	NA	NA	NA	NA	NA	4.7 J	5.0 J	3.6 J	3.6 J	4.2 J	3.4 J	4.2 J	3.5 J	5.2 J	2.8 J
Copper	50	270	270	270	1,720	24.9	18.3	17.4	7.0	15.6	7.1	31.9	32.6	39.8	18.1
Iron	NA	NA	NA	NA	NA	10,200	10,400	8,500	9,880	10,600	8,220	11,200	9,860	14,000	8,520
Lead	63	400	400	1,000	450	106	37.4	23.7	19.0	72.7	17.0	140	96.2	241	92.9
Magnesium	NA	NA	NA	NA	NA	1,650	9,110	2,310	2,720	2,130	2,620	2,200	13,400	1,540	1,010 J
Manganese	1,600	2,000	2,000	10,000	2,000	234	300	187	82.4	133	66.9	250	223	558	197
Nickel	30	140	310	310	130	10	10.6	9.3	7.7 J	9.8	8.1 J	10.4	13.5	12.1	6.6 J
Potassium	NA	NA	NA	NA	NA	611 J	908 J	971	521 J	852 J	512 J	447 J	454 J	495 J	363 J
Selenium	3.9	36	180	1,500	4	4.3 U	4.0 U	3.8 U	3.9 U	4.3 U	4.1 U	4.2 U	4.0 U	4.7 U	4.1 U
Silver	2	36	180	1,500	8.3	5.3	20.7	3.0	4.8	5.5	4.0	1.6 J	6.9	11.1	3.5
Sodium	NA	NA	NA	NA	NA	1,070 U	997 U	950 U	987 U	1,070 U	88 J	1,050 U	1,010 U	1,180 U	1,030 U
Thallium	NA	NA	NA	NA	NA	4.3 U	4.0 U	3.8 U	3.9 U	4.3 U	4.1 U	4.2 U	4.0 U	4.7 U	4.1 U
Vanadium	NA	NA	NA	NA	NA	18.6	17.8	14.4	14.8	14.9	12.9	17.6	19.2	20.2	12.0
Zinc	109	2,200	10,000	10,000	2,480	282	69.8	39.5	29.9	107	63.3	130	95.7	136	69.3
Mercury	0.18	0.81	0.81	2.8	0.73	0.15	0.12	0.061	0.018 U	0.038	0.018	0.25	0.44	0.35	0.37

TAL Metals (mg/kg)	NYSDEC SCOs					SL-23 Original Sample Location - Post Excavation Data									
						End-Point Soil Samples									
						Co-located Bottom and Sidewall Samples									
						SL-EP#288	SL-EP#289	SL-EP#290	SL-EP#291	SL-EP#292	SL-EP#293	SL-EP#294	SL-EP#295	SL-EP#296	SL-EP#297
	Unrestricted	Residential	Restricted Residential	Commercial	Protection of Groundwater	(5')	(1')	(5')	(1')	(5')	(1')	(5')	(1')	(5')	(1')
Aluminum	NA	NA	NA	NA	NA	11,600	3,940	8,380	10,100	4,010	5,380	7,080	7,560	4,740	6,160
Antimony	NA	NA	NA	NA	NA	3.1 J	4.2 U	2.9 J	2.5 J	3.6 U	4.2 U	3.8 U	4.7 U	4.3 U	4.3 U
Arsenic	13	16	16	16	16	10.1	4.5	13.0	9.8	1.9 J	3.3	2.7 J	2.6 J	1.4 J	1.9 J
Barium	350	350	400	400	820	91.2	29.4 J	64.6	68.8	38.3	25.4 J	27.5 J	30.8 J	24.6 J	24.7 J
Beryllium	7.2	14	72	590	47	0.51	0.42 U	0.39 J	0.46	0.28 J	0.42 U	0.27 J	0.36 J	0.43 U	0.32 J
Cadmium	2.5	2.5	4.3	9.3	7.5	0.90 U	1.2	0.91 U	0.89 U	0.72 U	0.85 U	0.77 U	0.94 U	0.86 U	0.86 U
Calcium	NA	NA	NA	NA	NA	1,780	3,540	1,860	8,170	3,280	1,000 J	1,240	2,400	513 J	1,110
Chromium ¹	30	36	180	1,500	NS	16.8	10.4	24.0	28.3	14.6	8.2	14.6	9.9	7.9	9.2
Cobalt	NA	NA	NA	NA	NA	6.0 J	2.5 J	5.0 J	4.9 J	4.2 J	2.4 J	5.5 J	2.8 J	3.9 J	2.4 J
Copper	50	270	270	270	1,720	14.6	10.7	16.3	19.7	7.8	55.1	7.9	6.8	4.8 J	6.5
Iron	NA	NA	NA	NA	NA	16,400	7,160	16,700	13,700	13,100	6,830	12,300	8,740	7,490	7,840
Lead	63	400	400	1,000	450	60.1	29.9	109	144	5.5	57.1	8.3	36.6	5.6	23.9
Magnesium	NA	NA	NA	NA	NA	1,890	2,940	1,710	2,380	1,610	1,110	2,340	1,310	1,050 J	984 J
Manganese	1,600	2,000	2,000	10,000	2,000	367	142	320	298	447	93.2	485	145	327	123
Nickel	30	140	310	310	130	11.9	7.0 J	12.1	17.8	10.0	5.9 J	7.8	7.5 J	6.3 J	6.2 J
Potassium	NA	NA	NA	NA	NA	644 J	713 J	564 J	609 J	778 J	269 J	692 J	296 J	481 J	211 J
Selenium	3.9	36	180	1,500	4	4.5 U	4.2 U	4.5 U	4.4 U	3.6 U	4.2 U	3.8 U	4.7 U	4.3 U	4.3 U
Silver	2	36	180	1,500	8.3	2.2 U	4.4	0.53 J	1.1 J	4.5	0.55 J	1.9 U	2.3 U	2.2 U	2.1 U
Sodium	NA	NA	NA	NA	NA	1,120 U	1,040 U	1,140 U	1,110 U	906 U	1,060 U	958 U	1,170 U	1,080 U	1,070 U
Thallium	NA	NA	NA	NA	NA	4.5 U	4.2 U	4.5 U	4.4 U	3.6 U	4.2 U	3.8 U	4.7 U	4.3 U	4.3 U
Vanadium	NA	NA	NA	NA	NA	24.5	12.1	22.8	23.9	15.6	11.2	19.2	14.0	10.8	11.4
Zinc	109	2,200	10,000	10,000	2,480	63.0	33.8	68.1	101	22.6	59.4	28.5	28.4	13.8	20.8
Mercury	0.18	0.81	0.81	2.8	0.73	0.27	0.099	0.13	0.061	0.017 U	0.25	0.018	0.029	0.018 U	0.050

Notes
J : Sample result is greater than the MDL but below the CRDL
U : Indicates analyzed for but not detected.

¹ Trivalent chromium SCOs utilized.
Highlighted / bolded indicates analyte exceeded above its respective NYSDEC Unrestricted SCO.
Green / italicized value indicates analyte exceeded its respective unrestricted SCO but was below its respective Residential / Protection of GW SCO, whichever is lower.
Blue / italicized value indicates analyte exceeded its respective Residential SCO and / or Protection of Groundwater SCO but was below its Restricted Residential SCO.
Pink / italicized value indicates analyte exceeded its respective Residential SCO and / or Protection of Groundwater SCO but was below its Commercial SCO.
Pale Yellow / italicized value indicates analyte detected at above its Unrestricted SCO and Protection of Groundwater SCO but below its Residential SCO.
NA - Not Available
NS - No Standard Available



Table 6-28
TAL Metals Soil Analytical Data
SL-23 Original Sample Location - Post Excavation Data

TAL Metals (mg/kg)	NYSDEC SCOs					SL-23 Original Sample Location - Post Excavation Data													
						End-Point Soil Samples													
						Co-located Bottom and Sidewall Samples													
	Unrestricted	Residential	Restricted Residential	Commercial	Protection of Groundwater	SL-EP#348	SL-EP#348	SL-EP#349	SL-EP#349	SL-EP#350	SL-EP#350	SL-EP#351	SL-EP#351	SL-EP#352	SL-EP#352	SL-EP#353	SL-EP#354	SL-EP#355	SL-EP#356
						(5')	(1')	(5')	(1')	(5')	(1')	(5')	(1')	(5')	(1')	(7')	(7')	(7')	(7')
Aluminum	NA	NA	NA	NA	NA	1,990	4,980	4,250	4,930	3,530	2,380	2,010	3,140	1,540	4,350	1,380	1,380	1,610	1,360
Antimony	NA	NA	NA	NA	NA	3.6 U	3.6 U	3.5 U	3.3 U	4.0 U	4.2 U	3.8 U	3.7 U	3.8 U	3.9 U	4.0 U	3.6 U	4.6 U	4.0 U
Arsenic	13	16	16	16	16	0.86 J	5.6	9.4	4.4	6.2	1.6 J	2.4 J	2.7 J	0.92 J	12.2	0.84 J	0.92 J	1.5 J	5.2
Barium	350	350	400	400	820	18.1 J	25.9 J	20.6 J	22.2 J	26.3 J	12.2 J	14.1 J	17.2 J	10.7 J	23.0 J	10.7 J	9.4 J	14.0 J	10.8 J
Beryllium	7.2	14	72	590	47	0.36 U	0.36 U	0.35 U	0.26 J	0.40 U	0.42 U	0.38 U	0.37 U	0.38 U	0.39 U	0.40 U	0.36 U	0.46 U	0.40 U
Cadmium	2.5	2.5	4.3	9.3	7.5	0.73 U	6.2	1.8	3.0	0.70 J	5.9	0.37 J	12.0	0.76 U	7.6	0.80 U	0.73 U	0.92 U	0.81 U
Calcium	NA	NA	NA	NA	NA	324 J	5,490	4,420	47,600	6,510	234 J	15,400	963	205 J	55,600	243 J	178 J	177 J	265 J
Chromium ¹	30	36	180	1,500	NS	4.8	9.8	10.5	10.7	9.1	5.7	10.7	8.8	3.3	11.5	5.1	4.1	3.0	4.8
Cobalt	NA	NA	NA	NA	NA	2.0 J	3.1 J	2.4 J	3.2 J	3.6 J	1.5 J	1.7 J	2.1 J	1.5 J	5.9 J	1.5 J	1.7 J	2.2 J	1.2 J
Copper	50	270	270	270	1,720	3.5 J	8.6	11.4	8.9	8.3	3.5 J	4.8	7.3	2.8 J	17.1	3.9 J	1.9 J	2.6 J	3.1 J
Iron	NA	NA	NA	NA	NA	4,170	7,600	6,770	8,600	7,770	4,320	4,770	6,190	3,650	9,190	4,100	5,990	3,570	5,740
Lead	63	400	400	1,000	450	1.2 J	24.9	38.8	23.1	14.5	5.3	5.9	10.3	1.4 J	27.7	1.7 J	0.99 J	1.1 J	2.1
Magnesium	NA	NA	NA	NA	NA	603 J	3,710	3,040	27,100	4,200	603 J	9,070	1,080	271 J	32,000	471 J	445 J	352 J	379 J
Manganese	1,600	2,000	2,000	10,000	2,000	238	99.2	91.5	148	203	63.4	102	88.7	83.5	297	145	125	110	88.3
Nickel	30	140	310	310	130	4.4 J	7.2	6.4 J	7.8	8.8	3.4 J	4.1 J	5.4 J	3.0 J	10.1	3.9 J	3.6 J	3.2 J	3.3 J
Potassium	NA	NA	NA	NA	NA	270 J	550 J	356 J	559 J	473 J	342 J	290 J	434 J	175 J	537 J	318 J	223 J	171 J	176 J
Selenium	3.9	36	180	1,500	4	3.6 U	3.6 U	3.5 U	3.3 U	4.0 U	4.2 U	3.8 U	3.7 U	3.8 U	3.9 U	4.0 U	3.6 U	4.6 U	4.0 U
Silver	2	36	180	1,500	8.3	1.8 U	5.4	10.5	5.5	0.91 J	6.3	2.4	13.3	1.9 U	23.6	2.0 U	1.8 U	1.7 J	2.0 U
Sodium	NA	NA	NA	NA	NA	912 U	903 U	887 U	837 U	993 U	1,060 U	940 U	922 U	953 U	975 U	996 U	906 U	1,150 U	1,010 U
Thallium	NA	NA	NA	NA	NA	3.6 U	3.6 U	3.5 U	3.3 U	4.0 U	4.2 U	3.8 U	3.7 U	3.8 U	3.9 U	4.0 U	3.6 U	4.6 U	4.0 U
Vanadium	NA	NA	NA	NA	NA	4.6 J	15.5	13.7	13.2	9.2 J	6.4 J	5.1 J	9.3	3.8 J	15.8	4.5 J	3.9 J	3.8 J	3.8 J
Zinc	109	2,200	10,000	10,000	2,480	5.9	43.1	33.9	40.5	21.7	26.3	11.8	103	6.1	269	7.1	7.3	6.1 J	7.1
Mercury	0.18	0.81	0.81	2.8	0.73	0.016	0.080	0.11	0.067	0.061	0.015 J	0.026	0.040	0.017 U	0.095	0.017	0.017 U	0.037	0.019

Notes
J : Sample result is greater than the MDL but below the CRDL
U : Indicates analyzed for but not detected.
¹ Trivalent chromium SCOs utilized.
Highlighted / bolded indicates analyte exceeded above its respective NYSDEC Unrestricted SCO.
Green / italicized value indicates analyte exceeded its respective unrestricted SCO but was below its respective Residential / Protection of GW SCO, whichever is lower.
Blue / italicized value indicates analyte exceeded its respective Residential SCO and / or Protection of Groundwater SCO but was below its Restricted Residential SCO.
Pink / italicized value indicates analyte exceeded its respective Residential SCO and / or Protection of Groundwater SCO but was below its Commercial SCO.
Pale Yellow / italicized value indicates analyte detected at above its Unrestricted SCO and Protection of Groundwater SCO but below its Residential SCO.
NA - Not Available
NS - No Standard Available

Table 6-29
TCL SVOC Soil Analytical Data
SL-33 / 34 Original Sample Locations - Post Excavation Data

TCL SVOCs (mg/kg)	NYSDEC SCOs					SL-33 / 34 Original Sample Locations - Post Excavation Data																
						Side-wall Samples										Bottom Samples						
	Unrestricted SCO	Residential	Restricted Residential	Commercial	Protection of Groundwater	SL-EP#137	SL-EP#138	SL-EP#139	SL-EP#140	SL-EP#141	SL-EP#142	SL-EP#143	SL-EP#144	SL-EP#145	SL-EP#146	SL-EP#147	SL-EP#148	SL-EP#149	SL-EP#150	SL-EP#151	SL-EP#152	SL-EP#153
						(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)
1,2,4,5-Tetrachlorobenzene	NA	NA	NA	NA	NA	0.37 U	20 U	1.9 U	3.7 U	0.38 U	0.37 U	0.75 U	0.73 U	0.77 U	1.9 U	0.38 U	0.38 U	0.38 U	0.38 U	0.35 U	0.37 U	0.42 U
1,4-Dioxane	0.1	9.8	13	130	0.1	0.37 U	20 U	1.9 U	3.7 U	0.38 U	0.37 U	0.75 U	0.73 U	0.77 U	1.9 U	0.38 U	0.38 U	0.38 U	0.38 U	0.35 U	0.37 U	0.42 U
2,2'-oxybis[1-chloropropane]	NA	NA	NA	NA	NA	0.37 U	20 U	1.9 U	3.7 U	0.38 U	0.37 U	0.75 U	0.73 U	0.77 U	1.9 U	0.38 U	0.38 U	0.38 U	0.38 U	0.35 U	0.37 U	0.42 U
2,3,4,6-Tetrachlorophenol	NA	NA	NA	NA	NA	0.37 U	20 U	1.9 U	3.7 U	0.38 U	0.37 U	0.75 U	0.73 U	0.77 U	1.9 U	0.38 U	0.38 U	0.38 U	0.38 U	0.35 U	0.37 U	0.42 U
2,4,5-Trichlorophenol	NA	NA	NA	NA	NA	0.37 U	20 U	1.9 U	3.7 U	0.38 U	0.37 U	0.75 U	0.73 U	0.77 U	1.9 U	0.38 U	0.38 U	0.38 U	0.38 U	0.35 U	0.37 U	0.42 U
2,4,6-Trichlorophenol	NA	NA	NA	NA	NA	0.37 U	20 U	1.9 U	3.7 U	0.38 U	0.37 U	0.75 U	0.73 U	0.77 U	1.9 U	0.38 U	0.38 U	0.38 U	0.38 U	0.35 U	0.37 U	0.42 U
2,4-Dichlorophenol	NA	NA	NA	NA	NA	0.37 U	20 U	1.9 U	3.7 U	0.38 U	0.37 U	0.75 U	0.73 U	0.77 U	1.9 U	0.38 U	0.38 U	0.38 U	0.38 U	0.35 U	0.37 U	0.42 U
2,4-Dimethylphenol	NA	NA	NA	NA	NA	0.37 U	20 U	1.9 U	3.7 U	0.38 U	0.37 U	0.75 U	0.73 U	0.77 U	1.9 U	0.38 U	0.38 U	0.38 U	0.38 U	0.35 U	0.37 U	0.42 U
2,4-Dinitrophenol	NA	NA	NA	NA	NA	1.1 U	61 U	5.8 U	11 U	1.1 U	1.1 U	2.3 U	2.2 U	2.3 U	5.8 U	1.2 U	1.1 U	1.1 U	1.1 U	1.1 U	1.3 U	1.1 U
2,4-Dinitrotoluene	NA	NA	NA	NA	NA	0.074 U	4.1 U	0.39 U	0.76 U	0.077 U	0.074 U	0.15 U	0.15 U	0.16 U	0.39 U	0.078 U	0.077 U	0.076 U	0.072 U	0.075 U	0.085 U	0.075 U
2,6-Dinitrotoluene	NA	NA	NA	NA	NA	0.074 U	4.1 U	0.39 U	0.76 U	0.077 U	0.074 U	0.15 U	0.15 U	0.16 U	0.39 U	0.078 U	0.077 U	0.076 U	0.072 U	0.075 U	0.085 U	0.075 U
2-Chloronaphthalene	NA	NA	NA	NA	NA	0.37 U	20 U	1.9 U	3.7 U	0.38 U	0.37 U	0.75 U	0.73 U	0.77 U	1.9 U	0.38 U	0.38 U	0.38 U	0.38 U	0.35 U	0.37 U	0.42 U
2-Chlorophenol	NA	NA	NA	NA	NA	0.37 U	20 U	1.9 U	3.7 U	0.38 U	0.37 U	0.75 U	0.73 U	0.77 U	1.9 U	0.38 U	0.38 U	0.38 U	0.38 U	0.35 U	0.37 U	0.42 U
2-Methylnaphthalene	NA	NA	NA	NA	NA	0.091 J	8.8 J	0.61 J	1.1 J	0.056 J	0.37 U	0.39 J	1.6	0.77 U	0.29 J	0.38 U	0.38 U	0.38 U	0.18 J	0.35 U	0.42 U	0.37 U
2-Methylphenol	0.33	100	100	500	0.33	0.37 U	20 U	1.9 U	3.7 U	0.38 U	0.37 U	0.75 U	0.73 U	0.77 U	1.9 U	0.38 U	0.38 U	0.38 U	0.38 U	0.35 U	0.37 U	0.42 U
2-Nitroaniline	NA	NA	NA	NA	NA	0.74 U	41 U	3.9 U	7.6 U	0.77 U	0.74 U	1.5 U	1.5 U	1.6 U	3.9 U	0.78 U	0.77 U	0.76 U	0.72 U	0.75 U	0.85 U	0.75 U
2-Nitrophenol	NA	NA	NA	NA	NA	0.37 U	20 U	1.9 U	3.7 U	0.38 U	0.37 U	0.75 U	0.73 U	0.77 U	1.9 U	0.38 U	0.38 U	0.38 U	0.38 U	0.35 U	0.37 U	0.42 U
3,3'-Dichlorobenzidine	NA	NA	NA	NA	NA	0.74 U	41 U	3.9 U	7.6 U	0.77 U	0.74 U	1.5 U	1.5 U	1.6 U	3.9 U	0.78 U	0.77 U	0.76 U	0.72 U	0.75 U	0.85 U	0.75 U
3-Nitroaniline	NA	NA	NA	NA	NA	0.74 U	41 U	3.9 U	7.6 U	0.77 U	0.74 U	1.5 U	1.5 U	1.6 U	3.9 U	0.78 U	0.77 U	0.76 U	0.72 U	0.75 U	0.85 U	0.75 U
4,6-Dinitro-2-methylphenol	NA	NA	NA	NA	NA	1.1 U	61 U	5.8 U	11 U	1.1 U	1.1 U	2.3 U	2.2 U	2.3 U	5.8 U	1.2 U	1.1 U	1.1 U	1.1 U	1.1 U	1.3 U	1.1 U
4-Bromophenyl phenyl ether	NA	NA	NA	NA	NA	0.37 U	20 U	1.9 U	3.7 U	0.38 U	0.37 U	0.75 U	0.73 U	0.77 U	1.9 U	0.38 U	0.38 U	0.38 U	0.38 U	0.35 U	0.37 U	0.42 U
4-Chloro-3-methylphenol	NA	NA	NA	NA	NA	0.37 U	20 U	1.9 U	3.7 U	0.38 U	0.37 U	0.75 U	0.73 U	0.77 U	1.9 U	0.38 U	0.38 U	0.38 U	0.38 U	0.35 U	0.37 U	0.42 U
4-Chloroaniline	NA	NA	NA	NA	NA	0.37 U	20 U	1.9 U	3.7 U	0.38 U	0.37 U	0.75 U	0.73 U	0.77 U	1.9 U	0.38 U	0.38 U	0.38 U	0.38 U	0.35 U	0.37 U	0.42 U
4-Chlorophenyl phenyl ether	NA	NA	NA	NA	NA	0.37 U	20 U	1.9 U	3.7 U	0.38 U	0.37 U	0.75 U	0.73 U	0.77 U	1.9 U	0.38 U	0.38 U	0.38 U	0.38 U	0.35 U	0.37 U	0.42 U
4-Methylphenol	0.33	34	100	500	0.33	0.37 U	20 U	1.9 U	3.7 U	0.38 U	0.37 U	0.75 U	0.73 U	0.77 U	1.9 U	0.38 U	0.38 U	0.38 U	0.38 U	0.35 U	0.37 U	0.42 U
4-Nitroaniline	NA	NA	NA	NA	NA	0.74 U	41 U	3.9 U	7.6 U	0.77 U	0.74 U	1.5 U	1.5 U	1.6 U	3.9 U	0.78 U	0.77 U	0.76 U	0.72 U	0.75 U	0.85 U	0.75 U
4-Nitrophenol	NA	NA	NA	NA	NA	1.1 U	61 U	5.8 U	11 U	1.1 U	1.1 U	2.3 U	2.2 U	2.3 U	5.8 U	1.2 U	1.1 U	1.1 U	1.1 U	1.1 U	1.3 U	1.1 U
Acenaphthene	20	100	100	500	98	0.085 J	46	2.6	6.1	0.38 U	0.13 J	0.55 J	1.4	0.11 J	3.6	0.38 U	0.38 U	0.38 U	0.82	0.35 U	0.17 J	0.42 U
Acenaphthylene	100	100	100	500	107	0.37 U	20 U	0.43 J	3.7 U	0.38 U	0.37 U	0.38 J	0.66 J	0.55 J	1.9 U	0.38 U	0.38 U	0.38 U	0.067 J	0.35 U	0.28 J	0.42 U
Acetophenone	NA	NA	NA	NA	NA	0.37 U	20 U	1.9 U	3.7 U	0.38 U	0.37 U	0.75 U	0.73 U	0.77 U	1.9 U	0.38 U	0.38 U	0.38 U	0.38 U	0.35 U	0.37 U	0.42 U
Anthracene	100	100	100	500	1,000	0.18 J	77	5.1	12	0.093 J	0.30 J	1.1	2.5	1.7	7.8	0.38 U	0.38 U	0.38 U	1.4	0.35 U	0.80	0.22 J
Atrazine	NA	NA	NA	NA	NA	0.37 U	20 U	1.9 U	3.7 U	0.38 U	0.37 U	0.75 U	0.73 U	0.77 U	1.9 U	0.38 U	0.38 U	0.38 U	0.38 U	0.35 U	0.37 U	0.42 U
Benzaldehyde	NA	NA	NA	NA	NA	0.37 U	20 U	1.9 U	3.7 U	0.38 U	0.37 U	0.75 U	0.73 U	0.77 U	1.9 U	0.38 U	0.38 U	0.38 U	0.38 U	0.35 U	0.37 U	0.42 U
Benzo[a]anthracene	1	1	1	5.6	1	0.71	120	10	23	0.32	1.1	3.9	5.1	5.7	10	0.038 U	0.038 U	0.038 U	3.5	0.035 U	4.1	0.32
Benzo[a]pyrene	1	1	1	1	22	0.78	110	12	24	0.42	1.2	4.4	5.1	5.9	10	0.038 U	0.0064 J	0.0064 J	4.1	0.035 U	5.2	0.76
Benzo[b]fluoranthene	1	1	1	5.6	1.7	1.0	130	13	27	0.54	1.5	4.4	5.0	6.5	11	0.038 U	0.012 J	0.012 J	4.3	0.035 U	5.3	0.71
Benzo[g,h,i]perylene	100	100	100	500	1,000	0.51	73	8.2	17	0.23 J	0.78	3.0	3.1	3.6	5.0	0.38 U	0.38 U	0.38 U	3.0	0.35 U	4.2	0.56
Benzo[k]fluoranthene	0.8	1	3.9	56	1.7	0.35	54	4.3	11	0.20	0.50	1.6	1.9	2.2	4.0	0.038 U	0.038 U	0.038 U	2.0	0.035 U	1.6	0.24
Bis(2-chloroethoxy)methane	NA	NA	NA	NA	NA	0.37 U	20 U	1.9 U	3.7 U	0.38 U	0.37 U	0.75 U	0.73 U	0.77 U	1.9 U	0.38 U	0.38 U	0.38 U	0.38 U	0.35 U	0.37 U	0.42 U
Bis(2-chloroethyl)ether	NA	NA	NA	NA	NA	0.037 U	2.0 U	0.19 U	0.37 U	0.038 U	0.037 U	0.075 U	0.073 U	0.077 U	0.19 U	0.038 U	0.038 U	0.038 U	0.038 U	0.035 U	0.037 U	0.042 U
Bis(2-ethylhexyl) phthalate	NA	NA	NA	NA	NA	0.19 J	20 U	1.9 U	3.7 U	0.38 U	0.37 U	0.45 J	0.73 U	0.77 U	1.9 U	0.35 J	0.24 J	0.38 U	0.35 U	0.16 J	0.21 J	
Butyl benzyl phthalate	NA	NA	NA	NA	NA	0.37 U	20 U	1.9 U	3.7 U	0.38 U	0.37 U	0.75 U	0.73 U	0.77 U	1.9 U	0.38 U	0.38 U	0.38 U	0.38 U	0.35 U	0.37 U	

Table 6-29
TCL SVOC Soil Analytical Data
SL-33 / 34 Original Sample Locations - Post Excavation Data

		SL-33 / 34 Original Sample Locations - Post Excavation Data																			
		Supplemental End Post Soil Samples														Bottom Samples					
		Side-wall Samples																			
	NYSDEC	SL-EP#241	SL-EP#242	SL-EP#243	SL-EP#244	SL-EP#245	SL-EP#246	SL-EP#251	SL-EP#252	SL-EP#253	SL-EP#254	SL-EP#255	SL-EP#256	SL-EP#237	SL-EP#238	SL-EP#239	SL-EP#240	SL-EP#247	SL-EP#248	SL-EP#249	SL-EP#250
	Unrestricted SCO	(#)	(#)	(#)	(#)	(#)	(#)	(#)	(#)	(#)	(#)	(#)	(#)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)
TCL SVOCs (mg/kg)																					
1,2,4,5-Tetrachlorobenzene	NA	0.36 U	0.77 U	0.39 U	0.35 U	0.39 U	0.39 U	0.38 U	0.39 U	0.36 U	0.36 U	0.37 U	0.41 U	0.36 U	0.42 U	0.36 U	0.38 U	0.38 U	0.38 U	0.38 U	0.41 U
1,4-Dioxane	0.1	0.36 U	0.77 U	0.39 U	0.35 U	0.39 U	0.39 U	0.38 U	0.39 U	0.36 U	0.36 U	0.37 U	0.41 U	0.36 U	0.42 U	0.36 U	0.38 U	0.38 U	0.38 U	0.38 U	0.41 U
2,2'-oxybis[1-chloropropane]	NA	0.36 U	0.77 U	0.39 U	0.35 U	0.39 U	0.39 U	0.38 U	0.39 U	0.36 U	0.36 U	0.37 U	0.41 U	0.36 U	0.42 U	0.36 U	0.38 U	0.38 U	0.38 U	0.38 U	0.41 U
2,3,4,6-Tetrachlorophenol	NA	0.36 U	0.77 U	0.39 U	0.35 U	0.39 U	0.39 U	0.38 U	0.39 U	0.36 U	0.36 U	0.37 U	0.41 U	0.36 U	0.42 U	0.36 U	0.38 U	0.38 U	0.38 U	0.38 U	0.41 U
2,4,5-Trichlorophenol	NA	0.36 U	0.77 U	0.39 U	0.35 U	0.39 U	0.39 U	0.38 U	0.39 U	0.36 U	0.36 U	0.37 U	0.41 U	0.36 U	0.42 U	0.36 U	0.38 U	0.38 U	0.38 U	0.38 U	0.41 U
2,4,6-Trichlorophenol	NA	0.36 U	0.77 U	0.39 U	0.35 U	0.39 U	0.39 U	0.38 U	0.39 U	0.36 U	0.36 U	0.37 U	0.41 U	0.36 U	0.42 U	0.36 U	0.38 U	0.38 U	0.38 U	0.38 U	0.41 U
2,4-Dichlorophenol	NA	0.36 U	0.77 U	0.39 U	0.35 U	0.39 U	0.39 U	0.38 U	0.39 U	0.36 U	0.36 U	0.37 U	0.41 U	0.36 U	0.42 U	0.36 U	0.38 U	0.38 U	0.38 U	0.38 U	0.41 U
2,4-Dimethylphenol	NA	0.36 U	0.77 U	0.39 U	0.35 U	0.39 U	0.39 U	0.38 U	0.39 U	0.36 U	0.36 U	0.37 U	0.41 U	0.36 U	0.42 U	0.36 U	0.38 U	0.38 U	0.38 U	0.38 U	0.41 U
2,4-Dinitrophenol	NA	1.1 U	2.3 U	1.2 U	1.0 U	1.2 U	1.2 U	1.1 U	1.2 U	1.1 U	1.1 U	1.2 U	1.2 U	1.1 U	1.3 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.3 U
2,4-Dinitrotoluene	NA	0.073 U	0.16 U	0.079 U	0.070 U	0.079 U	0.079 U	0.076 U	0.079 U	0.074 U	0.073 U	0.075 U	0.083 U	0.072 U	0.085 U	0.073 U	0.076 U	0.077 U	0.077 U	0.077 U	0.084 U
2,6-Dinitrotoluene	NA	0.073 U	0.16 U	0.079 U	0.070 U	0.079 U	0.079 U	0.076 U	0.079 U	0.074 U	0.073 U	0.075 U	0.083 U	0.072 U	0.085 U	0.073 U	0.076 U	0.077 U	0.077 U	0.077 U	0.084 U
2-Chloronaphthalene	NA	0.36 U	0.77 U	0.39 U	0.35 U	0.39 U	0.39 U	0.38 U	0.39 U	0.36 U	0.36 U	0.37 U	0.41 U	0.36 U	0.42 U	0.36 U	0.38 U	0.38 U	0.38 U	0.38 U	0.41 U
2-Chlorophenol	NA	0.36 U	0.77 U	0.39 U	0.35 U	0.39 U	0.39 U	0.38 U	0.39 U	0.36 U	0.36 U	0.37 U	0.41 U	0.36 U	0.42 U	0.36 U	0.38 U	0.38 U	0.38 U	0.38 U	0.41 U
2-Methylnaphthalene	NA	0.36 U	0.45 J	0.085 J	0.35 U	0.39 U	0.068 J	0.38 U	0.39 U	0.11 J	0.32 J	0.37 U	0.41 U	0.36 U	0.42 U	0.36 U	0.38 U	0.38 U	0.38 U	0.38 U	0.41 U
2-Methylphenol	0.33	0.36 U	0.77 U	0.39 U	0.35 U	0.39 U	0.39 U	0.38 U	0.39 U	0.36 U	0.36 U	0.37 U	0.41 U	0.36 U	0.42 U	0.36 U	0.38 U	0.38 U	0.38 U	0.38 U	0.41 U
2-Nitroaniline	NA	0.73 U	1.6 U	0.79 U	0.70 U	0.79 U	0.79 U	0.76 U	0.79 U	0.74 U	0.73 U	0.75 U	0.83 U	0.72 U	0.85 U	0.73 U	0.76 U	0.77 U	0.77 U	0.77 U	0.84 U
2-Nitrophenol	NA	0.36 U	0.77 U	0.39 U	0.35 U	0.39 U	0.39 U	0.38 U	0.39 U	0.36 U	0.36 U	0.37 U	0.41 U	0.36 U	0.42 U	0.36 U	0.38 U	0.38 U	0.38 U	0.38 U	0.41 U
3,3'-Dichlorobenzidine	NA	0.73 U	1.6 U	0.79 U	0.70 U	0.79 U	0.79 U	0.76 U	0.79 U	0.74 U	0.73 U	0.75 U	0.83 U	0.72 U	0.85 U	0.73 U	0.76 U	0.77 U	0.77 U	0.77 U	0.84 U
3-Nitroaniline	NA	0.73 U	1.6 U	0.79 U	0.70 U	0.79 U	0.79 U	0.76 U	0.79 U	0.74 U	0.73 U	0.75 U	0.83 U	0.72 U	0.85 U	0.73 U	0.76 U	0.77 U	0.77 U	0.77 U	0.84 U
4,6-Dinitro-2-methylphenol	NA	1.1 U	2.3 U	1.2 U	1.0 U	1.2 U	1.2 U	1.1 U	1.2 U	1.1 U	1.1 U	1.2 U	1.2 U	1.1 U	1.3 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.3 U
4-Bromophenyl phenyl ether	NA	0.36 U	0.77 U	0.39 U	0.35 U	0.39 U	0.39 U	0.38 U	0.39 U	0.36 U	0.36 U	0.37 U	0.41 U	0.36 U	0.42 U	0.36 U	0.38 U	0.38 U	0.38 U	0.38 U	0.41 U
4-Chloro-3-methylphenol	NA	0.36 U	0.77 U	0.39 U	0.35 U	0.39 U	0.39 U	0.38 U	0.39 U	0.36 U	0.36 U	0.37 U	0.41 U	0.36 U	0.42 U	0.36 U	0.38 U	0.38 U	0.38 U	0.38 U	0.41 U
4-Chloroaniline	NA	0.36 U	0.77 U	0.39 U	0.35 U	0.39 U	0.39 U	0.38 U	0.39 U	0.36 U	0.36 U	0.37 U	0.41 U	0.36 U	0.42 U	0.36 U	0.38 U	0.38 U	0.38 U	0.38 U	0.41 U
4-Chlorophenyl phenyl ether	NA	0.36 U	0.77 U	0.39 U	0.35 U	0.39 U	0.39 U	0.38 U	0.39 U	0.36 U	0.36 U	0.37 U	0.41 U	0.36 U	0.42 U	0.36 U	0.38 U	0.38 U	0.38 U	0.38 U	0.41 U
4-Methylphenol	0.33	0.36 U	0.77 U	0.39 U	0.35 U	0.39 U	0.39 U	0.38 U	0.39 U	0.36 U	0.36 U	0.37 U	0.41 U	0.36 U	0.42 U	0.36 U	0.38 U	0.38 U	0.38 U	0.38 U	0.41 U
4-Nitroaniline	NA	0.73 U	1.6 U	0.79 U	0.70 U	0.79 U	0.79 U	0.76 U	0.79 U	0.74 U	0.73 U	0.75 U	0.83 U	0.72 U	0.85 U	0.73 U	0.76 U	0.77 U	0.77 U	0.77 U	0.84 U
4-Nitrophenol	NA	1.1 U	2.3 U	1.2 U	1.0 U	1.2 U	1.2 U	1.1 U	1.2 U	1.1 U	1.1 U	1.2 U	1.2 U	1.1 U	1.3 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.3 U
Acenaphthene	20	0.079 J	0.34 J	0.078 J	0.35 U	0.39 U	0.079 J	0.38 U	0.39 U	0.079 J	0.51	0.37 U	0.41 U	0.36 U	0.42 U	0.36 U	0.38 U	0.38 U	0.38 U	0.38 U	0.41 U
Acenaphthylene	100	0.070 J	0.37 J	0.39 U	0.35 U	0.39 U	0.099 J	0.38 U	0.39 U	0.051 J	0.57	0.37 U	0.41 U	0.36 U	0.42 U	0.36 U	0.38 U	0.38 U	0.38 U	0.38 U	0.41 U
Acetophenone	NA	0.36 U	0.77 U	0.39 U	0.35 U	0.39 U	0.39 U	0.38 U	0.39 U	0.36 U	0.36 U	0.37 U	0.41 U	0.36 U	0.42 U	0.36 U	0.38 U	0.38 U	0.38 U	0.38 U	0.41 U
Anthracene	100	0.35 J	1.3	0.24 J	0.072 J	0.40	0.42	0.38 U	0.39 U	0.19 J	1.9	0.12 J	0.14 J	0.36 U	0.42 U	0.36 U	0.38 U	0.38 U	0.38 U	0.38 U	0.41 U
Atrazine	NA	0.36 U	0.77 U	0.39 U	0.35 U	0.39 U	0.39 U	0.38 U	0.39 U	0.36 U	0.36 U	0.37 U	0.41 U	0.36 U	0.42 U	0.36 U	0.38 U	0.38 U	0.38 U	0.38 U	0.41 U
Benzaldehyde	NA	0.36 U	0.77 U	0.39 U	0.35 U	0.39 U	0.39 U	0.38 U	0.39 U	0.36 U	0.36 U	0.37 U	0.41 U	0.36 U	0.42 U	0.36 U	0.38 U	0.38 U	0.38 U	0.38 U	0.41 U
Benzo[a]anthracene	1	2.0	4.7	0.82	0.20	1.3	1.6	0.038 U	0.068	0.38	4.1	0.35	0.56	0.036 U	0.042 U	0.036 U	0.038 U	0.038 U	0.038 U	0.038 U	0.10
Benzo[a]pyrene	1	2.7	5.8	0.80	0.18	0.98	1.6	0.038 U	0.065	0.31	3.5	0.34	0.61	0.036 U	0.042 U	0.036 U	0.038 U	0.038 U	0.038 U	0.038 U	0.093
Benzo[b]fluoranthene	1	2.9	6.1	1.0	0.21	0.96	1.5	0.038 U	0.081	0.33	3.4	0.39	0.53	0.036 U	0.042 U	0.036 U	0.038 U	0.038 U	0.038 U	0.038 U	0.10
Benzo[g,h,i]perylene	100	1.9	5.3	0.59	0.12 J	0.62	1.0	0.38 U	0.042 J	0.18 J	1.3	0.22 J	0.43	0.36 U	0.42 U	0.36 U	0.38 U	0.38 U	0.38 U	0.38 U	0.046 J
Benzo[k]fluoranthene	0.8	1.5	1.9	0.41	0.089	0.57	0.82	0.038 U	0.030 J	0.11	1.8	0.14	0.29	0.036 U	0.042 U	0.036 U	0.038 U	0.038 U	0.038 U	0.038 U	0.056
Bis(2-chloroethoxy)methane	NA	0.36 U	0.77 U	0.39 U	0.35 U	0.39 U	0.39 U	0.38 U	0.39 U	0.36 U	0										

TCL SVOC Soil Analytical Data
SL-33 / 34 Original Sample Locations - Post Excavation Data

		SL-33 / SL-34 Original Sample Locations - Post Excavation Data																							
		Supplemental End Point Soil Samples/Soil Samples																							
		Co-located Bottom and Sidewall Samples																							
	NYSDEC	SL-EP#333	SL-EP#334	SL-EP#336	SL-EP#338	SL-EP#338	SL-EP#339	SL-EP#339	SL-EP#340	SL-EP#340	SL-EP#341	SL-EP#342	SL-EP#342	SL-EP#343	SL-EP#343	SL-EP#344	SL-EP#344	SL-EP#345	SL-EP#345	SL-EP#346	SL-EP#346	SL-EP#347	SL-EP#347		
TCL SVOCs (mg/kg)	Unrestricted SCO	(7)	(7)	(7)	(6)	(4)	(6)	(4)	(6)	(4)	(6)	(4)	(6)	(4)	(6)	(4)	(6)	(4)	(6)	(4)	(6)	(4)	(6)		
1,2,4,5-Tetrachlorobenzene	NA	0.39 U	0.38 U	0.38 U	0.38 U	0.38 U	0.37 U	0.38 U	0.37 U	0.38 U	0.37 U	0.39 U	0.36 U	0.37 U	0.38 U	0.37 U	0.39 U	0.38 U	0.42 U	0.42 U	0.75 U	0.75 U			
1,4-Dioxane	0.1	0.39 U	0.38 U	0.38 U	0.38 U	0.38 U	0.37 U	0.38 U	0.37 U	0.39 U	0.36 U	0.37 U	0.39 U	0.36 U	0.37 U	0.38 U	0.37 U	0.39 U	0.38 U	0.42 U	0.42 U	0.75 U			
2,2'-oxybis[1-chloropropane]	NA	0.39 U	0.38 U	0.38 U	0.38 U	0.38 U	0.37 U	0.38 U	0.37 U	0.39 U	0.36 U	0.37 U	0.39 U	0.36 U	0.37 U	0.38 U	0.37 U	0.39 U	0.38 U	0.42 U	0.42 U	0.75 U			
2,3,4,6-Tetrachlorophenol	NA	0.39 U	0.38 U	0.38 U	0.38 U	0.38 U	0.37 U	0.38 U	0.37 U	0.39 U	0.36 U	0.37 U	0.39 U	0.36 U	0.37 U	0.38 U	0.37 U	0.39 U	0.38 U	0.42 U	0.42 U	0.75 U			
2,4,5-Trichlorophenol	NA	0.39 U	0.38 U	0.38 U	0.38 U	0.38 U	0.37 U	0.38 U	0.37 U	0.39 U	0.36 U	0.37 U	0.39 U	0.36 U	0.37 U	0.38 U	0.37 U	0.39 U	0.38 U	0.42 U	0.42 U	0.75 U			
2,4,6-Trichlorophenol	NA	0.39 U	0.38 U	0.38 U	0.38 U	0.38 U	0.37 U	0.38 U	0.37 U	0.39 U	0.36 U	0.37 U	0.39 U	0.36 U	0.37 U	0.38 U	0.37 U	0.39 U	0.38 U	0.42 U	0.42 U	0.75 U			
2,4-Dichlorophenol	NA	0.39 U	0.38 U	0.38 U	0.38 U	0.38 U	0.37 U	0.38 U	0.37 U	0.39 U	0.36 U	0.37 U	0.39 U	0.36 U	0.37 U	0.38 U	0.37 U	0.39 U	0.38 U	0.42 U	0.42 U	0.75 U			
2,4-Dimethylphenol	NA	0.39 U	0.38 U	0.38 U	0.38 U	0.38 U	0.37 U	0.38 U	0.37 U	0.39 U	0.36 U	0.37 U	0.39 U	0.36 U	0.37 U	0.38 U	0.37 U	0.39 U	0.38 U	0.42 U	0.42 U	0.75 U			
2,4-Dinitrophenol	NA	0.79 U	0.77 U	0.76 U	0.76 U	1.5 U	0.75 U	0.77 U	0.75 U	0.77 U	0.75 U	0.77 U	0.75 U	0.77 U	0.75 U	0.77 U	0.75 U	0.77 U	0.75 U	0.85 U	0.85 U	3.7 U			
2,4-Dinitrotoluene	NA	0.079 U	0.077 U	0.076 U	0.076 U	0.15 U	0.075 U	0.077 U	0.075 U	0.077 U	0.075 U	0.077 U	0.075 U	0.077 U	0.075 U	0.077 U	0.075 U	0.077 U	0.075 U	0.080 U	0.080 U	0.37 U			
2,6-Dinitrotoluene	NA	0.079 U	0.077 U	0.076 U	0.076 U	0.15 U	0.075 U	0.077 U	0.075 U	0.077 U	0.075 U	0.077 U	0.075 U	0.077 U	0.075 U	0.077 U	0.075 U	0.077 U	0.075 U	0.080 U	0.080 U	0.37 U			
2-Chloronaphthalene	NA	0.39 U	0.38 U	0.38 U	0.38 U	0.38 U	0.37 U	0.38 U	0.37 U	0.39 U	0.36 U	0.37 U	0.39 U	0.36 U	0.37 U	0.38 U	0.37 U	0.39 U	0.38 U	0.42 U	0.42 U	0.75 U			
2-Chlorophenol	NA	0.39 U	0.38 U	0.38 U	0.38 U	0.38 U	0.37 U	0.38 U	0.37 U	0.39 U	0.36 U	0.37 U	0.39 U	0.36 U	0.37 U	0.38 U	0.37 U	0.39 U	0.38 U	0.42 U	0.42 U	0.75 U			
2-Methylnaphthalene	NA	0.39 U	0.38 U	0.38 U	0.38 U	0.38 U	0.37 U	0.38 U	0.37 U	0.39 U	0.36 U	0.37 U	0.39 U	0.36 U	0.37 U	0.38 U	0.37 U	0.39 U	0.38 U	0.42 U	0.42 U	0.75 U			
2-Methylphenol	0.33	0.39 U	0.38 U	0.38 U	0.38 U	0.38 U	0.37 U	0.38 U	0.37 U	0.39 U	0.36 U	0.37 U	0.39 U	0.36 U	0.37 U	0.38 U	0.37 U	0.39 U	0.38 U	0.42 U	0.42 U	0.75 U			
2-Nitroaniline	NA	0.39 U	0.38 U	0.38 U	0.38 U	0.38 U	0.37 U	0.38 U	0.37 U	0.39 U	0.36 U	0.37 U	0.39 U	0.36 U	0.37 U	0.38 U	0.37 U	0.39 U	0.38 U	0.42 U	0.42 U	0.75 U			
2-Nitrophenol	NA	0.39 U	0.38 U	0.38 U	0.38 U	0.38 U	0.37 U	0.38 U	0.37 U	0.39 U	0.36 U	0.37 U	0.39 U	0.36 U	0.37 U	0.38 U	0.37 U	0.39 U	0.38 U	0.42 U	0.42 U	0.75 U			
3,3'-Dichlorobenzidine	NA	0.39 U	0.38 U	0.38 U	0.38 U	0.38 U	0.37 U	0.38 U	0.37 U	0.39 U	0.36 U	0.37 U	0.39 U	0.36 U	0.37 U	0.38 U	0.37 U	0.39 U	0.38 U	0.42 U	0.42 U	0.75 U			
3-Nitroaniline	NA	0.39 U	0.38 U	0.38 U	0.38 U	0.38 U	0.37 U	0.38 U	0.37 U	0.39 U	0.36 U	0.37 U	0.39 U	0.36 U	0.37 U	0.38 U	0.37 U	0.39 U	0.38 U	0.42 U	0.42 U	0.75 U			
4,6-Dinitro-2-methylphenol	NA	0.79 U	0.77 U	0.76 U	0.76 U	1.5 U	0.75 U	0.77 U	0.75 U	0.77 U	0.75 U	0.77 U	0.75 U	0.77 U	0.75 U	0.77 U	0.75 U	0.77 U	0.75 U	0.85 U	0.85 U	3.7 U			
4-Bromophenyl phenyl ether	NA	0.39 U	0.38 U	0.38 U	0.38 U	0.38 U	0.37 U	0.38 U	0.37 U	0.39 U	0.36 U	0.37 U	0.39 U	0.36 U	0.37 U	0.38 U	0.37 U	0.39 U	0.38 U	0.42 U	0.42 U	0.75 U			
4-Chloro-3-methylphenol	NA	0.39 U	0.38 U	0.38 U	0.38 U	0.38 U	0.37 U	0.38 U	0.37 U	0.39 U	0.36 U	0.37 U	0.39 U	0.36 U	0.37 U	0.38 U	0.37 U	0.39 U	0.38 U	0.42 U	0.42 U	0.75 U			
4-Chloroaniline	NA	0.39 U	0.38 U	0.38 U	0.38 U	0.38 U	0.37 U	0.38 U	0.37 U	0.39 U	0.36 U	0.37 U	0.39 U	0.36 U	0.37 U	0.38 U	0.37 U	0.39 U	0.38 U	0.42 U	0.42 U	0.75 U			
4-Chlorophenyl phenyl ether	NA	0.39 U	0.38 U	0.38 U	0.38 U	0.38 U	0.37 U	0.38 U	0.37 U	0.39 U	0.36 U	0.37 U	0.39 U	0.36 U	0.37 U	0.38 U	0.37 U	0.39 U	0.38 U	0.42 U	0.42 U	0.75 U			
4-Methylphenol	0.33	0.39 U	0.38 U	0.38 U	0.38 U	0.38 U	0.37 U	0.38 U	0.37 U	0.39 U	0.36 U	0.37 U	0.39 U	0.36 U	0.37 U	0.38 U	0.37 U	0.39 U	0.38 U	0.42 U	0.42 U	0.75 U			
4-Nitroaniline	NA	0.79 U	0.77 U	0.76 U	0.76 U	1.5 U	0.75 U	0.77 U	0.75 U	0.77 U	0.75 U	0.77 U	0.75 U	0.77 U	0.75 U	0.77 U	0.75 U	0.77 U	0.75 U	0.85 U	0.85 U	3.7 U			
4-Nitrophenol	NA	0.39 U	0.38 U	0.38 U	0.38 U	0.38 U	0.37 U	0.38 U	0.37 U	0.39 U	0.36 U	0.37 U	0.39 U	0.36 U	0.37 U	0.38 U	0.37 U	0.39 U	0.38 U	0.42 U	0.42 U	0.75 U			
Acenaphthene	20	0.39 U	0.38 U	0.38 U	0.38 U	0.38 U	0.37 U	0.38 U	0.37 U	0.39 U	0.36 U	0.37 U	0.39 U	0.36 U	0.37 U	0.38 U	0.37 U	0.39 U	0.38 U	0.42 U	0.42 U	0.75 U			
Acenaphthylene	100	0.39 U	0.38 U	0.38 U	0.38 U	0.38 U	0.37 U	0.38 U	0.37 U	0.39 U	0.36 U	0.37 U	0.39 U	0.36 U	0.37 U	0.38 U	0.37 U	0.39 U	0.38 U	0.42 U	0.42 U	0.75 U			
Acetophenone	NA	0.39 U	0.38 U	0.38 U	0.38 U	0.38 U	0.37 U	0.38 U	0.37 U	0.39 U	0.36 U	0.37 U	0.39 U	0.36 U	0.37 U	0.38 U	0.37 U	0.39 U	0.38 U	0.42 U	0.42 U	0.75 U			
Anthracene	100	0.39 U	0.38 U	0.38 U	0.38 U	0.38 U	0.37 U	0.38 U	0.37 U	0.39 U	0.36 U	0.37 U	0.39 U	0.36 U	0.37 U	0.38 U	0.37 U	0.39 U	0.38 U	0.42 U	0.42 U	0.75 U			
Atrazine	NA	0.39 U	0.38 U	0.38 U	0.38 U	0.38 U	0.37 U	0.38 U	0.37 U	0.39 U	0.36 U	0.37 U	0.39 U	0.36 U	0.37 U	0.38 U	0.37 U	0.39 U	0.38 U	0.42 U	0.42 U	0.75 U			
Benzaldehyde	NA	0.39 U	0.38 U	0.38 U	0.38 U	0.38 U	0.37 U	0.38 U	0.37 U	0.39 U	0.36 U	0.37 U	0.39 U	0.36 U	0.37 U	0.38 U	0.37 U	0.39 U	0.38 U	0.42 U	0.42 U	0.75 U			
Benz[a]anthracene	1	0.039 U	0.038 U	0.038 U	0.038 U	0.038 U	0.037 U	0.038 U	0.037 U	0.039 U	0.036 U	0.037 U	0.039 U	0.036 U	0.037 U	0.038 U	0.037 U	0.039 U	0.038 U	0.042 U	0.042 U	0.075 U			
Benz[a]pyrene	1	0.039 U	0.038 U	0.038 U	0.038 U	0.038 U	0.037 U	0.038 U	0.037 U	0.039 U	0.036 U	0.037 U	0.039 U	0.036 U	0.037 U	0.038 U	0.037 U	0.039 U	0.038 U	0.042 U	0.042 U	0.075 U			
Benz[b]fluoranthene	1	0.039 U	0.038 U	0.038 U	0.038 U	0.038 U	0.037 U	0.038 U	0.037 U	0.039 U	0.036 U	0.037 U	0.039 U	0.036 U	0.037 U	0.038 U	0.037 U	0.039 U	0.038 U	0.042 U	0.042 U	0.075 U			
Benz[g,h]perylene	100	0.39 U	0.38 U	0.38 U	0.38 U	0.38 U	0.37 U	0.38 U	0.37 U	0.39 U	0.36 U	0.37 U	0.39 U	0.36 U	0.37 U	0.039 U	0.038 U	0.042 U	0.042 U	0.075 U	0.075 U				
Benz[k]fluoranthene	0.8	0.039 U	0.038 U	0.038 U	0.038 U	0.038 U	0.037 U	0.038 U	0.037 U	0.039 U	0.036 U	0.037 U	0.039 U	0.036 U	0.037 U	0.038 U	0.037 U	0.039 U	0.038 U	0.042 U	0.042 U	0.075 U			
Bis(2-chloroethoxy)methane	NA	0.39 U	0.38 U	0.38 U	0.38 U	0.38 U	0.37 U	0.38 U	0.37 U	0.39 U	0.36 U	0.37 U	0.39 U	0.36 U	0.37 U	0.38 U	0.37 U	0.39 U	0.38 U	0.42 U	0.42 U	0.75 U			
Bis(2-chloroethyl)ether	NA	0.039 U	0.038 U	0.038 U	0.038 U	0.038 U	0.037 U	0.038 U	0.037 U	0.039 U	0.036 U	0.037 U	0.039 U	0.036 U	0.037 U	0.038 U	0.037 U	0.039 U	0.038 U	0.042 U	0.042 U	0.075 U			
Bis(2-ethylhexyl) phthalate	NA	0.39 U	0.38 U	0.38 U	0.38 U	0.38 U	0.37 U	0.38 U	0.37 U	0.39 U	0.36 U	0.37 U	0.39 U	0.36 U	0.37 U	0.38 U	0.37 U	0.39 U	0.38 U	0.42 U	0.42 U	0.75 U			
Butyl benzyl phthalate	NA	0.39 U	0.38 U	0.38 U	0.38 U	0.38 U	0.37 U	0.38 U	0.37 U	0.39 U	0.36 U	0.37 U	0.39 U	0.36 U	0.37 U	0.38 U	0.37 U	0.39 U	0.38 U	0.42 U	0.42 U	0.75 U			
Caprolactam	NA	0.39 U	0.38 U	0.38 U	0.38 U	0.38 U	0.37 U	0.38 U	0.37 U	0.39 U	0.36 U	0.37 U	0.39 U	0.36 U	0.37 U	0.38 U	0.37 U	0.39 U	0.38 U	0.42 U	0.42 U	0.75 U			
Carbazole	NA	0.39 U	0.38 U	0.38 U	0.38 U	0.38 U	0.37 U	0.38 U	0.37 U	0.39 U	0.36 U	0.37 U	0.39 U	0.36 U	0.37 U	0.38 U	0.37 U	0.39 U	0.38 U	0.42 U	0.42 U	0.75 U			
Chrysene	1	0.39 U	0.38 U	0.38 U	0.38 U	0.38 U	0.37 U	0.38 U	0.37 U	0.39 U	0.36 U	0.37 U	0.39 U	0.36 U	0.37 U	0.039 U	0.038 U	0.042 U	0.042 U	0.075 U	0.075 U				
Dibenz(a,h)anthracene	0.33	0.039 U	0.038 U	0.038 U	0.038 U	0.038 U	0.037 U	0.038 U	0.037 U	0.039 U	0.036 U	0.037 U	0.039 U	0.036 U	0.037 U	0.038 U	0.037 U	0.039 U	0.038 U	0.042 U	0.042 U	0.075 U			
Dibenzofuran	7	0.39 U	0.38 U	0.38 U	0.38 U	0.38 U	0.37 U	0.38 U	0.37 U	0.39 U	0.36 U	0.37 U	0.39 U	0.36 U	0.37 U	0.039 U	0.038 U	0.042 U	0.042 U	0.075 U	0.075 U				
Diethyl phthalate	NA	0.39 U	0.38 U	0.38 U	0.38 U	0.38 U	0.37 U	0.38 U	0.37 U	0.39 U	0.36 U	0.37 U	0.39 U	0.36 U	0.37 U	0.039 U	0.038 U	0.042 U	0.042 U	0.075 U	0.075 U				
Dimethyl phthalate	NA	0.39 U	0.38 U	0.38 U	0.38 U	0.38 U	0.37 U	0.38 U	0.37 U	0.39 U	0.36 U	0.37 U	0.39 U	0.36 U	0.37 U	0.039 U	0.038 U	0.042 U	0.042 U	0.075 U	0.075 U				
Di-n-butyl phthalate	NA	0.39 U	0.38 U	0.38 U	0.38 U	0.38 U	0.37 U	0.38 U	0.37 U	0.39 U	0.36 U	0.37 U	0.39 U	0.36 U	0.37 U	0.039 U	0.038 U	0.042 U	0.042 U	0.075 U	0.075 U				
Di-n-octyl phthalate	NA	0.39 U	0.38 U	0.38 U	0.38 U	0.38 U	0.37 U	0.38 U																	

Notes
ND: TIC not detected
J : Indicates an estimated value.
J N : Indicates an estimated value.
U : Analyzed for but not detected.

Table 6-29
TCL SVOC Soil Analytical Data
SL-33 / 34 Original Sample Locations - Post Excavation Data

TCL SVOCs (mg/kg)	NYSDEC SCOs					SL-33 / SL-34 Original Sample Locations - Post Excavation Data													
						Supplemental End Point Soil Samples													
						Co-located Bottom and Sidewall Samples													
	NYSDEC Unrestricted SCO	Residential	Restricted Residential	Commercial	Protection of Groundwater	SL-EP#357 (4')	SL-EP#357 (1')	SL-EP#358 (4')	SL-EP#358 (1')	SL-EP#359 (4')	SL-EP#359 (1')	SL-EP#360 (4')	SL-EP#360 (1')	SL-EP#361 (4')	SL-EP#361 (1')	SL-EP#362 (4')	SL-EP#362 (1')	SL-EP#363 (4')	SL-EP#363 (1')
1,2,4,5-Tetrachlorobenzene	NA	NA	NA	NA	NA	0.39 U	1.5 U	0.75 U	1.9 U	0.38 U	0.70 U	0.38 U	0.73 U	1.8 U	0.70 U	0.36 U	1.8 U	0.34 U	3.6 U
1,4-Dioxane	0.1	9.8	13	130	0.1	0.39 U	1.5 U	0.75 U	1.9 U	0.38 U	0.70 U	0.38 U	0.73 U	1.8 U	0.70 U	0.36 U	1.8 U	0.34 U	3.6 U
2,2'-oxybis[1-chloropropane]	NA	NA	NA	NA	NA	0.39 U	1.5 U	0.75 U	1.9 U	0.38 U	0.70 U	0.38 U	0.73 U	1.8 U	0.70 U	0.36 U	1.8 U	0.34 U	3.6 U
2,3,4,6-Tetrachlorophenol	NA	NA	NA	NA	NA	0.39 U	1.5 U	0.75 U	1.9 U	0.38 U	0.70 U	0.38 U	0.73 U	1.8 U	0.70 U	0.36 U	1.8 U	0.34 U	3.6 U
2,4,5-Trichlorophenol	NA	NA	NA	NA	NA	0.39 U	1.5 U	0.75 U	1.9 U	0.38 U	0.70 U	0.38 U	0.73 U	1.8 U	0.70 U	0.36 U	1.8 U	0.34 U	3.6 U
2,4,6-Trichlorophenol	NA	NA	NA	NA	NA	0.39 U	1.5 U	0.75 U	1.9 U	0.38 U	0.70 U	0.38 U	0.73 U	1.8 U	0.70 U	0.36 U	1.8 U	0.34 U	3.6 U
2,4-Dichlorophenol	NA	NA	NA	NA	NA	0.39 U	1.5 U	0.75 U	1.9 U	0.38 U	0.70 U	0.38 U	0.73 U	1.8 U	0.70 U	0.36 U	1.8 U	0.34 U	3.6 U
2,4-Dimethylphenol	NA	NA	NA	NA	NA	0.39 U	1.5 U	0.75 U	1.9 U	0.38 U	0.70 U	0.38 U	0.73 U	1.8 U	0.70 U	0.36 U	1.8 U	0.34 U	3.6 U
2,4-Dinitrophenol	NA	NA	NA	NA	NA	1.2 U	4.6 U	2.3 U	5.7 U	1.1 U	2.1 U	1.2 U	2.2 U	5.5 U	2.1 U	1.1 U	5.5 U	1.0 U	11 U
2,4-Dinitrotoluene	NA	NA	NA	NA	NA	0.079 U	0.31 U	0.15 U	0.38 U	0.076 U	0.14 U	0.077 U	0.15 U	0.37 U	0.14 U	0.072 U	0.37 U	0.069 U	0.74 U
2,6-Dinitrotoluene	NA	NA	NA	NA	NA	0.079 U	0.31 U	0.15 U	0.38 U	0.076 U	0.14 U	0.077 U	0.15 U	0.37 U	0.14 U	0.072 U	0.37 U	0.069 U	0.74 U
2-Chloronaphthalene	NA	NA	NA	NA	NA	0.39 U	1.5 U	0.75 U	1.9 U	0.38 U	0.70 U	0.38 U	0.73 U	1.8 U	0.70 U	0.36 U	1.8 U	0.34 U	3.6 U
2-Chlorophenol	NA	NA	NA	NA	NA	0.39 U	1.5 U	0.75 U	1.9 U	0.38 U	0.70 U	0.38 U	0.73 U	1.8 U	0.70 U	0.36 U	1.8 U	0.34 U	3.6 U
2-Methylnaphthalene	NA	NA	NA	NA	NA	0.39 U	0.048 J	0.018 J	0.013 J	0.0023 J	0.025 J	0.0043 J	0.0078 J	1.8 U	0.026 J	0.36 U	0.031 J	0.34 U	0.14 J
2-Methylphenol	0.33	100	100	500	0.33	0.39 U	1.5 U	0.75 U	1.9 U	0.38 U	0.70 U	0.38 U	0.73 U	1.8 U	0.70 U	0.36 U	1.8 U	0.34 U	3.6 U
2-Nitroaniline	NA	NA	NA	NA	NA	0.79 U	3.1 U	1.5 U	3.8 U	0.76 U	1.4 U	0.77 U	1.5 U	3.7 U	1.4 U	0.72 U	3.7 U	0.69 U	7.4 U
2-Nitrophenol	NA	NA	NA	NA	NA	0.39 U	1.5 U	0.75 U	1.9 U	0.38 U	0.70 U	0.38 U	0.73 U	1.8 U	0.70 U	0.36 U	1.8 U	0.34 U	3.6 U
3,3'-Dichlorobenzidine	NA	NA	NA	NA	NA	0.79 U	3.1 U	1.5 U	3.8 U	0.76 U	1.4 U	0.77 U	1.5 U	3.7 U	1.4 U	0.72 U	3.7 U	0.69 U	7.4 U
3-Nitroaniline	NA	NA	NA	NA	NA	0.79 U	3.1 U	1.5 U	3.8 U	0.76 U	1.4 U	0.77 U	1.5 U	3.7 U	1.4 U	0.72 U	3.7 U	0.69 U	7.4 U
4,6-Dinitro-2-methylphenol	NA	NA	NA	NA	NA	1.2 U	4.6 U	2.3 U	5.7 U	1.1 U	2.1 U	1.2 U	2.2 U	5.5 U	2.1 U	1.1 U	5.5 U	1.0 U	11 U
4-Bromophenyl phenyl ether	NA	NA	NA	NA	NA	0.39 U	1.5 U	0.75 U	1.9 U	0.38 U	0.70 U	0.38 U	0.73 U	1.8 U	0.70 U	0.36 U	1.8 U	0.34 U	3.6 U
4-Chloro-3-methylphenol	NA	NA	NA	NA	NA	0.39 U	1.5 U	0.75 U	1.9 U	0.38 U	0.70 U	0.38 U	0.73 U	1.8 U	0.70 U	0.36 U	1.8 U	0.34 U	3.6 U
4-Chloroaniline	NA	NA	NA	NA	NA	0.39 U	1.5 U	0.75 U	1.9 U	0.38 U	0.70 U	0.38 U	0.73 U	1.8 U	0.70 U	0.36 U	1.8 U	0.34 U	3.6 U
4-Chlorophenyl phenyl ether	NA	NA	NA	NA	NA	0.39 U	1.5 U	0.75 U	1.9 U	0.38 U	0.70 U	0.38 U	0.73 U	1.8 U	0.70 U	0.36 U	1.8 U	0.34 U	3.6 U
4-Methylphenol	0.33	34	100	500	0.33	0.39 U	1.5 U	0.75 U	1.9 U	0.38 U	0.70 U	0.38 U	0.73 U	1.8 U	0.70 U	0.36 U	1.8 U	0.34 U	3.6 U
4-Nitroaniline	NA	NA	NA	NA	NA	0.79 U	3.1 U	1.5 U	3.8 U	0.76 U	1.4 U	0.77 U	1.5 U	3.7 U	1.4 U	0.72 U	3.7 U	0.69 U	7.4 U
4-Nitrophenol	NA	NA	NA	NA	NA	1.2 U	4.6 U	2.3 U	5.7 U	1.1 U	2.1 U	1.2 U	2.2 U	5.5 U	2.1 U	1.1 U	5.5 U	1.0 U	11 U
Acenaphthene	20	100	100	500	98	0.39 U	0.021 J	0.019 J	0.019 J	0.0024 J	0.043 J	0.0043 J	0.015 J	1.8 U	0.013 J	0.36 U	0.050 J	0.0010 J	0.69 J
Acenaphthylene	100	100	100	500	107	0.39 U	0.021 J	0.047 J	0.073 J	0.011 J	0.12 J	0.014 J	0.098 J	0.021 J	0.096 J	0.36 U	0.28 J	0.0019 J	0.58 J
Acetophenone	NA	NA	NA	NA	NA	0.39 U	1.5 U	0.018 J	1.9 U	0.38 U	0.0071 J	0.38 U	0.73 U	1.8 U	0.70 U	0.36 U	1.8 U	0.34 U	3.6 U
Anthracene	100	100	100	500	1,000	0.39 U	0.040 J	0.075 J	0.085 J	0.013 J	0.19 J	0.022 J	0.14 J	0.019 J	0.11 J	0.36 U	0.31 J	0.0021 J	2.0 J
Atrazine	NA	NA	NA	NA	NA	0.39 U	1.5 U	0.75 U	1.9 U	0.38 U	0.70 U	0.38 U	0.73 U	1.8 U	0.70 U	0.36 U	1.8 U	0.34 U	3.6 U
Benzaldehyde	NA	NA	NA	NA	NA	0.39 U	1.5 U	0.75 U	1.9 U	0.38 U	0.70 U	0.38 U	0.73 U	1.8 U	0.70 U	0.36 U R	1.8 U R	0.34 U R	3.6 U R
Benzo[a]anthracene	1	1	1	5.6	1	0.039 U	0.12 J	0.26	0.23	0.041	0.47	0.057	0.32	0.047 J	0.23	0.036 U	1.2	0.034 U	7.2
Benzo[a]pyrene	1	1	1	1	22	0.039 U	0.15	0.27	0.26	0.042	0.50	0.055	0.24	0.041 J	0.21	0.036 U	1.1	0.0071 J	7.3
Benzo[b]fluoranthene	1	1	1	5.6	1.7	0.0036 U	0.17	0.33	0.27	0.048	0.52	0.058	0.28	0.039	0.20	0.0032 U	0.72	0.0086	5.1
Benzo[g,h,i]perylene	100	100	100	500	1,000	0.39 U	0.16 J	0.27 J	0.35 J	0.042 J	0.54 J	0.058 J	0.24 J	0.046 J	0.24 J	0.36 U	0.92 J	0.011 J	6.7
Benzo[k]fluoranthene	0.8	1	3.9	56	1.7	0.039 U	0.054 J	0.088	0.072 J	0.011 J	0.17	0.017 J	0.066 J	0.018 J	0.075	0.036 U	0.85	0.0043 J	5.6
Bis(2-chloroethoxy)methane	NA	NA	NA	NA	NA	0.39 U	1.5 U	0.75 U	1.9 U	0.38 U	0.70 U	0.38 U	0.73 U	1.8 U	0.70 U	0.36 U	1.8 U	0.34 U	3.6 U
Bis(2-chloroethyl)ether	NA	NA	NA	NA	NA	0.039 U	0.15 U	0.075 U	0.19 U	0.038 U	0.070 U	0.038 U	0.073 U	0.18 U	0.070 U	0.036 U	0.18 U	0.034 U	0.36 U
Bis(2-ethylhexyl) phthalate	NA	NA	NA	NA	NA	0.39 U	0.097 J	0.034 J	1.9 U	0.011 J	0.052 J	0.024 J	0.73 U	1.8 U	0.70 U	0.36 U	1.8 U	0.34 U	3.6 U
Butyl benzyl phthalate	NA	NA	NA	NA	NA	0.39 U	1.5 U	0.010 J	0.028 J	0.023 J	0.052 J	0.38 U	0.014 J	1.8 U	0.017 J	0.0078 J	1.8 U	0.34 U	3.6 U
Caprolactam	NA	NA	NA	NA	NA	0.39 U	1.5 U	0.75 U	1.9 U	0.38 U	0.70 U	0.38 U	0.73 U	1.8 U	0.70 U	0.36 U	1.8 U	0.34 U	3.6 U
Carbazole	NA	NA	NA	NA	NA	0.39 U	0.016 J	0.018 J	0.023 J	0.0025 J	0.036 J	0.0042 J	0.020 J	1.8 U	0.0098 J	0.36 U	0.037 J	0.34 U	0.72 J
Chrysene	1	1	3.9	56	1	0.39 U	0.15 J	0.29 J	0.26 J	0.046 J	0.49 J	0.061 J	0.35 J	0.048 J	0.25 J	0.36 U	1.3 J	0.34 U	7.6

Table 6-29
TCL SVOC Soil Analytical Data
SL-33 / 34 Original Sample Locations - Post Excavation Data

TCL SVOCs (mg/kg)	NYSDEC SCOs					SL-33 / SL-34 Original Sample Locations - Post Excavation Data																					
						Supplemental End Point Soil Samples										Supplemental Co-located Bottom and Sidewall Samples											
						Unrestricted SCO					Residential					Restricted Residential					Commercial					Protection of Groundwater	
	SL-EP#364	SL-EP#364	SL-EP#364	SL-EP#365	SL-EP#365	SL-EP#365	SL-EP#366	SL-EP#366	SL-EP#366	SL-EP#366	SL-EP#367	SL-EP#368	SL-EP#369	SL-EP#370	SL-EP#371	SL-EP#372	SL-EP#373	SL-EP#374	SL-EP#374	SL-EP#375	SL-EP#375	SL-EP#376					
1,2,4,5-Tetrachlorobenzene	NA	NA	NA	NA	NA	0.40 U	3.6 U	7.2 U	3.7 U	3.6 U	7.2 U	3.8 U	3.6 U	7.2 U	3.7 U	0.45 U	2.1 U	0.40 U	1.8 U	0.36 U	0.38 U	1.9 U	3.6 U	3.9 U	9.4 U	3.8 U	
1,4-Dioxane	0.1	9.8	13	130	0.1	0.40 U	3.6 U	7.2 U	3.7 U	3.6 U	7.2 U	3.8 U	3.6 U	7.2 U	3.7 U	0.45 U	2.1 U	0.40 U	1.8 U	0.36 U	0.38 U	1.9 U	3.6 U	3.9 U	9.4 U	3.8 U	
2,2'-oxybis[1-chloropropane]	NA	NA	NA	NA	NA	0.40 U	3.6 U	7.2 U	3.7 U	3.6 U	7.2 U	3.8 U	3.6 U	7.2 U	3.7 U	0.45 U	2.1 U	0.40 U	1.8 U	0.36 U	0.38 U	1.9 U	3.6 U	3.9 U	9.4 U	3.8 U	
2,3,4,6-Tetrachlorophenol	NA	NA	NA	NA	NA	0.40 U	3.6 U	7.2 U	3.7 U	3.6 U	7.2 U	3.8 U	3.6 U	7.2 U	3.7 U	0.45 U	2.1 U	0.40 U	1.8 U	0.36 U	0.38 U	1.9 U	3.6 U	3.9 U	9.4 U	3.8 U	
2,4,5-Trichlorophenol	NA	NA	NA	NA	NA	0.40 U	3.6 U	7.2 U	3.7 U	3.6 U	7.2 U	3.8 U	3.6 U	7.2 U	3.7 U	0.45 U	2.1 U	0.40 U	1.8 U	0.36 U	0.38 U	1.9 U	3.6 U	3.9 U	9.4 U	3.8 U	
2,4,6-Trichlorophenol	NA	NA	NA	NA	NA	0.40 U	3.6 U	7.2 U	3.7 U	3.6 U	7.2 U	3.8 U	3.6 U	7.2 U	3.7 U	0.45 U	2.1 U	0.40 U	1.8 U	0.36 U	0.38 U	1.9 U	3.6 U	3.9 U	9.4 U	3.8 U	
2,4-Dichlorophenol	NA	NA	NA	NA	NA	0.40 U	3.6 U	7.2 U	3.7 U	3.6 U	7.2 U	3.8 U	3.6 U	7.2 U	3.7 U	0.45 U	2.1 U	0.40 U	1.8 U	0.36 U	0.38 U	1.9 U	3.6 U	3.9 U	9.4 U	3.8 U	
2,4-Dimethylphenol	NA	NA	NA	NA	NA	0.40 U	3.6 U	7.2 U	3.7 U	3.6 U	7.2 U	3.8 U	3.6 U	7.2 U	3.7 U	0.45 U	2.1 U	0.40 U	1.8 U	0.36 U	0.38 U	1.9 U	3.6 U	3.9 U	9.4 U	3.8 U	
2,4-Dinitrophenol	NA	NA	NA	NA	NA	1.2 U	11 U	22 U	11 U	11 U	220 U	12 U	11 U	22 U	11 U	1.4 U	6.2 U	1.2 U	5.4 U	1.1 U	1.2 U	1.1 U	5.8 U	11 U	12 U	29 U	11 U
2,4-Dinitrotoluene	NA	NA	NA	NA	NA	0.082 U	0.73 U	1.5 U	0.74 U	0.73 U	15 U	0.77 U	0.73 U	15 U	0.77 U	0.091 U	0.42 U	0.082 U	0.36 U	0.073 U	0.078 U	0.077 U	0.39 U	0.74 U	0.78 U	1.9 U	0.77 U
2,6-Dinitrotoluene	NA	NA	NA	NA	NA	0.082 U	0.73 U	1.5 U	0.74 U	0.73 U	15 U	0.77 U	0.73 U	15 U	0.77 U	0.091 U	0.42 U	0.082 U	0.36 U	0.073 U	0.078 U	0.077 U	0.39 U	0.74 U	0.78 U	1.9 U	0.77 U
2-Chloronaphthalene	NA	NA	NA	NA	NA	0.40 U	3.6 U	7.2 U	3.7 U	3.6 U	7.2 U	3.8 U	3.6 U	7.2 U	3.7 U	0.45 U	2.1 U	0.40 U	1.8 U	0.36 U	0.38 U	1.9 U	3.6 U	3.9 U	9.4 U	3.8 U	
2-Chlorophenol	NA	NA	NA	NA	NA	0.40 U	3.6 U	7.2 U	3.7 U	3.6 U	7.2 U	3.8 U	3.6 U	7.2 U	3.7 U	0.45 U	2.1 U	0.40 U	1.8 U	0.36 U	0.38 U	1.9 U	3.6 U	3.9 U	9.4 U	3.8 U	
2-Methylnaphthalene	NA	NA	NA	NA	NA	0.010 J	0.23 J	0.29 J	0.21 J	1.2 J	1.7 J	0.15 J	0.82 J	0.86 J	0.45 U	0.042 J	0.0059 J	0.031 J	0.36 U	0.38 U	0.38 U	0.15 J	0.28 J	0.047 J	3.9 J	3.1 J	
2-Methylphenol	0.33	100	100	500	0.33	0.40 U	3.6 U	7.2 U	3.7 U	3.6 U	7.2 U	3.8 U	3.6 U	7.2 U	3.7 U	0.45 U	2.1 U	0.40 U	1.8 U	0.36 U	0.38 U	1.9 U	3.6 U	3.9 U	9.4 U	3.8 U	
2-Nitroaniline	NA	NA	NA	NA	NA	0.82 U	7.3 U	15 U	7.4 U	7.3 U	150 U	7.7 U	7.3 U	15 U	7.7 U	0.91 U	4.2 U	0.82 U	3.6 U	0.73 U	0.78 U	0.77 U	3.9 U	7.4 U	7.8 U	19 U	7.7 U
2-Nitrophenol	NA	NA	NA	NA	NA	0.40 U	3.6 U	7.2 U	3.7 U	3.6 U	7.2 U	3.8 U	3.6 U	7.2 U	3.7 U	0.45 U	2.1 U	0.40 U	1.8 U	0.36 U	0.38 U	1.9 U	3.6 U	3.9 U	9.4 U	3.8 U	
3,3'-Dichlorobenzidine	NA	NA	NA	NA	NA	0.82 U	7.3 U	15 U	7.4 U	7.3 U	150 U	7.7 U	7.3 U	15 U	7.7 U	0.91 U	4.2 U	0.82 U	3.6 U	0.73 U	0.78 U	0.77 U *	3.9 U	7.4 U	7.8 U	19 U	7.7 U
3-Nitroaniline	NA	NA	NA	NA	NA	0.82 U	7.3 U	15 U	7.4 U	7.3 U	150 U	7.7 U	7.3 U	15 U	7.7 U	0.91 U	4.2 U	0.82 U	3.6 U	0.73 U	0.78 U	0.77 U	3.9 U	7.4 U	7.8 U	19 U	7.7 U
4,6-Dinitro-2-methylphenol	NA	NA	NA	NA	NA	1.2 U	11 U	22 U	11 U	11 U	220 U	12 U	11 U	22 U	11 U	1.4 U	6.2 U	1.2 U	5.4 U	1.1 U	1.2 U	1.1 U *	5.8 U	11 U	12 U	29 U	11 U
4-Bromophenyl phenyl ether	NA	NA	NA	NA	NA	0.40 U	3.6 U	7.2 U	3.7 U	3.6 U	7.2 U	3.8 U	3.6 U	7.2 U	3.7 U	0.45 U	2.1 U	0.40 U	1.8 U	0.36 U	0.38 U	1.9 U	3.6 U	3.9 U	9.4 U	3.8 U	
4-Chloro-3-methylphenol	NA	NA	NA	NA	NA	0.40 U	3.6 U	7.2 U	3.7 U	3.6 U	7.2 U	3.8 U	3.6 U	7.2 U	3.7 U	0.45 U	2.1 U	0.40 U	1.8 U	0.36 U	0.38 U	1.9 U	3.6 U	3.9 U	9.4 U	3.8 U	
4-Chloroaniline	NA	NA	NA	NA	NA	0.40 U	3.6 U	7.2 U	3.7 U	3.6 U	7.2 U	3.8 U	3.6 U	7.2 U	3.7 U	0.45 U	2.1 U	0.40 U	1.8 U	0.36 U	0.38 U	1.9 U	3.6 U	3.9 U	9.4 U	3.8 U	
4-Chlorophenyl phenyl ether	NA	NA	NA	NA	NA	0.40 U	3.6 U	7.2 U	3.7 U	3.6 U	7.2 U	3.8 U	3.6 U	7.2 U	3.7 U	0.45 U	2.1 U	0.40 U	1.8 U	0.36 U	0.38 U	1.9 U	3.6 U	3.9 U	9.4 U	3.8 U	
4-Methylphenol	0.33	34	100	500	0.33	0.40 U	3.6 U	7.2 U	3.7 U	3.6 U	7.2 U	3.8 U	3.6 U	7.2 U	3.7 U	0.45 U	2.1 U	0.40 U	1.8 U	0.36 U	0.38 U	1.9 U	3.6 U	3.9 U	9.4 U	3.8 U	
4-Nitroaniline	NA	NA	NA	NA	NA	0.82 U	7.3 U	15 U	7.4 U	7.3 U	150 U	7.7 U	7.3 U	15 U	7.7 U	0.91 U	4.2 U	0.82 U	3.6 U	0.73 U	0.78 U	0.77 U	3.9 U	7.4 U	7.8 U	19 U	7.7 U
4-Nitrophenol	NA	NA	NA	NA	NA	1.2 U	11 U	22 U	11 U	11 U	220 U	12 U	11 U	22 U	11 U	1.4 U	6.2 U	1.2 U	5.4 U	1.1 U	1.2 U	1.1 U	5.8 U	11 U	12 U	29 U	11 U
Acenaphthene	20	100	100	500	98	0.0044 J	0.36 J	0.38 J	0.20 J	3.4 J	4.7 J	0.20 J	1.0 J	1.2 J	0.0023 J	0.039 J	0.0043 J	0.027 J	0.36 U	0.38 U	0.38 U	0.10 J	0.23 J	0.055 J	1.6 J	1.2 J	
Acenaphthylene	100	100	100	500	107	0.013 J	1.6 J	1.6 J	0.39 J	1.6 J	2.2 J	0.27 J	2.8 J	2.8 J	0.0046 J	0.11 J	0.017 J	0.14 J	0.36 U	0.0073 J	0.38 U	0.22 J	2.5 J	0.74 J	1.7 J	0.96 J	
Acetophenone	NA	NA	NA	NA	NA	0.0038 J	3.6 U	7.2 U	3.7 U	3.6 U	7.2 U	3.8 U	3.6 U	7.2 U	3.7 U	0.45 U	2.1 U	0.40 U	1.8 U	0.36 U	0.0037 J	0.38 U	1.9 U	3.6 U	3.9 U	9.4 U	3.8 U
Anthracene	100	100	100	500	1,000	0.020 J	1.5 J	1.7 J	0.70 J	7.2 J	11 J	0.66 J	4.3 J	4.2 J	0.0041 J	0.13 J	0.021 J	0.14 J	0.36 U	0.0069 J	0.38 U *	0.35 J	2.5 J	0.76 J	3.4 J	2.3 J	
Atrazine	NA	NA	NA	NA	NA	0.40 U	3.6 U	7.2 U	3.7 U	3.6 U	7.2 U	3.8 U	3.6 U	7.2 U	3.7 U	0.45 U	2.1 U	0.40 U	1.8 U	0.36 U	0.38 U	1.9 U	3.6 U	3.9 U	9.4 U	3.8 U	
Benzaldehyde	NA	NA	NA	NA	NA	0.40 U R	3.6 U R	7.2 U R	3.7 U R	3.6 U R	7.2 U R	3.8 U R	3.6 U R	7.2 U R	3.7 U R	0.45 U R	2.1 U R	0.40 U R	1.8 U R	0.36 U R	0.38 U R	1.9 U R	3.6 U R	3.9 U	9.4 U	3.8 U	
Benzo[a]anthracene	1	1	1	5.6	1	0.054	5.4	6.1	2.7	28 D	28	2.2	9.2	9.0	0.014 J	0.42	0.058	0.33	0.036 U	0.026 J	0.038 U *	0.82	7.1	2.0	5.0	2.9	
Benzo[a]pyrene	1	1	1	1	22	0.058	5.1 *	6.3	2.8	24 D	24	2.0	6.1 *	7.4	0.045 U	0.40	0.071	0.31	0.036 U	0.024 J	0.038 U *	0.74	6.9	1.9	3.8	2.3	
Benzo[b]fluoranthene	1	1	1	5.6	1.7	0.063	3.8 *	7.8	2.6	13 *	23	1.6	3.0 *	6.5	0.012	0.35	0.066	0.28	0.0033 U	0.016	0.0034 U *	0.70	5.7	2.2	3.1	2.3	
Benzo[g,h,i]perylene	100	100	100	500	1,000	0.061 J	4.6 *	5.9 J	2.6 J	10 *	20 J	1.5 J	3.5 J *	6.7 J	0.45 U	0.28 J	0.050 J	0.22 J	0.36 U	0.022 J	0.38 U *	0.67 J	5.4	1.8 J	2.5 J	1.7 J	
Benzo[k]fluoranthene	0.8	1	3.9	56	1.7	0.022 J	5.4 *	2.8	1.9	7.0 *	8.7	1.1	4.3 *	2.9	0.0055 J	0.17 J	0.031 J	0.11 J	0.036 U	0.018 J	0.038 U *	0.27					

Table 6-30
TAL Metals Soil Analytical Data
SL-33 / SL-34 Original Sample Locations - Post Excavation Data

TAL Metals (mg/kg)	NYSDEC Unrestricted SCO	SL-33 / SL-34 Original Sample Locations - Post Excavation Data																
		End Pont Soil Samples																
		Side-wall Samples									Bottom Samples							
		SL-EP#137	SL-EP#138	SL-EP#139	SL-EP#140	SL-EP#141	SL-EP#142	SL-EP#143	SL-EP#144	SL-EP#145	SL-EP#146	SL-EP#147	SL-EP#148	SL-EP#149	SL-EP#150	SL-EP#151	SL-EP#152	SL-EP#153
(1')	(1')	(1')	(1')	(1')	(1')	(1')	(1')	(1')	(3')	(3')	(3')	(3')	(3')	(3')	(3')	(3')	(3')	
Aluminum	NA	2,540	5,850	7,530	5,400	5,690	6,130	6,990	5,760	10,200	10,700	9,000	8,230	7,120	3,810	6,490	8,660	4,940
Antimony	NA	3.6 U	4.5 U	3.7 U	4.0 U	4.1 U	4.2 U	4.0 U	3.7 U	4.3 U	4.1 U	3.4 U	4.1 U	4.4 U	3.9 U	4.3 U	4.2 U	4.0 U
Arsenic	13	1.8 J	4.0	2.9	1.5 J	2.2 J	4.0	1.9 J	3.1	4.0	1.8 J	0.62 J	3.1 U	1.8 J	2.9 U	1.6 J	1.8 J	0.72 J
Barium	350	41.7	1,750	73.7	657	46.3	38.1 J	76.0	311	58.9	63.0	26.4 J	28.0 J	60.3	18.7 J	84.3	88.9	35.7 J
Beryllium	7.2	0.17 J	0.29 J	0.36 J	0.43	0.35 J	0.21 J	0.29 J	0.27 J	0.32 J	0.37 J	0.21 J	0.18 J	0.29 J	0.17 J	0.26 J	0.44	0.23 J
Cadmium	2.5	0.20 J	0.73 J	0.84 U	0.60 J	0.82 U	0.84 U	0.36 J	0.43 J	0.85 U	0.33 J	0.69 U	0.82 U	0.88 U	0.78 U	0.85 U	0.84 U	0.80 U
Calcium	NA	1,050	5,250	1,840	1,260	1,070	2,910	1,480	983	1,690	1,390	467 J	932 J	1,310	502 J	1,580	1,730	912 J
Chromium ¹	30	7.3	16.8	17.9	8.3	15.0	10.5	11.6	12.5	17.3	17.6	14.5	19.1	13.2	9.1	14.1	14.7	9.8
Cobalt	NA	4.1 J	3.5 J	4.6 J	4.2 J	6.4 J	2.7 J	3.2 J	4.7 J	4.7 J	5.5 J	2.5 J	3.6 J	3.8 J	2.5 J	3.2 J	3.3 J	3.3 J
Copper	50	20.6	130	59.0	112	12.2	14.9	222	14.6	15.2	14.7	4.4	6.2	19.9	4.7 J	48.7	6.6	28.2
Iron	NA	6,480	12,800	14,500	10,700	12,400	9,180	10,100	9,610	14,500	18,700	12,100	12,200	10,500	6,390	21,400	8,910	8,100
Lead	63	53.8	393	87.2	215	730	73.9	132	268	88.5	118	25.8	19.0	75.3	2.7	631	18.0	65.2
Magnesium	NA	520 J	2,760	1,570	540 J	1,420	1,240	1,270	1,110	2,270	2,210	1,790	2,660	1,710	1,190	1,400	1,490	1,090
Manganese	1,600	123	294	562	135	251	137	155	95.9	125	278	57.0	102	127	101	146	176	162
Nickel	30	10.2	8.3 J	9.3	17.0	12.5	6.4 J	8.0	9.8	10.3	11.1	6.9	9.6	9.5	7.2 J	8.6	8.6	7.0 J
Potassium	NA	394 J	425 J	628 J	358 J	921 J	380 J	422 J	368 J	745 J	699 J	284 J	500 J	533 J	467 J	496 J	384 J	385 J
Selenium	3.9	3.6 U	4.5 U	3.7 U	4.0 U	4.1 U	4.2 U	4.0 U	3.7 U	4.3 U	4.1 U	3.4 U	4.1 U	4.4 U	3.9 U	4.3 U	4.2 U	4.0 U
Silver	2	1.8 U	156	8.2	70.9	0.73 J	290	19.9	41.7	25.7	47.9	0.32 J	2.8	26.0	1.9 U	38.5	2.1 U	0.47 J
Sodium	NA	889 U	176 J	164 J	185 J	1,020 U	1,050 U	104 J	930 U	135 J	88.1 J	101 J	125 J	1100 U	973 U	1,060 U	1,050 U	1,000 U
Thallium	NA	3.6 U	4.5 U	3.7 U	4.0 U	4.1 U	3.7 U	4.0 U	3.7 U	4.3 U	4.1 U	3.4 U	4.1 U	4.4 U	3.9 U	4.3 U	4.2 U	4.0 U
Vanadium	NA	13.0	14.6	17.0	11.0	18.6	13.3	13.1	14.6	22.8	19.5	20.0	15.0	8.8 J	15.4	13.8	13.1	
Zinc	109	52.5	240	90.4	341	55.4	44.6	218	264	94.0	200	27.5	31.4	75.6	10.5	137	26.1	47.7
Mercury	0.18	0.037	2.6	0.72	0.65	0.035	0.079	0.48	0.16	0.058	0.16	0.025	0.020 U	0.12	0.022	0.79	0.051	0.11

Notes
J : Sample result is greater than the MDL but below the CRDL
U : Indicates analyzed for but not detected.
¹ Trivalent chromium SCOs utilized.
Highlighted / bolded indicates analyte exceeded above its respective NYSDEC Commercial SCO.
Green / italicized value indicates analyte exceeded its respective unrestricted SCO but was below its respective Residential / Protection of GW SCO, whichever is lower.

Table 6-30
TAL Metals Soil Analytical Data
SL-33 / SL-34 Original Sample Locations - Post Excavation Data

TAL Metals (mg/kg)	NYSDEC SCOs				SL-33 / SL-34 Original Sample Locations - Post Excavation Data																			
					Supplemental End Post Soil Samples																			
					Side-wall Samples										Bottom Samples									
	NYSDEC Unrestricted SCO	Residential	Restricted Residential	Protection of Groundwater	SL-EP#241	SL-EP#242	SL-EP#243	SL-EP#244	SL-EP#245	SL-EP#246	SL-EP#251	SL-EP#252	SL-EP#253	SL-EP#254	SL-EP#255	SL-EP#256	SL-EP#237	SL-EP#238	SL-EP#239	SL-EP#240	SL-EP#247	SL-EP#248	SL-EP#249	SL-EP#250
(#)	(#)	(#)	(#)	(#)	(#)	(#)	(#)	(#)	(#)	(#)	(#)	(#)	(#)	(#)	(#)	(#)	(#)	(#)	(#)	(#)	(#)	(#)	(#)	(#)
Aluminum	NA	NA	NA	NA	4,420	7,380	9,540	2,130	9,110	11,900	7,610	3,250	9,850	6,450	5,360	13,700	4,340	6,410	5,660	6,040	9,410	7,170	16,400	10,900
Antimony	NA	NA	NA	NA	4.0 U	4.4 U	4.2 U	4.0 U	4.2 U	4.6 U	4.5 U	4.2 U	4.2 U	0.56 U	4.2 U	4.6 U	4.2 U	4.7 U	4.0 U	4.0 U	3.9 U	4.4 U	4.5 U	4.8 U
Arsenic	13	16	16	16	3.0 J	2.8 J	3.0 J	2.3 J	3.5	3.7	3.7	1.1 J	3.6	3.7	3.0 J	5.4	2.0 J	3.7	2.3 J	3.0 J	2.1 J	6.2	4.7	3.0 J
Barium	350	350	400	820	36.9 J	68	68	117	20.2 J	35.3 J	37.7 J	22.6 J	50.1	46.4	30.3 J	65.2	15.6 J	15.3 J	39.7 J	18.0 J	28.1 J	28.4 J	41.7 J	37.0 J
Beryllium	7.2	14	72	47	0.23 J	0.48	0.44	0.14	0.44	0.48	0.32 J	0.16 J	0.38 J	0.29 J	0.22 J	0.52	0.26 J	0.13 J	0.29 J	0.31 J	0.40	0.12 J	0.67	0.38 J
Cadmium	2.5	2.5	4.3	7.5	0.16 J	0.88 U	0.58 J	0.83 U	0.92 U	0.84 U	0.81 U	0.85 U	0.18 J	0.84 U	0.91 U	0.85 U	0.94 U	0.81 U	0.79 U	0.78 U	0.88 U	0.90 U	0.97 U	
Calcium	NA	NA	NA	NA	3,290	1,670	6,650	349 J	1,310	2,440	1,090 J	14,500	1,650	1,630	1,460	2,210	556 J	527 J	576 J	796 J	894 J	283 J	1,360	1,310
Chromium ¹	30	36	180	NS	10.6	14.5	16.0	4.5	13.5	22.2	11.8	4.4	16.4	11.5	9.5	23.1	9.0	13.7	8.7	11.0	19.8	13.7	32.9	22.2
Cobalt	NA	NA	NA	NA	3.4 J	3.9 J	4.1 J	1.4 J	3.8 J	7.5 J	3.1 J	1.6 J	4.3 J	3.3 J	2.5 J	6.1 J	2.7 J	1.6 J	2.6 J	2.9 J	2.6 J	1.5 J	6.7 J	3.9 J
Copper	50	270	270	1,720	42.0	33.0	49.3	10.7	9.9	23.0	26.6	4.3 J	17.2	15.6	12.9	20.0	5.9	8.8	15.6	4.5 J	9.1	8.6	4.8 J	21.2
Iron	NA	NA	NA	NA	9,140	9,630	11,400	5,740	10,300	20,300	10,800	4,160	13,900	16,600	7,380	16,900	7,710	13,200	7,970	8,000	21,900	7,380	33,400	18,700
Lead	63	400	400	450	181	58.1	128	10.8	15.8	62.0	38.9	3.7	13.9	16.6	7.38	16.9	3.1	29.3	5.5	6.0	10.8	14.4	9.8	25.4
Magnesium	NA	NA	NA	NA	1,460	1,680	2,060	691 J	1,070	3,119	1,400	884 J	2,250	1,460	3,100	1,200	961 J	1,230	883 J	1,570	2,270	1,170	4,210	2,940
Manganese	1,600	2,000	2,000	2,000	184	137	340	57.0	120	236	142	54.1	133	117	140	140	176	36.2	71.1	67.6	64.5	34.8	109	109
Nickel	30	140	310	130	7.7 J	8.9	10.1	2.9 J	8.2 J	13.4	7.0 J	6.7 J	10.3	5.9 J	14.4	14.4	6.2 J	4.9 J	5.4 J	6.1 J	8.0	4.8 J	14.8	10.9
Potassium	NA	NA	NA	NA	585 J	587 J	587 J	265 J	452 J	1,570	859 J	656 J	854 J	507 J	384 J	1,150	450 J	347 J	330 J	546 J	766 J	652 J	1,760	1,130 J
Selenium	3.9	36	180	4	4.0 U	4.4 U	4.2 U	4.0 U	4.2 U	4.6 U	4.5 U	4.2 U	4.2 U	3.9 U	4.2 U	4.6 U	4.2 U	4.7 U	4.0 U	3.9 U	3.9 U	4.4 U	4.5 U	4.8 U
Silver	2	36	180	8.3	5.9	9.0	39.1	2.6	1.9 J	24.4	7.9	202	107	126	193	13.8	2.1 U	45.8	2.0 U	1.2 J	191	145	2.7	5.0
Sodium	NA	NA	NA	NA	1,010 U	191 J	191 J	1010 U	1,040 U	1,150 U	120 J	234 J	131 J	1,050 U	100 J	1,060 U	1,060 U	1,170 U	1,010 U	985 U	113 J	134 J	167 J	1210 U
Thallium	NA	NA	NA	NA	4.0 U	4.4 U	4.2 U	4.0 U	4.2 U	4.6 U	4.5 U	4.2 U	4.2 U	3.9 U	4.2 U	4.6 U	4.2 U	4.7 U	4.0 U	3.9 U	3.9 U	4.4 U	4.5 U	4.8 U
Vanadium	NA	NA	NA	NA	11.8	15.1	16.8	5.2 J	16.4	29.5	15.6	5.8 J	21.4	15.0	12.6	32.1	10.2 J	23.0	12.2	15.0	34.7	16.9	45.4	27.7
Zinc	109	2,200	10,000	2,480	66.1	51.3	190	216	24.4	149	31.6	35.4	122	129	48.5	111	11.1	39.5	12.8	21.0	115	41.3	42.5	42.2
Mercury	0.18	0.81	0.81	0.73	0.49	0.31	0.30	0.042	0.053	0.24	0.072	0.13	0.11	0.051	0.12	0.11	0.018 U	0.020 U	0.017 U	0.019 U	0.020 U	0.023	0.019 U	0.022

TAL Metals (mg/kg)	NYSDEC SCOs				SL-33 / SL-34 Original Sample Locations - Post Excavation Data									
					Supplemental End Post Soil Samples									
					Co-located Bottom and Sidewall Samples									
	NYSDEC Unrestricted SCO	Residential	Restricted Residential	Protection of Groundwater	SL-EP#332	SL-EP#333	SL-EP#334	SL-EP#335	SL-EP#336	SL-EP#337	SL-EP#338	SL-EP#338	SL-EP#339	SL-EP#339
Aluminum	NA	NA	NA	NA	(7)	(7)	(7)	(7)	(7)	(7)	(8)	(8)	(8)	(8)
Antimony	NA	NA	NA	NA	12.500	8.790	6.720	9.770	4.660	2.390	4.700	6.150	3.160	11.900
Arsenic	13	16	16	16	4.3 U	4.3 U	4.4 U	4.6 U	4.1 U	4.4 U	4.0 U	4.1 U	4.0 U	4.1 U
Barium	350	350	400	820	9.1	1.6 J	3.0 J	1.3 J	1.6 J	3.3 U	0.93 J	3.8	3.0 U	2.8 J
Beryllium	7.2	14	72	47	74.1	40.9 J	35.4 J	37.1 J	12.7 J	14.8 J	24.6 J	60.5	10.2 J	51.2
Cadmium	2.5	2.5	4.3	7.5	0.85	0.30 J	0.33 J	0.46 U	0.44 U	0.40 U	0.40 U	0.28 J	0.40 U	0.41 U
Calcium	NA	NA	NA	NA	0.85 U	0.86 U	0.88 U	1.0	0.81 U	0.87 U	0.80 U	0.82 U	0.80 U	0.83 U
Chromium ³	30	36	180	NS	1,090	914 J	724 J	953 J	421 J	125 J	914 J	1,560	109 J	7,480
Cobalt	NA	NA	NA	NA	24.0	16.8	16.1	13.1	10.0	7.7	7.4	13.4	19.2	19.2
Copper	50	270	270	1,720	9.6 J	2.1 J	3.3 J	3.9 J	10.9 U	2.0 J	6.4 J	10.1 J	24.6 J	24.6 J
Iron	NA	NA	NA	NA	17.1	9.1	10.1	20.0	5.8	1.9 J	4.9 J	13.7	4.3 J	19.4
Lead	63	400	400	450	23,300	8,670	11,300	9,000	5,890	2,940	6,450	14,100	4,980	16,900
Magnesium	NA	NA	NA	NA	9.2	9.8	7.2	10.1	5.3	5.8	43.6	38.7	6.6	46.3
Manganese	1,600	2,000	2,000	2,000	3,330	1,330	1,630	2,670	1,180	467 J	900 J	1,670	619 J	2,810
Nickel	30	140	310	130	110	42.3	73.3	90.6	14.1	95.9	721	22.8	121	121
Potassium	NA	NA	NA	NA	15.7	7.2 J	8.2 J	11.2	5.4 J	2.0 J	4.5 J	9.8	3.1 J	27.9
Selenium	3.9	36	180	4	1,530	605 J	518 J	880 J	410 J	242 J	318 J	513 J	257 J	881 J
Silver	2	36	180	8.3	4.3 U	4.3 U	4.4 U	4.6 U	4.1 U	4.4 U	4.0 U	4.1 U	4.0 U	4.1 U
Sodium	NA	NA	NA	NA	2.1 U	1.1 J	2.2 U	66.1	0.60 J	39.4	2.0 U	14.1	181	241
Thallium	NA	NA	NA	NA	92.0 J	1,080 U	87.8 J	1,150 U	1,020 U	1,090 U	1,000 U	211 J	101 J	279 J
Vanadium	NA	NA	NA	NA	4.3 U	4.3 U	4.4 U	4.6 U	4.1 U	4.4 U	4.0 U	4.1 U	4.1 U	4.1 U
Zinc	109	2,200	10,000	2,480	39.2	18.6	20.2	12.3	10.4	5.3 J	9.9 J	19.7	7.9 J	25.9
Mercury	0.18	0.81	0.81	0.73	47.1	27.4	24.4	226	18.6	13.6	17.5	36.9	8.7	95.0
					0.018 U	0.019 U	0.018 U	0.021	0.018 U	0.013 J	0.018 U	0.11	0.015 J	0.079

TAL Metals (mg/kg)	NYSDEC SCOs				SL-33 / SL-34 Original Sample Locations - Post Excavation Data														
					Supplemental End Post Soil Samples														
					Co-located Bottom and Sidewall Samples														
	NYSDEC Unrestricted SCO	Residential	Restricted Residential	Protection of Groundwater	SL-EP#340	SL-EP#340	SL-EP#341	SL-EP#342	SL-EP#342	SL-EP#343	SL-EP#343	SL-EP#343	SL-EP#344	SL-EP#344	SL-EP#345	SL-EP#345	SL-EP#346	SL-EP#347	SL-EP#347
Aluminum	NA	NA	NA	NA	(8)	(8)	(8)	(8)	(8)	(8)	(8)	(8)	(8)	(8)	(8)	(8)	(8)	(8)	(8)
Antimony	NA	NA	NA	NA	5.380	6.070	4.810	5.740	12.400	5.360	3.880	5.750	9.710	16.600	6.450	12.700	6.310	6.020	
Arsenic	13	16	16	16	4.1 U	4.3 U	3.9 U	4.0 U	4.2 U	4.1 U	4.0 U	4.2 U	3.8 U	4.5 U	4.6 U	4.6 U	4.0 U	4.0 U	
Barium	350	350	400	820	3.1 U	1.6 J	2.1 J	1.8 J	3.8	0.83 J	2.2 J	4.0	2.9	3.1 J	4.3	2.7 J	1.8 J	2.4 J	
Beryllium	7.2	14	720	47	67.7 J	29.3 J	23.1 J	13.5 J	11.3	97.8	33.8 J	60.1	27.6 J	117	124	62.8	65.1	46.5	
Cadmium	2.5	2.5	4.3	7.5	0.41 U	0.43 U	0.39 U	0.40 U	0.40 U	0.31 J	0.32 J	0.36 J	0.48	0.36 U	0.63	0.44 U	0.40 U	0.40 U	
Calcium	NA	NA	NA	NA	0.83 U	0.86 U	0.77 U	0.80 U	0.84 U	0.81 U	0.84 U	0.77 U	0.90 U	0.45 J	0.92 U	0.89 U	0.79 U	0.81 U	
Chromium ¹	30	36	180	NS	6.1	11.3	10.8	8.5	27.0	10.1	10.2	11.5	13.2	20.7	15.7	24.0	13.7	16.6	12.1
Cobalt	NA	NA	NA	NA	1.1 J	2.3 J	3.3 J	3.2 J	6.4 J	1.9 J	2.7 J	4.0 J	7.1 J	4.8 J	5.6 J	3.5 J	2.8 J	3.4 J	
Copper	50	270	270	1,720	4.8 J	22.5	7.0	5.8	26.6	2.1 J	13.9	10.6	9.0	16.2	39.1	10.6	12.2	13.9	
Iron	NA	NA	NA	NA	4,170	9,730	6,810	6,800	16,700	4,660	7,740	12,200	14,900	15,000	15,400	14,600	9,790	15,000	16,400
Lead	63	400	400	450	6.1	64.3	14.4	6.0	29.8	8.9	53.7	161	8.3	26.2	246	30.2	50.2	96.0	
Magnesium	NA	NA	NA	NA	808 J	1,540	1,290	1,160	3,370	854 J	1,650	16,500	1,820	2,950	5,000	3,180	1,340	2,060	1,580
Manganese	1,600	2,000	2,000	2,000	30.4	52.4	166	126	333	60.9	253	160	279	360	256	253	360	253	136
Nickel	30	140	310	130	3.4 J	6.7 J	7.6 J	6.4 J	15.6	5.0 J	5.7 J	8.5	9.9	12.2	17.3	14.5	8.7	8.7	8.1
Potassium	NA	NA	NA	NA	400 J	873 J	531	400	904 J	249 J	406 J	354 J	420 J	465 J	533 J	576 J	459 J	595 J	
Selenium	3.9	36	180	4	4.1 U	3.9 U	4.0 U	4.0 U	4.2 U	4.1 U	4.0 U	4.2 U	3.8 U	4.5 U	4.6 U	4.6 U	4.0 U	4.0 U	
Silver	2	36	180	8.3	1.8 J	2.2	1.9	2.0 U	1.8	2.0 U	58.9	5.7	1.9 U	1.0	21.0	2.3 U	4.1	58.9	
Sodium	NA	NA	NA	NA	1,030 U	1,070 U	984 U	1,000 U	91 J	151 J	1,010 U	1,040 U	1,100 U	165 J	1,110 U	129 J	1,010 U	1,010 U	
Thallium	NA	NA	NA	NA	4.1 U	4.3 U	3.9 U	4.0 U	4.2 U	4.1 U	4.0 U	4.2 U	3.8 U	4.5 U	4.6 U	4.6 U	4.0 U	4.0 U	
Vanadium	NA	NA	NA	NA	8.2 J	14.7	11.1	12.0	26.1	6.9 J	12.7	14.2	18.8	22.4	23.3	15.0	19.8	13.8	
Zinc	109	2,200	10,000	2,480	11.9	22.8	21.1	16.9	95.8	13.9	136	61.1	23.5	37.8	174	38.4	139	63.4	78.2
Mercury	0.18	0.81	0.81	0.73	0.017 U	0.063	0.017	0.017	0.048	0.019 U	0.11	0.28	0.050	0.031	0.85	0.031	0.45	0.12	0.10

Table 6-30
TAL Metals Soil Analytical Data
SL-33 / SL-34 Original Sample Locations - Post Excavation Data

						SL-33 / SL-34 Original Sample Locations - Post Excavation Data																			
	NYSDEC SCOs					Supplemental End Pont Soil Samples																			
						Co-located Bottom and Sidewall Samples																			
	NYSDEC Unrestricted SCO	Residential	Restricted Residential	Commercial	Protection of Groundwater	SL-EP#357 (4')	SL-EP#357 (1')	SL-EP#358 (4')	SL-EP#358 (1')	SL-EP#359 (4')	SL-EP#359 (1')	SL-EP#360 (4')	SL-EP#360 (1')	SL-EP#361 (4')	SL-EP#361 (1')	SL-EP#362 (4')	SL-EP#362 (1')	SL-EP#363 (4')	SL-EP#363 (1')	SL-EP#364 (4')	SL-EP#364 (1')	SL-EP#365 (4')	SL-EP#365 (1')	SL-EP#366 (4')	SL-EP#366 (1')
TAL Metals (mg/kg)																									
Aluminum	NA	NA	NA	NA	NA	5,880	10,100	7,920	7,990	5,600	4,780	3,520	4,490	3,530	5,820	5,080	6,130	3,180	5,610	15,600	5,530	6,690	4,790	9,090	6,200
Antimony	NA	NA	NA	NA	NA	4.6 U	4.4 U	4.3 U	4.5 U	4.2 U	4.1 U	3.9 U	4.1 U	3.7 U	3.8 U	3.4 U	4.2 U	3.6 U	4.2 U	4.3 U	3.5 U	3.7 U	3.4 U	2.2 J	
Arsenic	13	16	16	16	16	3.5 U	3.1 J	2.8 J	2.1 J	3.1 U	1.9 J	1.2 J	1.7 J	1.0 J	1.9 J	1.9 J	3.0 J	0.93 J	6.1	4.1	4.1	3.8	4.2	4.6	
Barium	350	350	400	400	820	17.6 J	49.3	27.7 J	24.7 J	38.6 J	39.9 J	20.8 J	20.7 J	19.0 J	34.5 J	17.6 J	41.6 J	18.3 J	49.2	127	186	230	264	253	
Beryllium	7.2	14	72	590	47	0.46 U	0.33 J	0.43 U	0.45 U	0.42 U	0.41 U	0.39 U	0.41 U	0.37 U	0.26 J	0.34 U	0.31 J	0.36 U	0.31 J	0.43 U	0.35 U	0.37 U	0.34 U	0.27 J	
Cadmium	2.5	2.5	4.3	9.3	7.5	0.92 U	0.88 U	0.85 U	0.89 U	0.84 U	0.68 J	0.78 U	0.82 U	0.75 U	0.77 U	0.68 U	0.31 J	0.72 U	0.84 U	0.87 U	0.71 U	1.4	1.4	2.1	
Calcium	NA	NA	NA	NA	NA	235 J	1,280	840 J	1,010 J	980 J	9,260	747 J	672 J	638 J	3,280	448 J	5,610	254 J	1,560	3,340	3,410	3,560	3,500	5,840	
Chromium ¹	30	36	180	1,500	NS	9.2	17.8	12.7	12.6	9.8	10.7	6.4	7.3	5.6	11.1	9.8	11.7	6.1	13.3	39.2	34.0	30.9	16.8	22.8	
Cobalt	NA	NA	NA	NA	NA	2.0 J	3.6 J	2.9 J	2.7 J	2.7 J	2.9 J	1.3 J	2.6 J	2.1 J	3.0 J	3.6 J	2.0 J	4.2 J	7.9 J	3.7 J	3.7 J	4.4 J	3.3 J	4.5 J	
Copper	50	270	270	270	1,720	6.6	17.5	7.1	5.5 J	2.7 J	10.3	2.7 J	7.9	2.7 J	13.1	4.5	23.2	3.9 J	62.5	77.6	43.2	146	123	1,140	
Iron	NA	NA	NA	NA	NA	6,170	13,500	9,830	9,420	8,930	7,470	4,060	8,050	4,660	13,600	9,590	9,550	6,210	11,000	23,000	10,900	11,700	9,920	18,800	
Lead	63	400	400	1,000	450	4.1	92.8	66.7	11.5	9.6	50.9	13.8	8.5	11.5	32.0	3.7	85.3	3.5	188	19.6	636	313	582	547	
Magnesium	NA	NA	NA	NA	NA	1,380	2,340	1,760	1,820	1,270	2,400	650 J	953 J	817 J	2,010	1,210	2,130	688 J	1,450	4,790	1,450	3,230	1,240	2,510	
Manganese	1,600	2,000	2,000	10,000	2,000	48.7	106	89.3	90.3	162	151	64.0	88.4	66.3	257	210	230	94.9	190	414	181	210	220	292	
Nickel	30	140	310	310	130	6.8 J	10.1	7.6 J	7.3 J	5.8 J	6.4 J	3.3 J	5.6 J	4.2 J	7.6 J	5.8 J	8.4	4.4 J	10.7	17.8	9.2	12.8	7.9	14.3	
Potassium	NA	NA	NA	NA	NA	409 J	718 J	449 J	442 J	527 J	655 J	198 J	329 J	253 J	457 J	308 J	453 J	216 J	574 J	797 J	508 J	2,080	437 J	777 J	
Selenium	3.9	36	180	1,500	4	4.6 U	4.4 U	4.3 U	4.5 U	4.2 U	4.1 U	3.9 U	4.1 U	3.7 U	3.8 U	3.4 U	4.2 U	3.6 U	4.2 U	4.3 U	3.5 U	3.7 U	3.4 U	3.7 U	
Silver	2	36	180	1,500	8.3	1.1 J	104	2.8	1.6 J	2.8	129	2.8	2.8	0.39 J	24.8	1.8 U	15.5	1.8 U	15.5	2.2 U	3.6	10.5	8.7	19.5	
Sodium	NA	NA	NA	NA	NA	1,150 U	339 J	155 J	154 J	1,040 U	101 J	975 U	1,020 U	934 U	272 J	138 J	194 J	901 U	1,060 U	270 J	917 U	73 J	155 J	100 J	
Thallium	NA	NA	NA	NA	NA	4.6 U	4.4 U	4.3 U	4.5 U	4.2 U	4.1 U	3.9 U	4.1 U	3.7 U	3.8 U	3.4 U	4.2 U	3.6 U	4.2 U	4.3 U	3.5 U	3.7 U	3.4 U	3.7 U	
Vanadium	NA	NA	NA	NA	NA	10.5 J	21.4	16.8	16.4	10.3 J	11.6	6.2 J	9.5 J	5.8 J	15.9	11.0	14.1	6.9 J	14.2	37.0	15.0	20.2	11.9	16.8	
Zinc	109	2,200	10,000	10,000	2,480	22.0	144	69.2	26.0	17.9	53.7	13.6	16.5	10.6	30.2	13.1	86.8	9.7	116	53.7	351	248	345	359	
Mercury	0.18	0.81	0.81	2.8	0.73	0.015 J	0.098	0.040	0.030	0.015 J	0.083	0.020 U	0.029	0.017 U	0.036	0.016 U	0.16	0.016	0.84	0.49	0.30	0.54	0.43	0.29	

TAL Metals (mg/kg)	NYSDEC SCOs					SL -33 / SL-34 Original Sample Locations - Post Excavation Data											
	Unrestricted SCO	Residential	Restricted Residential	Commercial	Protection of Groundwater	Supplemental End Pont Soil Samples											
						Co-located Bottom and Sidewall Samples											
						SL-EP#367	SL-EP#368	SL-EP#369	SL-EP#370	SL-EP#371	SL-EP#372	SL-EP#373	SL-EP#374	SL-EP#374	SL-EP#375	SL-EP#375	SL-EP#376
						(5')	(5')	(5')	(5')	(5')	(7')	(7')	(4')	(4')	(4)	(1')	(7)
Aluminum	NA	NA	NA	NA	NA	13,500	5,420	11,500	4,800	6,300	10,700	8,570	14,100	5,800	6,600	8,840	7,960
Antimony	NA	NA	NA	NA	NA	4.2 U	4.1 U	4.0 U	3.2 U	3.4 U	4.2 U	3.3 U	3.9 U	3.6 U	3.3 U	3.5 U	2.7 J
Arsenic	13	16	16	16	16	2.9 J	1.6 J	1.8 J	0.79 J	2.4 J	2.4 J	2.1 J	3.5	2.6 J	5.2	3.9	4.3
Barium	350	350	400	400	820	142	89.8	90.4	34.1	27.7 J	23.3 J	25.6 J	109	155	215	212	166
Beryllium	7.2	14	72	590	47	0.65	0.41 U	0.44	0.32 U	0.34 U	0.42 U	0.33 U	0.39 U	0.36 U	0.26 J	0.35 U	0.34 J
Cadmium	2.5	2.5	4.3	9.3	7.5	0.83 U	0.81 U	0.80 U	0.64 U	0.69 U	0.83 U	0.66 U	0.77 U	0.73 U	0.65 J	0.70 U	0.90 U
Calcium	NA	NA	NA	NA	NA	3,810	1,680	2,290	673 J	481 J	693 J	262 J	2,280	2,430	5,600	3,630	5,420
Chromium ¹	30	36	180	1,500	NS	21.1	14.1	21.2	7.9	12.8	16.7	13.2	29.0	12.1	16.6	20.5	16.5
Cobalt	NA	NA	NA	NA	NA	4.0 J	2.3 J	4.1 J	2.2 J	3.8 J	1.8 J	2.1 J	9.6 J	3.6 J	4.5 J	4.4 J	4.1 J
Copper	50	270	270	270	1,720	9.0	115	8.3	3.3 J	1.7 J	7.7	7.3	22.6	29.9	96.6	41.2	27.3
Iron	NA	NA	NA	NA	NA	11,200	11,300	11,300	5,980	13,300	9,110	10,400	23,400	10,900	13,400	15,300	12,100
Lead	63	400	400	1,000	450	22.2	75.0	19.5	9.2	4.2	10.1	5.1	65.6	307	805	513	349
Magnesium	NA	NA	NA	NA	NA	2,170	1,190	2,020	1,070	1,640	1,400	1,720	4,220	1,700	1,910	2,280	2,150
Manganese	1,600	2,000	2,000	10,000	2,000	168	146	236	84.5	234	39.7	53.1	209	147	171	206	169
Nickel	30	140	310	310	130	11.5	8.0 J	9.9	5.0 J	6.6 J	6.0 J	8.0	20.9	7.9	10.5	11.1	10.2
Potassium	NA	NA	NA	NA	NA	493 J	437 J	381 J	305 J	564 J	955 J	619 J	2,140	479 J	577 J	647 J	627 J
Selenium	3.9	36	180	1,500	4	4.2 U	4.1 U	4.0 U	3.2 U	3.4 U	4.2 U	3.3 U	3.9 U	3.6 U	3.3 U	3.5 U	4.5 U
Silver	2	36	180	1,500	8.3	2.1 U	11.8	2.0 U	11.6 J	1.7 U	1.5 J	25.7	1.5 J	4.0	24.8	7.2	47.2
Sodium	NA	NA	NA	NA	NA	238 J	120 J	367 J	116 J	862 U	139 J	79 J	132 J	908 U	92 J	103 J	1,130 U
Thallium	NA	NA	NA	NA	NA	4.2 U	4.1 U	4.0 U	3.2 U	3.4 U	4.2 U	3.3 U	3.9 U	3.6 U	3.3 U	3.5 U	4.5 U
Vanadium	NA	NA	NA	NA	NA	20.0	10.8	16.6	7.8 J	15.3	16.8	17.8	34.7	15.3	20.1	21.3	18.5
Zinc	109	2,200	10,000	10,000	2,480	33.2	150	31.3	17.8	19.5	25.0	23.1	105	242	516	315	291
Mercury	0.18	0.81	0.81	2.8	0.73	0.036	0.15	0.24	0.012 J	0.017 U	0.038	0.018	0.11	0.24	0.25	0.22	0.33

Notes
J : Sample result is greater than the MDL but below the CRDL
U : Indicates analyzed for but not detected.
¹ Trivalent chromium SCOs utilized.
Highlighted / bolded indicates analyte exceeded above its respective NYSDEC Commercial SCO.
Green / italicized value indicates analyte exceeded its respective unrestricted SCO but was below its respective Residential / Protection of GW SCO, whichever is lower.
Blue / italicized value indicates analyte exceeded its respective Residential SCO and / or Protection of Groundwater SCO but was below its Restricted Residential SCO.
Pink / italicized value indicates analyte exceeded its respective Residential SCOs and / or Protection of Groundwater SCO but was below its Commercial SCO.
Pale Yellow / italicized value indicates analyte detected at above its Unrestricted SCO and Protection of Groundwater SCO but below its Residential SCO.
NA - Not Available
NS - No Standard Available

Table 6-31
TCL SVOC Soil Analytical Data
Post-excavation End-point Soil Analytical Data - SL-31

TCL SVOCs (mg/kg)	NYSDEC Unrestricted SCO	Post-excavation End-point Soil Analytical Data - SL-31				
		Side-wall Samples				
		SL-EP#1	SL-EP#2	SL-EP#3	SL-EP#4	SL-EP#5
		(8')	(8')	(8')	(8')	(8')
1,2,4,5-Tetrachlorobenzene	NA	0.34 U	0.36 U	0.33 U	0.36 U	0.35 U
1,4-Dioxane	0.1	0.34 U	0.36 U	0.33 U	0.36 U	0.35 U
2,2'-oxybis[1-chloropropane]	NA	0.34 U	0.36 U	0.33 U	0.36 U	0.35 U
2,3,4,6-Tetrachlorophenol	NA	0.34 U	0.36 U	0.33 U	0.36 U	0.35 U
2,4,5-Trichlorophenol	NA	0.34 U	0.36 U	0.33 U	0.36 U	0.35 U
2,4,6-Trichlorophenol	NA	0.34 U	0.36 U	0.33 U	0.36 U	0.35 U
2,4-Dichlorophenol	NA	0.34 U	0.36 U	0.33 U	0.36 U	0.35 U
2,4-Dimethylphenol	NA	0.34 U	0.36 U	0.33 U	0.36 U	0.35 U
2,4-Dinitrophenol	NA	1.0 U	1.1 U	1.0 U	1.1 U	1.1 U
2,4-Dinitrotoluene	NA	0.068 U	0.073 U	0.068 U	0.073 U	0.070 U
2,6-Dinitrotoluene	NA	0.068 U	0.073 U	0.068 U	0.073 U	0.070 U
2-Chloronaphthalene	NA	0.34 U	0.36 U	0.33 U	0.36 U	0.35 U
2-Chlorophenol	NA	0.34 U	0.36 U	0.33 U	0.36 U	0.35 U
2-Methylnaphthalene	NA	0.34 U	0.36 U	0.33 U	0.36 U	0.35 U
2-Methylphenol	0.33	0.34 U	0.36 U	0.33 U	0.36 U	0.35 U
2-Nitroaniline	NA	0.68 U	0.73 U	0.68 U	0.73 U	0.70 U
2-Nitrophenol	NA	0.34 U	0.36 U	0.33 U	0.36 U	0.35 U
3,3'-Dichlorobenzidine	NA	0.68 U	0.73 U	0.68 U	0.73 U	0.70 U
3-Nitroaniline	NA	0.68 U	0.73 U	0.68 U	0.73 U	0.70 U
4,6-Dinitro-2-methylphenol	NA	1.0 U	1.1 U	1.0 U	1.1 U	1.1 U
4-Bromophenyl phenyl ether	NA	0.34 U	0.36 U	0.33 U	0.36 U	0.35 U
4-Chloro-3-methylphenol	NA	0.34 U	0.36 U	0.33 U	0.36 U	0.35 U
4-Chloroaniline	NA	0.34 U	0.36 U	0.33 U	0.36 U	0.35 U
4-Chlorophenyl phenyl ether	NA	0.34 U	0.36 U	0.33 U	0.36 U	0.35 U
4-Methylphenol	0.33	0.34 U	0.36 U	0.33 U	0.36 U	0.35 U
4-Nitroaniline	NA	0.68 U	0.73 U	0.68 U	0.73 U	0.70 U
4-Nitrophenol	NA	1.0 U	1.1 U	1.0 U	1.1 U	1.1 U
Acenaphthene	20	0.34 U	0.36 U	0.33 U	0.36 U	0.35 U
Acenaphthylene	100	0.34 U	0.36 U	0.33 U	0.36 U	0.35 U
Acetophenone	NA	0.34 U	0.36 U	0.33 U	0.36 U	0.35 U
Anthracene	100	0.34 U	0.36 U	0.33 U	0.36 U	0.35 U
Atrazine	NA	0.34 U	0.36 U	0.33 U	0.36 U	0.35 U
Benzaldehyde	NA	0.34 U	0.36 U	0.33 U	0.36 U	0.35 U
Benzo[a]anthracene	1	0.095	0.036 U	0.033 U	0.036 U	0.035 U
Benzo[a]pyrene	1	0.092	0.036 U	0.033 U	0.036 U	0.035 U
Benzo[b]fluoranthene	1	0.099	0.036 U	0.033 U	0.036 U	0.035 U
Benzo[g,h,i]perylene	100	0.083 J	0.36 U	0.33 U	0.36 U	0.35 U
Benzo[k]fluoranthene	0.8	0.037	0.036 U	0.033 U	0.036 U	0.035 U
Bis(2-chloroethoxy)methane	NA	0.34 U	0.36 U	0.33 U	0.36 U	0.35 U
Bis(2-chloroethyl)ether	NA	0.034 U	0.036 U	0.033 U	0.036 U	0.035 U
Bis(2-ethylhexyl) phthalate	NA	0.28 J	0.36 U	0.33 U	0.36 U	0.35 U
Butyl benzyl phthalate	NA	1.8	0.36 U	0.33 U	0.36 U	0.35 U
Caprolactam	NA	0.34 U	0.36 U	0.33 U	0.36 U	0.35 U
Carbazole	NA	0.34 U	0.36 U	0.33 U	0.36 U	0.35 U
Chrysene	1	0.11 J	0.36 U	0.33 U	0.36 U	0.35 U
Dibenz(a,h)anthracene	0.33	0.014 J	0.036 U	0.033 U	0.036 U	0.035 U
Dibenzofuran	7	0.34 U	0.36 U	0.33 U	0.36 U	0.35 U
Diethyl phthalate	NA	0.34 U	0.36 U	0.33 U	0.36 U	0.35 U
Dimethyl phthalate	NA	0.31 J	0.36 U	0.33 U	0.36 U	0.35 U
Di-n-butyl phthalate	NA	0.34 U	0.36 U	0.33 U	0.36 U	0.35 U
Di-n-octyl phthalate	NA	0.34 U	0.36 U	0.33 U	0.36 U	0.35 U
Diphenyl	NA	0.34 U	0.36 U	0.33 U	0.36 U	0.35 U
Fluoranthene	100	0.14 J	0.36 U	0.33 U	0.36 U	0.35 U
Fluorene	30	0.34 U	0.36 U	0.33 U	0.36 U	0.35 U
Hexachlorobenzene	0.33	0.034 U	0.036 U	0.033 U	0.036 U	0.035 U
Hexachlorobutadiene	NA	0.068 U	0.073 U	0.068 U	0.073 U	0.070 U
Hexachlorocyclopentadiene	NA	0.34 U	0.36 U	0.33 U	0.36 U	0.35 U
Hexachloroethane	NA	0.034 U	0.036 U	0.033 U	0.036 U	0.035 U
Indeno[1,2,3-cd]pyrene	0.5	0.087	0.036 U	0.033 U	0.036 U	0.035 U
Isophorone	NA	0.34 U	0.36 U	0.33 U	0.36 U	0.35 U
Naphthalene	12	0.34 U	0.36 U	0.33 U	0.36 U	0.35 U
Nitrobenzene	NA	0.034 U	0.036 U	0.033 U	0.036 U	0.035 U
N-Nitrosodi-n-propylamine	NA	0.034 U	0.036 U	0.033 U	0.036 U	0.035 U
N-Nitrosodiphenylamine	NA	0.34 U	0.36 U	0.33 U	0.36 U	0.35 U
Pentachlorophenol	0.8	1.0 U	1.1 U	1.0 U	1.1 U	1.1 U
Phenanthrene	100	0.12 J	0.36 U	0.33 U	0.36 U	0.35 U
Phenol	0.33	0.34 U	0.36 U	0.33 U	0.36 U	0.35 U
Pyrene	100	0.16 J	0.36 U	0.33 U	0.36 U	0.35 U
Pyridine	NA	0.34 U	0.36 U	0.33 U	0.36 U	0.35 U
SVOC TICs						
TCL SVOCs TICs	NA	1.54	ND	ND	ND	ND

Notes

ND: TIC not detected

J : This flag indicates the presumptive evidence of a compound.

J N : Indicates an estimated value.

U : Analyzed for but not detected.



Table 6-32
TAL Metals Soil Analytical Data
Post-excavation End-point Soil Analytical Data - SL-31

TAL Metals (mg/kg)	NYSDEC SCOs		Post-excavation End-point Soil Analytical Data				
			SL-31 Excavation				
			Bottom Samples				
	Unrestricted	Protection of Groundwater	SL-EP#1 (8')	SL-EP#2 (8')	SL-EP#3 (8')	SL-EP#4 (8')	SL-EP#5 (8')
Aluminum	NA	NA	10,000	8,670	14,700	11,600	3,110
Antimony	NA	NA	3.9 U	3.7 U	3.7 U	3.8 U	3.5 U
Arsenic	13	16	3.4	3.1	4.1	3.8	0.89 J
Barium	350	820	50.8	32.9 J	56.5	44.8	21.9 J
Beryllium	7.2	47	0.39 U	0.37 U	0.37 U	0.38 U	0.35 U
Cadmium	2.5	7.5	0.79 U	0.74 U	0.74 U	0.76 U	0.70 U
Calcium	NA	NA	1,310	1,550	1,490	1,170	290 J
Chromium ¹	30	NS	18.4	17.9	26.7	18.8	5.5
Cobalt	NA	NA	6.3 J	5.0 J	8.8 J	6.8 J	3.2 J
Copper	50	1,720	11.0	8.6	16.1	9.7	3.1 J
Iron	NA	NA	14,900	23,000	23,400	17,700	5,390
Lead	63	450	28.5	7.9	9.6	11.6	2.0
Magnesium	NA	NA	2,430	2,180	3,640	2,270	695 J
Manganese	1,600	2,000	367	365	534	300	207
Nickel	30	130	11.1	9.7	15.9	10.9	4.0 J
Potassium	NA	NA	861 J	826 J	1,610	854 J	226 J
Selenium	3.9	4	3.9 U	3.7 U	3.7 U	3.8 U	3.5 U
Silver	2	8.3	2.0 U	1.8 U	1.9 U	1.9 U	1.8 U
Sodium	NA	NA	84.9 J	923 U	77.6 J	75.1 J	876 U
Thallium	NA	NA	3.9 U	3.7 U	3.7 U	3.8 U	3.5 U
Vanadium	NA	NA	20.9	19.7	33.7	24.4	6.9 J
Zinc	109	2,480	31.8	23.2	37.7	28.6	7.2
Mercury	0.18	0.73	0.084	0.024	0.052	0.042	0.017 U

Notes

J : Sample result is greater than the MDL but below the CRDL

U : Indicates analyzed for but not detected.

¹ Trivalent chromium SCOs utilized.

Highlighted / bolded indicates analyte exceeded above its respective NYSDEC Unrestricted SCO.

NA - Not Available

Table 6-33
TAL Metals Soil Analytical Data
RD-3 Original Sample Location - Post Excavation Data

TAL Metals (mg/kg)	NYSDEC SCOs			Post-excavation End-point Soil Analytical Data													
				RD-3 Original Sample Location					Supplemental Endpoint Samples						Supplemental Endpoint Samples		
				Side-wall Samples				Bottom Sample	Side-wall Samples		Bottom Sample	Side-wall Samples			Bottom Samples		
	Unrestricted	Residential	Protection of Groundwater	RD-EP#2 (1')	RD-EP#3 (1')	RD-EP#4 (1')	RD-EP#5 (1')	RD-EP#1 (2')	RD-EP#41 (2')	RD-EP#42 (2')	RD-EP#40 (4')	RD-EP#65 (1')	RD-EP#66 (1')	RD-EP#67 (1')	RD-EP#62 (6')	RD-EP#63 (6')	RD-EP#64 (6')
Aluminum	NA	NA	NA	4,810	5,100	5,110	4,740	4,140	4,780	3,210	5,820	1,120	1,400	5,410	4,110	4,040	1,270
Antimony	NA	NA	NA	3.6 U	3.7 U	3.9 U	3.8 U	3.6 U	3.9 U	4.1 U	4.0 U	3.6 U	4.0 U	3.6 U	4.8 U	3.8 U	4.2 U
Arsenic	13	16	16	1.6 J	1.9 J	1.5 J	0.82 J	1.4 J	2.2 J	3.1 U	1.6 J	2.7 U	3.0 U	1.5 J	2.3 J	1.8 J	0.74 J
Barium	350	350	820	24.9 J	21.0 J	14.6 J	14.0 J	12.3 J	18.3 J	8.8 J	32.5 J	5.2 J	4.8 J	20.1 J	13.2 J	18.4 J	4.9 J
Beryllium	7.2	14	47	0.36 U	0.37 U	0.39 U	0.38 U	0.36 U	0.19 J	0.41 U	0.21 J	0.070 J	0.085 J	0.21 J	0.29 J	0.29 J	0.14 J
Cadmium	2.5	2.5	7.5	0.71 U	1.4	0.78 U	0.76 U	0.71 U	0.78 U	0.82 U	0.80 U	0.72 U	0.80 U	0.73 U	0.96 U	0.77 U	0.85 U
Calcium	NA	NA	NA	1,960	3,320	556 J	483 J	398 J	780 J	480 J	941 J	236 J	277 J	703 J	318 J	328 J	169 J
Chromium ¹	30	36	NS	8.4	9.6	8.5	7.9	7.1	8.5	6.1	10.4	2.1	2.8	8.5	6.7	6.8	2.9
Cobalt	NA	NA	NA	3.0 J	3.0 J	2.0 J	2.6 J	1.8 J	2.5 J	2.8 J	11.8	0.62 J	0.70 J	2.5 J	4.7 J	3.1 J	1.2 J
Copper	50	270	1,720	7.7	10.6	5.5	5.3	4.3 J	6.8	3.8 J	7.0	1.3 J	1.7 J	6.9	5.8 J	6.1	2.3 J
Iron	NA	NA	NA	7,870	8,910	5,240	5,450	5,490	6,550	4,410	7,890	1,400	1,680	5,820	8,750	8,150	3,950
Lead	63	400	450	16.4	37.8	3.5	3.2	3.3	12.5	4.0	12.1	1.0 J	1.5 J	3.8	3.0	2.5	1.0 J
Magnesium	NA	NA	NA	1,220	1,370	1,230	1,330	1,110	1,180	915 J	1,480	263 J B	345 J B	1,560 B	1,010 J B	1,030 B	238 J B
Manganese	1,600	2,000	2,000	106	123	67.6	57.9	47.8	83.0	55.5	328	33.5	24.5	60.4	174	117	65.7
Nickel	30	140	130	7.1	8.4	4.7 J	4.9 J	4.2 J	6.1 J	3.7 J	6.5 J	1.7 J	2.0 J	6.8 J	5.5 J	6.5 J	2.4 J
Potassium	NA	NA	NA	576 J	619 J	508 J	534 J	393 J	536 J	300 J	649 J	148 J	174 J	582 J	334 J	538 J	119 J
Selenium	3.9	36	4	3.6 U	3.7 U	3.9 U	3.8 U	3.6 U	3.9 U	4.1 U	4.0 U	3.6 U	4.0 U	3.6 U	4.8 U	3.8 U	4.2 U
Silver	2	36	8.3	12.2	160	1.9 U	1.9 U	4.8	7.6	0.35 J	4.5	1.8 U	2.0 U	1.8 U	2.4 U	1.9 U	2.1 U
Sodium	NA	NA	NA	110 J	69.4 J	971 U	89.7 J	892 U	977 U	1,020 U	998 U	894 U	1,000 U	911 U	1,200 U	961 U	1,060 U
Thallium	NA	NA	NA	3.6 U	3.7 U	3.9 U	3.8 U	3.6 U	3.9 U	4.1 U	4.0 U	3.6 U	4.0 U	3.6 U	4.8 U	3.8 U	4.2 U
Vanadium	NA	NA	NA	10.4	11.5	10.4	9.2 J	10.1	11.2	6.8 J	12.8	2.5 J	3.8 J	12.9	10.6 J	9.4 J	5.0 J
Zinc	109	2,200	2,480	29.1	45.9	17.8	14.4	12.6	44.2	11.2	29.9	3.7 J	4.4 J	17.5	12.9	14.0	4.4 J
Mercury	0.18	0.81	0.73	0.041	0.10	0.019 U	0.018 U	0.017 U	0.040	0.018 U	0.022	0.017 U	0.017 U	0.018 U	0.020 U	0.018 U	0.018 U

Notes
J : Sample result is greater than the MDL but below the CRDL
U : Indicates analyzed for but not detected.
¹ Trivalent chromium SCOs utilized.
Highlighted / bolded indicates analyte exceeded above its respective NYSDEC Unrestricted SCO.
NA - Not Available

Indicates that sample locations were removed as part of supplemental soil excavation activities.



Table 6-34
TAL Metals Soil Analytical Data
RD-10, RD-13 and RD-20 Original Sample Locations - Post Excavation Data

TAL Metals (mg/kg)	NYSDEC SCOs			RD-10 Original Sample Location - RCRA Excavation										
				End Point Soil Samples										
				Side-wall Samples					Bottom Samples					
	Unrestricted	Residential	Protection of Groundwater	RD-EP #12 (5)	RD-EP #13 (5)	RD-EP #14 (2)	RD-EP #18 (5)	RD-EP #19 (5)	RD-EP #20 (5)	RD-EP #21 (5)	RD-EP #11 (7)	RD-EP #15 (7)	RD-EP #16 (7)	RD-EP #17 (7)
Aluminum	NA	NA	NA	20,000	2,210	13,400	6,950	2,200	8,670	9,040	10,400	6,520	10,200	6,350
Antimony	NA	NA	NA	3.6 U	3.8 U	3.5 U	3.6 U	3.7 U	4.5 U	3.2 U	4.6 U	3.6 U	4.6 U	3.2 U
Arsenic	13	16	16	6.6	0.97 J	5.0	3.0	1.1 J	2.4 J	6.9	9.1	2.1 J	3.5	1.8 J
Barium	350	350	820	161	12.8 J	60.5	33.6 J	7.1 J	23.4 J	28.0 J	45.1 J	32.4 J	50.7	17.8 J
Beryllium	7.2	14	47	1.4	0.13 J	0.61	0.34 J	0.12 J	0.31 J	0.36	0.53	0.28 J	0.59	0.25 J
Cadmium	2.5	2.5	7.5	0.73 U	0.76 U	0.71 U	0.72 U	0.74 U	0.89 U	0.64 U	0.93 U	0.72 U	0.92 U	0.65 U
Calcium	NA	NA	NA	1,580	300 J	858 J	6,520	255 J	358 J	187 J	4,520	845 J	1,090 J	411 J
Chromium ¹	30	36	NS	43.2	4.5	25.6	11.6	4.6	12.2	21.0	23.1	9.3	13.5	12.4
Cobalt	NA	NA	NA	12.2	1.1 J	7.2 J	3.9 J	0.89 J	3.3 J	2.4 J	5.9 J	3.3 J	19.5	2.8 J
Copper	50	270	1,720	33.2	3.8 J	15.9	10.9	2.6 J	8.2	7.1	14.8	7.6	13.1	5.2
Iron	NA	NA	NA	35,900	3,310	21,600	10,900	3,280	10,600	19,600	24,000	21,100	9,180	8,790
Lead	63	400	450	13.5	20.0	9.9	34.0	1.8	10.0	11.9	69.4	10.2	7.5	4.3
Magnesium	NA	NA	NA	7,310	295 J	4,420	2,050	544 J	1,910	1,960	2,770	1,780	2,520	1,580
Manganese	1,600	2,000	2,000	314	48.5	203	137	21.6	101	60.4	209	64.5	79.1	117
Nickel	30	140	130	26.8	2.0 J	15.5	8.5	2.2 J	7.1 J	6.8	11.5	8.5	20.7	5.9 J
Potassium	NA	NA	NA	3,380	148 J	1,600	850 J	175 J	702 J	650 J	1,090 J	562 J	883 J	449 J
Selenium	3.9	36	4	3.6 U	3.8 U	3.5 U	3.6 U	3.7 U	4.5 U	3.2 U	4.6 U	3.6 U	4.6 U	3.2 U
Silver	2	36	8.3	2.7	1.2 J	1.8 U	19.4	1.4 J	2.2 U	1,030	7.4	125	67.1	1.6 U
Sodium	NA	NA	NA	494 J	948 U	133 J	175 J	919 U	1120 U	804 U	196 J	183 J	115 J	113 J
Thallium	NA	NA	NA	3.6 U	3.8 U	3.5 U	3.6 U	3.7 U	4.5 U	3.2 U	4.6 U	3.6 U	4.6 U	3.2 U
Vanadium	NA	NA	NA	52.4	4.5 J	34.8	15.2	5.8 J	17.2	30.4	27.5	13.0	16.7	13.1
Zinc	109	2,200	2,480	108	60.8	43.0	45.3	6.4	31.6	68.0	58.0	449	5,470	16.6
Mercury	0.18	0.81	0.73	0.018 U	0.033	0.019 U	0.018 U	0.017 U	0.018 U	0.047	0.041	0.020 U	0.021	0.020 U

TAL Metals (mg/kg)	NYSDEC SCOs			RD-10 Original Sample Location - RCRA Excavation												
				Supplemental Endpoint Samples						Supplemental Endpoint Samples						
				Side-wall Samples			Bottom Samples			Side-wall Samples						
	Unrestricted	Residential	Protection of Groundwater	RD-EP#43 (7)	RD-EP#44 (7)	RD-EP#45 (7)	RD-EP#37 (9)	RD-EP#38 (9)	RD-EP#39 (9)	RD-EP#68 (4)	RD-EP#69 (4)	RD-EP#70 (4)	RD-EP#71 (4)	RD-EP#72 (4)	RD-EP#75 (4)	RD-EP#76 (4)
Aluminum	NA	NA	NA	6,840	10,700	10,300	6,580	7,420	4,210	7,430	6,420	11,900	10,700	6,190	6,190	13,500
Antimony	NA	NA	NA	4.0 U	4.4 U	3.8 U	4.4 U	4.5 U	4.3 U	4.7 U	4.3 U	4.3 U	4.8 U	4.4 U	4.1 U	4.5 U
Arsenic	13	16	16	2.3 J	3.6	4.1	1.7 J	2.2 J	1.9 J	2.3 J	2.3 J	4.1	4.0	4.0	2.9 J	4.5
Barium	350	350	820	20.0 J	61.6	92.6	30.4 J	42.2 J	20.3 J	17.9 J	19.9 J	74.4	71.6	136	34.9 J	73.2
Beryllium	7.2	14	47	0.20 J	0.61	0.74	0.28 J	0.27 J	0.28 J	0.15 J	0.36 J	0.48	0.48	0.29 J	0.28 J	0.62
Cadmium	2.5	2.5	7.5	0.80 U	0.88 U	0.76 U	0.87 U	0.90 U	0.86 U	0.94 U	0.87 U	0.56 J	0.23 J	0.28 J	0.82 U	0.89 U
Calcium	NA	NA	NA	586 J	788 J	377 J	770 J	1,340	390 J	347 J	752 J	1,790	2,010	5,570	1,510	963 J
Chromium ¹	30	36	NS	9.4	19.9	24.2	8.9	14.4	9.2	12.2	12.6	19.7	20.6	12.1	11.6	28.9
Cobalt	NA	NA	NA	2.8 J	8.0 J	7.6 J	3.0 J	3.5 J	2.5 J	2.9 J	3.5 J	5.4 J	5.7 J	3.5 J	3.3 J	10.8 J
Copper	50	270	1,720	7.5	13.5	18.1	8.8	10.3	6.4	11.8	9.5	14.8	20.8	17.7	12.5	20.7
Iron	NA	NA	NA	7,440	18,600	20,000	9,760	8,370	11,000	9,250	6,520	18,800	16,600	9,760	9,620	22,300
Lead	63	400	450	55.7	10.2	8.9	5.6	5.9	4.3	6.4	6.1	49.0	36.6	175	74.3	7.9
Magnesium	NA	NA	NA	1,500	3,030	2,740	1,710	2,110	1,060 J	1,840 B	2,190 B	2,520 B	2,630 B	1,690 B	1,510 B	4,800
Manganese	1,600	2,000	2,000	70.3	142	116	114	118	63.1	68.3	114	163	176	206	142	314
Nickel	30	140	130	6.8 J	12.7	14.8	8.6 J	9.3	5.2 J	7.5 J	8.6 J	11.1	13.4	8.6 J	7.6 J	17.7 B
Potassium	NA	NA	NA	650 J	1,050 J	1,240	556 J	710 J	367 J	705 J	1,010 J	842 J	1,080 J	716 J	551 J	2,380
Selenium	3.9	36	4	4.0 U	4.4 U	3.8 U	4.4 U	4.5 U	4.3 U	4.7 U	4.3 U	4.3 U	4.8 U	4.4 U	4.1 U	4.5 U
Silver	2	36	8.3	47.8	2.8	6.3	2.2 U	2.3 U	2.2 U	15.7	4.0	121	141	42.0	6.0	2.2 U
Sodium	NA	NA	NA	80.0 J	129 J	460 J	1,090 U	1,130 U	82.5 J	1,180 U	1,080 U	1,080 U	156 J	1,090 U	1,030 U	303 J
Thallium	NA	NA	NA	4.0 U	4.4 U	3.8 U	4.4 U	4.5 U	4.3 U	4.7 U	4.3 U	4.3 U	4.8 U	4.4 U	4.1 U	4.5 U
Vanadium	NA	NA	NA	14.7	27.5	30.4	17.5	18.1	11.4	16.9	18.5	25.8	25.7	16.2	15.1	35.8
Zinc	109	2,200	2,480	19.6	39.6	236	25.6	32.0	18.0	20.2	24.5	1,080	297	86.4	62.7	41.8
Mercury	0.18	0.81	0.73	0.031	0.019 U	0.018 U	0.020 U	0.019 J	0.020 U	0.021	0.019 U	0.091	0.072	0.14	0.54	0.019 U

TAL Metals (mg/kg)	NYSDEC SCOs			RD-10 Original Sample Location - RCRA Excavation							
				Supplemental Endpoint Samples							
				Side-wall Samples							
	Unrestricted	Residential	Protection of Groundwater	RD-EP#93 (4)	RD-EP#94 (4)	RD-EP#95 (4)	RD-EP#96 (4)	RD-EP#97 (4)	RD-EP#98 (4)	RD-EP#107 (4)	RD-EP#108 (4)
Aluminum	NA	NA	NA	6,080	4,300	5,010	9,180	9,020	7,970	3,210	8,080
Antimony	NA	NA	NA	4.5 U	4.0 U	4.4 U	4.7 U	3.9 U	4.2 U	4.2 U	4.5 U
Arsenic	13	16	16	2.0 J	0.90 J	2.5 J	3.3 J	4.8	4.1	2.6 J	2.8 J
Barium	350	350	820	16.8 J	13.9 J	18.0 J	32.3 J	54.5	54.1	11.0 J	29.2 J
Beryllium	7.2	14	47	0.34 J	0.14 J	0.28 J	0.32 J	0.42	0.48	0.066 J	0.16 J
Cadmium	2.5	2.5	7.5	0.91 U	0.80 U	0.88 U	0.94 U	0.78 U	0.83 U	0.84 U	0.90 U
Calcium	NA	NA	NA	587 J	272 J	781 J	1,580	1,120	1,270	188 J	473 J
Chromium ¹	30	36	NS	8.4	8.6	13.1	16.3	15.6	15.9	7.6	13.9
Cobalt	NA	NA	NA	4.5 J	1.9 J	2.9 J	3.8 J	4.6 J	6.4 J	1.0 J	2.5 J
Copper	50	270	1,720	8.2	4.5 J	13.9	12.4	12.7	10.9	2.6 J	7.8
Iron	NA	NA	NA	10,200	4,430	14,200	12,900	10,200	12,600	8,660	9,760
Lead	63	400	450	4.3	2.5	22.3	22.1	6.8	6.2	2.4	5.0
Magnesium	NA	NA	NA	1,640 B	1,170 B	1,250 B	2,320 B	2,470 B	2,530 B	877 J B	2,210 B
Manganese	1,600	2,000	2,000	130	44.5	71.2	117	81.7	118	25.6	62.6
Nickel	30	140	130	7.3 J	5.0 J	5.6 J	9.2 J	9.3	10.3	3.3 J	7.4 J
Potassium	NA	NA	NA	551 J	425 J	766 J	858 J	757 J	838 J	317 J	722 J
Selenium	3.9	36	4	4.5 U	4.0 U	4.4 U	1.3 J	3.9 U	4.2 U	4.2 U	4.5 U
Silver	2	36	8.3	2.3 U	2.0 U	39.6	11.1	0.13 J	0.29 J	11.7	21.3
Sodium	NA	NA	NA	105 J	1,000 U	1,100 U	1,180 U	167 J	103 J	85.8 J	1,130 U
Thallium	NA	NA	NA	4.5 U	4.0 U	4.4 U	4.7 U	3.9 U	4.2 U	4.2 U	4.5 U
Vanadium	NA	NA	NA	11.9	6.2 J	16.5	21.6	22.1	22.5	8.2 J	19.4
Zinc	109	2,200	2,480	21.1	13.5	39.6	40.3	29.4	29.0	22.6	37.5
Mercury	0.18	0.81	0.73	0.020 U	0.020 U	0.019 J	0.031	0.019 U	0.015 J	0.014 J	0.019 U

Notes:
J : Sample result is greater than the MDL but below the CRDL
U : Indicates analyzed for but not detected.
B: Indicates analyte detected in blank.
¹ Trivalent chromium SCOs utilized.
Highlighted / bolded indicates analyte exceeded above its respective NYSDEC Unrestricted SCO.
Green / italicized value indicates analyte exceeded its respective unrestricted SCO but was below its respective Residential / Protection of GW SCO, whichever is lower.
NA - Not Available

Table 6-34
TAL Metals Soil Analytical Data
RD-10, RD-13 and RD-20 Original Sample Locations - Post Excavation Data

TAL Metals (mg/kg)	NYSDEC SCOs					RD-13 Original Sample Location - Post Excavation Data																
						End-point Soil Samples				Supplemental Endpoint Samples												
						Bottom Samples				Side-wall Samples				Bottom Samples				Side-wall Samples				
	Unrestricted	Residential	Restricted Residential	Commercial	Protection of Groundwater	RD-EP #22	RD-EP #23	RD-EP #24	RD-EP#25	RD-EP#50	RD-EP#51	RD-EP#52	RD-EP#46	RD-EP#47	RD-EP#48	RD-EP#49	RD-EP#73	RD-EP#74	RD-EP#77	RD-EP#78	RD-EP#79	RD-EP#80
	(2')	(2')	(2')	(2')	(2')	(2')	(2')	(2')	(2')	(2')	(2')	(2')	(4')	(4')	(4')	(4')	(4')	(4')	(6')	(6')	(6')	(6')
Aluminum	NA	NA	NA	NA	NA	8,760	7,440	13,800	16,500	15,200	11,500	7,260	11,800	12,400	11,700	19,500	8,570	9,440	1,090	1,110	1,260	15,200
Antimony	NA	NA	NA	NA	NA	3.4 U	0.88 U	1.2 U	1.8 U	4.0 U	3.9 U	4.2 U	3.5 U	20.5 U	4.3 U	4.3 U	4.3 U	4.8 U	4.4 U	4.7 U	4.3 U	
Arsenic	13	16	16	16	16	3.6	2.4 J	3.2	3.2 J	1.9 J	2.7 J	2.8 J	4.5	8.1 J	4.1	4.5	2.8 J	3.5 J	1.1 J	0.95 J	1.4 J	4.2
Barium	350	350	400	400	820	60.8	35.4 J	74.3	90.0	98.4	47.4	69.8	120	116 J	71.3	133	94.7	65.3	6.0 J	19.4 J	12.3 J	113
Beryllium	7.2	14	72	590	47	0.58	0.39 U	2.1 U	0.48 U	0.48	0.47	0.34 J	1.5	1.8 J	0.49	0.95	0.28 J	0.43 J	0.081 J	0.097 J	0.083 J	0.48
Cadmium	2.5	2.5	4.3	9.3	7.5	0.69 U	0.78 U	0.83 U	0.97 U	0.80 U	0.77 U	0.84 U	0.70 U	0.88 J	0.85 U	0.86 U	0.28 J	0.96 U	19.4	38.1	0.86	0.83 U
Calcium	NA	NA	NA	NA	NA	1,200	991	3,070	3,030	996 J	992	1,370	410 J	1,520 J	1,360	2,210	3,420	2,350	247 J	276 J	181 J	1,580
Chromium ¹	30	36	180	1,500	NS	13.6	14.5	26.4	34.9	33.6	15.9	12.9	28.5	27.8	21.9	42.3	12.7	16.7	3.3	3.0	3.8	31.0
Cobalt	NA	NA	NA	NA	NA	3.4 J	3.9 J	4.8 J	8.0 J	8.2 J	3.3 J	4.6 J	9.6	37.0 J	7.3 J	10 J	3.1 J	5.4 J	1.3 J	1.9 J	1.1 J	8.9 J
Copper	50	270	270	270	1,720	24.6	11.4	21.0	23.1	20.0	19.0	15.0	19.6	29.7	15.1	30.9	17.5	16.4	2.5 J	2.7 J	2.0 J	40.8
Iron	NA	NA	NA	NA	NA	16,000	11,500	17,600	30,800	26,300	13,900	9,970	29,100	22,700	18,100	34,600	6,910	13,500	5,200	6,610	4,860	21,900
Lead	63	400	400	1,000	450	76.9	49.2	86.9	61.4	9.3	98.1	91.0	9.2	12.0	9.2	14.9	424	98.2	1.2 J	1.5 J	1.1 J	277
Magnesium	NA	NA	NA	NA	NA	1,660	1,720	3,370	4,940	3,890	1,840	1,740	3,850	4,150 J	3,540	5,950	1,500 B	2,510 B	400 J	385 J	338 J	4,310
Manganese	1,600	2,000	2,000	10,000	2,000	93.9	122	105	224	242	68.6	145	167	199	218	274	146	250	63.6	118	102	129
Nickel	30	140	310	3,000	130	9.8	8.9	14.0	18.9	17.4	10.2	9.1	18.3	24.5 J	12.6	22.6	7.7 J	11.2	3.0 J B	3.4 J B	2.8 J B	20.0 B
Potassium	NA	NA	NA	NA	NA	352 J	692 J	1,340	2,230	2,220	346 J	687 J	2,010	1,870 J	1,240	2,980	592 J	854 J	248 J	269 J	208 J	2,330
Selenium	3.9	36	180	1,500	4	3.4 U	3.9 U	4.2 U	4.8 U	4.0 U	3.9 U	4.2 U	8.8 U	20.5 U	4.3 U	4.3 U	4.3 U	4.8 U	4.4 U	4.7 U	4.3 U	4.1 U
Silver	2	36	180	1,500	8.3	394	77.8	1,340	75.7	2.0 U	7.5	78.8	1.7 J	4.8	2.1 U	2.1 U	5.2	27.3	2.2 U	2.4 U	2.1 U	164
Sodium	NA	NA	NA	NA	NA	489 J	129 J	555 J	1,170 J	552 J	476 J	232 J	568 J	734 J	334 J	294 J	1,070 U	116 J	1,100 U	1,190 U	1,070 U	550 J
Thallium	NA	NA	NA	NA	NA	3.4 U	3.9 U	4.2 U	4.8 U	4.0 U	3.9 U	4.2 U	3.5 U	20.5 U	4.3 U	4.3 U	4.3 U	4.8 U	4.4 U	4.7 U	4.3 U	4.1 U
Vanadium	NA	NA	NA	NA	NA	18.6	15.9	18.1	41.6	29.8	24.9	16.1	41.4	44.3 J	28.0	51.5	13.3	21.6	3.5 J	3.9 J	3.6 J	30.2
Zinc	109	2,200	10,000	10,000	2,480	146	79.0	171	355	112	185	114	133	508	36.2	60.5	183	84.7	24.2	10.4	5.0 J	976
Mercury	0.18	0.81	0.81	2.8	0.73	0.022	0.070	0.15	0.038	0.020 U	0.063	0.085	0.019 U	0.019 U	0.020 U	0.021 U	0.19	0.055	0.020 U	0.021 U	0.020 U	0.019 J

TAL Metals (mg/kg)	NYSDEC SCOs					RD-13 Original Sample Location - Post Excavation Data				
						Supplemental Endpoint Samples				
						Side-wall Samples		Bottom Samples		
	Unrestricted	Residential	Restricted Residential	Commercial	Protection of Groundwater	RD-EP#99	RD-EP#100	RD-EP#101	RD-EP#105	RD-EP#106
Aluminum	NA	NA	NA	NA	NA	4,620	4,750	2,950	6,640	7,780
Antimony	NA	NA	NA	NA	NA	4.5 U	4.3 U	4.1 U	3.8 U	4.1 U
Arsenic	13	16	16	16	16	3.2 J	2.8 J	5.4	3.0	3.6
Barium	350	350	400	400	820	149	51.3	751	23.0 J	30.2 J
Beryllium	7.2	14	72	590	47	0.24 J	0.24 J	0.16 J	0.16 J	0.19 J
Cadmium	2.5	2.5	4.3	9.3	7.5	0.15 J	0.86 U	0.41 J	0.77 U	0.28 J
Calcium	NA	NA	NA	NA	NA	7,650	3,220	30,500	447 J	555 J
Chromium ¹	30	36	180	1,500	NS	11.6	10.2	8.0	10.3	13.7
Cobalt	NA	NA	NA	NA	NA	2.7 J	2.7 J	2.1 J	1.8 J	3.0 J
Copper	50	270	270	270	1,720	32.1	13.6	16.3	5.3	7.2
Iron	NA	NA	NA	NA	NA	7,750	7,630	7,560	9,470	6,260
Lead	63	400	400	1,000	450	242	125	969	5.0	5.0
Magnesium	NA	NA	NA	NA	NA	1,580 B	1,380 B	1,650 B	1,360 B	1,610 B
Manganese	1,600	2,000	2,000	10,000	2,000	201	109	140	42.0	47.7
Nickel	30	140	310	3,000	130	6.4 J	6.4 J	4.6 J	5.6 J	6.7 J
Potassium	NA	NA	NA	NA	NA	493 J	481 J	405 J	509 J	593 J
Selenium	3.9	36	180	1,500	4	4.5 U	4.3 U	4.1 U	3.8 U	4.1 U
Silver	2	36	180	1,500	8.3	1.4 J	1.2 J	1.4 J	106	105
Sodium	NA	NA	NA	NA	NA	1,120 U	1,070 U	108 J	960 U	1,020 U
Thallium	NA	NA	NA	NA	NA	4.5 U	4.3 U	4.1 U	3.8 U	4.1 U
Vanadium	NA	NA	NA	NA	NA	13.0	14.4	8.6 J	15.4	11.9
Zinc	109	2,200	10,000	10,000	2,480	111	98.0	567	42.2	117
Mercury	0.18	0.81	0.81	2.8	0.73	0.19	0.35	0.21	0.013 J	0.014 J

Notes:
J : Sample result is greater than the MDL but below the CRDL
U : Indicates analyzed for but not detected.
¹ Trivalent chromium SCOs utilized.
Highlighted / bolded indicates analyte exceeded above its respective NYSDEC Unrestricted SCO.
Green / italicized value indicates analyte exceeded its respective unrestricted SCO but was below its respective Residential / Protection of GW SCO, whichever is lower.
Blue / italicized value indicates analyte exceeded its respective Residential SCO and / or Protection of Groundwater SCO but was below its Restricted Residential SCO.
Pink / italicized value indicates analyte exceeded its respective Residential SCO and / or Protection of Groundwater SCO but was below its Commercial SCO.
NA - Not Available

B - Analyte detected in method blank



Table 6-34
Preliminary TAL Metals Soil Analytical Data
RD-10, RD-13 and RD-20 Original Sample Locations - Post Excavation Data

TAL Metals (mg/kg)	NYSDEC SCOs			RD-20 Original Sample Location - Post Excavation Data																	
				End-Point Soil Samples						Supplemental Endpoint Samples			Supplemental Endpoint Samples						Supplemental Endpoint Samples		
				Side-wall Samples				Bottom Samples		Side-wall Samples			Side-wall Samples						Side-wall Samples		
	Unrestricted	Residential	Protection of Groundwater	RD-EP#26 (1')	RD-EP#29 (1')	RD-EP#30 (1')	RD-EP#31 (1')	RD-EP#27 (7')	RD-EP#28 (7')	RD-EP#57 (1')	RD-EP#58 (1')	RD-EP#59 (1')	RD-EP#87 (1')	RD-EP#88 (1')	RD-EP#89 (1')	RD-EP#90 (1')	RD-EP#91 (1')	RD-EP#92 (1')	RD-EP#102 (1')	RD-EP#103 (1')	RD-EP#104 (1')
Aluminum	NA	NA	NA	7,440	4,830	5,100	4,950	6,280	7,010	7,360	14,300	6150	7,500	9,630	10,600	4,910	3,290	13,100	10,900	11,000	7,300
Antimony	NA	NA	NA	4.0 U	4.0 U	4.0 U	4.0 U	4.4 U	4.6 U	3.8 U	4.0 U	4.0 U	3.9 U	4.4 U	4.5 U	3.8 U	4.1 U	4.2 U	4.5 U	4.1 U	3.8 U
Arsenic	13	16	16	2.9 J	1.1 J	1.9 J	1.7 J	1.7 J	1.8 J	3.3	3.9	7.1	2.3 J	2.8 J	3.1 J	3.2	2.4 J	5.2	4.7	2.1 J	3.5
Barium	350	350	820	37.8 J	27.1 J	30.6 J	23.5 J	39.2 J	42.8 J	36.7 J	63.1	89.1	32.2 J	38.8 J	46.2	26.8 J	28.3 J	34.6 J	75.4	56.4	36.4 J
Beryllium	7.2	14	47	0.22 J	0.40 U	0.40 U	0.40 U	0.44 U	0.46 U	0.29 J	0.41	0.36 J	0.20 J	0.39 J	0.34 J	0.31 J	0.20 J	0.51	0.55	0.37 J	0.31 J
Cadmium	2.5	2.5	7.5	0.81 U	0.79 U	0.79 U	0.80 U	0.88 U	0.92 U	0.75 U	0.80 U	0.34 J	0.79 U	0.25 J	0.90 U	0.77 U	0.82 U	0.75 J	0.90 U	0.81 U	0.77 U
Calcium	NA	NA	NA	3,750	562 J	1,610	470 J	1,400	1,220	2,170	1800	13300	446 J	1,570	1,670	3,130	480 J	2,570	1,980	1,230	1,100
Chromium ³	30	36	NS	17.8	11.8	9.8	9.4	11.4	15.5	13.1	22.4	13.8	14.3	16.1	18.5	11.0	6.7	17.4	33.5	17.8	12.9
Cobalt	NA	NA	NA	4.1 J	3.1 J	3.3 J	3.7 J	3.5 J	3.2 J	4.1 J	5.1 J	3.6 J	2.2 J	4.7 J	4.5 J	2.8 J	2.4 J	16.8	7.9 J	4.2 J	3.7 J
Copper	50	270	1,720	13.4	4.9	11.1	8.5	9.0	9.5	11.4	18.6	18.7	9.2	11.1	12.7	8.5	4.9 J	13.4	26.3	12.1	11.4
Iron	NA	NA	NA	11,000	8,120	9,700	6,890	11,000	11,600	12,000	17,300	10400	14,700	19,600	14,100	9,990	6,470	18,600	25,200	12,500	10,100
Lead	63	400	450	53.9	5.8	74.2	737	5.5	6.8	51.9	59.6	154	5.8	44.7	28.3	12.9	6.4	10.8	53.1	32.0	64.3
Magnesium	NA	NA	NA	2,110	1,170	1,320	1,180	2,240	2,280	1,710	2680	1660	1,630	2,140	2,610	1,600	867 J	2,520	4,960 B	2,520 B	1,760 B
Manganese	1,600	2,000	2,000	163	133	133	156	135	101	165	122	359	68.4	159	108	144	118	839	205	112	133
Nickel	30	140	130	10.0	6.0 J	6.9 J	7.1 J	8.9	9.4	9.4	11.8	11.1	6.6 J B	10.4 B	11.4 B	7.0 J B	4.7 J B	11.2 B	18.5	9.8	8.4
Potassium	NA	NA	NA	777 J	1,380	494 J	434 J	739 J	512 J	624 J	833 J	569 J	1,200	845 J	1,230	882 J	471 J	627 J	2,890	1,090	773 J
Selenium	3.9	36	4	4.0 U	4.0 U	4.0 U	4.0 U	4.4 U	4.6 U	3.8 U	1.5 J	4.0 U	3.9 U	4.4 U	4.5 U	3.8 U	4.1 U	4.2 U	4.5 U	4.1 U	3.8 U
Silver	2	36	8.3	5.4	2.0 U	8.9	5.1	2.2 U	2.3 U	25.6	86.7	19.9	125	4.2	122	0.24 J	2.0 U	2.1 U	3.9	11.2	44.5
Sodium	NA	NA	NA	209 J	988 U	85.6 J	91.8 J	1,100 U	104 J	183 J	443 J	243 J	93.9 J	377 J	445 J	90.5 J	84.5 J	1,050 U	455 J	788 J	109 J
Thallium	NA	NA	NA	4.0 U	4.0 U	4.0 U	4.0 U	4.4 U	4.6 U	3.8 U	4.0 U	4.0 U	3.9 U	4.4 U	4.5 U	3.8 U	4.1 U	1.1 J	4.5 U	4.1 U	3.8 U
Vanadium	NA	NA	NA	24.3	7.0 J	13.2	10.6	17.4	21.6	17.1	29.7	22.1	21.4	21.7	21.2	12.3	8.5 J	29.1	45.4	22.8	17.2
Zinc	109	2,200	2,480	45.7	14.7	45.5	30.8	25.8	29.0	65.7	83.4	181	35.3	166	81.4	46.3	13.7	433	75.2	71.3	62.7
Mercury	0.18	0.81	0.73	0.064	0.099	0.087	0.034	0.018 U	0.019 U	0.059	0.054	0.28	0.042	0.056	0.015 J	0.021	0.019 U	0.020 U	0.36	0.14	0.17

Notes
J : Sample result is greater than the MDL but below the CRDL
U : Indicates analyzed for but not detected.
³ Trivalent chromium SCOs utilized.
Highlighted / bolded indicates analyte exceeded above its respective NYSDEC Unrestricted SCO.
Green / italicized value indictes analyte exceeded its repsective unrestricted SCO but was below its respective Residential / Protection of GW SCO, whichever is lower.
NA - Not Available
Indicates that sample locations were removed as part of supplemental soil excavation activities.

Table 6-34
Preliminary TAL Metals Soil Analytical Data
RD-10, RD-13 and RD-20 Original Sample Locations - Post Excavation Data

TAL Metals (mg/kg)	NYSDEC SCOs					RD-10, RD-13 and RD-20 Original Sample Locations											
						Endpoint Soil Samples											
						Co-located Bottom and Sidewall Samples											
						RD-EP#117	RD-EP#118	RD-EP#119	RD-EP#120	RD-EP#121	RD-EP#122	RD-EP#123	RD-EP#124	RD-EP#125	RD-EP#126	RD-EP#127	RD-EP#128
	Unrestricted	Residential	Restricted Residential	Commercial	Protection of Groundwater	(10')	(10')	(10')	(10')	(10')	(10')	(10')	(4')	(1')	(4')	(1')	(4')
Aluminum	NA	NA	NA	NA	NA	6,980	7,510	1,940	6,520	3,140	747	726	6,800	7,620	8,700	6,910	5,820
Antimony	NA	NA	NA	NA	NA	4.5 U	4.3 U	4.6 U	4.7 U	4.0 U	3.9 U	4.8 U	4.4 U	4.3 U	4.3 U	4.6 U	4.4 U
Arsenic	13	16	16	16	16	3.2 J	1.8 J	1.0 J	3.5 J	1.2 J	2.9 U	3.6 U	2.1 J	2.8 J	2.4 J	3.0 J	3.3
Barium	350	350	400	400	820	38.2 J	42.8	7.4 J	27.6 J	13.6 J	5.1 J	3.7 J	27.2 J	36.2 J	28.9 J	34.7 J	24.9 J
Beryllium	7.2	14	72	590	47	0.45 U	0.43 U	0.46 U	0.40 J	0.40 U	0.39 U	0.48 U	0.44 U	0.43 U	0.43 U	0.46 U	0.44 U
Cadmium	2.5	2.5	4.3	9.3	7.5	0.90 U	0.86 U	0.92 U	0.95 U	0.81 U	0.96 U	0.96 U	0.88 U	0.86 U	0.86 U	0.57 J	0.89 U
Calcium	NA	NA	NA	NA	NA	1,150	1,360	134 J	863 J	108 J	969 U	1,200 U	1,010 J	841 J	687 J	1,980	248 J
Chromium ¹	30	36	180	1,500	NS	14.4	16.6	3.3	13.9	5.9	2.1	1.4 J	11.1	13.3	11.4	12.5	10.2
Cobalt	NA	NA	NA	NA	NA	3.9 J	2.7 J	1.3 J	4.8 J	2.3 J	1.7 J	12.0 U	3.0 J	3.2 J	2.4 J	3.8 J	1.5 J
Copper	50	270	270	270	1,720	12.0	9.3	2.7 J	7.8	4.9 J	4.8 U	6.0 U	7.0	10.7	7.6	11.5	5.1 J
Iron	NA	NA	NA	NA	NA	8,670	12,800	4,240	18,300	6,050	3,270	1,980	7,880	12,400	7,530	10,500	7,650
Lead	63	400	400	1,000	450	6.8	6.2	2.2 J	4.4	2.2	1.9 U	2.4 U	5.2	34.6	5.2	70.2	4.4
Magnesium	NA	NA	NA	NA	NA	2,050	2,200	306 J	1,740	733 J	181 J	194 J	1,390	1,750	1,980	2,760	1,350
Manganese	1,600	2,000	2,000	10,000	2,000	84.4	127	115	232	127	112	30.0	90.0	118	66.9	274	43.3
Nickel	30	140	310	310	130	8.8 J	8.6	2.3 J	14.4	4.3 J	7.8 U	9.6 U	5.8 J	8.1 J	7.3 J	8.1 J	5.1 J
Potassium	NA	NA	NA	NA	NA	639 J	584 J	164 J	522 J	253 J	95 J	107 J	405 J	789 J	639 J	745 J	567 J
Selenium	3.9	36	180	1,500	4	4.5 U	4.3 U	4.6 U	4.7 U	4.0 U	3.9 U	4.8 U	4.4 U	4.3 U	4.3 U	4.6 U	4.4 U
Silver	2	36	180	1,500	8.3	2.3 U	2.1 U	2.3 U	2.4 U	2.0 U	1.9 U	2.4 U	2.2 U	79.6	9.3	190	101
Sodium	NA	NA	NA	NA	NA	146 J	1,070 U	1,150 U	180 J	1,010 U	969 U	1,200 U	1,090 U	1,080 U	1,070 U	1,140 U	1,110 U
Thallium	NA	NA	NA	NA	NA	4.5 U	4.3 U	4.6 U	4.7 U	4.0 U	3.9 U	4.8 U	4.4 U	4.3 U	4.3 U	4.6 U	4.4 U
Vanadium	NA	NA	NA	NA	NA	19.3	20.7	5.6 J	19.9	8.5 J	2.1 J	1.6 J	13.4	17.1	12.0	16.0	16.1
Zinc	109	2,200	10,000	10,000	2,480	33.1	26.7	7.2	21.7	12.6	3.1 J	3.5 J	24.3	47.7	38.6	61.8	28.7
Mercury	0.18	0.81	0.81	2.8	0.73	0.020 U	0.019 U	0.021 U	0.020 U	0.020 U	0.017 U	0.020 U	0.019 U	0.065	0.020 U	0.088	0.019 U

TAL Metals (mg/kg)	NYSDEC SCOs					RD-10, RD-13 and RD-20 Original Sample Locations												
						Endpoint Soil Samples												
						Co-located Bottom and Sidewall Samples												
						RD-EP#129	RD-EP#130	RD-EP#131	RD-EP#132	RD-EP#133	RD-EP#134	RD-EP#135	RD-EP#136	RD-EP#137	RD-EP#138	RD-EP#139	RD-EP#140	RD-EP#141
Unrestricted	Residential	Restricted Residential	Commercial	Protection of Groundwater	(1')	(6')	(6')	(4')	(1')	(4')	(1')	(4')	(1')	(4')	(1')	(4')	(1')	
Aluminum	NA	NA	NA	NA	NA	10,100	4,520	4,640	10,300	9,040	7,750	9,380	6,640	10,700	8,080	5,410	3,200	5,730
Antimony	NA	NA	NA	NA	NA	4.6 U	4.4 U	4.1 U	4.4 U	3.9 U	4.3 U	4.1 U	4.3 U	4.2 U	4.2 U	4.5 U	4.2 U	4.2 U
Arsenic	13	16	16	16	16	4.5	3.3 U	1.1 J	2.4 J	2.7 J	1.6 J	3.3	1.8 J	2.6 J	4.3	2.7 J	2.8 J	3.4
Barium	350	350	400	400	820	46.4	17.7 J	15.4 J	28.4 J	37.4 J	16.9 J	33.0 J	23.5 J	34.0 J	96.1	75.4	139	39.2 J
Beryllium	7.2	14	72	590	47	0.46 U	0.44 U	0.41 U	0.44 U	0.39 U	0.43 U	0.41 U	0.43 U	0.33 J	0.42	0.45 U	0.42 U	0.42 U
Cadmium	2.5	2.5	4.3	9.3	7.5	0.92 U	0.87 U	0.81 U	0.89 U	0.79 U	0.86 U	0.82 U	0.86 U	0.84 U	0.84 U	0.89 U	0.85 U	0.85 U
Calcium	NA	NA	NA	NA	NA	1,410	152 J	174 J	511 J	993	246 J	822 J	378 J	987 J	2,230	1,770	7,390	26,700
Chromium ¹	30	36	180	1,500	NS	16.6	7.4	12.5	14.7	15.4	13.4	15.0	11.3	16.2	19.5	11.3	8.5	10.1
Cobalt	NA	NA	NA	NA	NA	4.7 J	1.3 J	3.1 J	3.9 J	3.9 J	2.8 J	3.8 J	3.3 J	4.0 J	7.2 J	2.9 J	2.2 J	3.2 J
Copper	50	270	270	270	1,720	15.0	4.6 J	5.5	11.7	12.1	7.2	10.4	6.4	8.8	26.8	15.1	8.1	12.4
Iron	NA	NA	NA	NA	NA	14,400	5,660	7,160	12,500	13,000	9,230	12,500	7,330	12,600	19,800	9,500	8,950	9,230
Lead	63	400	400	1,000	450	45.5	3.2	3.6	9.2	41.1	4.9	22.6	4.6	17.1	55.1	192	230	115
Magnesium	NA	NA	NA	NA	NA	2,210	983 J	1,140	2,170	2,010	1,870	2,040	1,570	2,260	2,930	1,140	1,570	15,200
Manganese	1,600	2,000	2,000	10,000	2,000	163	33.9	72.6	115	130	72.7	124	88.7	127	441	178	104	175
Nickel	30	140	310	310	130	10.2	4.2 J	4.4 J	8.5 J	8.9	7.2 J	8.6	5.9 J	9.2	19.1	7.5 J	6.8 J	7.9 J
Potassium	NA	NA	NA	NA	NA	1,120 J	401 J	403 J	668 J	816 J	389 J	765 J	404 J	879 J	1,890	488 J	491 J	543 J
Selenium	3.9	36	180	1,500	4	4.6 U	4.4 U	4.1 U	4.4 U	3.9 U	4.3 U	4.1 U	4.3 U	4.2 U	4.2 U	4.5 U	4.2 U	4.2 U
Silver	2	36	180	1,500	8.3	6.7	25.4	2.0 U	1.7 J	18.2	2.1 U	26.9	2.1 U	2.8	1.5 J	3.5	2.2	30.5
Sodium	NA	NA	NA	NA	NA	140 J	1,090 U	1,010 U	92 J	125 J	1,070 U	1,030 U	1,070 U	1,050 U	1,050 U	1,120 U	1,060 U	1,060 U
Thallium	NA	NA	NA	NA	NA	4.6 U	4.4 U	4.1 U	4.4 U	3.9 U	4.3 U	4.1 U	4.3 U	4.2 U	4.2 U	4.5 U	4.2 U	4.2 U
Vanadium	NA	NA	NA	NA	NA	22.0	7.4 J	9.6 J	19.1	19.2	15.9	19.9	13.5	20.9	24.0	15.1	8.0 J	15.0
Zinc	109	2,200	10,000	10,000	2,480	50.9	15.6	20.0	34.6	60.4	20.4	40.7	16.6	32.4	83.0	106	167	59.6
Mercury	0.18	0.81	0.81	2.8	0.73	0.11	0.025	0.016 J	0.019 U	0.065	0.014 J	0.050	0.017 U	0.016 J	0.24	0.15	0.044	0.063

Notes
J : Sample result is greater than the MDL but below the CRDL
U : Indicates analyzed for but not detected.
¹ Trivalent chromium SCOs utilized.
Highlighted / bolded indicates analyte exceeded above its respective NYSDEC Unrestricted SCO.
Green / italicized value indicates analyte exceeded its respective unrestricted SCO but was below its respective Residential / Protection of GW SCO, whichever is lower.
Blue / italicized value indicates analyte exceeded its respective Residential SCO and / or Protection of Groundwater SCO but was below its Restricted Residential SCO.
Pink / italicized value indicates analyte exceeded its respective Residential SCO and / or Protection of Groundwater SCO but was below its Commercial SCO.
NA - Not Available

Indicates that sample locations were removed as part of supplemental soil excavation activities.

Table 6-35
TAL Metals Soil Analytical Data
RD-17 Original Sample Location - Post Excavation Data

TAL Metals (mg/kg)	NYSDEC SCOs			RD-17 Original Sample Location - Post Excavation Data								
				End-point Soil Samples				Supplemental Endpoint Samples				
				Side-wall Samples		Bottom Samples		Side-wall Samples		Bottom Samples		
	Unrestricted	Residential	Protection of Groundwater	RD-EP#8 (1')	RD-EP#9 (1')	RD-EP#10 (1')	RD-EP#6 (2')	RD-EP#7 (2')	RD-EP#55 (2')	RD-EP#56 (2')	RD-EP#53 (4')	RD-EP#54 (4')
Aluminum	NA	NA	NA	9,980	8,500	7,700	11,600	10,900	9,730	3,620	9,620	2,690
Antimony	NA	NA	NA	1.1 J	3.6 U	3.9 U	3.8 U	3.8 U	3.9 U	3.5 U	3.7 U	4.2 U
Arsenic	13	16	16	5.7	2.6 J	3.6	4.4	3.1	3.0	0.90 J	3.0	1.3 J
Barium	350	350	820	53.3	33.7 J	39.3	44.7	48.4	65.9	12.5 J	84.3	10.3 J
Beryllium	7.2	14	47	0.39 U	0.36 U	0.39 U	0.38 U	0.38 U	0.38 J	0.19 J	0.42	0.13 J
Cadmium	2.5	2.5	7.5	0.78 U	0.72 U	0.77 U	0.76 U	0.77 U	0.78 U	0.70 U	0.74 U	0.84 U
Calcium	NA	NA	NA	1,190	9,860	4,150	995	1,450	1,920	513 J	1,460	164 J
Chromium ¹	30	36	NS	17.7	12.0	14.4	18.0	18.3	15.4	6.3	20.0	4.0
Cobalt	NA	NA	NA	5.8 J	3.5 J	4.7 J	5.4 J	5.7 J	5.4 J	3.1 J	6.9 J	3.8 J
Copper	50	270	1,720	25.6	8.8	13.1	14.0	13.1	10.7	5.0	18.9	4.1 J
Iron	NA	NA	NA	23,200	10,600	12,000	18,300	15,900	16,500	6,090	16,500	4,240
Lead	63	400	450	156	16.6	34.0	52.0	23.7	22.1	2.7	201	2.4
Magnesium	NA	NA	NA	2,320	1,920	2,080	3,010	2,890	2,270	884	2,630	515 J
Manganese	1,600	2,000	2,000	212	126	155	156	187	194	90.0	322	79.7
Nickel	30	140	130	12.3	7.7	10.4	11.2	10.7	9.1	5.5 J	12.5	4.0 J
Potassium	NA	NA	NA	983	1,270	868 J	824 J	986	604 J	352 J	1,310	183 J
Selenium	3.9	36	4	3.9 U	3.6 U	3.9 U	3.8 U	3.8 U	3.9 U	3.5 U	3.7 U	4.2 U
Silver	2	36	8.3	18.1	0.35 J	4.5	44.4	5.9	7.6	1.7 U	92.4	2.1 U
Sodium	NA	NA	NA	154 J	337 J	195 J	288 J	457 J	221 J	873 U	296 J	1,050 U
Thallium	NA	NA	NA	3.9 U	3.6 U	3.9 U	3.8 U	3.8 U	3.9 U	3.5 U	3.7 U	4.2 U
Vanadium	NA	NA	NA	22.4	16.2	18.2	24.1	24.2	22.8	7.5 J	24.0	5.4 J
Zinc	109	2,200	2,480	136	24.3	44.4	113	45.2	46.5	8.7	205	6.9
Mercury	0.18	0.81	0.73	0.052	0.031	0.057	0.054	0.032	0.021	0.017 U	0.020 U	0.020 U

TAL Metals (mg/kg)	NYSDEC SCOs			RD-17 Original Sample Location - Post Excavation Data													
				Supplemental Endpoint Samples						Supplemental Endpoint Samples			Supplemental Endpoint Samples				
				Side-wall Samples		Bottom Samples				Bottom Samples			Co-located Bottom / Sidewall Samples				
	Unrestricted	Residential	Protection of Groundwater	RD-EP#81	RD-EP#82	RD-EP#83	RD-EP#84	RD-EP#85	RD-EP#86	RD-EP#109	RD-EP#110	RD-EP#111	RD-EP#112	RD-EP#113	RD-EP#114	RD-EP#115	RD-EP#116
			(2')	(2')	(6')	(6')	(6')	(6')	(8')	(8')	(8')	(2')	(4')	(6')	(4')	(6')	
Aluminum	NA	NA	NA	3,580	2,380	1,760	8,670	7,750	3,180	851	688	992	12,500	2,450	2,290	8,280	3,780
Antimony	NA	NA	NA	4.0 U	3.6 U	3.8 U	4.4 U	4.1 U	4.5 U	4.4 U	4.3 U	4.4 U	4.3 U	3.9 U	4.0 U	4.0 U	4.3 U
Arsenic	13	16	16	7.5	0.79 J	2.9 U	2.0 J	9.7	1.5 J	0.68 J	0.84 J	3.3 U	2.9 J	2.9 U	1.1 J	4.0	0.99 J
Barium	350	350	820	12.8 J	9.7 J	6.3 J	36.8 J	27.8 J	10.5 J	3.6 J	2.7 J	3.5 J	41.8 J	13.8 J	11.3 J	37.1 J	32.3 J
Beryllium	7.2	14	47	0.17 J	0.14 J	0.094 J	0.34 J	0.69	0.20 J	0.084 J	0.071 J	0.065 J	0.46	0.39 U	0.40 U	0.33 J	0.43 U
Cadmium	2.5	2.5	7.5	0.79 U	0.71 U	0.77 U	0.87 U	0.82 U	0.89 U	0.88 U	0.86 U	0.88 U	0.86 U	0.78 U	0.80 U	0.80 U	0.87 U
Calcium	NA	NA	NA	209 J	314 J	127 J	2,010	780 J	272 J	105 J	75.8 J	80.0 J	556 J	341 J	463 J	2,730	1,090
Chromium ¹	30	36	NS	6.4	4.4	3.9	13.0	17.9	6.2	1.8 J	2.0 J	2.4	17.2	4.0	4.3	16.3	5.8
Cobalt	NA	NA	NA	2.6 J	2.1 J	3.1 J	5.2 J	14.1	1.9 J	0.98 J	0.50 J	0.60 J	6.6 J	1.6 J	3.5 J	4.3 J	2.6 J
Copper	50	270	1,720	4.4 J	3.8 J	3.5 J	12.1	13.7	5.4 J	1.8 J	1.6 J	2.2 J	11.8	3.8 J	4.9 J	11.0	6.0
Iron	NA	NA	NA	5,570	3,980	3,760	9,950	33,400	6,610	3,360	2,430	2,170	16,400	3,660	5,730	11,900	7,030
Lead	63	400	450	2.4	1.7 J	0.91 J	5.8	5.2	1.8 J	0.95 J	0.72 J	0.66 J	7.3	1.6 J	2.2	27.2	7.7
Magnesium	NA	NA	NA	779 J	600 J	555 J	2,710	1,480	1,160	166 J B	164 J	197 J	2,810	759 J	651 J	3,310	1,090
Manganese	1,600	2,000	2,000	138	102	157	184	662	101	87.9	50.4	42.7	189	113	136	165	319
Nickel	30	140	130	6.0 J B	4.5 J B	3.0 J B	11.9 B	8.6 B	5.1 J B	1.2 J	0.93 J	1.5 J	13.3	5.8 J	6.0 J	10.9	10.5
Potassium	NA	NA	NA	334 J	248 J	180 J	752 J	562 J	382 J	115 J	79.6 J	90.3 J	874 J	331 J	258 J	757 J	636 J
Selenium	3.9	36	4	4.0 U	3.6 U	3.8 U	4.4 U	4.1 U	4.5 U	4.4 U	4.3 U	4.4 U	4.3 U	3.9 U	4.0 U	4.0 U	4.3 U
Silver	2	36	8.3	2.0 U	1.8 U	1.9 U	7.3	27.3	2.2 U	0.13 J	2.2 U	2.2 U	2.1 U	2.0 U	2.0 U	2.9	1.7 J
Sodium	NA	NA	NA	991 U	894 U	961 U	176 J	448 J	1,120 U	1,100 U	1,080 U	1,100 U	101 J	979 U	1,000 U	177 J	1,080 U
Thallium	NA	NA	NA	4.0 U	3.6 U	3.8 U	4.4 U	4.1 U	4.5 U	4.4 U	4.3 U	4.4 U	4.3 U	3.9 U	4.0 U	4.0 U	4.3 U
Vanadium	NA	NA	NA	7.8 J	5.3 J	3.8 J	15.3	23.6	7.8 J	2.4 J	2.3 J	2.1 J	25.7	4.4 J	5.7 J	19.6	7.7 J
Zinc	109	2,200	2,480	8.3	6.5	5.6 J	30.1	26.7	10.4	3.5 J	2.8 J	3.3 J	31.7	7.6	7.1	32.3	19.7
Mercury	0.18	0.81	0.73	0.070	0.016 J	0.019 U	0.12	0.067	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.017 U	0.018 U	0.039	0.041

J : Sample result is greater than the MDL but below the CRDL
U : Indicates analyzed for but not detected.
¹ Trivalent chromium SCOs utilized.
Highlighted / bolded indicates analyte exceeded above its respective NYSDEC Unrestricted SCO.
Green / italicized value indictes analyte exceeded its repsective unrestricted SCO but was below its respective Residential / Protection of GW SCO, whichever is lower.
NA - Not Available

Indicates that sample locations were removed as part of supplemental soil excavation activities.



Table 6-36
TAL Metals Soil Analytical Data
BLDG2-EarthenPits Original Sample Location - Post Excavation Data

TAL Metals (mg/kg)	NYSDEC SCOs			Post-excavation End-point Soil Analytical Data						
				Bldg2-EarthenPits Original Sample Location				Supplemental Endpoint Samples		
				Side-wall Samples				Bottom Sample	Side-wall Samples	
	Unrestricted	Residential	Protection of Groundwater	RD-EP#33 (2')	RD-EP#34 (2')	RD-EP#35 (2')	RD-EP#36 (2')	RD-EP#32 (4')	RD-EP#60 (2')	RD-EP#61 (4')
Aluminum	NA	NA	NA	7,970	6,830	11,800	9,100	8,060	11,400	10,200
Antimony	NA	NA	NA	4.1 U	3.8 U	3.7 U	4.4 U	4.5 U	4.0 U	3.6 U
Arsenic	13	16	16	3.1	1.8 J	1.8 J	2.4 J	3.0 J	5.5	3.3
Barium	350	350	820	39.5 J	20.7 J	34.7 J	40.4 J	44.7	31.9 J	26.5 J
Beryllium	7.2	14	47	0.44	0.29 J	0.42	0.52	0.52	0.44	0.37
Cadmium	2.5	2.5	7.5	0.83 U	0.77 U	0.73 U	0.88 U	0.89 U	0.81 U	0.72 U
Calcium	NA	NA	NA	1,590	330 J	838 J	983 J	1,330	662 J	575 J
Chromium ¹	30	36	NS	17.6	10.0	14.4	14.4	13.4	14.2	13.4
Cobalt	NA	NA	NA	4.7 J	3.8 J	3.9 J	4.3 J	7.2 J	4.1 J	2.9 J
Copper	50	270	1,720	11.8	7.0	8.8	9.4	10.3	10.9	8.0
Iron	NA	NA	NA	11,800	7,920	11,600	11,100	10,800	13,000	12,600
Lead	63	400	450	31.3	7.5	7.3	9.0	6.0	9.7	6.2
Magnesium	NA	NA	NA	2,690	1,600	2,230	2,340	2,280	2,420	1,700
Manganese	1,600	2,000	2,000	195	111	108	150	169	123	103
Nickel	30	140	130	11.1	6.1 J	8.5	8.9	10.2	9.9	7.6
Potassium	NA	NA	NA	2070	566 J	557 J	602 J	557 J	1,080	921
Selenium	3.9	36	4	4.1 U	3.8 U	3.7 U	4.4 U	4.5 U	0.96 J	3.6 U
Silver	2	36	8.3	4.6	1.7 J	1.8 U	0.45 J	2.2 U	2.0 U	1.8 U
Sodium	NA	NA	NA	575 J	960 U	125 J	121 J	109 J	187 J	161 J
Thallium	NA	NA	NA	4.1 U	3.8 U	3.7 U	4.4 U	4.5 U	4.0 U	3.6 U
Vanadium	NA	NA	NA	19.4	12.7	19.7	19.8	21.9	32.1	21.0
Zinc	109	2,200	2,480	47.3	28.3	36.7	32.1	32.1	29.6	20.8
Mercury	0.18	0.81	0.73	0.031	0.019 U	0.021 U	0.019 U	0.020 U	0.018 U	0.017 J

Notes

J : Sample result is greater than the MDL but below the CRDL

U : Indicates analyzed for but not detected.

¹ Trivalent chromium SCOs utilized.

Highlighted / bolded indicates analyte exceeded above its respective NYSDEC Unrestricted SCO.

NA - Not Available

Indicates that sample locations were removed as part of supplemental soil excavation activities.

Table 6-37a
TCL VOCs Soil Analytical Data
CM-7 and CM-8 Original Samples Locations - Post-excavation Data

TCL VOCs (mg/kg)	NYSDEC SCOs			CM-7 & CM-8 Sample Locations - Post-excavation End-point Soil Samples							
	NYSDEC Unrestricted SCO	Residential	Protection of Groundwater	Side-wall Samples					Bottom Samples		
				CM-EP#2	CM-EP#3	CM-EP#5	CM-EP#6	CM-EP#8	CM-EP#1	CM-EP#4	CM-EP#7
				(3')	(4')	(3')	(3')	(3')	(6')	(6')	(6')
1,1,1-Trichloroethane	0.68	100	0.68	0.0011 U	0.0013 U	0.00090 U	0.0013 U	0.0012 U	0.0010 U	0.0013 U	0.0011 U
1,1,2,2-Tetrachloroethane	NA	NA	NA	0.0011 U	0.0013 U	0.00090 U	0.0013 U	0.0012 U	0.0010 U	0.0013 U	0.0011 U
1,1,2-Trichloroethane	NA	NA	NA	0.0011 U	0.0013 U	0.00090 U	0.0013 U	0.0012 U	0.0010 U	0.0013 U	0.0011 U
1,1-Dichloroethane	0.27	19	0.27	0.0011 U	0.0013 U	0.00090 U	0.0013 U	0.0012 U	0.0010 U	0.0013 U	0.0011 U
1,1-Dichloroethene	0.33	100	0.33	0.0011 U	0.0013 U	0.00090 U	0.0013 U	0.0012 U	0.0010 U	0.0013 U	0.0011 U
1,2,3-Trichlorobenzene	NA	NA	NA	0.0011 U	0.0013 U	0.00090 U	0.0013 U	0.0012 U	0.0010 U	0.0013 U	0.0011 U
1,2,4-Trichlorobenzene	NA	NA	NA	0.0011 U	0.0013 U	0.00090 U	0.0013 U	0.0012 U	0.0010 U	0.0013 U	0.0011 U
1,2-Dibromo-3-Chloropropane	NA	NA	NA	0.0011 U	0.0013 U	0.00090 U	0.0013 U	0.0012 U	0.0010 U	0.0013 U	0.0011 U
1,2-Dibromoethane	NA	NA	NA	0.0011 U	0.0013 U	0.00090 U	0.0013 U	0.0012 U	0.0010 U	0.0013 U	0.0011 U
1,2-Dichlorobenzene	1.1	100	1.1	0.0011 U	0.0013 U	0.00090 U	0.0013 U	0.0012 U	0.0010 U	0.0013 U	0.0011 U
1,2-Dichloroethane	0.02	2.3	0.02	0.0011 U	0.0013 U	0.00090 U	0.0013 U	0.0012 U	0.0010 U	0.0013 U	0.0011 U
1,2-Dichloropropane	NA	NA	NA	0.0011 U	0.0013 U	0.00090 U	0.0013 U	0.0012 U	0.0010 U	0.0013 U	0.0011 U
1,3-Dichlorobenzene	2.4	17	2.4	0.0011 U	0.0013 U	0.00090 U	0.0013 U	0.0012 U	0.0010 U	0.0013 U	0.0011 U
1,4-Dichlorobenzene	1.8	9.8	1.8	0.0011 U	0.0013 U	0.00090 U	0.0013 U	0.0012 U	0.0010 U	0.0013 U	0.0011 U
1,4-Dioxane	0.1	9.8	0.1	0.021 U	0.027 U	0.018 U	0.026 U	0.024 U	0.020 U	0.025 U	0.021 U
2-Butanone (MEK)	0.12	100	0.12	0.0053 U	0.0067 U	0.0045 U	0.040	0.0059 U	0.0051 U	0.062	0.0054 U
2-Hexanone	NA	NA	NA	0.0053 U	0.0067 U	0.0045 U	0.0065 U	0.0059 U	0.0051 U	0.0063 U	0.0054 U
4-Methyl-2-pentanone	NA	NA	NA	0.0053 U	0.0067 U	0.0045 U	0.0065 U	0.0059 U	0.0051 U	0.0063 U	0.0054 U
Acetone	0.05	100	0.05	0.049	0.038 B	0.049	0.31 B	0.0059 U	0.041 B	0.34 B	0.061
Benzene	0.06	2.9	0.06	0.0011 U	0.0013 U	0.00032 J	0.00025 J	0.00020 J	0.00015 J	0.00087 J	0.0011 U
Bromochloromethane	NA	NA	NA	0.0011 U	0.0013 U	0.00090 U	0.0013 U	0.0012 U	0.0010 U	0.0013 U	0.0011 U
Bromodichloromethane	NA	NA	NA	0.0011 U	0.0013 U	0.00090 U	0.0013 U	0.0012 U	0.0010 U	0.0013 U	0.0011 U
Bromoform	NA	NA	NA	0.0011 U	0.0013 U	0.00090 U	0.0013 U	0.0012 U	0.0010 U	0.0013 U	0.0011 U
Bromomethane	NA	NA	NA	0.0011 U	0.0013 U	0.00090 U	0.0013 U	0.0012 U	0.0010 U	0.0013 U	0.0011 U
Carbon disulfide	NA	NA	NA	0.0060	0.0013 U	0.021	0.0017	0.0012 U	0.025	0.0077	0.0011 U
Carbon tetrachloride	0.76	1.4	0.76	0.0011 U	0.0013 U	0.00090 U	0.0013 U	0.0012 U	0.0010 U	0.0013 U	0.0011 U
Chlorobenzene	1.1	100	1.1	0.0011 U	0.0013 U	0.00090 U	0.0013 U	0.0012 U	0.0010 U	0.0013 U	0.0011 U
Chloroethane	NA	NA	NA	0.0011 U	0.0013 U	0.00090 U	0.0013 U	0.0012 U	0.0010 U	0.0013 U	0.0011 U
Chloroform	0.37	10	0.37	0.0011 U	0.0013 U	0.00090 U	0.0013 U	0.0012 U	0.0010 U	0.0013 U	0.0011 U
Chloromethane	NA	NA	NA	0.0011 U	0.0013 U	0.00090 U	0.0013 U	0.0012 U	0.0010 U	0.0013 U	0.0011 U
cis-1,2-Dichloroethene	0.25	59	0.25	0.00046 J	0.0035	0.0034	0.017	0.018	0.00031 J	0.016	0.00053 J
cis-1,3-Dichloropropene	NA	NA	NA	0.0011 U	0.0013 U	0.00090 U	0.0013 U	0.0012 U	0.0010 U	0.0013 U	0.0011 U
Cyclohexane	NA	NA	NA	0.0011 U	0.0013 U	0.00049 J	0.0013 U	0.0012 U	0.0010 U	0.0012 J	0.0011 U
Dibromochloromethane	NA	NA	NA	0.0011 U	0.0013 U	0.00090 U	0.0013 U	0.0012 U	0.0010 U	0.0013 U	0.0011 U
Dichlorodifluoromethane	NA	NA	NA	0.0011 U	0.0013 U	0.00090 U	0.0013 U	0.0012 U	0.0010 U	0.0013 U	0.0011 U
Ethylbenzene	1	30	1	0.00074 J	0.0013 U	0.0032	0.0038	0.0012 U	0.00020 J	0.22	0.0011 U
Freon 113	NA	NA	NA	0.0011 U	0.0013 U	0.00090 U	0.0013 U	0.0012 U	0.0010 U	0.0013 U	0.0011 U
Isopropylbenzene	NA	NA	NA	0.0011 U	0.0013 U	0.000099 J	0.00032 J	0.00042 J	0.0010 U	0.025	0.0011 U
m&p-Xylene	0.26	100	1.6	0.0021 U	0.0027 U	0.0016 J	0.012	0.0010 J	0.0020 U	0.045	0.0021 U
Methyl acetate	NA	NA	NA	0.0066	0.0013 U	0.00090 U	0.0090	0.0012 U	0.0010 U	0.0013 U	0.0011 U
Methylcyclohexane	NA	NA	NA	0.0011 U	0.0013 U	0.00090 U	0.0013 U	0.0012 U	0.0010 U	0.013	0.0011 U
Methylene Chloride	0.05	51	0.05	0.0011	0.0013 U	0.00050 J	0.0013	0.00089 J	0.00030 J	0.0012 J	0.0011 U
MTBE	0.93	62	0.93	0.0011 U	0.0013 U	0.00090 U	0.0013 U	0.0012 U	0.0010 U	0.0013 U	0.0011 U
Naphthalene	12	100	12	0.0011 U	0.0013 U H	0.00090 U	0.0013 U H	0.0012 U	0.0010 U	0.0013 U H	0.0011 U
o-Xylene	0.26	100	1.6	0.00039 J	0.0013 U	0.00039 J	0.0011 J	0.00076 J	0.0010 U	0.067	0.0011 U
Styrene	NA	NA	NA	0.0011 U	0.0013 U	0.0011	0.0013 U	0.0012 U	0.0010 U	0.0013 U	0.0011 U
Tetrachloroethene	1.3	5.5	1.3	0.0011 U	0.0013 U	0.00090 U	0.0013 U	0.0012 U	0.0010 U	0.0013 U	0.0011 U
Toluene	0.7	100	0.7	0.0011 U	0.0013 U	0.0012	0.00033 J	0.0012 U	0.00097 J	0.0041	0.0011 U
trans-1,2-Dichloroethene	0.19	100	0.19	0.0011 U	0.0013 U	0.0044	0.0013	0.0010 J	0.0010 U	0.0017	0.0011 U
trans-1,3-Dichloropropene	NA	NA	NA	0.0011 U	0.0013 U	0.00090 U	0.0013 U	0.0012 U	0.0010 U	0.0013 U	0.0011 U
Trichloroethene	0.47	10	0.47	0.0011 U	0.0013 U	0.0027	0.0025	0.0023	0.00016 J	0.0045	0.0011 U
Trichlorofluoromethane	NA	NA	NA	0.0011 U	0.0013 U	0.00090 U	0.0013 U	0.0012 U	0.0010 U	0.0013 U	0.0011 U
Vinyl chloride	0.02	0.21	0.02	0.0011 U	0.0013 U	0.0021	0.0013 U	0.0012 U	0.0010 U	0.011	0.0011 U
Xylenes, Total	0.26	100	1.6	0.0032 U	0.0040 U	0.0019 J	0.013	0.0018 J	0.0030 U	0.11	0.0032 U
Total VOC TICs:	NA	NA	NA	ND	ND	0.0078	0.0449	0.057	0.00031	0.412	ND

Notes
ND: TIC not detected
B : The analyte was found in an associated blank, as well as in the sample.
B * : ISTD response or retention time outside acceptable limits
J : Indicates an estimated value.
J N : This flag indicates the presumptive evidence of a compound.
U : Analyzed for but not detected.
U H : Sample was prepped or analyzed beyond the specified holding time



Table 6-37
TCL SVOCs Soil Analytical Data
CM-7 and CM-8 Original Samples Locations - Post-excavation Data

TCL SVOCs (mg/kg)	NYSDEC Unrestricted SCO	CM-7 & CM-8 Sample Locations - Post-excavation End-point Soil Samples							
		Side-wall Samples					Bottom Samples		
		CM-EP#2 (3')	CM-EP#3 (4')	CM-EP#5 (3')	CM-EP#6 (3')	CM-EP#8 (3')	CM-EP#1 (6')	CM-EP#4 (6')	CM-EP#7 (6')
1,2,4,5-Tetrachlorobenzene	NA	0.38 U	0.48 U	0.38 U	0.40 U	0.38 U	0.39 U	0.39 U	0.38 U
1,4-Dioxane	0.1	0.38 U	0.48 U	0.38 U	0.40 U	0.38 U	0.39 U	0.39 U	0.38 U
2,2'-oxybis[1-chloropropane]	NA	0.38 U	0.48 U	0.38 U	0.40 U	0.38 U	0.39 U	0.39 U	0.38 U
2,3,4,6-Tetrachlorophenol	NA	0.38 U	0.48 U	0.38 U	0.40 U	0.38 U	0.39 U	0.39 U	0.38 U
2,4,5-Trichlorophenol	NA	0.38 U	0.48 U	0.38 U	0.40 U	0.38 U	0.39 U	0.39 U	0.38 U
2,4,6-Trichlorophenol	NA	0.38 U	0.48 U	0.38 U	0.40 U	0.38 U	0.39 U	0.39 U	0.38 U
2,4-Dichlorophenol	NA	0.38 U	0.48 U	0.38 U	0.40 U	0.38 U	0.39 U	0.39 U	0.38 U
2,4-Dimethylphenol	NA	0.38 U	0.48 U	0.38 U	0.40 U	0.38 U	0.39 U	0.39 U	0.38 U
2,4-Dinitrophenol	NA	1.1 U	1.4 U	1.1 U	1.2 U	1.2 U R	1.2 U	1.2 U	1.1 U R
2,4-Dinitrotoluene	NA	0.076 U	0.097 U	0.077 U	0.082 U	0.077 U	0.078 U	0.079 U	0.077 U
2,6-Dinitrotoluene	NA	0.076 U	0.097 U	0.077 U	0.082 U	0.077 U	0.078 U	0.079 U	0.077 U
2-Chloronaphthalene	NA	0.38 U	0.48 U	0.38 U	0.40 U	0.38 U	0.39 U	0.39 U	0.38 U
2-Chlorophenol	NA	0.38 U	0.48 U	0.38 U	0.40 U	0.38 U	0.39 U	0.39 U	0.38 U
2-Methylnaphthalene	NA	0.38 U	0.48 U	0.38 U	0.40 U	0.38 U	0.39 U	0.39 U	0.0081 J
2-Methylphenol	0.33	0.38 U	0.48 U	0.38 U	0.40 U	0.38 U	0.39 U	0.39 U	0.38 U
2-Nitroaniline	NA	0.76 U	0.97 U	0.77 U	0.82 U	0.77 U	0.78 U	0.79 U	0.77 U
2-Nitrophenol	NA	0.38 U	0.48 U	0.38 U	0.40 U	0.38 U	0.39 U	0.39 U	0.38 U
3,3'-Dichlorobenzidine	NA	0.76 U	0.97 U	0.77 U	0.82 U	0.77 U	0.78 U	0.79 U	0.77 U
3-Nitroaniline	NA	0.76 U R	0.97 U R	0.77 U R	0.82 U R	0.77 U	0.78 U R	0.79 U R	0.77 U
4,6-Dinitro-2-methylphenol	NA	1.1 U	1.4 U	1.1 U	1.2 U	1.2 U R	1.2 U	1.2 U	1.1 J
4-Bromophenyl phenyl ether	NA	0.38 U	0.48 U	0.38 U	0.40 U	0.38 U	0.39 U	0.39 U	0.38 U
4-Chloro-3-methylphenol	NA	0.38 U	0.48 U	0.38 U	0.40 U	0.38 U	0.39 U	0.39 U	0.38 U
4-Chloroaniline	NA	0.38 U R	0.48 U R	0.38 U R	0.40 U R	0.38 U	0.39 U R	0.39 U R	0.38 U
4-Chlorophenyl phenyl ether	NA	0.38 U	0.48 U	0.38 U	0.40 U	0.38 U	0.39 U	0.39 U	0.38 U
4-Methylphenol	0.33	0.38 U	0.48 U	0.38 U	0.40 U	0.38 U	0.39 U	0.39 U	0.38 U
4-Nitroaniline	NA	0.76 U	0.97 U	0.77 U	0.82 U	0.77 U	0.78 U	0.79 U	0.77 U
4-Nitrophenol	NA	1.1 U	1.4 U	1.1 U	1.2 U	1.2 U	1.2 U	1.2 U	1.1 U
Acenaphthene	20	0.38 U	0.48 U	0.38 U	0.40 U	0.38 U	0.39 U	0.39 U	0.38 U
Acenaphthylene	100	0.38 U	0.48 U	0.38 U	0.40 U	0.38 U	0.39 U	0.39 U	0.028 J
Acetophenone	NA	0.38 U	0.48 U	0.38 U	0.40 U	0.38 U	0.39 U	0.39 U	0.38 U
Anthracene	100	0.38 U	0.48 U	0.38 U	0.40 U	0.38 U	0.39 U	0.39 U	0.085 J B
Atrazine	NA	0.38 U	0.48 U	0.38 U	0.40 U	0.38 U	0.39 U	0.39 U	0.38 U
Benzaldehyde	NA	0.38 U	0.48 U	0.38 U	0.40 U	0.38 U	0.39 U	0.39 U	0.38 U
Benzo[a]anthracene	1	0.038 U	0.048 U	0.038 U	0.040 U	0.038 U	0.039 U	0.039 U	0.42 B
Benzo[a]pyrene	1	0.038 U	0.048 U	0.038 U	0.040 U	0.025 J B	0.039 U	0.039 U	0.46 B
Benzo[b]fluoranthene	1	0.038 U	0.048 U	0.038 U	0.040 U	0.038	0.039 U	0.039 U	0.59
Benzo[g,h,i]perylene	100	0.38 U	0.48 U	0.38 U	0.40 U	0.023 J	0.39 U	0.39 U	0.39
Benzo[k]fluoranthene	0.8	0.038 U	0.048 U	0.038 U	0.040 U	0.016 J	0.039 U	0.039 U	0.19
Bis(2-chloroethoxy)methane	NA	0.38 U	0.48 U	0.38 U	0.40 U	0.38 U	0.39 U	0.39 U	0.38 U
Bis(2-chloroethyl)ether	NA	0.038 U	0.048 U	0.038 U	0.040 U	0.038 U	0.039 U	0.039 U	0.038 U
Bis(2-ethylhexyl) phthalate	NA	0.38 U	0.48 U	0.38 U	0.40 U	0.38 U	0.39 U	0.39 U	0.14 J
Butyl benzyl phthalate	NA	0.38 U	0.48 U	0.38 U	0.40 U	0.38 U	0.39 U	0.39 U	0.38 U
Caprolactam	NA	0.38 U	0.48 U	0.38 U	0.40 U	0.38 U	0.39 U	0.39 U	0.38 U
Carbazole	NA	0.38 U	0.48 U	0.38 U	0.40 U	0.38 U	0.39 U	0.39 U	0.034 J
Chrysene	1	0.38 U	0.48 U	0.38 U	0.40 U	0.020 J B	0.39 U	0.39 U	0.53 B
Dibenz(a,h)anthracene	0.33	0.038 U	0.048 U	0.038 U	0.040 U	0.038 U	0.039 U	0.039 U	0.10
Dibenzofuran	7	0.38 U	0.48 U	0.38 U	0.40 U	0.38 U	0.39 U	0.39 U	0.012 J
Diethyl phthalate	NA	0.38 U	0.48 U	0.38 U	0.40 U	0.38 U	0.39 U	0.39 U	0.38 U
Dimethyl phthalate	NA	0.38 U	0.48 U	0.38 U	0.40 U	0.38 U	0.39 U	0.39 U	0.38 U
Di-n-butyl phthalate	NA	0.38 U	0.48 U	0.38 U	0.40 U	0.38 U	0.39 U	0.39 U	0.13 J
Di-n-octyl phthalate	NA	0.38 U	0.48 U	0.38 U	0.40 U	0.38 U	0.39 U	0.39 U	0.38 U
Diphenyl	NA	0.38 U	0.48 U	0.38 U	0.40 U	0.38 U	0.39 U	0.39 U	0.38 U
Fluoranthene	100	0.0089 J	0.48 U	0.38 U	0.40 U	0.017 J	0.39 U	0.39 U	0.86
Fluorene	30	0.38 U	0.48 U	0.38 U	0.40 U	0.38 U	0.39 U	0.39 U	0.032 J
Hexachlorobenzene	0.33	0.038 U	0.048 U	0.038 U	0.040 U	0.038 U	0.039 U	0.039 U	0.038 U
Hexachlorobutadiene	NA	0.076 U	0.097 U	0.077 U	0.082 U	0.077 U	0.078 U	0.079 U	0.077 U
Hexachlorocyclopentadiene	NA	0.38 U	0.48 U	0.38 U	0.40 U	0.38 U *	0.39 U	0.39 U	0.38 U *
Hexachloroethane	NA	0.038 U	0.048 U	0.038 U	0.040 U	0.038 U	0.039 U	0.039 U	0.038 U
Indeno[1,2,3-cd]pyrene	0.5	0.038 U	0.048 U	0.038 U	0.040 U	0.023 J	0.039 U	0.039 U	0.37
Isophorone	NA	0.38 U	0.48 U	0.38 U	0.40 U	0.38 U	0.39 U	0.39 U	0.38 U
Naphthalene	12	0.38 U	0.48 U	0.38 U	0.40 U	0.38 U	0.39 U	0.39 U	0.012 J
Nitrobenzene	NA	0.038 U	0.048 U	0.038 U	0.040 U	0.038 U	0.039 U	0.039 U	0.038 U
N-Nitrosodi-n-propylamine	NA	0.038 U	0.048 U	0.038 U	0.040 U	0.038 U	0.039 U	0.039 U	0.038 U
N-Nitrosodiphenylamine	NA	0.38 U	0.48 U	0.38 U	0.40 U	0.38 U	0.39 U	0.39 U	0.38 U
Pentachlorophenol	0.8	1.1 U	1.4 U	1.1 U	1.2 U	1.2 U	1.2 U	1.2 U	1.1 U
Phenanthrene	100	0.38 U	0.48 U	0.38 U	0.40 U	0.014 J	0.39 U	0.39 U	0.59
Phenol	0.33	0.38 U	0.48 U	0.38 U	0.40 U	0.38 U	0.39 U	0.39 U	0.38 U
Pyrene	100	0.38 U	0.014 J	0.38 U	0.40 U	0.022 J B	0.39 U	0.39 U	1.1 B
Pyridine	NA	0.38 U	0.48 U	0.38 U	0.40 U	0.38 U	0.39 U	0.39 U	0.38 U
Total SVOC TICs:	NA	3.63	5.66	1.49	1.65	1.83	7.27	1.61	3.00

Notes
ND: TIC not detected
J : This flag indicates the presumptive evidence of a compound.
J N : Indicates an estimated value.
U : Analyzed for but not detected.
U R :Value is rejected based upon DUSR by third party data validator.



Table 6-38
TAL Metals Soil Analytical Data
CM-7 and CM-8 Original Samples Locations - Post-excavation Data

TAL Metals (mg/kg)	NYSDEC SCOs			Post-excavation End-point Soil Analytical Data														
				CM-7 / 8 Original Sample Location							Supplemental Endpoint Samples							Supplemental Endpoint Sample
	Side-wall Samples			Bottom Samples				Side-wall Samples				Bottom Samples		Side-wall Sample				
	Unrestricted	Residential	Protection of Groundwater	CM-EP#2 (3')	CM-EP#3 (4')	CM-EP#5 (8')	CM-EP#6 (3')	CM-EP#8 (3')	CM-EP#1 (6')	CM-EP#4 (6')	CM-EP#7 (6')	CM-EP#28 (4')	CM-EP#29 (4')	CM-EP#30 (4')	CM-EP#31* (4')	CM-EP#26 (8')	CM-EP#27 (8')	CM-EP#36 (2')
Aluminum	NA	NA	NA	14,500	12,700	5,930	12,000	10,100	14,400	15,200	11,800	7,640	6,590	4,900	12,600	9,640	8,850	6,720
Antimony	NA	NA	NA	1.0 J	5.4 U	4.3 U	4.5 U	4.2 U	4.7 U	4.7 U	4.3 U	4.2 U	4.3 U	4.2 U	4.8 U	4.3 U	5.5 U	3.7 U
Arsenic	13	16	16	3.3 J	4.1	0.67 J	2.1 J	2.2 J	3.5 U	3.0 J	3.2	3.9	2.3 J	1.6 J	1.3 J	1.6 J	1.6 J	1.8 J
Barium	350	350	820	103	89.5	31.0 J	71.0	52.7	47.3	44.5 J	57.0	39.8 J	39.6 J	47.6	49.3	37.4 J	51.8 J	44.6
Beryllium	7.2	14	47	0.41 J	0.54 U	0.43 U	0.49	0.37 J	0.47 U	0.47 U	0.16 J	0.40 J	0.34 J	0.42 U	0.36 J	0.45	0.42 J	0.17 J
Cadmium	2.5	2.5	7.5	0.91 U	1.1 U	0.86 U	0.89 U	0.84 U	0.93 U	0.94 U	0.86 U	0.84 U	0.85 U	0.30 J	0.34 J	0.87 U	1.1 U	0.75 U
Calcium	NA	NA	NA	1,970	7,600	1,880	3,000	3,610	574 J	1,400	1,350	4,980	1,540	402 J	2,280	404 J	3,140	858 J
Chromium ¹	30	36	NS	21.2	19.9	12.1	13.7	12.8	25.1	22.9	15.6	13.6	22.6	11.8	17.0	15.1	17.9	14.3
Cobalt	NA	NA	NA	5.4 J	5.7 J	3.0 J	4.0 J	3.8 J	4.9 J	5.7 J	5.4 J	3.1 J	6.2 J	1.4 J	2.3 J	5.0 J	5.4 J	3.7 J
Copper	50	270	1,720	15.8	21.2	3.5 J	6.2	7.4	9.5	9.0	11.0	6.3	7.3	2.9 J	9.1	6.9	7.3	11.9
Iron	NA	NA	NA	16,200	17,700	9,120	12,600	10,700	14,400	22,400	14,100	11,400	13,900	5,080	8,430	9,500	11,700	8,300
Lead	63	400	450	87.6	65.2	8.4	19.7	23.9	9.5	8.8	42.5	9.2	5.3	8.0	16.7	7.3	13.5	12.9
Magnesium	NA	NA	NA	2,680	2,800	1,240	1,910	1,600	2,780	2,890	2,260	2,430	2,590	893 J	1,780	1,750	2,130	1,250
Manganese	1,600	2,000	2,000	241	146	268	313	97.9	224	360	234	268	404	33.1	156	90.7	256	93.3
Nickel	30	140	130	14.8	12.9	5.9 J	9.7	10.3	11.9	11.3	11.3	7.8 J	11.2	4.8 J	6.9 J	10.6	9.7 J	6.8 J
Potassium	NA	NA	NA	3,890	895 J	1,740	1,590	553 J	3,750	2,410	1,050 J	1,770	2,530	841 J	1,900	1,350	2,070	1,020
Selenium	3.9	36	4	1.1 J	5.4 U	4.3 U	4.5 U	0.97 J	4.7 U	4.7 U	4.3 U	4.2 U	4.3 U	4.2 U	4.8 U	4.3 U	5.5 U	3.7 U
Silver	2	36	8.3	2.3 U	19.4	2.2 U	2.2 U	2.1 U	2.3 U	2.3 U	3.7	2.1 U	2.1 U	2.1 U	1.9 J	2.2 U	2.7 U	0.46 J
Sodium	NA	NA	NA	651 J	203 J	125 J	187 J	113 J	395 J	159 J	133 J	198 J	163 J	1,050 U	128 J	1,080 U	286 J	73.2 J
Thallium	NA	NA	NA	4.5 U	5.4 U	4.3 U	4.5 U	4.2 U	4.7 U	4.7 U	4.3 U	4.2 U	4.3 U	4.2 U	4.8 U	4.3 U	5.5 U	3.7 U
Vanadium	NA	NA	NA	24.2	26.8	7.5 J	16.9	15.7	25.9	34.3	20.0	18.7	17.6	7.5 J	9.8 J	13.0	18.9	11.0
Zinc	109	2,200	2,480	93.4	96.8	16.8	26.7	42.8	31.0	32.3	54.9	23.3	21.6	11.5	59.2	25.6	27.9	19.3
Mercury	0.18	0.81	0.73	0.025	0.18	0.019 U	0.061	0.055	0.020 U	0.017 J	0.082	0.044	0.019 U	0.019 U	0.074	0.020	0.045	0.021 U

Notes
J : Sample result is greater than the MDL but below the CRDL
U : Indicates analyzed for but not detected.
¹ Trivalent chromium SCOs utilized.
Highlighted / bolded indicates analyte exceeded above its respective NYSDEC Unrestricted SCO.
Green / italicized value indictes analyte exceeded its repective unrestricted SCO but was below its respective Residential / Protection of GW SCO, whichever is lower.
* Blind Duplicate sample contained 2.7ppm Silver & 31.6ppm Chromium therefore excavation of this area was warranted.
NA - Not Available
NS - No Standard Available



Table 6-39
TCL VOCs Soil Analytical Data
CM-21 Original Sample Location - Post-excavation Data

TCL VOCs (mg/kg)	NYSDEC SCOs			CM-21 Original Sample Location - Post Excavation Data			
				End-Point Soil Samples			
	NYSDEC Unrestricted SCO	Residential	Protection of Groundwater	Side-wall Samples			Bottom Sample
				CM-EP#23 (4')	CM-EP#24 (4')	CM-EP#25 (4')	CM-EP#22 (6')
1,1,1-Trichloroethane	0.68	100	0.68	0.0011 U	0.00094 U	0.0011 U	0.00020 J
1,1,2,2-Tetrachloroethane	NA	NA	NA	0.0011 U	0.00094 U	0.0011 U	0.00099 U
1,1,2-Trichloroethane	NA	NA	NA	0.0011 U	0.00094 U	0.0011 U	0.00099 U
1,1-Dichloroethane	0.27	19	0.27	0.0010 J	0.00094 U	0.0011 U	0.00099 U
1,1-Dichloroethene	0.33	100	0.33	0.0011 U	0.00094 U	0.0011 U	0.00099 U
1,2,3-Trichlorobenzene	NA	NA	NA	0.0011 U	0.00094 U	0.0011 U	0.00099 U
1,2,4-Trichlorobenzene	NA	NA	NA	0.0011 U	0.00094 U	0.0011 U	0.00099 U
1,2-Dibromo-3-Chloropropane	NA	NA	NA	0.0011 U	0.00094 U	0.0011 U	0.00099 U
1,2-Dibromoethane	NA	NA	NA	0.0011 U	0.00094 U	0.0011 U	0.00099 U
1,2-Dichlorobenzene	1.1	100	1.1	0.00015 J	0.00094 U	0.0011 U	0.00099 U
1,2-Dichloroethane	0.02	2.3	0.02	0.0011 U	0.00094 U	0.0011 U	0.00099 U
1,2-Dichloropropane	NA	NA	NA	0.0011 U	0.00094 U	0.0011 U	0.00099 U
1,3-Dichlorobenzene	2.4	17	2.4	0.0011 U	0.00094 U	0.0011 U	0.00099 U
1,4-Dichlorobenzene	1.8	9.8	1.8	0.0011 U	0.00094 U	0.0011 U	0.00099 U
1,4-Dioxane	0.1	9.8	0.1	0.023 U	0.019 U	0.021 U	0.020 U
2-Butanone (MEK)	0.12	100	0.12	0.019 J	0.0028 J	0.012	0.0051 J
2-Hexanone	NA	NA	NA	0.0057 U	0.0047 U	0.0053 U	0.0049 U
4-Methyl-2-pentanone	NA	NA	NA	0.0057 U	0.0047 U	0.0053 U	0.0049 U
Acetone	0.05	100	0.05	0.065 B	0.011 B	0.060 B	0.094 B
Benzene	0.06	2.9	0.06	0.00035 J	0.00094 U	0.00025 J	0.00099 U
Bromochloromethane	NA	NA	NA	0.0011 U	0.00094 U	0.0011 U	0.00099 U
Bromodichloromethane	NA	NA	NA	0.0011 U	0.00094 U	0.0011 U	0.00099 U
Bromoform	NA	NA	NA	0.0011 U	0.00094 U	0.0011 U	0.00099 U
Bromomethane	NA	NA	NA	0.0011 U	0.00094 U	0.0011 U	0.00099 U
Carbon disulfide	NA	NA	NA	0.0011	0.0010	0.0013	0.0015
Carbon tetrachloride	0.76	1.4	0.76	0.0011 U	0.00094 U	0.0011 U	0.00099 U
Chlorobenzene	1.1	100	1.1	0.00062 J	0.00094 U	0.0011 U	0.00099 U
Chloroethane	NA	NA	NA	0.0011 U	0.00094 U	0.0011 U	0.00099 U
Chloroform	0.37	10	0.37	0.0011 U	0.00094 U	0.0011 U	0.00099 U
Chloromethane	NA	NA	NA	0.0011 U	0.00094 U	0.0011 U	0.00099 U
cis-1,2-Dichloroethene	0.25	59	0.25	0.0011 U	0.0057	0.033	0.00023 J
cis-1,3-Dichloropropene	NA	NA	NA	0.0011 U	0.00094 U	0.0011 U	0.00099 U
Cyclohexane	NA	NA	NA	0.0011 U	0.00094 U	0.0011 U	0.00099 U
Dibromochloromethane	NA	NA	NA	0.0011 U	0.00094 U	0.0011 U	0.00099 U
Dichlorodifluoromethane	NA	NA	NA	0.0011 U	0.00094 U	0.0011 U	0.00099 U
Ethylbenzene	1	30	1	0.00042 J	0.00052 J	0.00037 J	0.0042
Freon 113	NA	NA	NA	0.00087 J	0.00094 U	0.0011 U	0.00099 U
Isopropylbenzene	NA	NA	NA	0.0011 U	0.00094 U	0.0011 U	0.00099 U
m&p-Xylene	0.26	100	1.6	0.0019 J	0.0017 J	0.00074 J	0.022
Methyl acetate	NA	NA	NA	0.0011 U	0.00094 U	0.0011 U	0.00099 U
Methylcyclohexane	NA	NA	NA	0.0011 U	0.00094 U	0.0011 U	0.00099 U
Methylene Chloride	0.05	51	0.05	0.0015	0.00086 J	0.00090 J	0.00081 J
MTBE	0.93	62	0.93	0.0011 U	0.00094 U	0.0011 U	0.00099 U
Naphthalene	12	100	12	0.0011 U	0.00094 U	0.0011 U	0.00099 U
o-Xylene	0.26	100	1.6	0.00055 J	0.00068 J	0.00043 J	0.0038
Styrene	NA	NA	NA	0.0011 U	0.00094 U	0.0011 U	0.00099 U
Tetrachloroethene	1.3	5.5	1.3	0.0011 U	0.00024 J	0.00096 J	0.00099 U
Toluene	0.7	100	0.7	0.00021 J	0.00013 J	0.0011 U	0.00018 J
trans-1,2-Dichloroethene	0.19	100	0.19	0.00028 J	0.00020 J	0.0013	0.00099 U
trans-1,3-Dichloropropene	NA	NA	NA	0.0011 U	0.00094 U	0.0011 U	0.00099 U
Trichloroethene	0.47	10	0.47	0.00050 J	0.00089 J	0.0049	0.00070 J
Trichlorofluoromethane	NA	NA	NA	0.0011 U	0.00094 U	0.0011 U	0.00099 U
Vinyl chloride	0.02	0.21	0.02	0.0011 U	0.00094 U	0.0011 U	0.00099 U
Xylenes, Total	0.26	100	1.6	0.0024 J	0.0024 J	0.0012 J	0.026
VOC TICs							
Ethyl ether	NA	NA	NA	0.0094	ND	ND	ND
2,4,4-Trimethyl-1-pentene	NA	NA	NA	0.0040	ND	ND	ND
Hexadecane, 3-methyl-	NA	NA	NA	0.0085 J N	ND	ND	ND
Hexane, 2,2,5,5-tetramethyl-	NA	NA	NA	0.062 J N	ND	ND	ND
Pentane, 2,2,3,4-tetramethyl-	NA	NA	NA	0.014 J N	ND	ND	ND
Undecane, 2,4-dimethyl-	NA	NA	NA	0.011 J N	ND	ND	ND
Decane, 4-methyl-	NA	NA	NA	0.010 J N	ND	ND	ND
Decane, 2,2-dimethyl-	NA	NA	NA	0.013 J N	ND	ND	ND
Nonane, 3-methyl-5-propyl-	NA	NA	NA	0.017 J N	ND	ND	ND

Notes
ND: TIC not detected
J : Indicates an estimated value.
J N : Indicates an estimated value.
U : Analyzed for but not detected.



Table 6-40
TCL SVOCs Soil Analytical Data
CM-21 Original Sample Location - Post-excavation Data

TCL SVOCs (mg/kg)	NYSDEC SCOs			CM-21 Original Sample Location - Post Excavation Data				
				End-Point Soil Samples				
				Side-wall Samples				Bottom Sample
	NYSDEC Unrestricted SCO	Residential	Protection of Groundwater	CM-EP#23 (4')	CM-EP#24 (4')	CM-EP#24 (4')	CM-EP#25 (4')	CM-EP#22 (6')
1,2,4,5-Tetrachlorobenzene	NA	NA	NA	0.41 U	1.9 U	NR	1.9 U	0.40 U
1,4-Dioxane	0.1	9.8	0.1	0.41 U	1.9 U	NR	1.9 U	0.40 U
2,2'-oxybis[1-chloropropane]	NA	NA	NA	0.41 U	1.9 U	NR	1.9 U	0.40 U
2,3,4,6-Tetrachlorophenol	NA	NA	NA	0.41 U	1.9 U	NR	1.9 U	0.40 U
2,4,5-Trichlorophenol	NA	NA	NA	0.41 U	1.9 U	NR	1.9 U	0.40 U
2,4,6-Trichlorophenol	NA	NA	NA	0.41 U	1.9 U	NR	1.9 U	0.40 U
2,4-Dichlorophenol	NA	NA	NA	0.41 U	1.9 U	NR	1.9 U	0.40 U
2,4-Dimethylphenol	NA	NA	NA	0.41 U	1.9 U	NR	1.9 U	0.40 U
2,4-Dinitrophenol	NA	NA	NA	1.3 U	5.7 U	NR	5.8 U	1.2 U
2,4-Dinitrotoluene	NA	NA	NA	0.084 U	0.38 U	NR	0.39 U	0.082 U
2,6-Dinitrotoluene	NA	NA	NA	0.084 U	0.38 U	NR	0.39 U	0.082 U
2-Chloronaphthalene	NA	NA	NA	0.41 U	1.9 U	NR	1.9 U	0.40 U
2-Chlorophenol	NA	NA	NA	0.41 U	1.9 U	NR	1.9 U	0.40 U
2-Methylnaphthalene	NA	NA	NA	0.41 U	1.9 U	NR	1.9 U	0.40 U
2-Methylphenol	0.33	100	0.33	0.41 U	1.9 U	NR	1.9 U	0.40 U
2-Nitroaniline	NA	NA	NA	0.84 U	3.8 U	NR	3.9 U	0.82 U
2-Nitrophenol	NA	NA	NA	0.41 U	1.9 U	NR	1.9 U	0.40 U
3,3'-Dichlorobenzidine	NA	NA	NA	0.84 U	3.8 U	NR	3.9 U	0.82 U
3-Nitroaniline	NA	NA	NA	0.84 U	3.8 U	NR	3.9 U	0.82 U
4,6-Dinitro-2-methylphenol	NA	NA	NA	1.3 U	5.7 U	NR	5.8 U	1.2 U
4-Bromophenyl phenyl ether	NA	NA	NA	0.41 U	1.9 U	NR	1.9 U	0.40 U
4-Chloro-3-methylphenol	NA	NA	NA	0.41 U	1.9 U	NR	1.9 U	0.40 U
4-Chloroaniline	NA	NA	NA	0.41 U	1.9 U	NR	1.9 U	0.40 U
4-Chlorophenyl phenyl ether	NA	NA	NA	0.41 U	1.9 U	NR	1.9 U	0.40 U
4-Methylphenol	0.33	34	0.33	0.41 U	1.9 U	NR	1.9 U	0.40 U
4-Nitroaniline	NA	NA	NA	0.84 U	3.8 U	NR	3.9 U	0.82 U
4-Nitrophenol	NA	NA	NA	1.3 U	5.7 U	NR	5.8 U	1.2 U
Acenaphthene	20	100	98	0.41 U	1.9 U	NR	1.9 U	0.40 U
Acenaphthylene	100	100	107	0.41 U	1.9 U	NR	1.9 U	0.40 U
Acetophenone	NA	NA	NA	0.41 U	1.9 U	NR	1.9 U	0.40 U
Anthracene	100	100	1,000	0.41 U	0.067 J	NR	1.9 U	0.018 J
Atrazine	NA	NA	NA	0.41 U	1.9 U	NR	1.9 U	0.40 U
Benzaldehyde	NA	NA	NA	0.41 U R	1.9 U	NR	1.9 U	0.40 U
Benzo[a]anthracene	1	1	1	0.041 U	0.30	NR	0.19 U	0.040 U
Benzo[a]pyrene	1	1	22	0.041 U	0.26	NR	0.19 U	0.044
Benzo[b]fluoranthene	1	1	1.7	0.041 U	0.32	NR	0.19 U	0.064
Benzo[g,h,i]perylene	100	100	1,000	0.41 U	0.17 J	NR	1.9 U	0.029 J
Benzo[k]fluoranthene	0.8	1	1.7	0.041 U	0.13 J	NR	0.19 U	0.026 J
Bis(2-chloroethoxy)methane	NA	NA	NA	0.41 U	1.9 U	NR	1.9 U	0.40 U
Bis(2-chloroethyl)ether	NA	NA	NA	0.041 U	0.19 U	NR	0.19 U	0.040 U
Bis(2-ethylhexyl) phthalate	NA	NA	NA	0.41 U	0.92 J	NR	1.9 U	0.12 J
Butyl benzyl phthalate	NA	NA	NA	0.41 U	1.9 U	NR	1.9 U	0.40 U
Caprolactam	NA	NA	NA	0.41 U	1.9 U	NR	1.9 U	0.40 U
Carbazole	NA	NA	NA	0.41 U	1.9 U	NR	1.9 U	0.40 U
Chrysene	1	1	1	0.41 U	0.37 J	NR	1.9 U	0.064 J
Dibenz(a,h)anthracene	0.33	0.33	1,000	0.041 U	0.19 U	NR	0.19 U	0.040 U
Dibenzofuran	7	14	210	0.41 U	1.9 U	NR	1.9 U	0.40 U
Diethyl phthalate	NA	NA	NA	0.41 U	1.9 U	NR	1.9 U	0.40 U
Dimethyl phthalate	NA	NA	NA	0.41 U	1.9 U	NR	1.9 U	0.40 U
Di-n-butyl phthalate	NA	NA	NA	0.41 U	1.9 U	NR	1.9 U	0.40 U
Di-n-octyl phthalate	NA	NA	NA	0.41 U	1.9 U	NR	1.9 U	0.40 U
Diphenyl	NA	NA	NA	0.41 U	1.9 U	NR	1.9 U	0.40 U
Fluoranthene	100	100	1,000	0.41 U	0.56 J	NR	0.10 J	0.11 J
Fluorene	30	100	386	0.41 U	1.9 U	NR	1.9 U	0.40 U
Hexachlorobenzene	0.33	0.33	3.2	0.041 U	0.19 U	NR	0.19 U	0.040 U
Hexachlorobutadiene	NA	NA	NA	0.084 U	0.38 U	NR	0.39 U	0.082 U
Hexachlorocyclopentadiene	NA	NA	NA	0.41 U	1.9 U	NR	1.9 U	0.40 U
Hexachloroethane	NA	NA	NA	0.041 U	0.19 U	NR	0.19 U	0.040 U
Indeno[1,2,3-cd]pyrene	0.5	0.5	8.2	0.041 U	0.15 J	NR	0.19 U	0.028 J
Isophorone	NA	NA	NA	0.41 U	1.9 U	NR	1.9 U	0.40 U
Naphthalene	12	100	12	0.41 U	0.35 J	NR	1.9 U	0.0093 J
Nitrobenzene	NA	NA	NA	0.041 U	0.19 U	NR	0.19 U	0.040 U
N-Nitrosodi-n-propylamine	NA	NA	NA	0.041 U	0.19 U	NR	0.19 U	0.040 U
N-Nitrosodiphenylamine	NA	NA	NA	0.41 U	1.9 U	NR	1.9 U	0.40 U
Pentachlorophenol	0.8	2.4	0.8	1.3 U	5.7 U	NR	5.8 U	1.2 U
Phenanthrene	100	100	1,000	0.041 J	0.33 J	NR	1.9 U	0.084 J
Phenol	0.33	100	0.33	0.41 U	1.9 U	NR	1.9 U	0.40 U
Pyrene	100	100	1,000	0.41 U	0.58 J	NR	1.9 U	0.12 J
Pyridine	NA	NA	NA	0.41 U	1.9 U	NR	1.9 U	0.40 U
SVOC TICs								
Unknown	NA	NA	NA	ND	ND	ND	ND	0.42 J
Unknown	NA	NA	NA	0.68 J	ND	ND	ND	ND
p-Xylene	NA	NA	NA	ND	ND	ND	ND	1.3 J N
p-Xylene	NA	NA	NA	ND	ND	ND	ND	ND
Ethane, 1,1,2,2-tetrachloro-	NA	NA	NA	ND	ND	ND	ND	0.17 J N
Ethane, 1,1,2,2-tetrachloro-	NA	NA	NA	ND	ND	ND	ND	ND
Benzyl alcohol	NA	NA	NA	ND	ND	250 J	ND	ND
Octanoic Acid	NA	NA	NA	ND	ND	ND	ND	0.36 J N
Octanoic Acid	NA	NA	NA	0.46 J N	ND	ND	ND	ND
n-Hexadecanoic acid	NA	NA	NA	ND	ND	ND	ND	ND
Phenol, (1,1,3,3-tetramethylbutyl)-	NA	NA	NA	0.57 J N	ND	ND	ND	ND
Unknown	NA	NA	NA	0.56 J	ND	ND	ND	ND
Unknown	NA	NA	NA	0.34 J	ND	ND	ND	ND
1-Dotriacontanol	NA	NA	NA	0.29 J N	ND	ND	ND	ND
1-Hexadecene	NA	NA	NA	0.27 J N	ND	ND	ND	ND
Octacosane	NA	NA	NA	0.20 J N	ND	ND	ND	ND
Unknown	NA	NA	NA	0.17 J	ND	ND	ND	ND
Unknown	NA	NA	NA	0.17 J	ND	ND	ND	ND

Notes
ND: TIC not detected
* : LCS or LCSD exceeds the control limits
D : The reported value is from a dilution.
J : Indicates an estimated value.
J N : This flag indicates the presumptive evidence of a compound.
U : Analyzed for but not detected.
U R : Indicates that value is rejected based upon DUSR review by third party data validator.
NA : Not Available
NR : Not Analyzed



Table 6-41
TAL Metals Soil Analytical Data
CM-21 Original Sample Location - Post-excavation Data

TAL Metals (mg/kg)	NYSDEC SCOs			CM-21 Original Sample Location - Post Excavation Data			
				End-Point Soil Samples			
				Side-wall Samples			Bottom Sample
	NYSDEC Unrestricted SCO	Residential	Protection of Groundwater	CM-EP#23 (4')	CM-EP#24 (4')	CM-EP#25 (4')	CM-EP#22 (6')
Aluminum	NA	NA	NA	9,130	8,010	6,640	9,400
Antimony	NA	NA	NA	4.7 U	3.5 U	3.8 U	4.1 U
Arsenic	13	16	16	1.1 J	2.7	1.7 J	4.3
Barium	350	350	820	59.5	44.4	43.8	71.8
Beryllium	7.2	14	47	0.57	0.42	0.40	0.62
Cadmium	2.5	2.5	7.5	0.95 U	0.70 U	0.77 U	0.81 U
Calcium	NA	NA	NA	1,340	6,350	3,320	1,750
Chromium ¹	30	36	NS	16.0	13.5	13.1	21.7
Cobalt	NA	NA	NA	3.2 J	4.2 J	3.0 J	6.5 J
Copper	50	270	1,720	5.4 J	8.7	5.0	13.3
Iron	NA	NA	NA	7,010	11,600	8,330	17,100
Lead	63	400	450	31.1	20.1	17.9	26.1
Magnesium	NA	NA	NA	1,550	2,010	1,530	2,810
Manganese	1,600	2,000	2,000	79.8	309	125	240
Nickel	30	140	130	7.3 J	8.8	13.4	18.1
Potassium	NA	NA	NA	451 J	619 J	478 J	1,550
Selenium	3.9	36	4	4.7 U	3.5 U	3.8 U	4.1 U
Silver	2	36	8.3	2.4 U	1.8 U	1.9 U	0.21 J
Sodium	NA	NA	NA	1190 U	114 J	128 J	1020 U
Thallium	NA	NA	NA	4.7 U	3.5 U	3.8 U	4.1 U
Vanadium	NA	NA	NA	15.6	15.4	12.7	23.4
Zinc	109	2,200	2,480	23.9	25.1	19.9	45.2
Mercury	0.18	0.81	0.73	0.045	0.038	0.027	0.041

Notes

J : Sample result is greater than the MDL but below the CRDL

U : Indicates analyzed for but not detected.

¹ Trivalent chromium SCOs utilized.

Highlighted / bolded indicates analyte exceeded above its respective NYSDEC Unrestricted SCO.

NA - Not Available



Table 6-42
TAL Metals Soil Analytical Data
CM-33 Original Sample Location - Post Excavation Data

TAL Metals (mg/kg)	NYSDEC SCOs			CM-33 Original Sample Location - RCRA Excavation				
				End Point Soil Samples				
				Side-wall Samples				Bottom Sample
	NYSDEC Unrestricted SCO	Residential	Protection of Groundwater	CM-EP#18 (3')	CM-EP#19 (3')	CM-EP#20 (3')	CM-EP#21 (3')	CM-EP#17 (4')
Aluminum	NA	NA	NA	3,140	7,230	3,080	5,630	16,600
Antimony	NA	NA	NA	4.0 U	4.2 U	3.7 U	3.5 U	3.9 U
Arsenic	13	16	16	3.4	3.5	4.9	4.1	3.1
Barium	350	350	820	33.2 J	61.0	40.6	46.2	65.5
Beryllium	7.2	14	47	0.19 J	0.38 J	0.20 J	0.31 J	0.89
Cadmium	2.5	2.5	7.5	0.23 J	0.84 U	0.24 J	0.15 J	0.78 U
Calcium	NA	NA	NA	1,430	786 J	159,000	867 J	1,170
Chromium ¹	30	36	NS	8.4	14.1	5.9	10.5	32.2
Cobalt	NA	NA	NA	2.3 J	5.5 J	1.8 J	2.3 J	7.8 J
Copper	50	270	1,720	13.7	11.7	11.9	14.2	23.2
Iron	NA	NA	NA	5,680	11,100	4,870	8,380	22,600
Lead	63	400	450	75.5	48.6	124	381	24.3
Magnesium	NA	NA	NA	868 J	1,710	91,900	991	4,130
Manganese	1,600	2,000	2,000	76.9	96.8	135	70.0	135
Nickel	30	140	130	6.2 J	10.3	4.3 J	6.4 J	21.8
Potassium	NA	NA	NA	384 J	1,020 J	419 J	378 J	2,020
Selenium	3.9	36	4	4.0 U	4.2 U	3.7 U	3.5 U	3.9 U
Silver	2	36	8.3	0.51 J	2.1 U	1.2 J	0.84 J	2.0 U
Sodium	NA	NA	NA	990 U	1050 U	148 J	873 U	979 U
Thallium	NA	NA	NA	4.0 U	4.2 U	3.7 U	3.5 U	3.9 U
Vanadium	NA	NA	NA	10.6	19.1	11.3	14.7	37.7
Zinc	109	2,200	2,480	58.0	172	69.4	77.7	186
Mercury	0.18	0.81	0.73	0.10	0.11	0.46	0.26	0.036

Notes

J : Sample result is greater than the MDL but below the CRDL

U : Indicates analyzed for but not detected.

¹ Trivalent chromium SCOs utilized.

Highlighted / bolded indicates analyte exceeded above its respective NYSDEC Unrestricted SCO.

NA - Not Available

Table 6-43
TAL Metals Soil Analytical Data
CM-34 / 35 / BLDG4-SB-6 Original Sample Location - Post Excavation Data

TAL Metals (mg/kg)	NYSDEC SCOs					Post-excavation End-point Soil Analytical Data																		
						CM-34 / 35 Original Sample Location								Supplemental Endpoint Samples				Supplemental Endpoint Samples				Supplemental Soil Borings		
						Side-wall Samples				Bottom Samples				Side-wall Samples				Side-wall Samples				Bottom Samples		
						CM-EP #9	CM-EP #10	CM-EP #13	CM-EP #14	CM-EP #11	CM-EP #12	CM-EP #15	CM-EP #16	CM-EP#32	CM-EP#33	CM-EP#34	CM-EP#35	CM-EP#37	CM-EP#38	CM-EP#39	CM-EP#40	CM-EP#41	CM-EP#42	CM-EP#43 (6')
Unrestricted	Residential	Restricted Residential	Commercial	Protection of Groundwater	(3)	(8)	(3)	(4)	(6)	(6)	(6)	(8)	(2)	(2)	(8)	(2)	(2)	(2)	(2)	(2)	(6)	(6)		
Aluminum	NA	NA	NA	NA	NA	9,040	4,350	5,710	5,390	12,700	14,400	14,100	11,000	6,570	2,700	6,970	2,470	5,910	4,110	11,400	5,860	5,620	1,050	12,700
Antimony	NA	NA	NA	NA	NA	1.1 J	1.0 J	3.9 U	3.8 U	4.4 U	3.6 U	4.0 U	4.5 U	4.4 U	4.1 U	4.5 U	3.7 U	3.6 U	3.6 U	4.1 U	4.5 U	4.6 U	4.2 U	4.0 U
Arsenic	13	16	16	16	16	2.5 J	2.6 J	2.6 J	1.7 J	2.4 J	2.3 J	2.4 J	2.0 J	7.9	1.4 J	7.2	1.3 J	2.8	2.7	2.8 J	9.4	11.4	3.2 U	1.5 J
Barium	350	350	400	400	820	33.2 J	96.3	25.1 J	38.5	46.7	52.1	46.7	53.9	107	19.7 J	135	21.2 J	45.0	19.0 J	70.0	127	105	3.5 J	42.0
Beryllium	7.2	14	72	590	47	0.19 J	0.40 U	0.30 J	0.36 J	0.36 J	0.44	0.44	0.34 J	0.18 J	0.17 J	0.35 J	0.16 J	0.23 J	0.14 J	0.55	0.45 U	0.46 U	0.42 U	0.29 J
Cadmium	2.5	2.5	4.3	9.3	7.5	0.82 U	0.80 U	0.77 U	0.76 U	0.88 U	0.72 U	0.81 U	0.91 U	0.87 U	0.82 U	0.91 U	0.75 U	0.72 U	0.72 U	0.82 U	0.36 J	0.45 J	0.85 U	0.79 U
Calcium	NA	NA	NA	NA	NA	617 J	2,450	713 J	1,210	714 J	648 J	566 J	470 J	1,550	472 J	1,820	1,880	2,290	366 J	1,110	2,000	2,050	87 J	487 J
Chromium ¹	30	36	180	1,500	NS	14.3	12.9	10.5	8.2	17.0	26.4	19.4	17.0	16.1	5.4	18.3	8.3	12.4	7.3	14.5	14.0	13.9	2.2	20.4
Cobalt	NA	NA	NA	NA	NA	4.0 J	4.0 J	2.7 J	3.8 J	5.1 J	5.3 J	4.5 J	3.8 J	2.4 J	1.6 J	5.4 J	8.0 J	2.7 J	2.4 J	3.7 J	4.6 J	5.2 J	10.6 U	4.1 J
Copper	50	270	270	270	1,720	6.8	23.8	6.0	12.9	5.9	9.6	8.9	5.3 J	17.8	23.8	39.5	134	14.7	6.6	9.7	38.9	32.6	5.3 U	6.6
Iron	NA	NA	NA	NA	NA	13,200	10,300	9,140	8,220	10,700	15,100	12,300	10,200	16,800	4,610	16,800	3,690	9,650	6,400	9,800	13,000	13,100	1,710	11,600
Lead	63	400	400	1,000	450	15.1	335	63.9	42.9	9.1	8.9	8.9	7.9	477	36.5	548	20.9	111	80.5	61.9	362	519	1.4 J	7.6
Magnesium	NA	NA	NA	NA	NA	1,790	1,100	1,160	1,280	2,330	3,260	2,270	2,010	1,510	660 J	1,790	826 J	1,350	901 J	1,720	1,540	1,440	170 J	2,430
Manganese	1,600	2,000	2,000	10,000	2,000	101	151	113	181	182	220	108	215	96.2	106	242	148	148	113	309	156	275	27.0	85.4
Nickel	30	140	310	310	130	9.9	9.4	6.3 J	8.4	10.5	11.8	10.8	8.9 J	6.6 J	4.0 J	10.4	4.7 J	6.5 J	5.2 J	9.7	10.7	10.9	8.5 U	10.0
Potassium	NA	NA	NA	NA	NA	805 J	481 J	481 J	1,180	1,720	1,640	1,180	1,020 J	1,810	463 J	919 J	534 J	1,130	361 J	465 J	739 J	603 J	83 J	2,250
Selenium	3.9	36	180	1,500	4	4.1 U	4.0 U	3.9 U	3.8 U	4.4 U	3.6 U	4.0 U	4.5 U	4.4 U	4.1 U	4.5 U	3.7 U	3.6 U	3.6 U	4.1 U	1.5 J	1.7 J	4.2 U	4.0 U
Silver	2	36	180	1,500	8.3	2.0 U	2.0 U	1.9 U	1.9 U	2.2 U	1.8 U	2.0 U	2.3 U	0.68 J	2.1 U	2.3 U	1.9 U	0.32 J	1.8 U	2.1 U	2.2 U	0.88 J	2.1 U	2.0 U
Sodium	NA	NA	NA	NA	NA	1,020 U	106 J	966 U	941 U	82.5 J	73.0 J	116 J	1140 U	98.1 J	1,030 U	124 J	937 U	102 J	905 U	1,030 U	103 J	1,160 U	1,060 U	146 J
Thallium	NA	NA	NA	NA	NA	4.1 U	4.0 U	3.9 U	3.8 U	4.4 U	3.6 U	4.0 U	4.5 U	4.4 U	4.1 U	4.5 U	3.7 U	3.6 U	3.6 U	4.1 U	4.5 U	4.6 U	4.2 U	4.0 U
Vanadium	NA	NA	NA	NA	NA	15.6	14.5	12.1	11.5	22.8	30.2	30.9	19.9	19.4	6.7 J	20.8	8.9 J	13.3	8.9 J	15.7	17.3	18.0	3.0 J	28.0
Zinc	109	2,200	10,000	10,000	2,480	62.3	156	22.1	86.4	30.2	32.8	107	25.1	118	93.8	349	25.5	72.9	36.2	47.0	266	277	3.1 J	27.2
Mercury	0.18	0.81	0.81	2.8	0.73	0.069	0.12	0.051	2.0	0.020 U	0.020 U	0.20	0.020 U	0.20	0.14	0.27	0.074	0.29	0.061	0.13	0.13	0.25	0.020 U	0.018 U

Notes
J : Sample result is greater than the MDL but below the CRDL
U : Indicates analyzed for but not detected.
¹ Trivalent chromium SCOs utilized.
Highlighted / bolded indicates analyte exceeded above its respective NYSDEC Unrestricted SCO.
Green / italicized value indicates analyte exceeded its respective unrestricted SCO but was below its respective Residential / Protection of GW SCO, whichever is lower.
Blue / italicized value indicates analyte exceeded its respective Residential SCO and / or Protection of Groundwater SCO but was below its Restricted Residential SCO.
Pink / italicized value indicates analyte exceeded its respective Residential SCO and / or Protection of Groundwater SCO but was below its Commercial SCO.
NA - Not Available
Indicates that sample locations were removed as part of supplemental soil excavation activities.



Table 6-44
TAL Metals Soil Analytical Data
C1-4 Original Sample Location - Post Excavation Data

TAL Metals (mg/kg)	NYSDEC SCOs			Post-excavation End-point Soil Analytical Data				
				C1-4 Original Sample Location			Supplemental Endpoint Samples	
				Side-wall Samples		Bottom Sample	Side-wall Samples	
				C1-EP#26 (1')	C1-EP#27 (1')	C1-EP#25 (3')	C1-EP#31 (1')	C1-EP#32 (1')
Aluminum	NA	NA	NA	10,000	12,200	11,800	12,100	3,620
Antimony	NA	NA	NA	3.9 U	3.9 U	3.8 U	4.6 U	4.1 U
Arsenic	13	16	16	2.7 J	5.8	4.5	5.9	3.0 J
Barium	350	350	820	32.2 J	78.3	41.2	44.1 J	30.5 J
Beryllium	7.2	14	47	0.24 J	0.56	0.57	0.59	0.31 J
Cadmium	2.5	2.5	7.5	0.78 U	0.78 U	0.75 U	0.27 J	0.82 U
Calcium	NA	NA	NA	924 J	2,220	1,540	8,720	607 J
Chromium ¹	30	36	NS	15.1	19.2	21.8	17.0	9.4
Cobalt	NA	NA	NA	3.9 J	12.8	4.4 J	14.6	2.9 J
Copper	50	270	1,720	8.8	8.5	8.7	11.2	6.6
Iron	NA	NA	NA	13,900	23,100	25,400	19,200	9,350
Lead	63	400	450	9.0	13.6	8.8	10.6	7.5
Magnesium	NA	NA	NA	1,410	2,250	2,000	2,490	913 J
Manganese	1,600	2,000	2,000	101	5,140	777	668	151
Nickel	30	140	130	7.1 J	11.7	10.0	11.0 B	5.5 J B
Potassium	NA	NA	NA	529 J	637 J	564 J	796 J	515 J
Selenium	3.9	36	4	3.9 U	3.9 U	3.8 U	4.6 U	4.1 U
Silver	2	36	8.3	1.9 U	2.0 U	1.9 U	2.3 U	2.1 U
Sodium	NA	NA	NA	193 J	117 J	141 J	1,140 U	1,030 U
Thallium	NA	NA	NA	3.9 U	3.2 J	3.8 U	4.6 U	4.1 U
Vanadium	NA	NA	NA	22.0	31.5	28.6	29.0	10.2 J
Zinc	109	2,200	2,480	35.1	34.6	24.4	77.8	21.5
Mercury	0.18	0.81	0.73	0.019 U	0.018 U	0.019 U	0.017 J	0.019 U

Notes

J : Sample result is greater than the MDL but below the CRDL

U : Indicates analyzed for but not detected.

B: Indicates analyte detected in blank.

¹ Trivalent chromium SCOs utilized.

Highlighted / bolded indicates analyte exceeded above its respective NYSDEC Unrestricted SCO.

NA - Not Available

Indicates that sample locations were removed as part of supplemental soil excavation activities.

Table 6-45
TCL VOC Soil Analytical Data
Post-excavation End-point Soil Analytical Data - South C1 Area

TCL VOCs (mg/kg)	NYSDC Unrestricted SCO	Post-excavation End-point Soil Analytical Data - South C1 Area																				Bottom Samples				
		Side-wall Samples																								
		C1a-EP#12 (#)	C1a-EP#13 (#)	C1a-EP#14 (#)	C1a-EP#15 (#)	C1a-EP#16 (#)	C1a-EP#17 (#)	C1a-EP#18 (#)	C1a-EP#19 (#)	C1a-EP#20 (#)	C1a-EP#21 (#)	C1a-EP#22 (#)	C1a-EP#23 (#)	C1a-EP#24 (#)	C1a-EP#25 (#)	C1a-EP#26 (#)	C1a-EP#27 (#)	C1a-EP#28 (#)	C1a-EP#29 (#)	C1a-EP#30 (#)						
1,1,1-Trichloroethane	0.68	0.0013 U	0.0013 U	0.00096 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U						
1,1,2,2-Tetrachloroethane	NA	0.0013 U	0.0013 U	0.00096 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U						
1,1,2-Trichloroethane	0.27	0.0013 U	0.0013 U	0.00096 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U						
1,1-Dichloroethane	0.33	0.0013 U	0.0013 U	0.00096 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U						
1,1-Dichloroethane	0.27	0.0013 U	0.0013 U	0.00096 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U						
1,2,3-Trichlorobenzene	NA	0.0013 U	0.0013 U	0.00096 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U						
1,2,4-Trichlorobenzene	NA	0.0013 U	0.0013 U	0.00096 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U						
1,2-Dibromobenzene	NA	0.0013 U	0.0013 U	0.00096 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U						
1,2-Dibromobenzene	1.1	0.0013 U	0.0013 U	0.00096 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U						
1,2-Dichlorobenzene	0.02	0.0013 U	0.0013 U	0.00096 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U						
1,2-Dichloropropane	NA	0.0013 U	0.0013 U	0.00096 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U						
1,3-Dichlorobenzene	2.4	0.0013 U	0.0013 U	0.00096 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U						
1,4-Dichlorobenzene	8	0.0013 U	0.0013 U	0.00096 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U						
1,4-Dioxane	0.1	0.027 U	0.026 U	0.019 U	0.025 U	0.024 U	0.023 U	0.022 U	0.021 U	0.020 U	0.019 U	0.018 U	0.017 U	0.016 U	0.015 U	0.014 U	0.013 U	0.012 U	0.011 U	0.010 U						
2-Butanone (MEK)	0.12	0.037	0.0065 U	0.0048 U	0.0061 U	0.0053 U	0.0050 U	0.0048 U	0.0043	0.0039 U	0.0036 U	0.0033 U	0.0030 U	0.0027 U	0.0024 U	0.0021 U	0.0018 U	0.0015 U	0.0012 U	0.0009 U						
2-Hexanone	NA	0.0065 U	0.0065 U	0.0048 U	0.0061 U	0.0053 U	0.0050 U	0.0048 U	0.0043	0.0039 U	0.0036 U	0.0033 U	0.0030 U	0.0027 U	0.0024 U	0.0021 U	0.0018 U	0.0015 U	0.0012 U	0.0009 U						
4-Methyl-2-pentanone	NA	0.0065 U	0.0065 U	0.0048 U	0.0061 U	0.0053 U	0.0050 U	0.0048 U	0.0043	0.0039 U	0.0036 U	0.0033 U	0.0030 U	0.0027 U	0.0024 U	0.0021 U	0.0018 U	0.0015 U	0.0012 U	0.0009 U						
Acetone	0.05	0.022	0.0065 U	0.0039	0.0061 U	0.0053 U	0.0050 U	0.0048 U	0.0043	0.0039 U	0.0036 U	0.0033 U	0.0030 U	0.0027 U	0.0024 U	0.0021 U	0.0018 U	0.0015 U	0.0012 U	0.0009 U						
Benzene	0.06	0.015 U	0.0013 U	0.00096 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U						
Bromochloromethane	NA	0.0013 U	0.0013 U	0.00096 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U						
Bromodichloromethane	NA	0.0013 U	0.0013 U	0.00096 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U						
Bromofrom	NA	0.0013 U	0.0013 U	0.00096 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U						
Bromomethane	NA	0.0013 U	0.0013 U	0.00096 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U						
Carbon disulfide	NA	0.0007 U	0.0013 U	0.00096 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U						
Carbon tetrachloride	0.76	0.0013 U	0.0013 U	0.00096 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U						
Chlorobenzene	1	0.0013 U	0.0013 U	0.00096 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U						
Chloroethane	NA	0.0013 U	0.0013 U	0.00096 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U						
Chlorofrom	0.37	0.0013 U	0.0013 U	0.00096 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U						
Chloromethane	NA	0.0013 U	0.0013 U	0.00096 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U						
cis-1,2-Dichloroethene	0.25	0.0077	0.00093 U	0.0024	0.0012	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U						
cis-1,3-Dichloropropene	NA	0.0013 U	0.0013 U	0.00096 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U						
Cyclohexane	0.04	0.0013 U	0.0013 U	0.00096 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U						
Cyclohexene	NA	0.0013 U	0.0013 U	0.00096 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U						
Dibromochloromethane	NA	0.0013 U	0.0013 U	0.00096 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U						
Dichlorodifluoromethane	NA	0.0013 U	0.0013 U	0.00096 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U						
Ethylbenzene	1	0.0013 U	0.0013 U	0.00096 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U						
Freon 113	NA	0.0013 U	0.0013 U	0.00096 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U						
Isopropylbenzene	NA	0.0013 U	0.0013 U	0.00096 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U						
m,p-Xylene	0.06	0.0013 U	0.0013 U	0.00096 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U						
Methyl acetate	NA	0.0013 U	0.0013 U	0.00096 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U						
Methylcyclohexane	NA	0.0013 U	0.0013 U	0.00096 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U						
Methylene Chloride	0.05	0.0088 U	0.0013 U	0.00096 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U						
MTBE	0.93	0.0013 U	0.0013 U	0.00096 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U						
Naphthalene	12	0.0013 U	0.0013 U	0.00096 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U						
p-Xylene	0.26	0.0013 U	0.0013 U	0.00096 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U						
Styrene	0.0A	0.0013 U	0.0013 U	0.00096 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U						
Tetrachloroethene	1.3	0.0013 U	0.0013 U	0.00096 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U						
Toluene	0.7	0.0013 U	0.0013 U	0.00096 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.001											

Notes
ND: TIC not detected
J : Indicates an estimated value.
J N : Indicates an estimated value
U : Analyzed for but not detected.
NA : Not Available

Table 6-46
TCL SVOC Soil Analytical Data
Post-excavation End-point Soil Analytical Data - South C1 Area

		Post-excavation End-point Soil Analytical Data - South C1 Are																							
		Side-wall Samples																Bottom Samples							
		C1a-EP#2 (2)	C1a-EP#3 (6)	C1a-EP#7 (2)	C1a-EP#8 (6)	C1a-EP#9 (2)	C1a-EP#10 (6)	C1a-EP#13 (2)	C1a-EP#14 (6)	C1a-EP#15 (2)	C1a-EP#16 (4)	C1a-EP#17 (4)	C1a-EP#18 (4)	C1a-EP#19 (1)	C1a-EP#20 (4)	C1a-EP#21 (1)	C1a-EP#22 (4)	C1a-EP#1 (6)	C1a-EP#4 (6)	C1a-EP#5 (6)	C1a-EP#6 (6)	C1a-EP#11 (6)	C1a-EP#12 (6)		
TCL SVOCs (mg/kg)	NYSDEC Unrestricted SCO	1,2,4,5-Tetrachlorobenzene	NA	0.37 U	0.78 U	0.38 U	0.40 U	0.81 U	0.48 U	0.76 U	0.38 U	0.41 U	0.43 U	0.39 U	0.38 U	0.36 U	0.39 U	0.42 U	0.4 U	0.39 U	0.40 U	0.40 U	0.40 U		
1,4-Dioxane	0.1	0.37 U	0.78 U	0.38 U	0.40 U	0.81 U	0.48 U	0.76 U	0.38 U	0.40 U	0.37 U	0.41 U	0.43 U	0.39 U	0.38 U	0.36 U	0.39 U	0.42 U	0.4 U	0.39 U	0.40 U	0.40 U	0.40 U		
2,2'-oxybis[1-chloropropane	NA	0.37 U	0.78 U	0.38 U	0.40 U	0.81 U	0.48 U	0.76 U	0.38 U	0.40 U	0.37 U	0.41 U	0.43 U	0.39 U	0.38 U	0.36 U	0.39 U	0.42 U	0.4 U	0.39 U	0.40 U	0.40 U	0.40 U		
2,3,4,6-Tetrachloropheno	NA	0.37 U	0.78 U	0.38 U	0.40 U	0.81 U	0.48 U	0.76 U	0.38 U	0.40 U	0.37 U	0.41 U	0.43 U	0.39 U	0.38 U	0.36 U	0.39 U	0.42 U	0.4 U	0.39 U	0.40 U	0.40 U	0.40 U		
2,4,5-Trichloropheno	NA	0.37 U	0.78 U	0.38 U	0.40 U	0.81 U	0.48 U	0.76 U	0.38 U	0.40 U	0.37 U	0.41 U	0.43 U	0.39 U	0.38 U	0.36 U	0.39 U	0.42 U	0.4 U	0.39 U	0.40 U	0.40 U	0.40 U		
2,4,6-Trichloropheno	NA	0.37 U	0.78 U	0.38 U	0.40 U	0.81 U	0.48 U	0.76 U	0.38 U	0.40 U	0.37 U	0.41 U	0.43 U	0.39 U	0.38 U	0.36 U	0.39 U	0.42 U	0.4 U	0.39 U	0.40 U	0.40 U	0.40 U		
2,4-Dichloropheno	NA	0.37 U	0.78 U	0.38 U	0.40 U	0.81 U	0.48 U	0.76 U	0.38 U	0.40 U	0.37 U	0.41 U	0.43 U	0.39 U	0.38 U	0.36 U	0.39 U	0.42 U	0.4 U	0.39 U	0.40 U	0.40 U	0.40 U		
2,4-Dimethylpheno	NA	0.37 U	0.78 U	0.38 U	0.40 U	0.81 U	0.48 U	0.76 U	0.38 U	0.40 U	0.37 U	0.41 U	0.43 U	0.39 U	0.38 U	0.36 U	0.39 U	0.42 U	0.4 U	0.39 U	0.40 U	0.40 U	0.40 U		
2,4-Dinitropheno	NA	1.1 U	2.4 U	1.1 U	1.2 U	2.4 U	1.5 U	2.3 U	1.2 U	1.2 U	1.1 U	1.2 U	1.3 U	1.2 U	1.1 U	1.2 U	1.3 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U		
2,4-Dinitrotoluene	NA	0.076 U	0.16 U	0.077 U	0.081 U	0.16 U	0.098 U	0.15 U	0.078 U	0.082 U	0.075 U	0.083 U	0.088 U	0.079 U	0.078 U	0.074 U	0.079 U	0.086 U	0.09 U	0.081 U	0.079 U	0.081 U	0.081 U		
2,6-Dinitrotoluene	NA	0.076 U	0.16 U	0.077 U	0.081 U	0.16 U	0.098 U	0.15 U	0.078 U	0.082 U	0.075 U	0.083 U	0.088 U	0.079 U	0.078 U	0.074 U	0.079 U	0.086 U	0.09 U	0.081 U	0.079 U	0.081 U	0.081 U		
2-Chloronaphthalene	NA	0.37 U	0.78 U	0.38 U	0.40 U	0.81 U	0.48 U	0.76 U	0.38 U	0.40 U	0.37 U	0.41 U	0.43 U	0.39 U	0.38 U	0.36 U	0.39 U	0.42 U	0.4 U	0.39 U	0.40 U	0.40 U	0.40 U		
2-Chloropheno	NA	0.37 U	0.78 U	0.38 U	0.40 U	0.81 U	0.48 U	0.76 U	0.38 U	0.40 U	0.37 U	0.41 U	0.43 U	0.39 U	0.38 U	0.36 U	0.39 U	0.42 U	0.4 U	0.39 U	0.40 U	0.40 U	0.40 U		
2-Methylnaphthalene	NA	0.37 U	0.78 U	0.38 U	0.40 U	0.15 J	0.48 U	0.11 J	0.38 U	0.40 U	0.37 U	0.41 U	0.43 U	0.081 J	0.38 U	0.36 U	0.39 U	0.42 U	0.4 U	0.39 U	0.40 U	0.40 U	0.40 U		
2-Methylpheno	0.33	0.37 U	0.78 U	0.38 U	0.40 U	0.81 U	0.48 U	0.76 U	0.38 U	0.40 U	0.37 U	0.41 U	0.43 U	0.39 U	0.38 U	0.36 U	0.39 U	0.42 U	0.4 U	0.39 U	0.40 U	0.40 U	0.40 U		
2-Nitroaniline	NA	0.76 U	1.6 U	0.77 U	0.81 U	1.6 U	0.98 U	1.5 U	0.78 U	0.82 U	0.75 U	0.83 U	0.88 U	0.79 U	0.78 U	0.74 U	0.79 U	0.86 U	0.81 U	0.79 U	0.81 U	0.81 U	0.81 U		
2-Nitrophenol	NA	0.37 U	0.78 U	0.38 U	0.40 U	0.81 U	0.48 U	0.76 U	0.38 U	0.40 U	0.37 U	0.41 U	0.43 U	0.39 U	0.38 U	0.36 U	0.39 U	0.42 U	0.4 U	0.39 U	0.40 U	0.40 U	0.40 U		
3,3'-Dichlorobenzidine	NA	0.76 U	1.6 U	0.77 U	0.81 U	1.6 U	0.98 U	1.5 U	0.78 U	0.82 U	0.75 U	0.83 U	0.88 U	0.79 U	0.78 U	0.74 U	0.79 U	0.86 U	0.81 U	0.79 U	0.81 U	0.81 U	0.81 U		
3-Nitroaniline	NA	0.76 U	1.6 U	0.77 U	0.81 U	1.6 U	0.98 U	1.5 U	0.78 U	0.82 U	0.75 U	0.83 U	0.88 U	0.79 U	0.78 U	0.74 U	0.79 U	0.86 U	0.81 U	0.79 U	0.81 U	0.81 U	0.81 U		
4,6-Dinitro-2-methylpheno	NA	1.1 U	2.4 U	1.1 U	1.2 U	2.4 U	1.5 U	2.3 U	1.2 U	1.2 U	1.1 U	1.2 U	1.3 U	1.2 U	1.1 U	1.2 U	1.3 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U		
4-Bromophenyl phenyl ethe	NA	0.37 U	0.78 U	0.38 U	0.40 U	0.81 U	0.48 U	0.76 U	0.38 U	0.40 U	0.37 U	0.41 U	0.43 U	0.39 U	0.38 U	0.36 U	0.39 U	0.42 U	0.4 U	0.39 U	0.40 U	0.40 U	0.40 U		
4-Chloro-3-methylpheno	NA	0.37 U	0.78 U	0.38 U	0.40 U	0.81 U	0.48 U	0.76 U	0.38 U	0.40 U	0.37 U	0.41 U	0.43 U	0.39 U	0.38 U	0.36 U	0.39 U	0.42 U	0.4 U	0.39 U	0.40 U	0.40 U	0.40 U		
4-Chloroaniline	NA	0.37 U	0.78 U	0.38 U	0.40 U	0.81 U	0.48 U	0.76 U	0.38 U	0.40 U	0.37 U	0.41 U	0.43 U	0.39 U	0.38 U	0.36 U	0.39 U	0.42 U	0.4 U	0.39 U	0.40 U	0.40 U	0.40 U		
4-Chlorophenyl phenyl ethe	NA	0.37 U	0.78 U	0.38 U	0.40 U	0.81 U	0.48 U	0.76 U	0.38 U	0.40 U	0.37 U	0.41 U	0.43 U	0.39 U	0.38 U	0.36 U	0.39 U	0.42 U	0.4 U	0.39 U	0.40 U	0.40 U	0.40 U		
4-Methylpheno	0.33	0.37 U	0.78 U	0.38 U	0.40 U	0.81 U	0.48 U	0.76 U	0.38 U	0.40 U	0.37 U	0.41 U	0.43 U	0.39 U	0.38 U	0.36 U	0.39 U	0.42 U	0.4 U	0.39 U	0.40 U	0.40 U	0.40 U		
4-Nitroaniline	NA	0.76 U	1.6 U	0.77 U	0.81 U	1.6 U	0.98 U	1.5 U	0.78 U	0.82 U	0.75 U	0.83 U	0.88 U	0.79 U	0.78 U	0.74 U	0.79 U	0.86 U	0.81 U	0.79 U	0.81 U	0.81 U	0.81 U		
4-Nitrophenol	NA	1.1 U	2.4 U	1.1 U	1.2 U	2.4 U	1.5 U	2.3 U	1.2 U	1.2 U	1.1 U	1.2 U	1.3 U	1.2 U	1.1 U	1.2 U	1.3 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U		
Acenaphthene	20	0.072 J	0.78 U	0.38 U	0.40 U	0.68 J	0.48 U	0.68 J	0.38 U	0.40 U	0.070 J	0.41 U	0.43 U	0.35 J	0.38 U	0.39	0.091 J	0.42 U	0.55 J	0.40 U	0.39 U	0.40 U	0.40 U		
Acenaphthylene	100	0.37 U	0.48 U	0.11 J	0.38 U	0.40 U	0.81 U	0.48 U	0.14 J	0.38 U	0.39 U	0.41 U	0.43 U	0.39 U	0.38 U	0.36 U	0.39 U	0.42 U	0.4 U	0.40 U	0.39 U	0.40 U	0.40 U		
Acetophenone	NA	0.37 U	0.78 U	0.38 U	0.40 U	0.81 U	0.48 U	0.76 U	0.38 U	0.40 U	0.37 U	0.41 U	0.43 U	0.39 U	0.38 U	0.36 U	0.39 U	0.42 U	0.4 U	0.40 U	0.39 U	0.40 U	0.40 U		
Anthracene	100	0.098 J	0.44 J	0.18 J	0.40 U	1.5	0.48 U	1.7	0.38 U	0.067 J	0.23 J	0.41 U	0.15 J	0.84	0.38 U	0.84	0.15 J	0.14 J	1.5 J	0.40 U	0.39 U	0.40 U	0.40 U		
Atrazine	NA	0.37 U	0.78 U	0.38 U	0.40 U	0.81 U	0.48 U	0.76 U	0.38 U	0.40 U	0.37 U	0.41 U	0.43 U	0.39 U	0.38 U	0.36 U	0.39 U	0.42 U	0.4 U	0.40 U	0.39 U	0.40 U	0.40 U		
Benzaldehyde	NA	0.37 U	0.78 U	0.38 U	0.40 U	0.81 U	0.48 U	0.76 U	0.38 U	0.40 U	0.37 U	0.41 U	0.43 U	0.39 U	0.38 U	0.36 U	0.39 U	0.42 U	0.4 U	0.40 U	0.39 U	0.40 U	0.40 U		
Benzo[a]anthracene	1	0.46	4.1	1.2	0.040 U	4.4	0.16	6.4	0.038 U	0.41	1.1	0.20	0.23	2.7	0.038 U	2.4	0.45	0.67	5.1	0.040 U	0.039 U	0.040 U	0.040 U		
Benzo[a]pyrene	1	0.96	5.8 J	1.9 J	0.040 U	4.5	0.18	9.1	0.038 U	0.40	1.2	0.19	0.18	2.1	0.038 U	2.5	0.45	1.4 J	6.0 J	0.040 U	0.039 U	0.040 U	0.040 U		
Benzo[b]fluoranthene	1	1.2	8.2	2.6	0.040 U	5.2	0.23	11	0.038 U	0.48	1.4	0.22	0.21	2.4	0.038 U	2.9	0.51	1.5	7.0	0.040 U	0.039 U	0.040 U	0.040 U		
Benzo[g,h,i]perylene	100	0.51	1.5	0.39	0.40 U	2.8	0.095 J	2.7	0.33	0.097 J	0.43	0.097 J	0.21 J	1.0	0.38 U	1.2	0.93	2.2 J	0.40 U	0.39 U	0.40 U	0.40 U	0.40 U		
Benzo[k]fluoranthene	0.8	0.49	3.1	1.2	0.040 U	2.1	0.076	4.5	0.038 U	0.17	0.50														

Table 6-46
TCL SVOC Soil Analytical Data
Post-excavation End-point Soil Analytical Data - South C1 Area

TCL SVOCs (mg/kg)	NYSDEC SCOs					Post-excavation End-point Soil Analytical Data - South C1 Area																						
	Unrestricted SCO	Residential	Restricted Residential	Commercial	Protection of Groundwater	Supplemental Side-wall Samples											Supplemental Bottom Sample	Supplemental Side-wall Samples										
						C1a-EP#23	C1a-EP#24	C1a-EP#25	C1a-EP#26	C1a-EP#27	C1a-EP#28	C1a-EP#29	C1a-EP#30	C1a-EP#32	C1a-EP#33	C1a-EP#31	C1a-EP#34	C1a-EP#35	C1a-EP#36	C1a-EP#37	C1a-EP#38	C1a-EP#38 BD	C1a-EP#39	C1a-EP#40	C1a-EP#41	C1a-EP#42		
						(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	
1,2,4,5-Tetrachlorobenzene	NA	NA	NA	NA	0.38 U	0.36 U	0.49 U	0.38 U	0.36 U	0.77 U	0.63 U	0.39 U	0.37 U	0.76 U	0.43 U	0.36 U	0.42 U	0.38 U	0.39 U	0.40 U	0.39 U	0.39 U	0.39 U	0.38 U	0.39 U	0.38 U	0.39 U	
1,4-Dioxane	0.1	9.8	13	130	0.1	0.38 U	0.36 U	0.49 U	0.38 U	0.36 U	0.77 U	0.63 U	0.39 U	0.37 U	0.76 U	0.43 U	0.36 U	0.42 U	0.38 U	0.39 U	0.40 U	0.39 U	0.39 U	0.39 U	0.38 U	0.39 U	0.38 U	0.39 U
2,2'-oxybis[1-chloropropane]	NA	NA	NA	NA	NA	0.38 U	0.36 U	0.49 U	0.38 U	0.36 U	0.77 U	0.63 U	0.39 U	0.37 U	0.76 U	0.43 U	0.36 U	0.42 U	0.38 U	0.39 U	0.40 U	0.39 U	0.39 U	0.39 U	0.38 U	0.39 U	0.38 U	0.39 U
2,3,4,6-Tetrachlorophenol	NA	NA	NA	NA	NA	0.38 U	0.36 U	0.49 U	0.38 U	0.36 U	0.77 U	0.63 U	0.39 U	0.37 U	0.76 U	0.43 U	0.36 U	0.42 U	0.38 U	0.39 U	0.40 U	0.39 U	0.39 U	0.39 U	0.38 U	0.39 U	0.38 U	0.39 U
2,4,5-Trichlorophenol	NA	NA	NA	NA	NA	0.38 U	0.36 U	0.49 U	0.38 U	0.36 U	0.77 U	0.63 U	0.39 U	0.37 U	0.76 U	0.43 U	0.36 U	0.42 U	0.38 U	0.39 U	0.40 U	0.39 U	0.39 U	0.39 U	0.38 U	0.39 U	0.38 U	0.39 U
2,4,6-Trichlorophenol	NA	NA	NA	NA	NA	0.38 U	0.36 U	0.49 U	0.38 U	0.36 U	0.77 U	0.63 U	0.39 U	0.37 U	0.76 U	0.43 U	0.36 U	0.42 U	0.38 U	0.39 U	0.40 U	0.39 U	0.39 U	0.39 U	0.38 U	0.39 U	0.38 U	0.39 U
2,4-Dichlorophenol	NA	NA	NA	NA	NA	0.38 U	0.36 U	0.49 U	0.38 U	0.36 U	0.77 U	0.63 U	0.39 U	0.37 U	0.76 U	0.43 U	0.36 U	0.42 U	0.38 U	0.39 U	0.40 U	0.39 U	0.39 U	0.39 U	0.38 U	0.39 U	0.38 U	0.39 U
2,4-Dimethylphenol	NA	NA	NA	NA	NA	0.38 U	0.36 U	0.49 U	0.38 U	0.36 U	0.77 U	0.63 U	0.39 U	0.37 U	0.76 U	0.43 U	0.36 U	0.42 U	0.38 U	0.39 U	0.40 U	0.39 U	0.39 U	0.39 U	0.38 U	0.39 U	0.38 U	0.39 U
2,4-Dinitrophenol	NA	NA	NA	NA	NA	1.1 U	1.1 U	1.5 U	1.1 U	2.3 U	0.77 U	0.63 U	0.39 U	0.37 U	0.76 U	0.43 U	0.36 U	0.42 U	0.38 U	0.39 U	0.40 U	0.39 U	0.39 U	0.39 U	0.38 U	0.39 U	0.38 U	0.39 U
2,4-Dinitrotoluene	NA	NA	NA	NA	NA	0.076 U	0.072 U	0.10 U	0.077 U	0.47 U	0.16 U	0.13 U	0.079 U	0.075 U	0.15 U	0.087 U	0.073 U	0.084 U	0.077 U	0.079 U	0.082 U	0.080 U	0.080 U	0.079 U	0.077 U	0.078 U	0.078 U	0.078 U
2,6-Dinitrotoluene	NA	NA	NA	NA	NA	0.076 U	0.072 U	0.10 U	0.077 U	0.47 U	0.16 U	0.13 U	0.079 U	0.075 U	0.15 U	0.087 U	0.073 U	0.084 U	0.077 U	0.079 U	0.082 U	0.080 U	0.080 U	0.079 U	0.077 U	0.078 U	0.078 U	0.078 U
2-Chloronaphthalene	NA	NA	NA	NA	NA	0.38 U	0.36 U	0.49 U	0.38 U	0.36 U	0.77 U	0.63 U	0.39 U	0.37 U	0.76 U	0.43 U	0.36 U	0.42 U	0.38 U	0.39 U	0.40 U	0.39 U	0.39 U	0.39 U	0.38 U	0.39 U	0.38 U	0.39 U
2-Chlorophenol	NA	NA	NA	NA	NA	0.38 U	0.36 U	0.49 U	0.38 U	0.36 U	0.77 U	0.63 U	0.39 U	0.37 U	0.76 U	0.43 U	0.36 U	0.42 U	0.38 U	0.39 U	0.40 U	0.39 U	0.39 U	0.39 U	0.38 U	0.39 U	0.38 U	0.39 U
2-Methylnaphthalene	NA	NA	NA	NA	NA	0.38 U	0.36 U	0.49 U	0.38 U	0.36 U	0.77 U	0.63 U	0.39 U	0.37 U	0.76 U	0.43 U	0.36 U	0.42 U	0.38 U	0.39 U	0.40 U	0.39 U	0.39 U	0.39 U	0.38 U	0.39 U	0.38 U	0.39 U
2-Methylphenol	0.33	100	100	500	0.33	0.38 U	0.36 U	0.49 U	0.38 U	0.36 U	0.77 U	0.63 U	0.39 U	0.37 U	0.76 U	0.43 U	0.36 U	0.42 U	0.38 U	0.39 U	0.40 U	0.39 U	0.39 U	0.39 U	0.38 U	0.39 U	0.38 U	0.39 U
2-Nitroaniline	NA	NA	NA	NA	NA	0.76 U	0.72 U	1.0 U	0.77 U	4.7 U	1.6 U	1.3 U	0.79 U	0.75 U	1.5 U	0.87 U	0.73 U	0.84 U	0.77 U	0.79 U	0.82 U	0.80 U	0.80 U	0.79 U	0.77 U	0.78 U	0.78 U	0.78 U
2-Nitrophenol	NA	NA	NA	NA	NA	0.38 U	0.36 U	0.49 U	0.38 U	0.36 U	0.77 U	0.63 U	0.39 U	0.37 U	0.76 U	0.43 U	0.36 U	0.42 U	0.38 U	0.39 U	0.40 U	0.39 U	0.39 U	0.39 U	0.38 U	0.39 U	0.38 U	0.39 U
3,3'-Dichlorobenzidine	NA	NA	NA	NA	NA	0.76 U	0.72 U	1.0 U	0.77 U	4.7 U	1.6 U	1.3 U	0.79 U	0.75 U	1.5 U	0.87 U	0.73 U	0.84 U	0.77 U	0.79 U	0.82 U	0.80 U	0.80 U	0.79 U	0.77 U	0.78 U	0.78 U	0.78 U
3-Nitroaniline	NA	NA	NA	NA	NA	0.76 U	0.72 U	1.0 U	0.77 U	4.7 U	1.6 U	1.3 U	0.79 U	0.75 U	1.5 U	0.87 U	0.73 U	0.84 U	0.77 U	0.79 U	0.82 U	0.80 U	0.80 U	0.79 U	0.77 U	0.78 U	0.78 U	0.78 U
4,6-Dinitro-2-methylphenol	NA	NA	NA	NA	NA	1.1 U	1.1 U	1.5 U	1.1 U	7.1 U	2.3 U	1.9 U	1.2 U	1.1 U	2.3 U	1.3 U	1.1 U	1.3 U	1.1 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.1 U	1.2 U	1.2 U	1.2 U
4-Bromophenyl phenyl ether	NA	NA	NA	NA	NA	0.38 U	0.36 U	0.49 U	0.38 U	0.36 U	0.77 U	0.63 U	0.39 U	0.37 U	0.76 U	0.43 U	0.36 U	0.42 U	0.38 U	0.39 U	0.40 U	0.39 U	0.39 U	0.39 U	0.38 U	0.39 U	0.38 U	0.39 U
4-Chloro-3-methylphenol	NA	NA	NA	NA	NA	0.38 U	0.36 U	0.49 U	0.38 U	0.36 U	0.77 U	0.63 U	0.39 U	0.37 U	0.76 U	0.43 U	0.36 U	0.42 U	0.38 U	0.39 U	0.40 U	0.39 U	0.39 U	0.39 U	0.38 U	0.39 U	0.38 U	0.39 U
4-Chloroaniline	NA	NA	NA	NA	NA	0.38 U	0.36 U	0.49 U	0.38 U	0.36 U	0.77 U	0.63 U	0.39 U	0.37 U	0.76 U	0.43 U	0.36 U	0.42 U	0.38 U	0.39 U	0.40 U	0.39 U	0.39 U	0.39 U	0.38 U	0.39 U	0.38 U	0.39 U
4-Chlorophenyl phenyl ether	NA	NA	NA	NA	NA	0.38 U	0.36 U	0.49 U	0.38 U	0.36 U	0.77 U	0.63 U	0.39 U	0.37 U	0.76 U	0.43 U	0.36 U	0.42 U	0.38 U	0.39 U	0.40 U	0.39 U	0.39 U	0.39 U	0.38 U	0.39 U	0.38 U	0.39 U
4-Methylphenol	0.33	34	100	500	0.33	0.38 U	0.36 U	0.49 U	0.38 U	0.36 U	0.77 U	0.63 U	0.39 U	0.37 U	0.76 U	0.43 U	0.36 U	0.42 U	0.38 U	0.39 U	0.40 U	0.39 U	0.39 U	0.39 U	0.38 U	0.39 U	0.38 U	0.39 U
4-Nitroaniline	NA	NA	NA	NA	NA	0.76 U	0.72 U	1.0 U	0.77 U	4.7 U	1.6 U	1.3 U	0.79 U	0.75 U	1.5 U	0.87 U	0.73 U	0.84 U	0.77 U	0.79 U	0.82 U	0.80 U	0.80 U	0.79 U	0.77 U	0.78 U	0.78 U	0.78 U
4-Nitrophenol	NA	NA	NA	NA	NA	1.1 U	1.1 U	1.5 U	1.1 U	7.1 U	2.3 U	1.9 U	1.2 U	1.1 U	2.3 U	1.3 U	1.1 U	1.3 U	1.1 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.1 U	1.2 U	1.2 U	1.2 U
Acenaphthene	20	100	100	500	98	0.38 U	0.36 U	0.49 U	0.38 U	0.36 U	0.77 U	0.63 U	0.39 U	0.37 U	0.76 U	0.43 U	0.36 U	0.42 U	0.38 U	0.39 U	0.40 U	0.39 U	0.39 U	0.39 U	0.38 U	0.39 U	0.38 U	0.39 U
Acenaphthylene	100	100	100	500	107	0.38 U	0.36 U	0.49 U	0.38 U	0.36 U	0.77 U	0.63 U	0.39 U	0.37 U	0.76 U	0.43 U	0.36 U	0.42 U	0.38 U	0.39 U	0.40 U	0.39 U	0.39 U	0.39 U	0.38 U	0.39 U	0.38 U	0.39 U
Acetophenone	NA	NA	NA	NA	NA	0.38 U	0.36 U	0.49 U	0.38 U	0.36 U	0.77 U	0.63 U	0.39 U	0.37 U	0.76 U	0.43 U	0.36 U	0.42 U	0.38 U	0.39 U	0.40 U	0.39 U	0.39 U	0.39 U	0.38 U	0.39 U	0.38 U	0.39 U
Anthracene	100	100	100	500	1,000	0.38 U	0.36 U	0.22 J	0.38 U	8.5	1.8	0.63 U	0.062 J	0.066 J	1.6	0.43 U	0.47	0.74	0.29 J	0.19 J	0.40 U	0.39 U	0.39 U	0.39 U	0.38 U	0.39 U	0.38 U	0.39 U
Atrazine	NA	NA	NA	NA	NA	0.38 U	0.36 U	0.49 U	0.38 U	0.36 U	0.77 U	0.63 U	0.39 U	0.37 U	0.76 U	0.43 U	0.36 U	0.42 U	0.38 U	0.39 U	0.40 U	0.39 U	0.39 U	0.39 U	0.38 U	0.39 U	0.38 U	0.39 U
Benzaldehyde	NA	NA	NA	NA	NA	0.38 U	0.36 U	0.49 U	0.38 U	0.36 U	0.77 U	0.63 U	0.39 U	0.37 U	0.76 U	0.43 U	0.36 U	0.42 U	0.38 U	0.39 U	0.40 U	0.39 U	0.39 U	0.39 U	0.38 U	0.39 U	0.38 U	0.39 U
Benzol[a]anthracene	1	1	1	5.6	1	0.038 U	0.034 U	0.16	0.038 U	0.19	0.11	0.063 U	0.035	0.067	0.58	0.043 U	0.043 U	0.16	0.17	0.76	0.61	0.23	0.039 U	0.039 U	0.38 U	0.39 U	0.38 U	0.

Table 6-36
TCL SVOC Soil Analytical Data
Post-excavation End-point Soil Analytical Data - South C1 Area

TCL SVOCs (mg/kg)	NYSDEC SCOs					Post-excavation End-point Soil Analytical Data						
	Unrestricted	Residential	Restricted Residential	Commercial	Protection of Groundwater	South C1 Area						
						Co-located Bottom and Sidewall Samples						
						Cla-EP#47 (4)	Cla-EP#48 (4)	Cla-EP#49 (2)	Cla-EP#50 (2)	Cla-EP#51 (2)	Cla-EP#52 (2)	Cla-EP#53 (2)
1,2,4,5-Tetrachlorobenzene	NA	NA	NA	NA	NA	0.38 U	0.37 U	0.43 U	0.37 U	0.38 U	0.36 U	0.36 U
1,4-Dioxane	0.1	9.8	13	130	0.1	0.38 U	0.37 U	0.43 U	0.37 U	0.38 U	0.36 U	0.36 U
2,2'-oxybis[1-chloropropane]	NA	NA	NA	NA	NA	0.38 U	0.37 U	0.43 U	0.37 U	0.38 U	0.36 U	0.36 U
2,3,4,6-Tetrachlorophenol	NA	NA	NA	NA	NA	0.38 U	0.37 U	0.43 U	0.37 U	0.38 U	0.36 U	0.36 U
2,4,5-Trichlorophenol	NA	NA	NA	NA	NA	0.38 U	0.37 U	0.43 U	0.37 U	0.38 U	0.36 U	0.36 U
2,4,6-Trichlorophenol	NA	NA	NA	NA	NA	0.38 U	0.37 U	0.43 U	0.37 U	0.38 U	0.36 U	0.36 U
2,4-Dichlorophenol	NA	NA	NA	NA	NA	0.38 U	0.37 U	0.43 U	0.37 U	0.38 U	0.36 U	0.36 U
2,4-Dimethylphenol	NA	NA	NA	NA	NA	0.38 U	0.37 U	0.43 U	0.37 U	0.38 U	0.36 U	0.36 U
2,4-Dinitrophenol	NA	NA	NA	NA	NA	0.76 U	0.76 U	0.88 U	0.75 U	0.77 U	0.72 U	0.74 U
2,4-Dinitrotoluene	NA	NA	NA	NA	NA	0.076 U	0.076 U	0.088 U	0.075 U	0.077 U	0.072 U	0.074 U
2,6-Dinitrotoluene	NA	NA	NA	NA	NA	0.076 U	0.076 U	0.088 U	0.075 U	0.077 U	0.072 U	0.074 U
2-Chloronaphthalene	NA	NA	NA	NA	NA	0.38 U	0.37 U	0.43 U	0.37 U	0.38 U	0.36 U	0.36 U
2-Chlorophenol	NA	NA	NA	NA	NA	0.38 U	0.37 U	0.43 U	0.37 U	0.38 U	0.36 U	0.36 U
2-Methylnaphthalene	NA	NA	NA	NA	NA	0.38 U	0.37 U	0.43 U	0.37 U	0.38 U	0.36 U	0.36 U
2-Methylphenol	0.33	100	100	500	0.33	0.38 U	0.37 U	0.43 U	0.37 U	0.38 U	0.36 U	0.36 U
2-Nitroaniline	NA	NA	NA	NA	NA	0.38 U	0.37 U	0.43 U	0.37 U	0.38 U	0.36 U	0.36 U
2-Nitrophenol	NA	NA	NA	NA	NA	0.38 U	0.37 U	0.43 U	0.37 U	0.38 U	0.36 U	0.36 U
3,3'-Dichlorobenzidine	NA	NA	NA	NA	NA	0.38 U	0.37 U	0.43 U	0.37 U	0.38 U	0.36 U	0.36 U
3-Nitroaniline	NA	NA	NA	NA	NA	0.38 U	0.37 U	0.43 U	0.37 U	0.38 U	0.36 U	0.36 U
4,6-Dinitro-2-methylphenol	NA	NA	NA	NA	NA	0.76 U	0.76 U	0.88 U	0.75 U	0.77 U	0.72 U	0.74 U
4-Bromophenyl phenyl ether	NA	NA	NA	NA	NA	0.38 U	0.37 U	0.43 U	0.37 U	0.38 U	0.36 U	0.36 U
4-Chloro-3-methylphenol	NA	NA	NA	NA	NA	0.38 U	0.37 U	0.43 U	0.37 U	0.38 U	0.36 U	0.36 U
4-Chloroaniline	NA	NA	NA	NA	NA	0.38 U	0.37 U	0.43 U	0.37 U	0.38 U	0.36 U	0.36 U
4-Chlorophenyl phenyl ether	NA	NA	NA	NA	NA	0.38 U	0.37 U	0.43 U	0.37 U	0.38 U	0.36 U	0.36 U
4-Methylphenol	0.33	34	100	500	0.33	0.38 U	0.37 U	0.43 U	0.37 U	0.38 U	0.36 U	0.36 U
4-Nitroaniline	NA	NA	NA	NA	NA	0.76 U	0.76 U	0.88 U	0.75 U	0.77 U	0.72 U	0.74 U
4-Nitrophenol	NA	NA	NA	NA	NA	0.38 U	0.37 U	0.43 U	0.37 U	0.38 U	0.36 U	0.36 U
Acenaphthene	20	100	100	500	98	0.38 U	0.37 U	0.071 J	0.40	0.18 J	0.10 J	0.086 J
Acenaphthylene	100	100	100	500	107	0.38 U	0.37 U	0.43 U	0.37 U	0.38 U	0.36 U	0.36 U
Acetophenone	NA	NA	NA	NA	NA	0.38 U	0.37 U	0.43 U	0.37 U	0.38 U	0.36 U	0.36 U
Anthracene	100	100	100	500	1,000	0.38 U	0.37 U	0.18 J	0.49	0.19 J	0.43	0.30 J
Atrazine	NA	NA	NA	NA	NA	0.38 U	0.37 U	0.43 U	0.37 U	0.38 U	0.36 U	0.36 U
Benzaldehyde	NA	NA	NA	NA	NA	0.38 U	0.37 U	0.43 U	0.37 U	0.38 U	0.36 U	0.36 U
Benzo[a]anthracene	1	1	1	5.6	1	0.038 U	0.14	0.61	0.72	0.17	1.4	1.0
Benzo[a]pyrene	1	1	1	22	1	0.038 U	0.16	0.49	0.63	0.17	1.5	0.85
Benzo[b]fluoranthene	1	1	1	5.6	1.7	0.038 U	0.18	0.64	0.84	0.23	1.5	1.0
Benzo[g,h,i]perylene	100	100	100	500	1,000	0.38 U	0.075 J	0.28 J	0.47	0.083 J	1.0	0.44
Benzo[k]fluoranthene	0.8	1	3.9	56	1.7	0.038 U	0.091	0.28	0.33	0.088	1.0	0.58
Bis(2-chloroethoxy)methane	NA	NA	NA	NA	NA	0.38 U	0.37 U	0.43 U	0.37 U	0.38 U	0.36 U	0.36 U
Bis(2-chloroethyl)ether	NA	NA	NA	NA	NA	0.038 U	0.037 U	0.043 U	0.037 U	0.038 U	0.036 U	0.036 U
Bis(2-ethylhexyl) phthalate	NA	NA	NA	NA	NA	0.38 U	0.37 U	0.43 U	0.37 U	0.38 U	0.36 U	0.36 U
Butyl benzyl phthalate	NA	NA	NA	NA	NA	0.38 U	0.37 U	0.43 U	0.37 U	0.38 U	0.36 U	0.36 U
Caprolactam	NA	NA	NA	NA	NA	0.38 U	0.37 U	0.43 U	0.37 U	0.38 U	0.36 U	0.36 U
Carbazole	NA	NA	NA	NA	NA	0.38 U	0.37 U	0.43 U	0.52	0.38 U	0.10 J	0.055 J
Chrysene	1	1	3.9	56	1	0.38 U	0.14 J	0.54	0.79	0.21 J	1.5	1.0
Dibenzo(a,h)anthracene	0.33	0.33	0.33	0.56	1,000	0.038 U	0.037 U	0.068	0.12	0.025 J	0.28	0.13
Dibenzofuran	7	14	59	350	210	0.38 U	0.37 U	0.43 U	0.17 J	0.10 J	0.057 J	0.36 U
Diethyl phthalate	NA	NA	NA	NA	NA	0.38 U	0.37 U	0.43 U	0.37 U	0.38 U	0.36 U	0.36 U
Dimethyl phthalate	NA	NA	NA	NA	NA	0.38 U	0.37 U	0.43 U	0.37 U	0.38 U	0.36 U	0.36 U
Di-n-butyl phthalate	NA	NA	NA	NA	NA	0.38 U	0.068 J	0.34 J	0.53	0.062 J	0.21 J	0.36 U
Di-n-octyl phthalate	NA	NA	NA	NA	NA	0.38 U	0.37 U	0.43 U	0.37 U	0.38 U	0.36 U	0.36 U
Diphenyl	NA	NA	NA	NA	NA	0.38 U	0.37 U	0.43 U	0.37 U	0.38 U	0.36 U	0.36 U
Fluoranthene	100	100	100	500	1,000	0.38 U	0.25 J	1.1	1.6	0.62	2.5	2.0
Fluorene	30	100	100	500	386	0.38 U	0.37 U	0.063 J	0.36 J	0.16 J	0.092 J	0.096 J
Hexachlorobenzene	0.33	0.33	1.2	6	3.2	0.038 U	0.037 U	0.043 U	0.037 U	0.038 U	0.036 U	0.036 U
Hexachlorobutadiene	NA	NA	NA	NA	NA	0.076 U	0.076 U	0.088 U	0.075 U	0.077 U	0.072 U	0.074 U
Hexachlorocyclopentadiene	NA	NA	NA	NA	NA	0.38 U	0.37 U	0.43 U	0.37 U	0.38 U	0.36 U	0.36 U
Hexachloroethane	NA	NA	NA	NA	NA	0.038 U	0.037 U	0.043 U	0.037 U	0.038 U	0.036 U	0.036 U
Indeno[1,2,3-cd]pyrene	0.5	0.5	0.5	5.6	8.2	0.038 U	0.082	0.30	0.46	0.082	0.95	0.42
Isophorone	NA	NA	NA	NA	NA	0.38 U	0.37 U	0.43 U	0.37 U	0.38 U	0.36 U	0.36 U
Naphthalene	12	100	100	500	12	0.38 U	0.37 U	0.43 U	0.37 U	0.38 U	0.36 U	0.36 U
Nitrobenzene	NA	NA	NA	NA	NA	0.038 U	0.037 U	0.043 U	0.037 U	0.038 U	0.036 U	0.036 U
N-Nitrosodi-n-propylamine	NA	NA	NA	NA	NA	0.038 U	0.037 U	0.043 U	0.037 U	0.038 U	0.036 U	0.036 U
N-Nitrosodiphenylamine	NA	NA	NA	NA	NA	0.38 U	0.37 U	0.43 U	0.37 U	0.38 U	0.36 U	0.36 U
Pentachlorophenol	0.8	2.4	6.7	6.7	0.8	0.76 U	0.76 U	0.88 U	0.75 U	0.77 U	0.72 U	0.74 U
Phenanthrene	100	100	100	500	1,000	0.38 U	0.12 J	0.79	2.3	1.0	2.0	1.4
Phenol	0.33	100	100	500	0.33	0.38 U	0.37 U	0.43 U	0.37 U	0.38 U	0.36 U	0.36 U
Pyrene	100	100	100	500	1,000	0.38 U	0.26 J	1.3	1.9	0.48	3.3	2.3
Pyridine	NA	NA	NA	NA	NA	0.38 U	0.37 U	0.43 U	0.37 U	0.38 U	0.36 U	0.36 U
Total SVOC TICs	NA	NA	NA	NA	NA	0.82	ND	1.849	3.60	ND	ND	1.04

Notes

ND: TIC not detected

J : Indicates an estimated value.

J N : This flag indicates the presumptive evidence of a compound.

U : Analyzed for but not detected.

Highlighted / bolded indicates analyte exceeded above its respective NYSDEC Unrestricted SCO.

Green / italicized value indicates analyte exceeded its respective unrestricted SCO but was below its respective Residential / Protection of GW SCO, whichever is lower.

Blue / italicized value indicates analyte exceeded its respective Residential SCO and / or Protection of Groundwater SCO but was below its Restricted Residential SCO.

Pink / italicized value indicates analyte exceeded its respective Residential SCO and / or Protection of Groundwater SCO but was below its Commercial SCO.

Table 6-47
TAL Metals Soil Analytical Data
Post-excavation End-point Soil Analytical Data - South C1 Area

TAL Metals (mg/kg)	NYSDEC SCOs			Post-excavation End-point Soil Analytical Data																											
				South C1a Excavation																		Bottom Samples									
				Side-wall Samples																											
				Unrestricted		Residential		Protection of Groundwater		C1a-EP#2	C1a-EP#3	C1a-EP#7	C1a-EP#8	C1a-EP#9	C1a-EP#10	C1a-EP#13	C1a-EP#14	C1a-EP#15	C1a-EP#16	C1a-EP#17	C1a-EP#18	C1a-EP#19	C1a-EP#20	C1a-EP#21	C1a-EP#22	C1a-EP#1	C1a-EP#4	C1a-EP#5	C1a-EP#6	C1a-EP#11	C1a-EP#12
				(#)	(#)	(#)	(#)	(#)	(#)	(#)	(#)	(#)	(#)	(#)	(#)	(#)	(#)	(#)	(#)	(#)	(#)	(#)	(#)	(#)	(#)	(#)	(#)	(#)	(#)	(#)	(#)
Aluminum	NA	NA	NA	9,090	9,610	7,580	7,910	9,050	15,300	11,100	8,680	9,740	9,320	9,120	17,900	8,220	8,780	7,140	11,100	6,080	11,500	8,230	7,970	8,070	8,210						
Antimony	NA	NA	NA	1.4 J	1.3 J	4.1 U	4.4 U	3.9 U	26.5 U	1.2 J	4.5 U	4.5 U	4.0 U	3.8 U	0.93 J	3.9 U	4.4 U	3.6 U	3.5 U	4.8 U	4.0 U	4.3 U	4.4 U	4.4 U	4.7 U						
Arsenic	13	16	16	8.7	25.6	0.79 J	4.2	15.7	104	19.0	2.7 J	3.1 J	2.8 J	3.1	4.8	2.0 J	2.9 J	2.8	5.3	4.0	9.4	1.1 J	0.95 J	3.2 J	0.99 J						
Barium	350	350	820	45.6	119	54.2	51.5	164	273	169	47.9	60.3	39.1 J	35.5	104	37.9	39.5 J	29.9 J	51.9	58.1	50.4	58.1	50.4	84.8	58.1						
Beryllium	7.2	14	47	0.17 J	0.43	0.41 U	0.13 J	0.44	0.35	0.24 J	0.19 J	0.43 J	0.25 J	0.34 J	0.86	0.24 J	0.21 J	0.36 U	0.13 J	0.48 U	0.42	0.43 U	0.14 J	0.14 J	0.47 U						
Cadmium	2.5	2.5	7.5	0.67 U	2.5	0.82 U	0.87 U	0.36 J	5.3 U	0.84 U	0.89 U	0.91 U	0.80 U	0.76 U	0.83 U	0.78 U	0.88 U	0.73 U	0.71 U	0.96 U	0.80 U	0.86 U	0.89 U	0.17 J	0.95 U						
Calcium	NA	NA	NA	1,060	3,280	745 J	1,210	1,850	3,790 J	4,980	770 J	1,100 J	757 J	792 J	1,910	1,010	1,700	825 J	1,010	1,840	833 J	1,010 J	1,260	1,300							
Chromium ⁺	30	36	NS	15.2	20.5	16.5	16.2	25.6	35.9	26.5	16.0	17.1	15.2	18.5	24.0	22.0	13.6	13.3	19.6	13.6	17.7	17.3	16.5	14.2							
Cobalt	NA	NA	NA	4.5 J	6.9 J	4.1 J	5.9 J	6.2 J	19.5 J	5.4 J	7.0 J	4.8 J	6.1 J	7.0 J	7.8 J	3.6 J	4.3 J	4.9 J	6.7 J	2.2 J	5.6 J	4.0 J	4.5 J	3.8 J	4.2 J						
Copper	50	270	1,720	10.6	34.4	3.3 J	2.1 J	36.1	33.1 J	41.5	6.4	6.6 J	3.8 J	7.9	9.4	6.8	14.7	24.1	9.6	48.7	3.8 J	5.0 J	13.2	7.9							
Iron	NA	NA	NA	13,000	14,700	6,700	13,000	23,700	28,100	16,000	16,000	16,000	13,000	16,000	23,000	11,000	11,000	10,100	13,000	9,250	9,850	8,990	9,620								
Lead	63	400	450	15.4	177	6.6	6.5	526	26.9	121	6.2	25.9	7.4	7.2	19.4	10.3	65.6	8.2	8.4	25.2	7.1	6.8	34.4	6.7							
Magnesium	NA	NA	NA	2,100	2,260	2,210	2,170	1,420	3,960	2,100	1,970	2,370	3,080	3,000	1,580	2,050	2,130	2,410	1,230	2,620	2,250	2,430	1,740	2,690							
Manganese	1,600	2,000	2,000	214	632	105	133	673	2,880	268	196	280	267	151	622	147	179	146	181	85.4	134	128	138	110							
Nickel	30	140	130	9.2	16.2	8.5	9.4	19.6	35.4	11.8	9.5	10.3	10.6	11.7	16.8	6.6 J	8.1 J	10.9	10.9	12.5	8.7	9.6	8.2 J	9.9							
Potassium	NA	NA	NA	579 J	606 J	766 J	689 J	404 J	6,630 U	697 J	668 J	754 J	604 J	911 J	677 J	682 J	558 J	478 J	543 J	408 J	820 J	811 J	539 J	606 J							
Selenium	3.9	36	4	3.8 U	7.2 J	4.1 U	4.4 U	4.9 U	26.5 U	4.2 U	4.5 U	4.5 U	4.0 U	3.8 U	4.1 U	3.9 U	4.4 U	3.5 U	4.1 J	0.97 J	4.3 U	4.4 U	4.4 U	4.7 U							
Silver	2	36	8.3	1.7 U	2.1 U	2.1 U	2.2 U	1.9 U	13.3 J	0.96 J	2.2 U	2.3 U	2.0 U	1.9 U	2.1 U	2.0 U	1.8 U	1.8 U	2.4 U	2.0 U	2.2 U	2.2 U	0.43 J	2.4 U							
Sodium	NA	NA	NA	122 J	115 J	106 J	98.9 J	130 J	6,630 U	126 J	1,120 U	275 J	226 J	946 U	250 J	977 U	1,100 U	912 U	66.2 J	1,200 U	118 J	112 J	1,110 U	1,180 U							
Thallium	NA	NA	NA	3.3 J	4.3 J	4.1 U	4.4 U	3.9 U	9.2 J	4.2 U	4.5 U	4.5 U	4.0 U	3.8 U	4.1 U	3.9 U	4.4 U	3.6 U	3.5 U	4.8 U	4.3 U	4.4 U	4.4 U	4.7 U							
Vanadium	NA	NA	NA	20.6	387	11.4	15.9	154	59.4 J	26.0	20.5	20.5	22.2	22.7	29.4	18.5	16.9	15.1	31.9	9.0 J	12.1	16.4	13.8	12.1							
Zinc	109	2,200	2,480	60.8	246	36.6	51.6	190	340	110	37.5	31.1	27.2	34.7	46.2	22.3	25.4	16.0	26.6	60.6	38.2	35.0	56.2	33.9							
Mercury	0.18	0.81	0.73	0.031	1.5	0.031	0.020 U	0.14	0.11	0.054	0.020	0.017 J	0.043	0.020 U	0.046	0.020 J	0.040	0.016 U	0.017 J	0.036	0.021 U	0.019 U	0.020 U	0.021 U							

TAL Metals (mg/kg)	NYSDEC SCOs			Supplemental Endpoint Samples														Post-excavation End-point Soil Analytical Data														Supplemental Endpoint Samples														Supplemental Endpoint Samples					
				Side-wall Samples														Side-wall Samples														Side-wall Samples																			
	Unrestricted	Residential	Protection of Groundwater	C1a-EP#23	C1a-EP#24	C1a-EP#25	C1a-EP#26	C1a-EP#27	C1a-EP#29	C1a-EP#30	C1a-EP#32	C1a-EP#33	C1a-EP#34	C1a-EP#35	C1a-EP#36	C1a-EP#37	C1a-EP#38	C1a-EP#38 BD	C1a-EP#39	C1a-EP#40	C1a-EP#41	C1a-EP#42	C1a-EP#43	C1a-EP#44	C1a-EP#45	C1a-EP#46	C1a-EP#47	C1a-EP#48	C1a-EP#49	C1a-EP#50																					
	(2)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)	(30)	(31)	(32)	(33)																				
Aluminum	NA	NA	NA	6,100	2,050	24,100	12,100	12,100	14,900	6,420	9,850	4,200	3,780	16,100	11,600	10,300	12,100	2,150	11,400	12,100	6,240	4,620	4,520	11,500	4,980	4,980	4,980	4,980	4,980	4,980	4,980																				
Antimony	NA	NA	NA	3.6 U	3.0 U	12.2 U	4.2 U	10.9 U	5.9 U	3.5 U	4.0 U	4.0 U	3.7 U	1.4 J	4.1 U	1.7 J	0.64 J	4.6 U	0.69 J	1.1 J	4.6 U	1.2 J	0.82 U	50.1 U	4.9 U	5.7 U																									
Arsenic	13	16	16	1.6 J	1.5 J	33.7	2.9 J	58.4	14.8	5.0	5.4	17.4	10.5	10.9	7.8	12.3	15.6	2.0 J	17.6	13.6	3.9	14.5	105	111	17.7	35.9																									
Barium	350	350	820	24.8 J	27.2 J	143	57.0	200	200	50.7	54.4	108	59.5	85.2	65.2	95.4	57.3	13.2 J	63.4	66.7	51.9	115	434 J	511	74.8	123																									
Beryllium	7.2	14	47	0.34 J	0.13 J	1.9	0.42	1.2	1.3	0.29 J	0.39 J	0.43	0.30 J	0.58	0.43	0.52	0.68	0.14 J	0.64	0.48	0.36 J	0.33 J	0.70	1.9	1.4	1.2																									
Cadmium	2.5	2.5	7.5	0.73 U	0.59 U	2.4 U	0.84 U	4.4 U	1.2 U	0.69 U	0.80 U	0.14 J	0.24 U	0.96 U	0.32 U	0.80 U	0.93 U	0.15 J	0.86 U	0.91 U	0.91 U	0.86 U	0.6 U	10.0 U	0.97 U	1.1 U																									
Calcium	NA	NA	NA	351 J	387 J	1,480	4,750	3,480	14,000	29,000	53,100	12,400	35.2	1,390	1,270	1,710	1,420	344 J	1,410	1,300	800 J	14,200	21,300	21,300	2,170	3,380																									
Chromium ⁺	30	36	NS	8.9	3.8	36.3	20.8	28.0	34.3	13.1	9.9	23.9	8.1	20.8	21.3	20.9	21.5	6.0	21.5	23.9	12.0	18.6	16.2 J	32.4	21.1	20.4																									
Cobalt	NA	NA	NA	2.5 J	1.6 J	11.1 J	4.8 J	30.7	17.7	5.1 J	2.9 J	4.8 J	3.5 J	6.5 J	5.1 J	6.3 J	7.0 J	1.9 J	6.1 J	5.6 J	4.0 J	4.6 J	24.4 J	33.3 J	5.3 J	10.7 J																									
Copper	50	270	1,720	3.6 J	8.2	14.8 J	12.6	12.0 J	23.5	9.1	13.0	41.5	21.0	15.9	13.2	16.3	17.5	4.5 J	14.3	17.0	9.3	39.6	14.5 J	62.6 U	4.8 J	4.5 J																									
Iron	NA	NA	NA	6,390	4,700	115,000	15,200	140,000	36,600	11,000	8,560	12,000	12,500	16,900	16,600	24,100	31,300	7,950	35,200	17,200	10,800	12,200	264,000	210,000	81,600	114,000																									
Lead	63	400	450	4.4	20.2	46.7	9.9	101	63.8	25.7	27.5	140	36.2	114	114	30.4	20.3	2.0 J	27.6	30.8	13.3	73.8	29.4	47.5	7.8	12.8																									
Magnesium	NA	NA	NA	1,040	1,017 J	2,550 J	6,180	7,110	2,410	11,800	4,580	4,250	1,390	2,470	2,900	2,410	2,820	548 J	2,760	2,960	1,540	4,680	16,000 J	17,400 J	4,260 J																										
Manganese	1,600	2,000	2,000	92	176	770	290	7,110	536	564	172	221	205	610	580	1,310	634	177	575	271	213	235	5,750	4,280	2,100	2,460																									
Nickel	30	140	130	6.0 J	3.9 J	27.0	11.4	13.3 J	19.5	8.7	7.1 J	10.4	8.6 B	12.4 B	11.7 B	10.3 B	13.0 B	3.3 JB	10.8 B	12.8 B	7.4 JB	10 B	11.0 J	9.9 J	7.5 J	7.2 J																									
Potassium	NA	NA	NA	269 J	209 J	936 J	998 J	364 J	825 J	695 J	611 J	753 J	399 J	750 J	1,010 J	819 J	909 J	285 J	774 J	1,070 J	606 J	742 J	613 J	392 J	755 J	704 J																									
Selenium	3.9	36	4	3.6 U	3.0 U	12.2 U	4.2 U	10.9 U	5.9 U	3.5 U	4.0 U	4.0 U	3.7 U	1.4 J	4.1 U	1.7 J	0.64 J																																		
Silver	2	36	8.3	1.8 U	0.75 J	6.1 U	2.1 U	5.4 U	3.0 U	1.7 U	2.0 U	2.0 U	1.4 J	2.4 U	2.0 U	2.3 U	2.3 U	2.2 U	2.3 U	2.3 U	0.21 U	2.4 U	25.1 U	0.36 J	4.1 J																										
Sodium	NA	NA	NA	907 U	61.4 J	542 J	142 J	2,720	373 J	135 J	783 J	921 J	162 J	277 J	130 J	140 J	1,150 U	390 J	287 J	1,140 U	1,070 U	12,100 U	243 J	5.7 U	1.7 J																										
Thallium	NA	NA	NA	3.6 U	3.0 U	12.2 U	4.2 U	10.9 U	5.9 U	3.5 U	4.0 U	4.0 U	3.7 U	1.4 J	4.1 U	1.7 J	0.64 J																																		
Vanadium	NA	NA	NA	10.2	8.2	35.7	25.6	39.9	35.1	18.3	14.0	21.6	9.1	24.4	24.4	26.6	28.1	6.0 J	27.0	28.7 J	15.4	19.5	91.3 J	47.9 J	26.0																										
Zinc	109	2,200	2,480	12.8	24.5	185	29.4	125	171	31.8	40.6	120	69.9	74.4	37.9	54.2	50.4	13.8	42.4	50.4	26.7	80.3	175	91.5	68.2	70.5																									
Mercury	0.18	0.81	0.73	0.019	0.054	0.14	0.020	0.16	0.24	0.083	0.065	0.073	0.016 J	0.11	0.042	0.036	0.12	0.020 U	0.020 U	0.053	0.014 J	0.033	0.092	0.053	0.025																										

Table 6-47
TAL Metals Soil Analytical Data
Post-excavation End-point Soil Analytical Data - South C1 Area

TAL Metals (mg/kg)	NYSDEC SCOs					Post-excavation End-point Soil Analytical Data																							
						South C1 Area																							
						Co-located Bottom and Sidewall Samples																							
						C1a-EP#47	C1a-EP#48	C1a-EP#49	C1a-EP#50	C1a-EP#51	C1a-EP#52	C1a-EP#53	C1a-EP#54	C1a-EP#55	C1a-EP#56	C1a-EP#57	C1a-EP#58	C1a-EP#59	C1a-EP#60	C1a-EP#61	C1a-EP#61	C1a-EP#62	C1a-EP#62	C1a-EP#63	C1a-EP#63	C1a-EP#64	C1a-EP#64	C1a-EP#65	
Unrestricted	Residential	Restricted Residential	Commercial	Protection of Groundwater	(4)	(4)	(2)	(2)	(2)	(2)	(2)	(2)	(4)	(4)	(4)	(4)	(4)	(4)	(1)	(1)	(4)	(1)	(4)	(1)	(4)	(1)	(4)		
Aluminum	NA	NA	NA	NA	NA	8,810	7,280	12,300	12,800	11,000	5,980	5,610	5,010	7,120	9,390	10,300	6,690	7,110	7,080	8,480	4,370	4,600	3,280	8,170	7,800	9,240	2,290	9,210	
Antimony	NA	NA	NA	NA	NA	4.3 U	4.5 U	5.2 U	4.0 U	4.6 U	4.2 U	4.4 U	4.1 U	22.5 U	22.5 U	22.5 U	10.6 U	4.3 U	4.0 U	3.3 U	3.6 U	3.4 U	3.4 U	3.8 U	3.9 U	3.7 U	3.3 U	3.6 U	
Arsenic	13	16	16	16	16	3.1 J	3.2 J	3.4 J	3.6	3.1 J	2.2 J	1.9 J	3.8	33.9	24.1	18.1	7.3 J	1.7 J	2.4 J	2.5 U	1.0 J	7.1	1.1 J	1.2 J	2.9 J	6.8	0.67 J	4.3	
Barium	350	350	400	400	820	34.8 J	33.3 J	71.6	74.5	70.4	30.0 J	29.1 J	11.3	86.8 J	241	109	44.5 J	33.5 J	45.8	48.3	13.9 J	39.1	13.9 J	45.9	37.1 J	53.1	9.1 J	60.7	
Beryllium	7.2	14	72	590	47	0.31 J	0.45 U	0.63	0.68	0.62	0.32 J	0.33 J	0.41 U	2.2 U	2.3 U	2.5 U	0.72 J	0.37 J	0.34 J	0.33 U	0.36 U	0.34 U	0.38 U	0.36 J	0.34 J	0.33 U	0.36 U		
Cadmium	2.5	2.5	4.3	9.3	7.5	0.85 U	0.90 U	1.0 U	0.80 U	0.92 U	0.83 U	0.87 U	0.81 U	4.5 U	6.5 U	5.0 U	2.1 U	0.85 U	0.81 U	0.67 U	0.73 U	0.68 U	0.75 U	0.79 U	0.75 U	0.65 U	0.72 U		
Calcium	NA	NA	NA	NA	NA	798 J	1,590	1,720	1,530	1,140 J	966 J	574 J	1,760	1,880 J	1,880 J	1,730	1,020 J	824 J	890 J	933	1,780	960 J	510 J	941 J	1,760	943	234 J	4,870	
Chromium ⁺	30	36	180	1,500	NS	13.9	16.9	18.8	17.8	17.1	10.7	11.1	12.7	17.8	27.2	29.0	17.2	12.7	14.3	16.4	6.7	10.3	6.0	17.5	15.1	19.1	3.8	52.0	
Cobalt	NA	NA	NA	NA	NA	5.3 J	3.6 J	6.2 J	6.8 J	5.8 J	4.1 J	4.9 J	4.5 J	17.9 J	15.4 J	7.6 J	3.7 J	5.1 J	4.5 J	5.1 J	3.6 J	2.5 J	2.2 J	4.1 J	6.1 J	7.1 J	1.5 J	5.9 J	
Copper	50	270	270	270	1,720	6.8	8.7	9.9	8.5	9.1	6.2	6.4	5.0	28.1 U	10.3 J	31.0 U	13.2 U	7.9	8.8	2.4 J	6.1	4.2 U	3.5 J	2.2 J	11.8	2.9 J	3.1 J	3.9 J	
Iron	NA	NA	NA	NA	NA	14,800	13,900	16,600	17,000	14,500	10,200	8,720	10,900	162,000	162,000	162,000	56,300	11,100	11,700	10,400	7,390	23,900	5,480	21,100	15,300	52,000	3,740	29,400	
Lead	63	400	400	1,000	450	5.5	9.8	21.6	25.5	21.1	16.9	22.0	16.9	4.9 J	4.9 J	4.0 J	5.8	4.7	18.6	6.0	2.8	1.1 J	3.7	28.0	3.2	2.2	4.6		
Magnesium	NA	NA	NA	NA	NA	2,000	1,710	2,220	2,230	2,100	1,240	1,400	1,510	1,380 J	1,380 J	1,210 J	1,060 J	2,040	1,840	2,270	1,610	1,180	844 J	2,160	2,810	1,910	499 J	5,320	
Manganese	1,600	2,000	2,000	10,000	2,000	277	218	382	523	344	300	73.0	516	1,350	1,400	1,350	260	203	201	83.6	150	142	103	120	255	291	54.8	650	
Nickel	30	140	310	310	130	8.9	6.8 J	12.1	12.8	11.5	7.6 J	7.0 J	8.4	65.0 U	11.2 J	11.2 J	5.8 J	7.7 J	7.5 J	9.4	8.6	5.1 J	4.4 J	9.8	14.7	11.9	2.7 J	20.5	
Potassium	NA	NA	NA	NA	NA	656 J	820 J	675 J	431 J	437 J	350 J	513 J	520 J	112 J	95 J	95 J	329 J	839 J	746 J	932	395 J	443 J	318 J	733 J	1,230	711 J	189 J	1,270	
Selenium	3.9	36	180	1,500	4	4.3 U	1.5 J	2.0 J	1.4 J	4.6 U	1.4 J	4.4 U	4.1 U	22.5 U	22.5 U	24.8 U	10.6 U	4.3 U	4.0 U	3.3 U	3.6 U	3.4 U	3.4 U	3.8 U	3.9 U	3.7 U	3.3 U	3.6 U	
Silver	2	36	180	1,500	8.3	2.1 U	2.2 U	2.6 U	2.0 U	2.3 U	2.1 U	2.2 U	2.0 U	11.2 U	2.5 J	12.4 U	5.3 U	2.1 U	2.0 U	1.7 U	1.8 U	1.7 U	1.7 U	2.0 U	1.9 U	1.6 U	0.35 J		
Sodium	NA	NA	NA	NA	NA	1,060 U	1,120 U	1,300 U	1,000 U	1,150 U	1,040 U	1,090 U	1,010 U	6,020 U	6,060 U	6,200 U	2,640 U	93 J	77 J	126 J	910 U	112 J	847 U	158 J	984 U	204 J	815 U	316 J	
Thallium	NA	NA	NA	NA	NA	4.3 U	4.5 U	5.2 U	4.0 U	4.6 U	4.2 U	4.4 U	4.1 U	22.5 U	22.5 U	24.8 U	10.6 U	4.4 U	4.3 U	4.0 U	3.3 U	3.6 U	3.4 U	3.8 U	3.9 U	3.7 U	3.3 U	3.6 U	
Vanadium	NA	NA	NA	NA	NA	19.1	18.1	23.1	21.7	20.6	12.8	13.6	13.0	15.6 J	26.7 J	24.6 J	27.8	16.3	17.8	12.7	9.1	8.5	7.8 J	15.9	17.7	24.2	4.6 J	20.5	
Zinc	109	2,200	10,000	10,000	2,480	22.2	21.5	35.4	34.1	31.3	21.9	20.4	31.6	51.2	87.4	120	60.5	20.7	31.0	29.8	12.5	16.2	12.3	31.6	29.2	37.5	7.6	30.3	
Mercury	0.18	0.81	0.81	2.8	0.73	0.019 U	0.018 J	0.028	0.016 J	0.045	0.021	0.018 U	0.018 J	0.019 J	0.022	0.021	0.019 U	0.019 U	0.019 U	0.015 J	0.017 J	0.017 U	0.017 U	0.018 J	0.020 J	0.016 J	0.017 U	0.013 J	

TAL Metals (mg/kg)	NYSDEC SCOs					Post-excavation End-point Soil Analytical Data						
						South C1 Area						
						Co-located Bottom and Sidewall Samples						
						C1a-EP#65	C1a-EP#66	C1a-EP#66	C1a-EP#67	C1a-EP#68	C1a-EP#69	C1a-EP#70
	Unrestricted	Residential	Restricted Residential	Commercial	Protection of Groundwater	(1)	(4)	(1)	(6)	(6)	(6)	(6)
Aluminum	NA	NA	NA	NA	NA	2,530	5,940	10,300	2,280	2,090	5,390	5,440
Antimony	NA	NA	NA	NA	NA	3.4 U	3.6 U	4.7	3.5 U	3.5 U	3.6 U	3.5 U
Arsenic	13	16	16	16	16	2.2 J	4.8	15.7	23.1	2.6 U	4.0	7.2
Barium	350	350	400	400	820	14.7 J	52.2	79.8	88.7	104	45.4	50.1
Beryllium	7.2	14	72	590	47	0.37	0.36 U	0.40 J	0.35 U	0.35 U	0.36 U	0.35 U
Cadmium	2.5	2.5	4.3	9.3	7.5	0.68 U	0.71 U	0.83 U	0.70 U	0.70 U	0.71 U	0.70 U
Calcium	NA	NA	NA	NA	NA	263 J	2,070	41,200	770 J	504 J	4,730	11,300
Chromium ⁺	30	36	180	1,500	NS	5.2	13.6	18.9	9.0	7.0	11.0	12.0
Cobalt	NA	NA	NA	NA	NA	2.4 J	4.6 J	7.3 J	2.7 J	1.7 J	3.6 J	4.2 J
Copper	50	270	270	270	1,720	5.3	3.3 J	14.5	4.4 U	1.5 J	3.0 J	5.0
Iron	NA	NA	NA	NA	NA	6,300	23,600	22,200	57,100	8,160	18,900	28,900
Lead	63	400	400	1,000	450	4.0	6.4	46.6	4.4 U	0.94 J	5.2	4.1
Magnesium	NA	NA	NA	NA	NA	472 J	2,140	23,500	762 J	667 J	3,340	7,130
Manganese	1,600	2,000	2,000	10,000	2,000	70.3	977	1,608	1,080	3,100	449	575
Nickel	30	140	310	310	130	3.9 J	7.2	11.3	2.7 J	6.3 J	7.2	7.2
Potassium	NA	NA	NA	NA	NA	186 J	585 J	540 J	369 J	225 J	806 J	780 J
Selenium	3.9	36	180	1,500	4	3.4 U	3.6 U	4.2 U	8.8 U	3.5 U	3.6 U	3.5 U
Silver	2	36	180	1,500	8.3	1.7 U	0.53 J	0.92 J	0.62 J	1.5 J	1.8 U	1.7 U
Sodium	NA	NA	NA	NA	NA	653 U	147 J	353 J	877 U	672 U	110 J	119 J
Thallium	NA	NA	NA	NA	NA	3.4 U	3.6 U	4.2 U	3.5 U	3.5 U	3.6 U	3.5 U
Vanadium	NA	NA	NA	NA	NA	7.0 J	14.2	27.4	8.2 J	3.3 J	12.2	14.5
Zinc	109	2,200	10,000	10,000	2,480	12.9	29.5	58.4	12.9	8.1	22.6	22.5
Mercury	0.18	0.81	0.81	2.8	0.73	0.015 J	0.019 U	0.13	0.017 U	0.017 U	0.018	0.013 J

Notes
J : Sample result is greater than the MDL but below the CRDL
U : Indicates analyzed for but not detected.
⁺ Trivalent chromium SCOs utilized.
Highlighted / boxed indicates analyte exceeded above its respective NYSDEC Commercial SCO.
Green / italicized value indicates analyte exceeded its respective unrestricted SCO but was below its respective Residential / Protection of GW SCO, whichever is lower.
Blue / italicized value indicates analyte exceeded its respective Residential SCOs and / or Protection of Groundwater SCOs but was below its Restricted Residential SCO.
Pink / italicized value indicates analyte exceeded its respective Residential SCOs and / or Protection of Groundwater SCO but was below its Commercial SCO.
NA - Not Available
NS - No Standard Available
Indicates that sample locations were removed as part of supplemental soil excavation activities.

Table 6-48
C1 South Alleyway Area
Confirmatory, Port-Excavation TCL SVOC Soil Analytical Data

TCL SVOCs (mg/kg)	NYSDEC SCOs					Former C1 South Alleyway Area - Confirmatory Post-Excavation Soil Samples														
	NYSDEC Unrestricted SCO	Residential	Restricted Residential	Commercial	Protection of Groundwater	Side-wall Samples														
						C1-EP#2 (7.5')	C1-EP#3 (7.5')	C1-EP#5 (7.5')	C1-EP#6 (7.5')	C1-EP#8 (7.5')	C1-EP#9 (7.5')	C1-EP#11 (7.5')	C1-EP#12 (7.5')	C1-EP#14 (7.5')	C1-EP#16 (4.5')	C1-EP#17 (7.5')	C1-EP#19 (4')	C1-EP#21 (1')	C1-EP#22 (4')	C1-EP#24 (2')
1,2,4,5-Tetrachlorobenzene	NA	NA	NA	NA	NA	0.35 U R	0.34 U R	0.35 U R	0.35 U R	0.38 U R	0.38 U R	0.35 U R	0.35 U R	0.34 U R	0.36 U R	0.36 U R	0.37 U	3.6 U	2.4 U	0.34 U
1,4-Dioxane	0.1	9.8	13	130	0.1	0.35 U	0.34 U	0.35 U	0.35 U	0.38 U	0.38 U	0.35 U	0.35 U	0.34 U	0.36 U	0.36 U	0.37 U	3.6 U	2.4 U	0.34 U
2,2'-oxybis[1-chloropropane]	NA	NA	NA	NA	NA	0.35 U	0.34 U	0.35 U	0.35 U	0.38 U	0.38 U	0.35 U	0.35 U	0.34 U	0.36 U	0.36 U	0.37 U	3.6 U	2.4 U	0.34 U
2,3,4,6-Tetrachlorophenol	NA	NA	NA	NA	NA	0.35 U R	0.34 U R	0.35 U	0.35 U	0.38 U	0.38 U	0.35 U	0.35 U	0.34 U	0.36 U	0.36 U R	0.37 U	3.6 U	2.4 U	0.34 U
2,4,5-Trichlorophenol	NA	NA	NA	NA	NA	0.35 U	0.34 U	0.35 U	0.35 U	0.38 U	0.38 U	0.35 U	0.35 U	0.34 U	0.36 U	0.36 U	0.37 U	3.6 U	2.4 U	0.34 U
2,4,6-Trichlorophenol	NA	NA	NA	NA	NA	0.35 U	0.34 U	0.35 U	0.35 U	0.38 U	0.38 U	0.35 U	0.35 U	0.34 U	0.36 U	0.36 U	0.37 U	3.6 U	2.4 U	0.34 U
2,4-Dichlorophenol	NA	NA	NA	NA	NA	0.35 U	0.34 U	0.35 U	0.35 U	0.38 U	0.38 U	0.35 U	0.35 U	0.34 U	0.36 U	0.36 U	0.37 U	3.6 U	2.4 U	0.34 U
2,4-Dimethylphenol	NA	NA	NA	NA	NA	0.35 U	0.34 U	0.35 U	0.35 U	0.38 U	0.38 U	0.35 U	0.35 U	0.34 U	0.36 U	0.36 U	0.37 U	3.6 U	2.4 U	0.34 U
2,4-Dinitrophenol	NA	NA	NA	NA	NA	1.1 U	1.0 U	1.1 U	1.1 U	1.2 U	1.2 U	1.1 U	1.1 U	1.0 U	1.1 U	1.1 U	1.1 U R	11 U R	7.2 U R	1.0 U R
2,4-Dinitrotoluene	NA	NA	NA	NA	NA	0.071 U	0.069 U	0.071 U	0.072 U	0.077 U	0.078 U	0.071 U	0.071 U	0.070 U	0.072 U	0.073 U	0.074 U	0.73 U	0.48 U	0.069 U
2,6-Dinitrotoluene	NA	NA	NA	NA	NA	0.071 U	0.069 U	0.071 U	0.072 U	0.077 U	0.078 U	0.071 U	0.071 U	0.070 U	0.072 U	0.073 U	0.074 U	0.73 U	0.48 U	0.069 U
2-Chloronaphthalene	NA	NA	NA	NA	NA	0.35 U	0.34 U	0.35 U	0.35 U	0.38 U	0.38 U	0.35 U	0.35 U	0.34 U	0.36 U	0.36 U	0.37 U	3.6 U	2.4 U	0.34 U
2-Chlorophenol	NA	NA	NA	NA	NA	0.35 U	0.34 U	0.35 U	0.35 U	0.38 U	0.38 U	0.35 U	0.35 U	0.34 U	0.36 U	0.36 U	0.37 U	3.6 U	2.4 U	0.34 U
2-Methylnaphthalene	NA	NA	NA	NA	NA	0.35 U	0.34 U	0.35 U	0.35 U	0.38 U	0.38 U	0.35 U	0.35 U	0.34 U	0.36 U	0.36 U	0.0058 J	3.6 U	2.4 U	0.0058 J
2-Methylphenol	0.33	100	100	500	0.33	0.35 U	0.34 U	0.35 U	0.35 U	0.38 U	0.38 U	0.35 U	0.35 U	0.34 U	0.36 U	0.36 U	0.37 U	3.6 U	2.4 U	0.34 U
2-Nitroaniline	NA	NA	NA	NA	NA	0.71 U	0.69 U	0.71 U	0.72 U	0.77 U	0.78 U	0.71 U	0.71 U	0.70 U	0.72 U	0.73 U	0.74 U	7.3 U	4.8 U	0.69 U
2-Nitrophenol	NA	NA	NA	NA	NA	0.35 U	0.34 U	0.35 U	0.35 U	0.38 U	0.38 U	0.35 U	0.35 U	0.34 U	0.36 U	0.36 U	0.37 U	3.6 U	2.4 U	0.34 U
3,3'-Dichlorobenzidine	NA	NA	NA	NA	NA	0.71 U	0.69 U	0.71 U	0.72 U	0.77 U	0.78 U	0.71 U	0.71 U	0.70 U	0.72 U	0.73 U	0.74 U	7.3 U	4.8 U	0.69 U
3-Nitroaniline	NA	NA	NA	NA	NA	0.71 U	0.69 U	0.71 U	0.72 U	0.77 U	0.78 U	0.71 U	0.71 U	0.70 U	0.72 U	0.73 U	0.74 U	7.3 U	4.8 U	0.69 U
4,6-Dinitro-2-methylphenol	NA	NA	NA	NA	NA	1.1 U	1.0 U	1.1 U	1.1 U	1.2 U	1.2 U	1.1 U	1.1 U	1.0 U	1.1 U	1.1 U	1.1 U R	11 U R	7.2 U R	1.0 U R
4-Bromophenyl phenyl ether	NA	NA	NA	NA	NA	0.35 U	0.34 U	0.35 U	0.35 U	0.38 U	0.38 U	0.35 U	0.35 U	0.34 U	0.36 U	0.36 U	0.37 U	3.6 U	2.4 U	0.34 U
4-Chloro-3-methylphenol	NA	NA	NA	NA	NA	0.35 U	0.34 U	0.35 U	0.35 U	0.38 U	0.38 U	0.35 U	0.35 U	0.34 U	0.36 U	0.36 U	0.37 U	3.6 U	2.4 U	0.34 U
4-Chloroaniline	NA	NA	NA	NA	NA	0.35 U	0.34 U	0.35 U	0.35 U	0.38 U	0.38 U	0.35 U	0.35 U	0.34 U	0.36 U	0.36 U	0.37 U	3.6 U	2.4 U	0.34 U
4-Chlorophenyl phenyl ether	NA	NA	NA	NA	NA	0.35 U	0.34 U	0.35 U	0.35 U	0.38 U	0.38 U	0.35 U	0.35 U	0.34 U	0.36 U	0.36 U	0.37 U	3.6 U	2.4 U	0.34 U
4-Methylphenol	0.33	34	100	500	0.33	0.35 U	0.34 U	0.35 U	0.35 U	0.38 U	0.38 U	0.35 U	0.35 U	0.34 U	0.36 U	0.36 U	0.37 U	3.6 U	2.4 U	0.34 U
4-Nitroaniline	NA	NA	NA	NA	NA	0.71 U	0.69 U	0.71 U	0.72 U	0.77 U	0.78 U	0.71 U	0.71 U	0.70 U	0.72 U	0.73 U	0.74 U	7.3 U	4.8 U	0.69 U
4-Nitrophenol	NA	NA	NA	NA	NA	1.1 U	1.0 U	1.1 U	1.1 U	1.2 U	1.2 U	1.1 U	1.1 U	1.0 U	1.1 U	1.1 U	1.1 U	11 U	7.2 U	1.0 U
Acenaphthene	20	100	100	500	98	0.35 U	0.34 U	0.35 U	0.35 U	0.38 U	0.38 U	0.35 U	0.35 U	0.34 U	0.36 U	0.36 U	0.37 U	3.6 U	2.4 U	0.34 U
Acenaphthylene	100	100	100	500	107	0.35 U	0.34 U	0.35 U	0.35 U	0.38 U	0.38 U	0.35 U	0.35 U	0.34 U	0.36 U	0.36 U	0.37 U	3.6 U	2.4 U	0.34 U
Acetophenone	NA	NA	NA	NA	NA	0.35 U	0.34 U	0.35 U	0.35 U	0.38 U	0.38 U	0.35 U	0.35 U	0.34 U	0.36 U	0.36 U	0.37 U	3.6 U	2.4 U	0.34 U
Anthracene	100	100	100	500	1,000	0.35 U	0.34 U	0.35 U	0.35 U	0.38 U	0.38 U	0.35 U	0.35 U	0.052 J	0.36 U	0.36 U	0.37 U	0.14 J B	2.4 U	0.34 U
Atrazine	NA	NA	NA	NA	NA	0.35 U	0.34 U	0.35 U	0.35 U	0.38 U	0.38 U	0.35 U	0.35 U	0.34 U	0.36 U	0.36 U	0.37 U	3.6 U	2.4 U	0.34 U
Benzaldehyde	NA	NA	NA	NA	NA	0.35 U	0.34 U	0.35 U	0.35 U	0.38 U	0.38 U	0.35 U	0.35 U	0.34 U	0.36 U	0.36 U	0.37 U	3.6 U	2.4 U	0.34 U
Benzo[a]anthracene	1	1	1	5.6	1	0.035 U	0.034 U	0.035 U	0.035 U	0.038 U	0.038 U	0.035 U	0.035 U	0.25	0.036 U	0.036 U	0.043 B	0.36 U	0.24 U	0.034 U
Benzo[a]pyrene	1	1	1	1	22	0.035 U	0.034 U	0.035 U	0.035 U	0.038 U	0.038 U	0.035 U	0.035 U	0.27	0.036 U	0.036 U	0.040 B	0.66 B	0.46 B	0.022 J B
Benzo[b]fluoranthene	1	1	1	5.6	1.7	0.035 U	0.034 U	0.035 U	0.035 U	0.038 U	0.038 U	0.035 U	0.035 U	0.36	0.036 U	0.036 U	0.059	0.93	0.24 U	0.035
Benzo[g,h,i]perylene	100	100	100	500	1,000	0.35 U	0.34 U	0.35 U	0.35 U	0.38 U	0.38 U	0.35 U	0.35 U	0.13 J	0.36 U	0.36 U	0.048 J	0.63 J	2.4 U	0.077 J
Benzo[k]fluoranthene	0.8	1	3.9	56	1.7	0.035 U	0.034 U	0.035 U	0.035 U	0.038 U	0.038 U	0.035 U	0.035 U	0.14	0.036 U	0.036 U	0.022 J	0.46	0.24 U	0.014 J
Bis(2-chloroethoxy)methane	NA	NA	NA	NA	NA	0.35 U	0.34 U	0.35 U	0.35 U	0.38 U	0.38 U	0.35 U	0.35 U	0.34 U	0.36 U	0.36 U	0.37 U	3.6 U	2.4 U	0.34 U
Bis(2-chloroethyl)ether	NA	NA	NA	NA	NA	0.035 U	0.034 U	0.035 U	0.035 U	0.038 U	0.038 U	0.035 U	0.035 U	0.034 U	0.036 U	0.036 U	0.037 U	0.36 U	0.24 U	0.034 U
Bis(2-ethylhexyl) phthalate	NA	NA	NA	NA	NA	0.35 U	0.34 U	0.35 U	0.35 U	0.38 U	0.38 U	0.35 U	0.35 U	0.34 U	0.36 U	0.36 U	0.37 U	3.6 U	2.4 U	0.34 U
Butyl benzyl phthalate	NA	NA	NA	NA	NA	0.35 U	0.34 U	0.35 U	0.35 U	0.38 U	0.38 U	0.35 U	0.35 U	0.34 U	0.36 U	0.36 U	0.37 U	3.6 U	2.4 U	0.34 U
Caprolactam	NA	NA	NA	NA	NA	0.35 U	0.34 U	0.35 U	0.35 U	0.38 U	0.38 U	0.35 U	0.35 U	0.34 U	0.36 U	0.36 U	0.37 U	3.6 U	2.4 U	0.34 U
Carbazole	NA	NA	NA	NA	NA	0.35 U	0.34 U	0.35 U	0.35 U	0.38 U	0.38 U	0.35 U	0.35 U	0.34 U	0.36 U	0.36 U	0.37 U	3.6 U	2.4 U	0.34 U
Chrysene	1	1	3.9	56	1	0.35 U	0.34 U	0.35												

Table 6-48
C1 South Alleyway Area
Confirmatory, Port-Excavation TCL SVOC Soil Analytical Data

TCL SVOCs (mg/kg)	NYSDEC SCOs					Former C1 South Alleyway Area - Confirmatory Post-Excavation Soil Samples									
	NYSDEC Unrestricted SCO	Residential	Restricted Residential	Commercial	Protection of Groundwater	Bottom Samples									
						C1-EP#1 (8')	C1-EP#4 (8')	C1-EP#7 (8')	C1-EP#10 (8')	C1-EP#13 (8')	C1-EP#15 (8')	C1-EP#18 (5.5')	C1-EP#20 (5.5')	C1-EP#23 (5.5')	
1,2,4,5-Tetrachlorobenzene	NA	NA	NA	NA	NA	0.37 U R	0.34 U R	0.38 U R	0.35 U R	0.41 U R	0.35 U R	0.37 U	0.35 U	0.38 U	
1,4-Dioxane	0.1	9.8	13	130	0.1	0.37 U	0.34 U	0.38 U	0.35 U	0.41 U	0.35 U	0.37 U	0.35 U	0.38 U	
2,2'-oxybis[1-chloropropane]	NA	NA	NA	NA	NA	0.37 U	0.34 U	0.38 U	0.35 U	0.41 U	0.35 U	0.37 U	0.35 U	0.38 U	
2,3,4,6-Tetrachlorophenol	NA	NA	NA	NA	NA	0.37 U R	0.34 U R	0.38 U	0.35 U	0.41 U	0.35 U	0.37 U	0.35 U	0.38 U	
2,4,5-Trichlorophenol	NA	NA	NA	NA	NA	0.37 U	0.34 U	0.38 U	0.35 U	0.41 U	0.35 U	0.37 U	0.35 U	0.38 U	
2,4,6-Trichlorophenol	NA	NA	NA	NA	NA	0.37 U	0.34 U	0.38 U	0.35 U	0.41 U	0.35 U	0.37 U	0.35 U	0.38 U	
2,4-Dichlorophenol	NA	NA	NA	NA	NA	0.37 U	0.34 U	0.38 U	0.35 U	0.41 U	0.35 U	0.37 U	0.35 U	0.38 U	
2,4-Dimethylphenol	NA	NA	NA	NA	NA	0.37 U	0.34 U	0.38 U	0.35 U	0.41 U	0.35 U	0.37 U	0.35 U	0.38 U	
2,4-Dinitrophenol	NA	NA	NA	NA	NA	1.1 U	1.0 U	1.2 U	1.0 U	1.2 U	1.0 U	1.1 U R	1.1 U R	1.2 U R	
2,4-Dinitrotoluene	NA	NA	NA	NA	NA	0.076 U	0.069 U	0.077 U	0.070 U	0.082 U	0.070 U	0.074 U	0.072 U	0.078 U	
2,6-Dinitrotoluene	NA	NA	NA	NA	NA	0.076 U	0.069 U	0.077 U	0.070 U	0.082 U	0.070 U	0.074 U	0.072 U	0.078 U	
2-Chloronaphthalene	NA	NA	NA	NA	NA	0.37 U	0.34 U	0.38 U	0.35 U	0.41 U	0.35 U	0.37 U	0.35 U	0.38 U	
2-Chlorophenol	NA	NA	NA	NA	NA	0.37 U	0.34 U	0.38 U	0.35 U	0.41 U	0.35 U	0.37 U	0.35 U	0.38 U	
2-Methylnaphthalene	NA	NA	NA	NA	NA	0.37 U	0.34 U	0.38 U	0.35 U	0.41 U	0.35 U	0.37 U	0.35 U	0.38 U	
2-Methylphenol	0.33	100	100	500	0.33	0.37 U	0.34 U	0.38 U	0.35 U	0.41 U	0.35 U	0.37 U	0.35 U	0.38 U	
2-Nitroaniline	NA	NA	NA	NA	NA	0.76 U	0.69 U	0.77 U	0.70 U	0.82 U	0.70 U	0.74 U	0.72 U	0.78 U	
2-Nitrophenol	NA	NA	NA	NA	NA	0.37 U	0.34 U	0.38 U	0.35 U	0.41 U	0.35 U	0.37 U	0.35 U	0.38 U	
3,3'-Dichlorobenzidine	NA	NA	NA	NA	NA	0.76 U	0.69 U	0.77 U	0.70 U	0.82 U	0.70 U	0.74 U	0.72 U	0.78 U	
3-Nitroaniline	NA	NA	NA	NA	NA	0.76 U	0.69 U	0.77 U	0.70 U	0.82 U	0.70 U	0.74 U	0.72 U	0.78 U	
4,6-Dinitro-2-methylphenol	NA	NA	NA	NA	NA	1.1 U	1.0 U	1.2 U	1.0 U	1.2 U	1.0 U	1.1 U R	1.1 U R	1.2 U R	
4-Bromophenyl phenyl ether	NA	NA	NA	NA	NA	0.37 U	0.34 U	0.38 U	0.35 U	0.41 U	0.35 U	0.37 U	0.35 U	0.38 U	
4-Chloro-3-methylphenol	NA	NA	NA	NA	NA	0.37 U	0.34 U	0.38 U	0.35 U	0.41 U	0.35 U	0.37 U	0.35 U	0.38 U	
4-Chloroaniline	NA	NA	NA	NA	NA	0.37 U	0.34 U	0.38 U	0.35 U	0.41 U	0.35 U	0.37 U	0.35 U	0.38 U	
4-Chlorophenyl phenyl ether	NA	NA	NA	NA	NA	0.37 U	0.34 U	0.38 U	0.35 U	0.41 U	0.35 U	0.37 U	0.35 U	0.38 U	
4-Methylphenol	0.33	34	100	500	0.33	0.37 U	0.34 U	0.38 U	0.35 U	0.41 U	0.35 U	0.37 U	0.35 U	0.38 U	
4-Nitroaniline	NA	NA	NA	NA	NA	0.76 U	0.69 U	0.77 U	0.70 U	0.82 U	0.70 U	0.74 U	0.72 U	0.78 U	
4-Nitrophenol	NA	NA	NA	NA	NA	1.1 U	1.0 U	1.2 U	1.0 U	1.2 U	1.0 U	1.1 U	1.1 U	1.2 U	
Acenaphthene	20	100	100	500	98	0.37 U	0.34 U	0.38 U	0.35 U	0.41 U	0.35 U	0.37 U	0.35 U	0.38 U	
Acenaphthylene	100	100	100	500	107	0.37 U	0.34 U	0.38 U	0.35 U	0.41 U	0.35 U	0.37 U	0.35 U	0.38 U	
Acetophenone	NA	NA	NA	NA	NA	0.37 U	0.34 U	0.38 U	0.35 U	0.41 U	0.35 U	0.37 U	0.35 U	0.38 U	
Anthracene	100	100	100	500	1,000	0.37 U	0.34 U	0.38 U	0.35 U	0.41 U	0.35 U	0.0070 J B	0.032 J B	0.38 U	
Atrazine	NA	NA	NA	NA	NA	0.37 U	0.34 U	0.38 U	0.35 U	0.41 U	0.35 U	0.37 U	0.35 U	0.38 U	
Benzaldehyde	NA	NA	NA	NA	NA	0.37 U	0.34 U	0.38 U	0.35 U	0.41 U	0.35 U	0.37 U	0.35 U	0.38 U	
Benzo[a]anthracene	1	1	1	5.6	1	0.037 U	0.034 U	0.038 U	0.035 U	0.041 U	0.049	0.040 B	0.035 U	0.038 U	
Benzo[a]pyrene	1	1	1	1	22	0.037 U	0.034 U	0.038 U	0.035 U	0.041 U	0.048	0.033 J B	0.078 B	0.038 U	
Benzo[b]fluoranthene	1	1	1	5.6	1.7	0.037 U	0.034 U	0.038 U	0.035 U	0.041 U	0.068	0.049	0.092	0.038 U	
Benzo[g,h,i]perylene	100	100	100	500	1,000	0.37 U	0.34 U	0.38 U	0.35 U	0.41 U	0.037 J	0.044 J	0.067 J	0.38 U	
Benzo[k]fluoranthene	0.8	1	3.9	56	1.7	0.037 U	0.034 U	0.038 U	0.035 U	0.041 U	0.024 J	0.016 J	0.040	0.038 U	
Bis(2-chloroethoxy)methane	NA	NA	NA	NA	NA	0.37 U	0.34 U	0.38 U	0.35 U	0.41 U	0.35 U	0.37 U	0.35 U	0.38 U	
Bis(2-chloroethyl)ether	NA	NA	NA	NA	NA	0.037 U	0.034 U	0.038 U	0.035 U	0.041 U	0.035 U	0.037 U	0.035 U	0.038 U	
Bis(2-ethylhexyl) phthalate	NA	NA	NA	NA	NA	0.37 U	0.34 U	0.38 U	0.35 U	0.41 U	0.35 U	0.37 U	0.35 U	0.38 U	
Butyl benzyl phthalate	NA	NA	NA	NA	NA	0.37 U	0.34 U	0.38 U	0.35 U	0.41 U	0.35 U	0.37 U	0.35 U	0.38 U	
Caprolactam	NA	NA	NA	NA	NA	0.37 U	0.34 U	0.38 U	0.35 U	0.41 U	0.35 U	0.37 U	0.35 U	0.38 U	
Carbazole	NA	NA	NA	NA	NA	0.37 U	0.34 U	0.38 U	0.35 U	0.41 U	0.35 U	0.37 U	0.35 U	0.38 U	
Chrysene	1	1	3.9	56	1	0.37 U	0.34 U	0.38 U	0.35 U	0.41 U	0.064 J	0.043 J B	0.088 J B	0.38 U	
Dibenz(a,h)anthracene	0.33	0.33	0.33	0.56	1,000	0.037 U	0.034 U	0.038 U	0.035 U	0.041 U	0.035 U	0.037 U	0.035 U	0.038 U	
Dibenzofuran	7	14	59	350	210	0.37 U	0.34 U	0.38 U	0.35 U	0.41 U	0.35 U	0.37 U	0.35 U	0.38 U	
Diethyl phthalate	NA	NA	NA	NA	NA	0.37 U	0.34 U	0.38 U	0.35 U	0.41 U	0.35 U	0.37 U	0.35 U	0.38 U	
Dimethyl phthalate	NA	NA	NA	NA	NA	0.37 U	0.34 U	0.38 U	0.35 U	0.41 U	0.35 U	0.37 U	0.35 U	0.38 U	
Di-n-butyl phthalate	NA	NA	NA	NA	NA	0.37 U	0.34 U	0.38 U	0.35 U	0.41 U	0.35 U	0.37 U	0.35 U	0.38 U	
Di-n-octyl phthalate	NA	NA	NA	NA	NA	0.37 U	0.34 U	0.38 U	0.35 U	0.41 U	0.35 U	0.37 U	0.35 U	0.38 U	
Diphenyl	NA	NA	NA	NA	NA	0.37 U	0.34 U	0.38 U	0.35 U	0.41 U	0.35 U	0.37 U	0.35 U	0.38 U	
Fluoranthene	100	100	100	500	1,000	0.37 U	0.34 U	0.38 U	0.35 U	0.41 U	0.086 J	0.031 J	0.12 J	0.38 U	
Fluorene	30	100	100	500	386	0.37 U	0.34 U	0.38 U	0.35 U	0.41 U	0.35 U	0.37 U	0.35 U	0.38 U	
Hexachlorobenzene	0.33	0.33	1.2	6	3.2	0.037 U	0.034 U	0.038 U	0.035 U	0.041 U	0.035 U	0.037 U	0.035 U	0.038 U	
Hexachlorobutadiene	NA	NA	NA	NA	NA	0.076 U	0.069 U	0.077 U	0.070 U	0.082 U	0.070 U	0.074 U	0.072 U	0.078 U	
Hexachlorocyclopentadiene	NA	NA	NA	NA	NA	0.37 U	0.34 U	0.38 U	0.35 U	0.41 U	0.35 U	0.37 U R	0.35 U R	0.38 U R	
Hexachloroethane	NA	NA	NA	NA	NA	0.037 U	0.034 U	0.038 U	0.035 U	0.041 U	0.035 U	0.037 U	0.035 U	0.038 U	
Indeno[1,2,3-cd]pyrene	0.5	0.5	0.5	5.6	8.2	0.037 U	0.034 U	0.038 U	0.035 U	0.041 U	0.035	0.037	0.065	0.038 U	
Isophorone	NA	NA	NA	NA	NA	0.37 U	0.34 U	0.38 U	0.35 U	0.41 U	0.35 U	0.37 U	0.35 U	0.38 U	
Naphthalene	12	100	100	500	12	0.37 U	0.34 U	0.38 U	0.35 U	0.41 U	0.35 U	0.37 U	0.35 U	0.38 U	
Nitrobenzene	NA	NA	NA	NA	NA	0.037 U	0.034 U	0.038 U	0.035 U	0.041 U	0.035 U	0.037 U	0.035 U	0.038 U	
N-Nitrosodi-n-propylamine	NA	NA	NA	NA	NA	0.037 U	0.034 U	0.038 U	0.035 U	0.041 U	0.035 U	0.037 U	0.035 U	0.038 U	
N-Nitrosodiphenylamine	NA	NA	NA	NA	NA	0.37 U	0.34 U	0.38 U	0.35 U	0.41 U	0.35 U	0.37 U	0.35 U	0.38 U	
Pentachlorophenol	0.8	2.4	6.7	6.7	0.8	1.1 U	1.0 U	1.2 U	1.0 U	1.2 U	1.0 U	1.1 U	1.1 U	1.2 U	
Phenanthrene	100	100	100	500	1,000	0.37 U	0.34 U	0.38 U	0.35 U	0.41 U	0.077 J	0.021 J	0.14 J	0.38 U	
Phenol	0.33	100	100	500	0.33	0.37 U	0.34 U	0.38 U	0.35 U	0.41 U	0.35 U	0.37 U	0.35 U	0.38 U	
Pyrene	100	100	100	500	1,000	0.37 U	0.033 J	0.38 U	0.35 U	0.41 U	0.12 J	0.049 J B	0.20 J B	0.38 U	
Pyridine	NA	NA	NA	NA	NA	0.37 U	0.34 U	0.38 U	0.35 U	0.41 U	0.35 U	0.37 U	0.35 U	0.38 U	
Total SVOC TICS:	NA					ND	0.29	ND	ND	ND	ND	3.3	3.53	3.75	

Notes
ND: TIC not detected
J : This flag indicates the presumptive evidence of a compound.
J N : This flag indicates the presumptive evidence of a compound.
U : Analyzed for but not detected.
U R : Value is rejected based upon DUSR by third party data validator.



Table 6-49
C1 South Alleyway Area
Confirmatory, Port-Excavation TAL Metals Soil Analytical Data

TAL Metals (mg/kg)	NYSDEC SCOs				Post-excavation End-point Soil Analytical Data														
					South Alleyway														
					Side-wall Samples														
	Unrestricted	Residential	Restricted Residential	Protection of Groundwater	C1-EP#2 (7.5')	C1-EP#3 (7.5')	C1-EP#5 (7.5')	C1-EP#6 (7.5')	C1-EP#8 (7.5')	C1-EP#9 (7.5')	C1-EP#11 (7.5')	C1-EP#12 (7.5')	C1-EP#14 (7.5')	C1-EP#16 (4.5')	C1-EP#17 (7.5')	C1-EP#19 (4')	C1-EP#21 (1')	C1-EP#22 (4')	C1-EP#24 (2')
Aluminum	NA	NA	NA	NA	2,810	2,540	3,150	3,120	9,150	6,220	10,500	10,100	11,100	13,100	10,300	10,800	8,250	15,600	6,760
Antimony	NA	NA	NA	NA	4.1 U	3.8 U	3.8 U	3.9 U	4.4 U	4.4 U	0.65 J	3.9 U	0.75 J	4.0 U	3.5 U	4.0 U	3.9 U	5.2 U	3.7 U
Arsenic	13	16	16	16	1.2 J	0.84 J	2.0 J	2.4 J	3.3	3.6	3.2	3.4	12.6	3.0	1.3 J	4.6	8.5	5.6	5.9
Barium	350	350	400	820	23.7 J	25.8 J	23.3 J	18.5 J	43.5 J	31.8 J	88.7	63.2	43.3	90.6	62.2	73.6	43.8	122	59.2
Beryllium	7.2	14	72	47	0.41 U	0.20 J	0.22 J	0.20 J	0.27 J	0.25 J	0.30 U	0.39 U	0.33 U	0.47	0.13 J	0.35 J	0.15 J	0.69	0.37 U
Cadmium	2.5	2.5	4.3	7.5	0.81 U	0.75 U	0.76 U	0.78 U	0.88 U	0.88 U	0.60 U	0.78 U	0.77	0.79 U	0.71 U	0.80 U	0.20 J	1.0 U	0.73 U
Calcium	NA	NA	NA	NA	350 J	120 J	255 J	252 J	880 J	358 J	3,250	1,250	10,700	1,480	822 J	1,100	1,330	2,340	1,200
Chromium ¹	30	36	180	NS	4.9	6.0	7.7	6.5	21.6	13.0	62.0	15.8	8.1	25.5	24.9	17.4	14.4	29.3	22.4
Cobalt	NA	NA	NA	NA	1.6 J	3.4 J	1.8 J	4.5 J	10.6 J	4.8 J	10.0	8.6 J	13.7	4.6 J	5.3 J	6.3 J	6.7 J	10.6 J	6.7 J
Copper	50	270	270	1,720	3.9 J	4.9	6.3	4.5 J	17.4	8.8	12.2	12.3	117	9.8	12.5	9.8	16.3	15.3	15.9
Iron	NA	NA	NA	NA	5,350	6,680	12,700	13,600	22,500	16,600	17,700	17,800	27,900	19,000	13,800	14,600	11,100	17,500	17,700
Lead	63	400	400	450	1.2 J	1.7 J	1.8 J	2.0	10.0	4.8	4.7	4.0	28.6	7.8	6.1	22.4	18.0	58.0	6.6
Magnesium	NA	NA	NA	NA	597 J	631 J	586 J	634 J	2,560	1,420	7,960	3,010	6,810	2,190	2,700	1,650	1,710	2,150	2,530
Manganese	1,600	2,000	2,000	2,000	866	789	1,050	613	342	604	609	466	456	180	125	818	276	1,260	981
Nickel	30	140	310	130	7.1 J	6.0 J	5.5 J	4.7 J	13.4	8.5 J	35.5	12.9	20.2	12.2	12.6	9.9	20.6	14.1	12.7
Potassium	NA	NA	NA	NA	309 J	291 J	525 J	493 J	1,070 J	1,180	3,450	1,140	882	863 J	1,320	403 J	606 J	795 J	837 J
Selenium	3.9	36	180	4	4.1 U	3.8 U	3.8 U	3.9 U	4.4 U	4.4 U	3.0 U	3.9 U	3.3 U	4.0 U	3.5 U	0.93 J	3.9 U	1.6 J	3.7 U
Silver	2	36	180	8.3	2.0 U	1.9 U	1.9 U	2.0 U	2.2 U	2.2 U	1.5 U	2.0 U	54.5	2.0 U	1.8 U	2.0 U	13.4	2.6 U	5.9
Sodium	NA	NA	NA	NA	1,010 U	940 U	945 U	976 U	147 J	1,100 U	251 J	230 J	776 J	333 J	281 J	190 J	161 J	262 J	221 J
Thallium	NA	NA	NA	NA	4.1 U	3.8 U	1.1 J	3.9 U	4.4 U	4.4 U	3.0 U	3.9 U	3.3 U	4.0 U	3.5 U	4.0 U	3.9 U	5.2 U	3.7 U
Vanadium	NA	NA	NA	NA	6.3 J	6.7 J	10.1	9.7 J	31.3	16.9	33.6	20.1	60.5	26.7	25.3	17.9	19.9	24.3	19.1
Zinc	109	2,200	10,000	2,480	7.3	8.8	9.4	9.7	43.6	34.5	30.3	30.4	107	33.4	32.9	36.6	72.0	50.8	27.3
Mercury	0.18	0.81	0.81	0.73	0.016 U	0.017 U	0.017 U	0.017 U	0.018 J	0.020	0.018 U	0.017 U	0.16	0.023	0.018 U	0.058	0.063	0.17	0.048

TAL Metals (mg/kg)	NYSDEC SCOs				Post-excavation End-point Soil Analytical Data												Supplemental Soil Samples		Supplemental Soil Samples	
					South Alleyway												Supplemental Soil Samples		Supplemental Soil Samples	
					Bottom Samples												Bottom Samples		Bottom Samples	
	Unrestricted	Residential	Restricted Residential	Protection of Groundwater	C1-EP#1 (8')	C1-EP#4 (8')	C1-EP#7 (8')	C1-EP#10 (8')	C1-EP#13 (8')	C1-EP#15 (8')	C1-EP#18 (5.5')	C1-EP#20 (5.5')	C1-EP#23 (5.5')	C1-EP#28 (8')	C1-EP#29 (8')	C1-EP#29 (10')	C1-EP#30 (10')			
Aluminum	NA	NA	NA	NA	3,050	3,460	7,730	4,260	7,760	9,540	10,600	6,290	20,200	4800	3410	3,690	1,210			
Antimony	NA	NA	NA	NA	4.4 U	3.9 U	4.2 U	3.3 U	4.4 U	1.0 J	4.0 U	4.0 U	1.5 J	3.3 U	3.7 U	3.4 U	3.7 U			
Arsenic	13	16	16	16	1.4 J	2.6 J	3.8	1.8 J	2.1 J	7.5	3.6	1.2 J	1.3 J	1.3 J	1.8 J	2.0 J	0.72 J			
Barium	350	350	400	820	15.9 J	41.8	49.3	22.3 J	73.3	63.2	60.7	40.5	101	18.6 J	13.7 J	25.9 J	4.8 J			
Beryllium	7.2	14	72	47	0.15 J	0.16 J	0.31 J	0.12 J	0.47	0.33 J	0.26 J	0.40 U	0.36 J	0.23 J	0.20 J	0.32 J	0.37 U			
Cadmium	2.5	2.5	4.3	7.5	0.87 U	0.77 U	0.84 U	0.67 U	0.89 U	0.82 U	0.79 U	0.81 U	0.88 U	0.67 U	0.73 U	0.68 U	0.75 U			
Calcium	NA	NA	NA	NA	270 J	471 J	1,380	1,210	699 J	1,620	21,100	472 J	1,690	1,380	47,000	651 J	936 U			
Chromium ¹	30	36	180	NS	8.5	21.7	18.9	10.7	25.4	18.8	17.7	18.0	64.1	8.8	5.9	10.0	4.0			
Cobalt	NA	NA	NA	NA	2.4 J	5.6 J	9.7 J	3.4 J	7.7 J	6.8 J	4.8 J	2.5 J	10.2 J	1.9 J	1.5 J	2.9 J	1.4 J			
Copper	50	270	270	1,720	5.8	8.0	14.5	7.1	19.2	17.9	10.6	1.8 J	6.5	6.5	4.7	5.1	3.0 J			
Iron	NA	NA	NA	NA	10,100	8,750	19,500	9,370	9,270	20,700	14,500	7,730	29,100	6,420	4,870	4,760	2,910			
Lead	63	400	400	450	3.7	2.7	8.1	5.9	8.5	22.3	22.8	6.9	7.8	8.3	5.5	3.5	2.4			
Magnesium	NA	NA	NA	NA	526 J	895 J	2,690	1,390	2,080	2,500	13,100	1,750	6,990	1,300	22,800	1,340	390 J			
Manganese	1,600	2,000	2,000	2,000	307	1,330	702	291	123	703	300	97.4	226	56.5	69.1	48.4	101			
Nickel	30	140	310	130	4.8 J	9.8	15.1	6.9	13.6	14.2	10.1	7.1 J	19.0	5.1 J	4.1 J	5.8 J	3.0 J			
Potassium	NA	NA	NA	NA	378 J	332 J	1,120	390 J	1,100 J	764 J	481 J	344 J	638 J	399 J	348 J	789 J	81.3 J			
Selenium	3.9	36	180	4	4.4 U	3.9 U	4.2 U	3.3 U	4.4 U	4.1 U	0.97 J	4.0 U	4.4 U	3.3 U	3.7 U	3.4 U	3.7 U			
Silver	2	36	180	8.3	2.2 U	2.2	0.64 J	1.7	2.2 U	8.7	1.2 J	2.0 U	2.2 U	4.0	2.8	1.7 U	1.9 U			
Sodium	NA	NA	NA	NA	1,090 U	81 J	1,050 U	104 J	161 J	242 J	138 J	1,010 U	313 J	836 U	71.7 J	66.1 J	936 U			
Thallium	NA	NA	NA	NA	4.4 U	1.4 J	4.2 U	3.3 U	4.4 U	4.1 U	4.0 U	4.0 U	4.4 U	3.3 U	3.7 U	3.4 U	3.7 U			
Vanadium	NA	NA	NA	NA	10.3 J	9.4 J	26.4	12.5	29.7	24.9	19.7	9.2 J	31.5	12.6	8.3 J	10.1	3.0 J			
Zinc	109	2,200	10,000	2,480	8.0	12.2	39.3	17.4	44.4	45.4	37.7	22.7	78.0	19.7	12.9	14.5	6.7			
Mercury	0.18	0.81	0.81	0.73	0.018 U	0.018 U	0.021	0.018 U	0.031	0.049	0.056	0.013 J	0.015 J	0.017 U	0.016 U	0.018 U	0.017 U			

Notes
J : Sample result is greater than the MDL but below the CRDL
U : Indicates analyzed for but not detected.
¹ Trivalent chromium SCOs utilized.
Highlighted / bolded indicates analyte exceeded above its respective NYSDEC Unrestricted SCO.
NA - Not Available
Indicates that sample locations were removed as part of supplemental soil excavation activities.
Highlighted / bolded indicates analyte exceeded above its respective NYSDEC Unrestricted SCO.
Green / italicized value indicates analyte exceeded its respective unrestricted SCO but was below its respective Residential / Protection of GW SCO, whichever is lower.
Blue / italicized value indicates analyte exceeded its respective Residential SCO and / or Protection of Groundwater SCO but was below its Restricted Residential SCO.



Table 6-50
TAL Metals Soil Analytical Data
South Alleyway Area Supplemental Borings

TAL Metals (mg/kg)	NYSDEC SCOs					South Alleyway Supplemental Borings									
						Soil Analytical Data									
						SA-01		SA-02 (2')		SA-03		SA-04 (2')		SA-05	
	Unrestricted	Residential	Restricted Residential	Commercial	Protection of Groundwater	(2')	(7')	(2')	(7')	(2')	(7')	(2')	(7')	(2')	(7')
Aluminum	NA	NA	NA	NA	NA	5,130	21,500	13,400	9,030	14,700	11,100	13,000	7,350	5,430	7,470
Antimony	NA	NA	NA	NA	NA	3.4 U	3.7 U	3.7 U	3.4 U	4.1 U	3.5 U	3.6 U	3.4 U	4.0 U	3.9 U
Arsenic	13	16	16	16	16	7.2	1.5 J	5.3	1.0 J	6.7	1.3 J	4.4	1.4 J	4.3	1.7 J
Barium	350	350	400	400	820	97.4	136	58.3	86.3	60.6	90.1	51.6	46.8	53.9	52.6
Beryllium	7.2	14	72	590	47	0.34 U	0.97	0.34 J	0.30 J	0.37 J	0.28 J	0.41	0.34 U	0.40 U	0.41
Cadmium	2.5	2.5	4.3	9.3	7.5	0.69 U	0.74 U	0.73 U	0.67 U	0.81 U	0.70 U	0.72 U	0.69 U	0.79 U	0.77 U
Calcium	NA	NA	NA	NA	NA	1,890	1,700	1,240	1,150	1,420	1,120	1,840	571 J	836 J	1,300
Chromium ¹	30	36	180	1,500	NS	10.6	48.7	20.5	23.5	23.9	18.5	19.6	15.8	11.2	19.0
Cobalt	NA	NA	NA	NA	NA	2.6 J	12.6	6.8 J	4.5 J	7.1 J	2.9 J	7.0 J	2.4 J	6.0 J	4.6 J
Copper	50	270	270	270	1,720	13.1	27.9	12.7	12.5	13.6	10.0	11.8	13.7	11.7	10.8
Iron	NA	NA	NA	NA	NA	7,760	25,000	20,000	12,100	23,300	8,010	19,300	6,750	14,800	7,820
Lead	63	400	400	1,000	450	53.5	11.6	14.9	6.1	14.7	9.7	16.5	5.4	25.1	6.5
Magnesium	NA	NA	NA	NA	NA	1250	8,310	2,480	3,140	2,700	1,830	2,320	1,800	1,130	2,530
Manganese	1,600	2,000	2,000	10,000	2,000	132	263	351	88.7	276	60.5	180	57.6	551	89.1
Nickel	30	140	310	310	130	6.0 J	34.9	12.2	14.0	12.8	9.7	14.2	8.1	10.3	15.0
Potassium	NA	NA	NA	NA	NA	340 J	6,120	651 J	2,020	779 J	685 J	718 J	731 J	497 J	1,140
Selenium	3.9	36	180	1,500	4	3.4 U	3.7 U	3.7 U	3.4 U	4.1 U	3.5 U	3.6 U	3.4 U	4.0 U	3.9 U
Silver	2	36	180	1,500	8.3	1.7 U	1.9 U	1.8 U	1.7 U	2.0 U	1.8 U	2.8	1.7 U	2.1	1.9 U
Sodium	NA	NA	NA	NA	NA	113 J	192 J	257 J	105 J	311 J	169 J	157 J	102 J	167 J	80.7 J
Thallium	NA	NA	NA	NA	NA	3.4 U	3.7 U	3.7 U	3.4 U	4.1 U	3.5 U	3.6 U	3.4 U	4.0 U	3.9 U
Vanadium	NA	NA	NA	NA	NA	12.2	56.1	28.3	27.2	33.0	17.0	29.6	12.8	14.4	18.2
Zinc	109	2,200	10,000	10,000	2,480	84.2	91.6	42.1	37.2	37.9	39.0	41.9	21.6	23.8	45.0
Mercury	0.18	0.81	0.81	2.8	0.73	0.064	0.020 U	0.043	0.019 U	0.055	0.027	0.045	0.013 J	0.031	0.019 U
Hexavalent Chrome	1	22			19	NA	2.4 U	NA	NA	NA	NA	NA	NA	NA	NA

TAL Metals (mg/kg)	NYSDEC SCOs					Soil Analytical Data									
						SA-06		SA-07		SA-08		SA-09		SA-10	
	Unrestricted	Residential	Restricted Residential	Commercial	Protection of Groundwater	(2')	(7')	(2')	(7')	(2')	(7')	(2')	(7')	(2')	(7')
Aluminum	NA	NA	NA	NA	NA	3,860	8,000	7,100	12,600	14,900	20,300	7,280	4,060	11,600	8,730
Antimony	NA	NA	NA	NA	NA	4.3 U	3.8 U	4.1 U	4.0 U	3.3 U	3.4 U	4.1 U	3.1 U	4.3 U	4.3 U
Arsenic	13	16	16	16	16	2.3 J	2.0 J	10.4	1.5 J	6.2	3.5	7.3	1.1 J	5.3	1.7 J
Barium	350	350	400	400	820	37.1 J	74.2	56.0	134	67.5	622	76.5	31.3	78.1	48.4
Beryllium	7.2	14	72	590	47	0.43 U	0.33 J	0.48	0.44	0.40	0.34 U	0.34 J	0.31 U	0.43	0.29 J
Cadmium	2.5	2.5	4.3	9.3	7.5	0.85 U	0.76 U	0.82 U	0.80 U	0.67 U	0.69 U	0.82 U	0.62 U	0.87 U	0.85 U
Calcium	NA	NA	NA	NA	NA	687 J	626 J	1,080	1,020	1,290	7,600	1,310	445 J	2,360	762 J
Chromium ¹	30	36	180	1,500	NS	7.6	19.1	19.8	29.6	27.8	95.2	14.6	11.4	19.6	20.0
Cobalt	NA	NA	NA	NA	NA	2.9 J	3.8 J	5.8 J	8.0 J	6.5 J	15.2	6.2 J	3.5 J	6.8 J	3.2 J
Copper	50	270	270	270	1,720	6.0	17.1	8.5	20.6	14.6	26.0	17.1	5.6	22.0	10.3
Iron	NA	NA	NA	NA	NA	6,700	7,730	22,800	23,600	25,600	37,000	15,300	6,530	18,000	7,620
Lead	63	400	400	1,000	450	15.1	9.8	11.7	4.4	12.6	1.7 U	40.0	2.0	28.6	7.3
Magnesium	NA	NA	NA	NA	NA	846 J	1,950	1,960	4,370	3,470	18,400	1,810	1,450	2,860	2,010
Manganese	1,600	2,000	2,000	10,000	2,000	283	75.1	828	168	234	660	869	140	413	87.0
Nickel	30	140	310	310	130	7.2 J	11.4	10.6	22.0	14.2	34.4	11.9	9.5	14.2	10.6
Potassium	NA	NA	NA	NA	NA	282 J	1,350	611 J	3,360	1,250	14,400	732 J	709 J	552 J	1,080
Selenium	3.9	36	180	1,500	4	4.3 U	3.8 U	4.1 U	4.0 U	3.3 U	3.4 U	4.1 U	3.1 U	4.3 U	4.3 U
Silver	2	36	180	1,500	8.3	0.92 J	1.9 U	0.43 J	2.0 U	1.7 U	1.7 U	0.77 J	1.6 U	0.73 J	2.1 U
Sodium	NA	NA	NA	NA	NA	1,060 U	87.0 J	155 J	143 J	150 J	260 J	119 J	69 J	291 J	158 J
Thallium	NA	NA	NA	NA	NA	4.3 U	3.8 U	4.1 U	4.0 U	3.3 U	3.4 U	4.1 U	3.1 U	4.3 U	4.3 U
Vanadium	NA	NA	NA	NA	NA	9.3 J	16.6	28.4	36.5	36.6	75.7	20.0	9.9	27.6	17.9
Zinc	109	2,200	10,000	10,000	2,480	18.7	29.1	28.1	55.4	40.2	73.3	43.1	16.9	57.9	30.0
Mercury	0.18	0.81	0.81	2.8	0.73	0.037	0.018 U	0.025	0.020 U	0.041	0.017 U	0.095	0.018 U	0.042	0.019 U
Hexavalent Chrome	1	22			19	NA	NA	NA	NA	NA	0.6 J	2.3 U	2.2 U	NA	NA

Notes

J : Sample result is greater than the MDL but below the CRDL

U : Indicates analyzed for but not detected.

¹ Trivalent chromium SCOs utilized.

Highlighted / bolded indicates analyte exceeded above its respective NYSDEC Unrestricted SCO.

Green / italicized value indicts analyte exceeded its respective unrestricted SCO but was below its respective Residential / Protection of GW SCO, whichever is lower.

NA - Not Available / Not Analyzed

NS - No Standard Available

Highlighted / bolded indicates analyte exceeded above its respective NYSDEC Unrestricted SCO.

Green / italicized value indicates analyte exceeded its respective unrestricted SCO but was below its respective Residential / Protection of GW SCO, whichever is lower.

Blue / italicized value indicates analyte exceeded its respective Residential SCO and / or Protection of Groundwater SCO but was below its Restricted Residential SCO.

Pink / italicized value indicates analyte exceeded its respective Residential SCO and / or Protection of Groundwater SCO but was below its Commercial SCO.



Table 6-51
TCL VOCs Soil Analytical Data
Former Wedge Building - Post-excavation Data

TCL VOCs (mg/kg)	NYSDEC Unrestricted SCO	Post-excavation End-point Soil Analytical Data					
		Former Chemical UST Area					
		Bottom Samples					
		W-EP#1(6') (6')	W-EP#2 (6')	W-EP#3 (10')	W-EP#4 (10')	W-EP#5 (10')	W-EP#6 (8')
1,1,1-Trichloroethane	0.68	0.00094 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U
1,1,2,2-Tetrachloroethane	NA	0.00094 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U
1,1,2-Trichloroethane	NA	0.00094 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U
1,1-Dichloroethane	0.27	0.00094 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U
1,1-Dichloroethene	0.33	0.00094 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U
1,2,3-Trichlorobenzene	NA	0.00094 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U
1,2,4-Trichlorobenzene	NA	0.00094 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U
1,2-Dibromo-3-Chloropropane	NA	0.00094 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U
1,2-Dibromoethane	NA	0.00094 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U
1,2-Dichlorobenzene	1.1	0.00094 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U
1,2-Dichloroethane	0.02	0.00094 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U
1,2-Dichloropropane	NA	0.00094 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U
1,3-Dichlorobenzene	2.4	0.00094 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U
1,4-Dichlorobenzene	1.8	0.00094 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U
1,4-Dioxane	0.1	0.019 U	0.022 U	0.021 U	0.023 U	0.022 U	0.022 U
2-Butanone (MEK)	0.12	0.0047 U	0.0056 U	0.0053 U	0.0057 U	0.0055 U	0.0054 U
2-Hexanone	NA	0.0047 U	0.0056 U	0.0053 U	0.0057 U	0.0055 U	0.0054 U
4-Methyl-2-pentanone	NA	0.0047 U	0.0056 U	0.0053 U	0.0057 U	0.0055 U	0.0054 U
Acetone	0.05	0.0047 U	0.0056 U	0.0053 U	0.0057 U	0.0055 U	0.0054 U
Benzene	0.06	0.00094 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U
Bromochloromethane	NA	0.00094 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U
Bromodichloromethane	NA	0.00094 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U
Bromoform	NA	0.00094 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U
Bromomethane	NA	0.00094 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U
Carbon disulfide	NA	0.00094 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U
Carbon tetrachloride	0.76	0.00094 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U
Chlorobenzene	1.1	0.00094 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U
Chloroethane	NA	0.00094 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U
Chloroform	0.37	0.00094 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U
Chloromethane	NA	0.00094 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U
cis-1,2-Dichloroethene	0.25	0.00094 U	0.00033 J	0.0011 U	0.00055 J	0.00031 J	0.0011 U
cis-1,3-Dichloropropene	NA	0.00094 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U
Cyclohexane	NA	0.00094 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U
Dibromochloromethane	NA	0.00094 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U
Dichlorodifluoromethane	NA	0.00094 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U
Ethylbenzene	1	0.00094 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U
Freon 113	NA	0.00094 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U
Isopropylbenzene	NA	0.00094 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U
m&p-Xylene	0.26	0.0019 U	0.0022 U	0.0021 U	0.0023 U	0.0022 U	0.0022 U
Methyl acetate	NA	0.00094 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U
Methylcyclohexane	NA	0.00094 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U
Methylene Chloride	0.05	0.0014	0.0012	0.0012	0.00039 J	0.00075 J	0.00043 J
MTBE	0.93	0.00094 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U
Naphthalene	12	0.00094 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U
o-Xylene	0.26	0.00094 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U
Styrene	NA	0.00094 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U
Tetrachloroethene	1.3	0.00027 J	0.0025	0.00030 J	0.0044	0.012	0.00078 J
Toluene	0.7	0.00094 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U
trans-1,2-Dichloroethene	0.19	0.00094 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U
trans-1,3-Dichloropropene	NA	0.00094 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U
Trichloroethene	0.47	0.00094 U	0.0011	0.0011 U	0.0014	0.0048	0.00027 J
Trichlorofluoromethane	NA	0.00094 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U
Vinyl chloride	0.02	0.00094 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U
Xylenes, Total	0.26	0.0028 U	0.0034 U	0.0032 U	0.0034 U	0.0033 U	0.0033 U
VOC TICs	NA	ND	ND	ND	ND	ND	ND

Notes
ND: TIC not detected
J : Indicates an estimated value.
J N : Indicates an estimated value.
U : Analyzed for but not detected.



Table 6-52
TCL SVOCs Soil Analytical Data
Former Wedge Building - Post-excavation Data

TCL SVOCs (mg/kg)	NYSDEC Unrestricted SCO	Post-excavation End-point Soil Analytical Data										
		Former Chemical UST Area						East End of Area				
		Bottom Samples						Bottom Samples				
		W-EP#1 (6)	W-EP#2 (6)	W-EP#3 (10)	W-EP#4 (10)	W-EP#5 (10)	W-EP#6 (8)	W-EP#7 (2)	W-EP#8 (2)	W-EP#9 (3)	W-EP#10 (3)	W-EP#11 (3)
1,2,4,5-Tetrachlorobenzene	NA	0.34 U/R	3.4 U/R	0.34 U/R	0.34 U	0.67 U/R	0.35 U/R	1.9 U/R	0.36 U/R	1.9 U/R	1.9 U/R	7.6 U/R
1,4-Dioxane	0.1	0.34 U	3.4 U	0.34 U	0.34 U	0.34 U	0.67 U	1.9 U	0.36 U	1.9 U	1.9 U	7.6 U
2,2'-oxybis[1-chloropropane]	NA	0.34 U	3.4 U	0.34 U	0.34 U	0.67 U	0.35 U	1.9 U	0.36 U	1.9 U	1.9 U	7.6 U
2,3,4,6-Tetrachlorophenol	NA	0.34 U	3.4 U	0.34 U	0.34 U	0.67 U	0.35 U	1.9 U/R	0.36 U/R	1.9 U/R	1.9 U/R	7.6 U/R
2,4,5-Trichlorophenol	NA	0.34 U	3.4 U	0.34 U	0.34 U	0.67 U	0.35 U	1.9 U	0.36 U	1.9 U	1.9 U	7.6 U
2,4,6-Trichlorophenol	NA	0.34 U	3.4 U	0.34 U	0.34 U	0.67 U	0.35 U	1.9 U	0.36 U	1.9 U	1.9 U	7.6 U
2,4-Dichlorophenol	NA	0.34 U	3.4 U	0.34 U	0.34 U	0.67 U	0.35 U	1.9 U	0.36 U	1.9 U	1.9 U	7.6 U
2,4-Dimethylphenol	NA	0.34 U	3.4 U	0.34 U	0.34 U	0.67 U	0.35 U	1.9 U	0.36 U	1.9 U	1.9 U	7.6 U
2,4-Dinitrophenol	NA	1.0 U	10 U	1.0 U	1.0 U	2.0 U	1.1 U	5.6 U	1.1 U	5.7 U	5.9 U	23 U
2,4-Dinitrotoluene	NA	0.068 U	0.68 U	0.069 U	0.070 U	0.14 U	0.070 U	0.38 U	0.073 U	0.38 U	0.39 U	1.5 U
2,6-Dinitrotoluene	NA	0.068 U	0.68 U	0.069 U	0.070 U	0.14 U	0.070 U	0.38 U	0.073 U	0.38 U	0.39 U	1.5 U
2-Chloronaphthalene	NA	0.34 U	3.4 U	0.34 U	0.34 U	0.67 U	0.35 U	1.9 U	0.36 U	1.9 U	1.9 U	7.6 U
2-Chlorophenol	NA	0.34 U	3.4 U	0.34 U	0.34 U	0.67 U	0.35 U	1.9 U	0.36 U	1.9 U	1.9 U	7.6 U
2-Methylnaphthalene	NA	0.34 U	0.89 J	0.34 U	0.34 U	0.13 J	0.35 U	0.31 J	0.36 U	1.9 U	1.9 U	2.9 J
2-Methylphenol	0.33	0.34 U	3.4 U	0.34 U	0.34 U	0.67 U	0.35 U	1.9 U	0.36 U	1.9 U	1.9 U	7.6 U
2-Nitroaniline	NA	0.68 U	6.8 U	0.69 U	0.70 U	1.4 U	0.70 U	3.8 U	0.73 U	3.8 U	3.9 U	15 U
2-Nitrophenol	NA	0.34 U	3.4 U	0.34 U	0.34 U	0.67 U	0.35 U	1.9 U	0.36 U	1.9 U	1.9 U	7.6 U
3,3'-Dichlorobenzidine	NA	0.68 U	6.8 U	0.69 U	0.70 U	1.4 U	0.70 U	3.8 U	0.73 U	3.8 U	3.9 U	15 U
3-Nitroaniline	NA	0.68 U	6.8 U	0.69 U	0.70 U	1.4 U	0.70 U	3.8 U	0.73 U	3.8 U	3.9 U	15 U
4,6-Dinitro-2-methylphenol	NA	1.0 U	10 U	1.0 U	1.0 U	2.0 U	1.1 U	5.6 U	1.1 U	5.7 U	5.9 U	23 U
4-Bromophenyl phenyl ether	NA	0.34 U	3.4 U	0.34 U	0.34 U	0.67 U	0.35 U	1.9 U	0.36 U	1.9 U	1.9 U	7.6 U
4-Chloro-3-methylphenol	NA	0.34 U	3.4 U	0.34 U	0.34 U	0.67 U	0.35 U	1.9 U	0.36 U	1.9 U	1.9 U	7.6 U
4-Chloroaniline	NA	0.34 U	3.4 U	0.34 U	0.34 U	0.67 U	0.35 U	1.9 U	0.36 U	1.9 U	1.9 U	7.6 U
4-Chlorophenyl phenyl ether	NA	0.34 U	3.4 U	0.34 U	0.34 U	0.67 U	0.35 U	1.9 U	0.36 U	1.9 U	1.9 U	7.6 U
4-Methylphenol	0.33	0.34 U	3.4 U	0.34 U	0.34 U	0.67 U	0.35 U	1.9 U	0.36 U	1.9 U	1.9 U	7.6 U
4-Nitroaniline	NA	0.68 U	6.8 U	0.69 U	0.70 U	1.4 U	0.70 U	3.8 U	0.73 U	3.8 U	3.9 U	15 U
4-Nitrophenol	NA	1.0 U	10 U	1.0 U	1.0 U	2.0 U	1.1 U	5.6 U	1.1 U	5.7 U	5.9 U	23 U
Acenaphthene	20	0.34 U	2.6 J	0.34 U	0.34 U	0.61 J	0.35 U	0.91 J	0.20 J	0.50 J	0.65 J	7.9
Acenaphthylene	100	0.34 U	3.4 U	0.34 U	0.34 U	0.67 U	0.35 U	1.9 U	0.36 U	1.9 U	1.9 U	7.6 U
Acetophenone	NA	0.34 U	3.4 U	0.34 U	0.34 U	0.67 U	0.35 U	1.9 U	0.36 U	1.9 U	1.9 U	7.6 U
Anthracene	100	0.34 U	6.9	0.34 U	0.10 J	2.1	0.14 J	2.4	0.44	1.3 J	1.6 J	23
Atrazine	NA	0.34 U	3.4 U	0.34 U	0.34 U	0.67 U	0.35 U	1.9 U	0.36 U	1.9 U	1.9 U	7.6 U
Benzaldehyde	NA	0.34 U	3.4 U	0.34 U	0.34 U	0.67 U	0.35 U	1.9 U	0.36 U	1.9 U	1.9 U	7.6 U
Benzo[a]anthracene	1	0.034 U	11	0.034 U	0.38	4.1	0.81	4.8	1.6	4.5	5.1	51
Benzo[a]pyrene	1	0.034 U	10 J	0.034 U	0.54 J	3.8 J	1.3 J	5.4 J	2.9 J	4.9 J	5.5 J	46 J
Benzo[b]fluoranthene	1	0.034 U	11	0.034 U	0.62	4.7	1.5	5.8	4.3	5.6	6.9	56
Benzo[g,h,i]perylene	100	0.34 U	4.2	0.34 U	0.28 J	1.5	0.69	2.2	0.73	2.3	2.3	16
Benzo[k]fluoranthene	0.8	0.034 U	4.7	0.034 U	0.28	1.7	0.56	2.2	1.6	2.1	2.4	19
Bis(2-chloroethoxy)methane	NA	0.34 U	3.4 U	0.34 U	0.34 U	0.67 U	0.35 U	1.9 U	0.36 U	1.9 U	1.9 U	7.6 U
Bis(2-chloroethyl)ether	NA	0.034 U	0.34 U	0.034 U	0.034 U	0.067 U	0.035 U	0.19 U	0.036 U	0.19 U	0.19 U	0.76 U
Bis(2-ethylhexyl) phthalate	NA	0.34 U	3.4 U	0.34 U	0.34 U	0.67 U	0.35 U	1.9 U	0.36 U	1.9 U	1.9 U	7.6 U
Butyl benzyl phthalate	NA	0.34 U	3.4 U	0.34 U	0.34 U	0.67 U	0.35 U	1.9 U	0.36 U	1.9 U	1.9 U	7.6 U
Caprolactam	NA	0.34 U	3.4 U	0.34 U	0.34 U	0.67 U	0.35 U	1.9 U	0.36 U	1.9 U	1.9 U	7.6 U
Carbazole	NA	0.34 U	2.3 J	0.34 U	0.34 U	0.83	0.35 U	0.47 J	0.26 J	0.33 J	0.51 J	5.9 J
Chrysene	1	0.34 U	11	0.34 U	0.40	4.0	0.89	5.7	2.0	5.2	6.2	55
Dibenz(a,h)anthracene	0.33	0.034 U	1.2	0.034 U	0.081	0.44	0.18	0.59	0.25	0.54	0.66	4.3
Dibenzofuran	7	0.34 U	1.5 J	0.34 U	0.34 U	0.30 J	0.35 U	0.28 J	0.089 J	1.9 U	0.27 J	4.1 J
Diethyl phthalate	NA	0.34 U	3.4 U	0.061 J	0.34 U	0.67 U	0.35 U	1.9 U	0.36 U	1.9 U	1.9 U	7.6 U
Dimethyl phthalate	NA	0.34 U	3.4 U	0.34 U	0.34 U	0.67 U	0.35 U	1.9 U	0.36 U	1.9 U	1.9 U	7.6 U
Di-n-butyl phthalate	NA	0.34 U	3.4 U	0.34 U	0.34 U	0.67 U	0.053 J	1.9 U	0.36 U	1.9 U	1.9 U	7.6 U
Di-n-octyl phthalate	NA	0.34 U	3.4 U	0.34 U	0.34 U	0.67 U	0.35 U	1.9 U	0.36 U	1.9 U	1.9 U	7.6 U
Diphenyl	NA	0.34 U	3.4 U	0.34 U	0.34 U	0.67 U	0.35 U	1.9 U	0.36 U	1.9 U	1.9 U	7.6 U
Fluoranthene	100	0.34 U	22	0.34 U	0.66	8.9	1.2	10	3.9	9.2	11	110
Fluorene	30	0.34 U	2.4 J	0.34 U	0.34 U	0.54 J	0.35 U	0.73 J	0.14 J	0.36 J	0.48 J	6.7 J
Hexachlorobenzene	0.33	0.034 U	0.34 U	0.034 U	0.034 U	0.067 U	0.035 U	0.19 U	0.036 U	0.19 U	0.19 U	0.76 U
Hexachlorobutadiene	NA	0.068 U	0.68 U	0.069 U	0.070 U	0.14 U	0.070 U	0.38 U	0.073 U	0.38 U	0.39 U	1.5 U
Hexachlorocyclopentadiene	NA	0.34 U	3.4 U	0.34 U	0.34 U	0.67 U	0.35 U	1.9 U	0.36 U	1.9 U	1.9 U	7.6 U
Hexachloroethane	NA	0.034 U	0.34 U	0.034 U	0.034 U	0.067 U	0.035 U	0.19 U	0.036 U	0.19 U	0.19 U	0.76 U
Indeno[1,2,3-cd]pyrene	0.5	0.034 U	5.0	0.034 U	0.32	1.8	0.72	2.3	0.88	2.3	2.5	18
Isophorone	NA	0.34 U	3.4 U	0.34 U	0.34 U	0.67 U	0.35 U	1.9 U	0.36 U	1.9 U	1.9 U	7.6 U
Naphthalene	12	0.34 U	1.8 J	0.34 U	0.34 U	0.17 J	0.35 U	0.34 J	0.061 J	1.9 U	0.27 J	3.1 J
Nitrobenzene	NA	0.034 U	0.34 U	0.034 U	0.034 U	0.067 U	0.035 U	0.19 U	0.036 U	0.19 U	0.19 U	0.76 U
N-Nitrosodi-n-propylamine	NA	0.034 U	0.34 U	0.034 U	0.034 U	0.067 U	0.035 U	0.19 U	0.036 U	0.19 U	0.19 U	0.76 U
N-Nitrosodiphenylamine	NA	0.34 U	3.4 U	0.34 U	0.34 U	0.67 U	0.35 U	1.9 U	0.36 U	1.9 U	1.9 U	7.6 U
Pentachlorophenol	0.8	1.0 U	10 U	1.0 U	1.0 U	2.0 U	1.1 U	5.6 U	1.1 U	5.7 U	5.9 U	23 U
Phenanthrene	100	0.34 U	28	0.34 U	0.54	9.6	0.60	12	3.4	9.0	11	130
Phenol	0.33	0.34 U	3.4 U	0.34 U	0.34 U	0.67 U	0.35 U	1.9 U	0.36 U	1.9 U	1.9 U	7.6 U
Pyrene	100	0.048 J	23	0.034 J	0.91	9.5	1.7	12	3.3	12	13	120
Pyridine	NA	0.34 U	3.4 U	0.34 U	0.34 U	0.67 U	0.35 U	1.9 U	0.36 U	1.9 U	1.9 U	7.6 U
SVOC TICs	NA	ND	14.9	0.27	0.35	8.69	1.61	91.80	2.92	7.00	11.60	160.70

Notes
ND: TIC not detected
*: LCS or LCSD exceeds the control limits
D : The reported value is from a dilution.
J : Indicates an estimated value.
J N : This flag indicates the presumptive evidence of a compound.
U : Analyzed for but not detected.
U R : Indicates that value is rejected beased upon DUSR review by third party data validator.
NA : Not Available



Table 6-52
Preliminary TCL SVOCs Soil Analytical Data
Former Wedge Building - Post-excavation Data

TCL SVOCs (mg/kg)	NYSDEC SCOs					Supplemental Post-excavation End-point Soil Analytical Data															
						East End Of Area								Former Chemical UST Area							
						Bottom Samples				Sidewall Samples								Bottom Samples			
	NYSDEC Unrestricted SCO	Residential	Restricted Residential	Commercial	Protection of Groundwater	W-EP#12 (5')	W-EP#13 (5')	W-EP#14 (5')	W-EP#15 (5')	W-EP#16 (3')	W-EP#17 (3')	W-EP#18 (10')	W-EP#19 (10')	W-EP#20 (10')	W-EP#21 (10')	W-EP#22 (10')	W-EP#23 (12')	W-EP#24 (12')	W-EP#25 (12')	W-EP#26 (6')	W-EP#27 (6')
1,2,4,5-Tetrachlorobenzene	NA	NA	NA	NA	NA	0.37 U	0.35 U	0.37 U	0.37 U	0.35 U	0.39 U	0.40 U	0.36 U	0.38 U	0.39 U	0.40 U	0.41 U	0.39 U	0.40 U	0.35 U	0.35 U
1,4-Dioxane	0.1	9.8	13	130	0.1	0.37 U	0.35 U	0.37 U	0.37 U	0.35 U	0.39 U	0.40 U	0.36 U	0.38 U	0.39 U	0.40 U	0.41 U	0.39 U	0.40 U	0.35 U	0.35 U
2,2'-oxybis[1-chloropropane]	NA	NA	NA	NA	NA	0.37 U	0.35 U	0.37 U	0.37 U	0.35 U	0.39 U	0.40 U	0.36 U	0.38 U	0.39 U	0.40 U	0.41 U	0.39 U	0.40 U	0.35 U	0.35 U
2,3,4,6-Tetrachlorophenol	NA	NA	NA	NA	NA	0.37 U	0.35 U	0.37 U	0.37 U	0.35 U	0.39 U	0.40 U	0.36 U	0.38 U	0.39 U	0.40 U	0.41 U	0.39 U	0.40 U	0.35 U	0.35 U
2,4,5-Trichlorophenol	NA	NA	NA	NA	NA	0.37 U	0.35 U	0.37 U	0.37 U	0.35 U	0.39 U	0.40 U	0.36 U	0.38 U	0.39 U	0.40 U	0.41 U	0.39 U	0.40 U	0.35 U	0.35 U
2,4,6-Trichlorophenol	NA	NA	NA	NA	NA	0.37 U	0.35 U	0.37 U	0.37 U	0.35 U	0.39 U	0.40 U	0.36 U	0.38 U	0.39 U	0.40 U	0.41 U	0.39 U	0.40 U	0.35 U	0.35 U
2,4-Dichlorophenol	NA	NA	NA	NA	NA	0.37 U	0.35 U	0.37 U	0.37 U	0.35 U	0.39 U	0.40 U	0.36 U	0.38 U	0.39 U	0.40 U	0.41 U	0.39 U	0.40 U	0.35 U	0.35 U
2,4-Dimethylphenol	NA	NA	NA	NA	NA	0.37 U	0.35 U	0.37 U	0.37 U	0.35 U	0.39 U	0.40 U	0.36 U	0.38 U	0.39 U	0.40 U	0.41 U	0.39 U	0.40 U	0.35 U	0.35 U
2,4-Dinitrophenol	NA	NA	NA	NA	NA	1.1 U	1.0 U	1.1 U	1.1 U	1.0 U	1.2 U	1.2 U	1.1 U	1.2 U	1.2 U	1.2 U	1.3 U	1.2 U	1.2 U	1.1 U	1.1 U
2,4-Dinitrotoluene	NA	NA	NA	NA	NA	0.075 U	0.070 U	0.076 U	0.075 U	0.070 U	0.079 U	0.081 U	0.074 U	0.077 U	0.078 U	0.082 U	0.084 U	0.078 U	0.082 U	0.071 U	0.072 U
2,6-Dinitrotoluene	NA	NA	NA	NA	NA	0.075 U	0.070 U	0.076 U	0.075 U	0.070 U	0.079 U	0.081 U	0.074 U	0.077 U	0.078 U	0.082 U	0.084 U	0.078 U	0.082 U	0.071 U	0.072 U
2-Chloronaphthalene	NA	NA	NA	NA	NA	0.37 U	0.35 U	0.37 U	0.37 U	0.35 U	0.39 U	0.40 U	0.36 U	0.38 U	0.39 U	0.40 U	0.41 U	0.39 U	0.40 U	0.35 U	0.35 U
2-Chlorophenol	NA	NA	NA	NA	NA	0.37 U	0.35 U	0.37 U	0.37 U	0.35 U	0.39 U	0.40 U	0.36 U	0.38 U	0.39 U	0.40 U	0.41 U	0.39 U	0.40 U	0.35 U	0.35 U
2-Methylnaphthalene	NA	NA	NA	NA	NA	0.37 U	0.35 U	0.37 U	0.37 U	0.35 U	0.39 U	0.40 U	0.36 U	0.38 U	0.39 U	0.40 U	0.41 U	0.39 U	0.40 U	0.35 U	0.35 U
2-Methylphenol	0.33	100	100	500	0.33	0.37 U	0.35 U	0.37 U	0.37 U	0.35 U	0.39 U	0.40 U	0.36 U	0.38 U	0.39 U	0.40 U	0.41 U	0.39 U	0.40 U	0.35 U	0.35 U
2-Nitroaniline	NA	NA	NA	NA	NA	0.75 U	0.70 U	0.76 U	0.75 U	0.70 U	0.79 U	0.81 U	0.74 U	0.77 U	0.78 U	0.82 U	0.84 U	0.78 U	0.82 U	0.71 U	0.72 U
2-Nitrophenol	NA	NA	NA	NA	NA	0.37 U	0.35 U	0.37 U	0.37 U	0.35 U	0.39 U	0.40 U	0.36 U	0.38 U	0.39 U	0.40 U	0.41 U	0.39 U	0.40 U	0.35 U	0.35 U
3,3'-Dichlorobenzidine	NA	NA	NA	NA	NA	0.75 U	0.70 U	0.76 U	0.75 U	0.70 U	0.79 U	0.81 U	0.74 U	0.77 U	0.78 U	0.82 U	0.84 U	0.78 U	0.82 U	0.71 U	0.72 U
3-Nitroaniline	NA	NA	NA	NA	NA	0.75 U	0.70 U	0.76 U	0.75 U	0.70 U	0.79 U	0.81 U	0.74 U	0.77 U	0.78 U	0.82 U	0.84 U	0.78 U	0.82 U	0.71 U	0.72 U
4,6-Dinitro-2-methylphenol	NA	NA	NA	NA	NA	1.1 U	1.0 U	1.1 U	1.1 U	1.0 U	1.2 U	1.2 U	1.1 U	1.2 U	1.2 U	1.2 U	1.3 U	1.2 U	1.2 U	1.1 U	1.1 U
4-Bromophenyl phenyl ether	NA	NA	NA	NA	NA	0.37 U	0.35 U	0.37 U	0.37 U	0.35 U	0.39 U	0.40 U	0.36 U	0.38 U	0.39 U	0.40 U	0.41 U	0.39 U	0.40 U	0.35 U	0.35 U
4-Chloro-3-methylphenol	NA	NA	NA	NA	NA	0.37 U	0.35 U	0.37 U	0.37 U	0.35 U	0.39 U	0.40 U	0.36 U	0.38 U	0.39 U	0.40 U	0.41 U	0.39 U	0.40 U	0.35 U	0.35 U
4-Chloroaniline	NA	NA	NA	NA	NA	0.37 U	0.35 U	0.37 U	0.37 U	0.35 U	0.39 U	0.40 U	0.36 U	0.38 U	0.39 U	0.40 U	0.41 U	0.39 U	0.40 U	0.35 U	0.35 U
4-Chlorophenyl phenyl ether	NA	NA	NA	NA	NA	0.37 U	0.35 U	0.37 U	0.37 U	0.35 U	0.39 U	0.40 U	0.36 U	0.38 U	0.39 U	0.40 U	0.41 U	0.39 U	0.40 U	0.35 U	0.35 U
4-Methylphenol	0.33	34	100	500	0.33	0.37 U	0.35 U	0.37 U	0.37 U	0.35 U	0.39 U	0.40 U	0.36 U	0.38 U	0.39 U	0.40 U	0.41 U	0.39 U	0.40 U	0.35 U	0.35 U
4-Nitroaniline	NA	NA	NA	NA	NA	0.75 U	0.70 U	0.76 U	0.75 U	0.70 U	0.79 U	0.81 U	0.74 U	0.77 U	0.78 U	0.82 U	0.84 U	0.78 U	0.82 U	0.71 U	0.72 U
4-Nitrophenol	NA	NA	NA	NA	NA	1.1 U	1.0 U	1.1 U	1.1 U	1.0 U	1.2 U	1.2 U	1.1 U	1.2 U	1.2 U	1.2 U	1.3 U	1.2 U	1.2 U	1.1 U	1.1 U
Acenaphthene	20	100	100	500	98	0.37 U	0.35 U	0.062 J	0.37 U	0.35 U	0.39 U	0.40 U	0.36 U	0.38 U	0.39 U	0.40 U	0.41 U	0.39 U	0.40 U	0.35 U	0.35 U
Acenaphthylene	100	100	100	500	107	0.37 U	0.35 U	0.37 U	0.37 U	0.35 U	0.39 U	0.40 U	0.36 U	0.38 U	0.39 U	0.40 U	0.41 U	0.39 U	0.40 U	0.35 U	0.35 U
Acetophenone	NA	NA	NA	NA	NA	0.37 U	0.35 U	0.37 U	0.37 U	0.35 U	0.39 U	0.40 U	0.36 U	0.38 U	0.39 U	0.40 U	0.41 U	0.39 U	0.40 U	0.35 U	0.35 U
Anthracene	100	100	100	500	1,000	0.37 U	0.051 J	0.17 J	0.37 U	0.35 U	0.39 U	0.40 U	0.36 U	0.38 U	0.39 U	0.40 U	0.41 U	0.39 U	0.40 U	0.35 U	0.35 U
Atrazine	NA	NA	NA	NA	NA	0.37 U	0.35 U	0.37 U	0.37 U	0.35 U	0.39 U	0.40 U	0.36 U	0.38 U	0.39 U	0.40 U	0.41 U	0.39 U	0.40 U	0.35 U	0.35 U
Benzaldehyde	NA	NA	NA	NA	NA	0.37 U	0.35 U	0.37 U	0.37 U	0.35 U	0.39 U	0.40 U	0.36 U	0.38 U	0.39 U	0.40 U	0.41 U	0.39 U	0.40 U	0.35 U	0.35 U
Benzo[a]anthracene	1	1	1	5.6	1	0.033 J	0.035 U	0.79	0.037 U	0.035 U	0.039 U	0.040 U	0.036 U	0.038 U	0.039 U	0.040 U	0.041 U	0.039 U	0.040 U	0.035 U	0.035 U
Benzo[a]pyrene	1	1	1	1	22	0.037 U	0.26 J	1.2 J	0.037 U	0.035 U	0.039 U	0.040 U	0.036 U	0.038 U	0.039 U	0.040 U	0.041 U	0.039 U	0.040 U	0.035 U	0.035 U
Benzo[b]fluoranthene	1	1	1	5.6	1.7	0.037 U	0.27	1.2	0.037 U	0.035 U	0.039 U	0.040 U	0.036 U	0.038 U	0.039 U	0.040 U	0.041 U	0.039 U	0.040 U	0.035 U	0.035 U
Benzo[g,h,i]perylene	100	100	100	500	1,000	0.37 U	0.19 J	0.92	0.37 U	0.35 U	0.39 U	0.40 U	0.36 U	0.38 U	0.39 U	0.40 U	0.41 U	0.39 U	0.40 U	0.35 U	0.35 U
Benzo[k]fluoranthene	0.8	1	3.9	56	1.7	0.037 U	0.13 J	0.46 J	0.037 U	0.035 U	0.039 U	0.040 U	0.036 U	0.038 U	0.039 U	0.040 U	0.041 U	0.039 U	0.040 U	0.035 U	0.035 U
Bis(2-chloroethoxy)methane	NA	NA	NA	NA	NA	0.37 U	0.35 U	0.37 U	0.37 U	0.35 U	0.39 U	0.40 U	0.36 U	0.38 U	0.39 U	0.40 U	0.41 U	0.39 U	0.40 U	0.35 U	0.35 U
Bis(2-chloroethyl)ether	NA	NA	NA	NA	NA	0.037 U	0.035 U	0.037 U	0.037 U	0.035 U	0.039 U	0.040 U	0.036 U	0.038 U	0.039 U	0.040 U	0.041 U	0.039 U	0.040 U	0.035 U	0.035 U
Bis(2-ethylhexyl) phthalate	NA	NA	NA	NA	NA	0.37 U	0.35 U	0.37 U	0.37 U	0.35 U	0.39 U	0.40 U	0.36 U	0.38 U	0.39 U	0.40 U	0.41 U	0.39 U	0.40 U	0.35 U	0.35 U
Butyl benzyl phthalate	NA	NA	NA	NA	NA	0.37 U	0.35 U	0.37 U	0.37 U	0.35 U	0.39 U	0.40 U	0.36 U	0.38 U	0.39 U	0.40 U	0.41 U	0.			

Table 6-53
Preliminary TAL Metals Soil Analytical Data
Former Wedge Building - Post-excavation Data

TAL Metals (mg/kg)	NYSDEC SCOs					Post-excavation End-point Soil Analytical Data									
						Former Chemical UST Area						East End of Area			
						Bottom Samples						Bottom Samples			
						W-EP#1(6')	W-EP#2	W-EP#3	W-EP#4	W-EP#5	W-EP#6	W-EP#7	W-EP#8	W-EP#9	W-EP#10
	Unrestricted	Residential	Restricted Residential	Commercial	Protection of Groundwater	(6')	(6')	(10')	(10')	(10')	(8')	(2')	(2')	(3')	(3')
Aluminum	NA	NA	NA	NA	NA	1,140	2,420	2,840	5,660	2,650	5,490	8,420	11,600	9,040	10,600
Antimony	NA	NA	NA	NA	NA	3.2 U	3.8 U	3.9 U	3.3 U	3.6 U	3.7 U	0.92 J	3.6 U	3.6 U	4.2 U
Arsenic	13	16	16	16	16	1.7 J	2.1 J	1.0 J	3.8	1.3 J	1.8 J	5.6	4.2	5.6	4.5
Barium	350	350	400	400	820	42.1	15.8 J	12.0 J	37.9	19.5 J	27.0 J	191	49.1	109	271
Beryllium	7.2	14	72	590	47	0.32 U	0.17 J	0.39 U	0.20 J	0.36 U	0.19 J	0.24 J	0.31 J	0.30 J	0.38 J
Cadmium	2.5	2.5	4.3	9.3	7.5	0.64 U	0.76 U	0.78 U	0.66 U	0.72 U	0.73 U	0.67 U	0.73 U	0.73 U	0.84 U
Calcium	NA	NA	NA	NA	NA	173 J	220 J	221 J	416 J	461 J	492 J	3,530	970	1,410	4,540
Chromium ¹	30	36	180	1,500	NS	3.8	5.5	7.2	15.0	7.7	12.5	16.3	18.9	16.7	16.2
Cobalt	NA	NA	NA	NA	NA	1.6 J	8.8 J	3.3 J	5.1 J	2.8 J	5.3 J	5.9 J	6.9 J	5.4 J	6.6 J
Copper	50	270	270	270	1,720	2.2 J	7.8	5.9	10.5	4.6	9.0	15.5	11.3	20.6	13.3
Iron	NA	NA	NA	NA	NA	3,510	5,300	4,040	9,460	4,530	6,350	18,500	19,900	15,800	16,200
Lead	63	400	400	1,000	450	1.6 U	3.3	5.1	9.1	7.9	10	207	32.1	81.8	112
Magnesium	NA	NA	NA	NA	NA	166 J	426 J	554 J	1,510	757 J	1,210	2,380	2,520	2,110	3,170
Manganese	1,600	2,000	2,000	10,000	2,000	4,250	639	62.4	389	137	192	246	259	291	243
Nickel	30	140	310	310	130	6.1 J	4.2 J	4.7 J	9.3	5.4 J	9.0	10.4	11.9	10.8	12.0
Potassium	NA	NA	NA	NA	NA	121 J	172 J	292 J	922	268 J	661 J	679 J	710 J	662 J	700 J
Selenium	3.9	36	180	1,500	4	3.2 U	3.8 U	3.9 U	3.3 U	3.6 U	3.7 U	3.4 U	3.6 U	3.6 U	4.2 U
Silver	2	36	180	1,500	8.3	1.6 U	1.5 J	2.0 U	1.6 U	0.27 J	0.28 J	1.7 U	1.8 U	1.8 U	2.1 U
Sodium	NA	NA	NA	NA	NA	796 U	955 U	975 U	822 U	901 U	916 U	79.4 J	88.9 J	908 U	221 J
Thallium	NA	NA	NA	NA	NA	4.7 J	0.94 J	3.9 U	3.3 U	3.6 U	3.7 U	3.4 U	3.6 U	3.6 U	4.2 U
Vanadium	NA	NA	NA	NA	NA	2.3 J	8.2 J	10.2	19.0	7.3 J	14.9	21.5	26.3	20.6	23.5
Zinc	109	2,200	10,000	10,000	2,480	5.2	6.9	13.7	27.3	15.1	30.4	120	42.8	112	188
Mercury	0.18	0.81	0.81	2.8	0.73	0.017 U	0.026	0.017 U	0.017 U	0.017 U	0.031	0.052	0.024	0.041	0.085

TAL Metals (mg/kg)	NYSDEC SCOs					Post-excavation End-point Soil Analytical Data							
						East End of Area				Former Chemical UST Area			
						Bottom Samples				Sidwall Samples		Bottom Samples	
	Unrestricted	Residential	Restricted Residential	Commercial	Protection of Groundwater	W-EP#12	W-EP#13	W-EP#14	W-EP#15	W-EP#16	W-EP#17	W-EP#26	W-EP#27
						(5')	(5')	(5')	(5')	(3')	(3')	(6')	(6')
Aluminum	NA	NA	NA	NA	NA	6,410	6,220	7,030	15,800	2,570	4,270	899	1,750
Antimony	NA	NA	NA	NA	NA	3.7 U	3.3 U	3.7 U	3.3 U	3.0 U	3.6 U	3.3 U	3.6 U
Arsenic	13	16	16	16	16	1.7 J	1.8 J	2.7 J	3.0	1.2 J	2.4 J	1.1 J	0.63 J
Barium	350	350	400	400	820	31.4 J	30.5 J	44.6	28.4 J	9.4 J	16.5 J	62.8	9.5 J
Beryllium	7.2	14	72	590	47	0.46	0.42	0.31 J	0.34	0.19 J	0.28 J	0.33 U	0.36 U
Cadmium	2.5	2.5	4.3	9.3	7.5	0.74 U	0.66 U	0.74 U	0.66 U	0.60 U	0.72 U	0.66 U	0.72 U
Calcium	NA	NA	NA	NA	NA	499 J	1,160	920 J	3,000	296 J	381 J	155 J	124 J
Chromium ¹	30	36	180	1,500	NS	10.9	17.8	13.9	69.1	5.7	7.7	2.3	3.0
Cobalt	NA	NA	NA	NA	NA	8.1 J	7.0 J	4.4 J	10.6	2.1 J	2.9 J	1.9 J	0.93 J
Copper	50	270	270	270	1,720	8.0	12.1	26.4	14.1	2.9 J	4.9	1.8 J	2.8 J
Iron	NA	NA	NA	NA	NA	12,600	15,900	13,100	20,800	6,780	11,400	2,020	2,330
Lead	63	400	400	1,000	450	5.2	6.2	32.1	4.9	2.7	3.5	1.2 J	4.8
Magnesium	NA	NA	NA	NA	NA	1,590	2,840	2,010	10,400	548 J	1,120	130 J	274 J
Manganese	1,600	2,000	2,000	10,000	2,000	605	545	317	376	91.3	110	3,410	118
Nickel	30	140	310	310	130	11.7	14.7	8.1	33.0	3.0 J	4.7 J	4.0 J	2.0 J
Potassium	NA	NA	NA	NA	NA	629 J	834	768 J	684 J	209 J	431 J	82.0 J	152 J
Selenium	3.9	36	180	1,500	4	3.7 U	3.3 U	3.7 U	3.3 U	3.0 U	3.6 U	1.7 J	3.6 U
Silver	2	36	180	1,500	8.3	1.8 U	1.7 U	1.9 U	1.7 U	1.5 U	1.8 U	0.92 J	1.8 U
Sodium	NA	NA	NA	NA	NA	924 U	826 U	927 U	830 U	754 U	894 U	827 U	902 U
Thallium	NA	NA	NA	NA	NA	3.7 U	3.3 U	3.7 U	3.3 U	3.0 U	3.6 U	3.1 J	3.6 U
Vanadium	NA	NA	NA	NA	NA	16.3	22.5	16.7	33.8	6.6 J	11.5	1.8 J	4.4 J
Zinc	109	2,200	10,000	10,000	2,480	29.0	22.7	34.9	46.2	8.8	13.8	3.7 J	7.4
Mercury	0.18	0.81	0.81	2.8	0.73	0.018 U	0.017 U	0.027	0.019 U	0.018 U	0.019 U	0.018 U	0.018 U

Notes
J : Sample result is greater than the MDL but below the CRDL
U : Indicates analyzed for but not detected.
¹ Trivalent chromium SCOs utilized.
Highlighted / bolded indicates analyte exceeded above its respective NYSDEC Unrestricted SCO.
Green / italicized value indictes analyte exceeded its repsective unrestricted SCO but was below its respective Residential / Protection of GW SCO, whichever is lower.
NA - Not Available
NS - No Standard Available
Highlighted / bolded indicates analyte exceeded above its respective NYSDEC Unrestricted SCO.
Green / italicized value indicates analyte exceeded its respective unrestricted SCO but was below its respective Residential / Protection of GW SCO, whichever is lower.
Blue / italicized value indicates analyte exceeded its respective Residential SCO and / or Protection of Groundwater SCO but was below its Restricted Residential SCO.
Pink / italicized value indicates analyte exceeded its respective Residential SCO and / or Protection of Groundwater SCO but was below its Commercial SCO.



Table 6-54
TAL Metals Soil Analytical Data
C4-2 Original Sample Location - Post Excavation Data

TAL Metals (mg/kg)	NYSDEC Unrestricted SCO	Post-excavation End-point Soil Analytical Data				
		C4-2 Original Sample Location				
		Side-wall Samples				Bottom Sample
		C4-EP#2	C4-EP#3	C4-EP#4	C4-EP#5	C4-EP#1
		(1')	(1')	(1')	(1')	(3')
Aluminum	NA	9,670	7,930	8,700	4,280	8,470
Antimony	NA	3.8 U	3.7 U	3.6 U	3.6 U	3.7 U
Arsenic	13	1.7 J	1.8 J	1.4 J	1.7 J	1.9 J
Barium	350	51.6	35.0 J	37.9	20.0 J	39.3
Beryllium	7.2	0.35 J	0.25 J	0.25 J	0.14 J	0.29 J
Cadmium	2.5	0.75 U	0.75 U	0.72 U	0.72 U	0.74 U
Calcium	NA	1,510	1,490	708 J	9,390	1,170
Chromium ¹	30	17.8	14.2	15.0	8.9	14.9
Cobalt	NA	4.5 J	8.4 J	3.1 J	1.8 J	3.2 J
Copper	50	12.5	9.3	7.7	4.4 J	11.0
Iron	NA	8,570	8,090	7,760	5,690	7,970
Lead	63	7.3	6.2	5.7	3.9	5.7
Magnesium	NA	2,310	2,050	2,390	1,300	2,260
Manganese	1,600	111	124	73.6	86.8	85.4
Nickel	30	10.8	8.7	9.1	4.6 J	9.6
Potassium	NA	541 J	603 J	626 J	340 J	706 J
Selenium	3.9	3.8 U	3.7 U	3.6 U	3.6 U	1.0 J
Silver	2	1.9 U	1.9 U	1.8 U	1.8 U	1.9 U
Sodium	NA	81.2 J	932 U	904 U	84.7 J	927 U
Thallium	NA	3.8 U	3.7 U	3.6 U	3.6 U	3.7 U
Vanadium	NA	20.0	17.6	16.1	11.4	16.1
Zinc	109	29.9	25.2	27.7	12.9	28.7
Mercury	0.18	0.020 U	0.020 U	0.021 U	0.018 U	0.019 U

Notes

J : Sample result is greater than the MDL but below the CRDL

U : Indicates analyzed for but not detected.

¹ Trivalent chromium SCOs utilized.

Highlighted / bolded indicates analyte exceeded above its respective NYSDEC Unrestricted SCO.

NA - Not Available



Table 6-55
North Alleyway Area
Confirmatory, Port-Excavation TCL VOC Soil Analytical Data

TCL VOCs (mg/kg)	NYSDEC Unrestricted SCO	North Alleyway Area - Confirmatory Post-Excavation Soil Samples														
		Sidewall Soil Samples														
		NA-EP#1 (8')	NA-EP#2 (8')	NA-EP#5 (8')	NA-EP#6 (8')	NA-EP#8 (8')	NA-EP#10 (8')	NA-EP#12 (8')	NA-EP#13 (12')	NA-EP#16 (4')	NA-EP#17 (8')	NA-EP#18 (4')	NA-EP#19 (8')	NA-EP#22 (4')	NA-EP#23 (8')	NA-EP#24 (8')
1,1,1-Trichloroethane	0.68	0.00092 U	0.00091 U	0.00099 U	0.00095 U	0.00099 U	0.0010 U	0.0011 U	0.00090 U	0.0011 U	0.0012 U	0.00095 U	0.0011 U	0.00098 U	0.0010 U	0.0010 U
1,1,2,2-Tetrachloroethane	NA	0.00092 U	0.00091 U	0.00099 U	0.00095 U	0.00099 U	0.0010 U	0.0011 U	0.00090 U	0.0011 U	0.0012 U	0.00095 U	0.0011 U	0.00098 U	0.0010 U	0.0010 U
1,1,2-Trichloroethane	NA	0.00092 U	0.00091 U	0.00099 U	0.00095 U	0.00099 U	0.0010 U	0.0011 U	0.00090 U	0.0011 U	0.0012 U	0.00095 U	0.0011 U	0.00098 U	0.0010 U	0.0010 U
1,1-Dichloroethane	0.27	0.00092 U	0.00091 U	0.00099 U	0.00095 U	0.00099 U	0.0010 U	0.0011 U	0.00090 U	0.0011 U	0.0012 U	0.00095 U	0.0011 U	0.00098 U	0.0010 U	0.0010 U
1,1-Dichloroethene	0.33	0.00092 U	0.00091 U	0.00099 U	0.00095 U	0.00099 U	0.0010 U	0.0011 U	0.00090 U	0.0011 U	0.0012 U	0.00095 U	0.0011 U	0.00098 U	0.0010 U	0.0010 U
1,2,3-Trichlorobenzene	NA	0.00092 U	0.00091 U	0.00099 U	0.00095 U	0.00099 U	0.0010 U	0.0011 U	0.00090 U	0.0011 U	0.0012 U	0.00095 U	0.0011 U	0.00098 U	0.0010 U	0.0010 U
1,2,4-Trichlorobenzene	NA	0.00092 U	0.00091 U	0.00099 U	0.00095 U	0.00099 U	0.0010 U	0.0011 U	0.00090 U	0.0011 U	0.0012 U	0.00095 U	0.0011 U	0.00098 U	0.0010 U	0.0010 U
1,2-Dibromo-3-Chloropropane	NA	0.00092 U	0.00091 U	0.00099 U	0.00095 U	0.00099 U	0.0010 U	0.0011 U	0.00090 U	0.0011 U	0.0012 U	0.00095 U	0.0011 U	0.00098 U	0.0010 U	0.0010 U
1,2-Dibromoethane	NA	0.00092 U	0.00091 U	0.00099 U	0.00095 U	0.00099 U	0.0010 U	0.0011 U	0.00090 U	0.0011 U	0.0012 U	0.00095 U	0.0011 U	0.00098 U	0.0010 U	0.0010 U
1,2-Dichlorobenzene	1.1	0.00092 U	0.00091 U	0.00099 U	0.00095 U	0.00099 U	0.0010 U	0.0011 U	0.00090 U	0.0011 U	0.0012 U	0.00095 U	0.0011 U	0.00098 U	0.0010 U	0.0010 U
1,2-Dichloroethane	0.02	0.00092 U	0.00091 U	0.00099 U	0.00095 U	0.00099 U	0.0010 U	0.0011 U	0.00090 U	0.0011 U	0.0012 U	0.00095 U	0.0011 U	0.00098 U	0.0010 U	0.0010 U
1,2-Dichloropropane	NA	0.00092 U	0.00091 U	0.00099 U	0.00095 U	0.00099 U	0.0010 U	0.0011 U	0.00090 U	0.0011 U	0.0012 U	0.00095 U	0.0011 U	0.00098 U	0.0010 U	0.0010 U
1,3-Dichlorobenzene	2.4	0.00092 U	0.00091 U	0.00099 U	0.00095 U	0.00099 U	0.0010 U	0.0011 U	0.00090 U	0.0011 U	0.0012 U	0.00095 U	0.0011 U	0.00098 U	0.0010 U	0.0010 U
1,4-Dichlorobenzene	1.8	0.00092 U	0.00091 U	0.00099 U	0.00095 U	0.00099 U	0.0010 U	0.0011 U	0.00090 U	0.0011 U	0.0012 U	0.00095 U	0.0011 U	0.00098 U	0.0010 U	0.0010 U
1,4-Dioxane	0.1	0.018 U	0.018 U	0.020 U	0.019 U	0.020 U	0.020 U	0.021 U	0.018 U	0.021 U	0.023 U	0.019 U	0.022 U	0.020 U	0.020 U	0.021 U
2-Butanone (MEK)	0.12	0.0046 U	0.0046 U	0.0049 U	0.0048 U	0.0050 U	0.0050 U	0.0053 U	0.0045 U	0.0053 U	0.0058 U	0.0048 U	0.0054 U	0.0049 U	0.0050 U	0.0052 U
2-Hexanone	NA	0.0046 U	0.0046 U	0.0049 U	0.0048 U	0.0050 U	0.0050 U	0.0053 U	0.0045 U	0.0053 U	0.0058 U	0.0048 U	0.0054 U	0.0049 U	0.0050 U	0.0052 U
4-Methyl-2-pentanone	NA	0.0046 U	0.0046 U	0.0049 U	0.0048 U	0.0050 U	0.0050 U	0.0053 U	0.0045 U	0.0053 U	0.0058 U	0.0048 U	0.0054 U	0.0049 U	0.0050 U	0.0052 U
Acetone	0.05	0.0046 U	0.0046 U	0.0049 U	0.0048 U	0.0050 U	0.0050 U	0.0053 U	0.0045 U	0.0074 B	0.0058 U	0.0048 U	0.012 B	0.0049 U	0.011 B	0.010 B
Benzene	0.06	0.00092 U	0.00091 U	0.00099 U	0.00095 U	0.00099 U	0.0010 U	0.0011 U	0.00040 J	0.0011 U	0.0012 U	0.00095 U	0.0011 U	0.00098 U	0.0010 U	0.0010 U
Bromochloromethane	NA	0.00092 U	0.00091 U	0.00099 U	0.00095 U	0.00099 U	0.0010 U	0.0011 U	0.00090 U	0.0011 U	0.0012 U	0.00095 U	0.0011 U	0.00098 U	0.0010 U	0.0010 U
Bromodichloromethane	NA	0.00092 U	0.00091 U	0.00099 U	0.00095 U	0.00099 U	0.0010 U	0.0011 U	0.00090 U	0.0011 U	0.0012 U	0.00095 U	0.0011 U	0.00098 U	0.0010 U	0.0010 U
Bromoform	NA	0.00092 U	0.00091 U	0.00099 U	0.00095 U	0.00099 U	0.0010 U	0.0011 U	0.00090 U	0.0011 U	0.0012 U	0.00095 U	0.0011 U	0.00098 U	0.0010 U	0.0010 U
Bromomethane	NA	0.00092 U	0.00091 U	0.00099 U	0.00095 U	0.00099 U	0.0010 U	0.0011 U	0.00090 U	0.0011 U	0.0012 U	0.00095 U	0.0011 U	0.00098 U	0.0010 U	0.0010 U
Carbon disulfide	NA	0.00092 U	0.00091 U	0.00099 U	0.00095 U	0.00021 J	0.0010 U	0.0011 U	0.00090 U	0.0011 U	0.0012 U	0.00095 U	0.0011 U	0.00098 U	0.0010 U	0.0010 U
Carbon tetrachloride	0.76	0.00092 U	0.00091 U	0.00099 U	0.00095 U	0.00099 U	0.0010 U	0.0011 U	0.00090 U	0.0011 U	0.0012 U	0.00095 U	0.0011 U	0.00098 U	0.0010 U	0.0010 U
Chlorobenzene	1.1	0.00092 U	0.00091 U	0.00099 U	0.00095 U	0.00099 U	0.0010 U	0.0011 U	0.00090 U	0.0011 U	0.0012 U	0.00095 U	0.0011 U	0.00098 U	0.0010 U	0.0010 U
Chloroethane	NA	0.00092 U	0.00091 U	0.00099 U	0.00095 U	0.00099 U	0.0010 U	0.0011 U	0.00090 U	0.0011 U	0.0012 U	0.00095 U	0.0011 U	0.00098 U	0.0010 U	0.0010 U
Chloroform	0.37	0.00092 U	0.00091 U	0.00099 U	0.00095 U	0.00099 U	0.0010 U	0.0011 U	0.00090 U	0.0011 U	0.0012 U	0.00095 U	0.0011 U	0.00098 U	0.0010 U	0.0010 U
Chloromethane	NA	0.00092 U	0.00091 U	0.00099 U	0.00095 U	0.00099 U	0.0010 U	0.0011 U	0.00090 U	0.0011 U	0.0012 U	0.00095 U	0.0011 U	0.00098 U	0.0010 U	0.0010 U
cis-1,2-Dichloroethene	0.25	0.00092 U	0.00091 U	0.00099 U	0.00095 U	0.00099 U	0.0010 U	0.0011 U	0.00090 U	0.0011 U	0.0012 U	0.00095 U	0.0011 U	0.00098 U	0.0010 U	0.0010 U
cis-1,3-Dichloropropene	NA	0.00092 U	0.00091 U	0.00099 U	0.00095 U	0.00099 U	0.0010 U	0.0011 U	0.00090 U	0.0011 U	0.0012 U	0.00095 U	0.0011 U	0.00098 U	0.0010 U	0.0010 U
Cyclohexane	NA	0.00092 U	0.00091 U	0.00099 U	0.00095 U	0.00099 U	0.0010 U	0.0011 U	0.00090 U	0.0011 U	0.0012 U	0.00095 U	0.0011 U	0.00098 U	0.0010 U	0.0010 U
Dibromochloromethane	NA	0.00092 U	0.00091 U	0.00099 U	0.00095 U	0.00099 U	0.0010 U	0.0011 U	0.00090 U	0.0011 U	0.0012 U	0.00095 U	0.0011 U	0.00098 U	0.0010 U	0.0010 U
Dichlorodifluoromethane	NA	0.00092 U	0.00091 U	0.00099 U	0.00095 U	0.00099 U	0.0010 U	0.0011 U	0.00090 U	0.0011 U	0.0012 U	0.00095 U	0.0011 U	0.00098 U	0.0010 U	0.0010 U
Ethylbenzene	1	0.00092 U	0.00091 U	0.00099 U	0.00095 U	0.00099 U	0.0010 U	0.0011 U	0.00090 U	0.0011 U	0.0012 U	0.00095 U	0.0011 U	0.00098 U	0.0010 U	0.0051
Freon 113	NA	0.00092 U	0.00091 U	0.00099 U	0.00095 U	0.00099 U	0.0010 U	0.0011 U	0.00090 U	0.0011 U	0.0012 U	0.00095 U	0.0011 U	0.00098 U	0.0010 U	0.0010 U
Isopropylbenzene	NA	0.00092 U	0.00091 U	0.00099 U	0.00095 U	0.00099 U	0.0010 U	0.0011 U	0.00012 J	0.0011 U	0.0012 U	0.00095 U	0.0011 U	0.00098 U	0.0010 U	0.00027 J
m&p-Xylene	0.26	0.0018 U	0.0018 U	0.0020 U	0.0019 U	0.0020 U	0.0020 U	0.0021 U	0.0018 U	0.0021 U	0.0023 U	0.0019 U	0.0022 U	0.0020 U	0.0020 U	0.013
Methyl acetate	NA	0.00092 U	0.00091 U	0.00099 U	0.00095 U	0.00099 U	0.0010 U	0.0011 U	0.00090 U	0.0011 U	0.0012 U	0.00095 U	0.0011 U	0.00098 U	0.0010 U	0.0010 U
Methylcyclohexane	NA	0.00092 U	0.00091 U	0.00099 U	0.00095 U	0.00099 U	0.0010 U	0.0011 U	0.00090 U	0.0011 U	0.0012 U	0.00095 U	0.0011 U	0.00098 U	0.0010 U	0.0010 U
Methylene Chloride	0.05	0.00092 U	0.00084 J	0.00099 U	0.00045 J	0.00077 J	0.0010	0.0016	0.0013	0.00088 J	0.0013	0.00099 B	0.0014	0.0011 B	0.0011 B	0.0017 B
MTBE	0.93	0.00092 U	0.00091 U	0.00099 U	0.00095 U	0.00099 U	0.0010 U	0.0011 U	0.00090 U	0.0011 U	0.0012 U	0.00095 U	0.0011 U	0.00098 U	0.0010 U	0.0010 U
Naphthalene	12	0.00092 U	0.00022 J	0.00099 U	0.00095 U	0.00099 U	0.0010 U	0.0011 U	0.00031 J	0.0011 U	0.0012 U	0.00095 U	0.0011 U	0.00098 U	0.0010 U	0.0010 U
o-Xylene	0.26	0.00092 U	0.00091 U	0.00099 U	0.00095 U	0.00099 U	0.0010 U	0.0011 U	0.00090 U	0.0011 U	0.0012 U	0.00095 U	0.0011 U	0.00098 U	0.0010 U	0.0030
Styrene	NA	0.00092 U	0.00091 U	0.00099 U	0.00095 U	0.00099 U	0.0010 U	0.0011 U	0.00090 U	0.0011 U	0.0012 U	0.00095 U	0.0011 U	0.00098 U	0.0010 U	0.0010 U
Tetrachloroethene	1.3	0.00092 U	0.00091 U	0.00099 U	0.00095 U	0.00099 U	0.0010 U	0.0011 U	0.00090 U	0.00048 J	0.0012 U	0.00036 J	0.0011 U	0.00098 U	0.0010 U	0.0010 U
Toluene	0.7	0.00092 U	0.00091 U	0.00099 U	0.00095 U	0.00099 U	0.0010 U	0.0011 U	0.00090 U	0.0011 U	0.0012 U	0.00095 U	0.0011 U	0.00098 U	0.0010 U	0.0010 U
trans-1,2-Dichloroethene	0.19	0.00092 U	0.00091 U	0.00099 U	0.00095 U	0.00099 U	0.0010 U	0.0011 U	0.00090 U	0.0011 U	0.0012 U	0.00095 U	0.0011 U	0.00098 U	0.0010 U	0.0010 U
trans-1,3-Dichloropropene	NA	0.00092 U	0.00091 U	0.00099 U	0.00095 U	0.00099 U	0.0010 U	0.0011 U	0.00090 U	0.0011 U	0.0012 U	0.00095 U	0.0011 U	0.00098 U	0.0010 U	0.0010 U
Trichloroethene	0.47	0.00092 U	0.00091 U	0.00099 U	0.00095 U	0.00099 U	0.0010 U	0.0011 U	0.00090 U	0.0011 U	0.0012 U	0.00095 U	0.0011 U	0.00098 U	0.0010 U	0.0010 U
Trichlorofluoromethane	NA	0.00092 U	0.00091 U	0.00099 U	0.00095 U	0.00099 U	0.0010 U	0.0011 U	0.00090 U	0.0011 U	0.0012 U	0.00095 U	0.0011 U	0.00098 U	0.0010 U	0.0010 U
Vinyl chloride	0.02	0.00092 U	0.00091 U	0.00099 U	0.00095 U	0.00099 U	0.0010 U	0.0011 U	0.00090 U	0.0011 U	0.0012 U	0.00095 U	0.0011 U	0.00098 U	0.0010 U	0.0010 U
Xylenes, Total	0.26	0.0028 U	0.0027 U	0.0030 U	0.0029 U	0.0030 U	0.0030 U	0.0032 U	0.0027 U	0.0032 U	0.0035 U	0.0029 U	0.0032 U	0.0030 U	0.0030 U	0.016
Total VOC TICs	NA	ND	ND	ND	ND	0.091	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes
ND: TIC not detected
B : The analyte was found in an associated blank, as well as in the sample.
J : Indicates an estimated value.
J B : Indicates an estimated value.
U : Analyzed for but not detected.



Table 6-55
North Alleyway Area
Confirmatory, Port-Excavation TCL VOC Soil Analytical Data

TCL VOCs (mg/kg)	NYSDEC Unrestricted SCO	North Alleyway Area - Confirmatory Post-Excavation Soil Samples														
		Sidewall Soil Samples														
		NA-EP#26 (8')	NA-EP#27 (8')	NA-EP#28 (8')	NA-EP#29 (8')	NA-EP#38 (12')	NA-EP#40 (12')	NA-EP#41 (12')	NA-EP#45 (12')	NA-EP#47 (12')	NA-EP#49 (12')	NA-EP#58 (8')	NA-EP#59 (8')	NA-EP#61 (8')	NA-EP#62 (8')	NA-EP#63 (8')
1,1,1-Trichloroethane	0.68	0.00036 J	0.0011 U	0.00091 U	0.00087 U	0.017	0.0015	0.00097	0.00087 U	0.0010 U	0.0012 U	0.00014 J	0.0011 U	0.0010 U	0.00094 U	0.0011 U
1,1,2,2-Tetrachloroethane	NA	0.0012 U	0.0011 U	0.00091 U	0.00087 U	0.0010 U	0.0014 U	0.00093 U	0.00087 U	0.0010 U	0.0012 U	0.00098 U	0.0011 U	0.0010 U	0.00094 U	0.0011 U
1,1,2-Trichloroethane	NA	0.0012 U	0.0011 U	0.00091 U	0.00087 U	0.0010 U	0.0014 U	0.00093 U	0.00087 U	0.0010 U	0.0012 U	0.00098 U	0.0011 U	0.0010 U	0.00094 U	0.0011 U
1,1-Dichloroethane	0.27	0.0015	0.0011 U	0.00091 U	0.00087 U	0.00027 J	0.0014 U	0.00093 U	0.00087 U	0.0010 U	0.0012 U	0.00098 U	0.0011 U	0.0010 U	0.00094 U	0.0011 U
1,1-Dichloroethene	0.33	0.0012 U	0.0011 U	0.00091 U	0.00087 U	0.0010 U	0.0014 U	0.00093 U	0.00087 U	0.0010 U	0.0012 U	0.00098 U	0.0011 U	0.0010 U	0.00094 U	0.0011 U
1,2,3-Trichlorobenzene	NA	0.0012 U	0.0011 U	0.00091 U	0.00087 U	0.0010 U	0.0014 U	0.00093 U	0.00087 U	0.0010 U	0.0012 U	0.00098 U	0.0011 U	0.0010 U	0.00094 U	0.0011 U
1,2,4-Trichlorobenzene	NA	0.0012 U	0.0011 U	0.00091 U	0.00087 U	0.0010 U	0.0014 U	0.00093 U	0.00087 U	0.0010 U	0.0012 U	0.00098 U	0.0011 U	0.0010 U	0.00094 U	0.0011 U
1,2-Dibromo-3-Chloropropane	NA	0.0012 U	0.0011 U	0.00091 U	0.00087 U	0.0010 U	0.0014 U	0.00093 U	0.00087 U	0.0010 U	0.0012 U	0.00098 U	0.0011 U	0.0010 U	0.00094 U	0.0011 U
1,2-Dibromoethane	NA	0.0012 U	0.0011 U	0.00091 U	0.00087 U	0.0010 U	0.0014 U	0.00093 U	0.00087 U	0.0010 U	0.0012 U	0.00098 U	0.0011 U	0.0010 U	0.00094 U	0.0011 U
1,2-Dichlorobenzene	1.1	0.0012 U	0.0011 U	0.00091 U	0.00087 U	0.0010 U	0.0014 U	0.00093 U	0.00087 U	0.0010 U	0.0012 U	0.00098 U	0.0011 U	0.0010 U	0.00094 U	0.0011 U
1,2-Dichloroethane	0.02	0.0012 U	0.0011 U	0.00091 U	0.00087 U	0.0010 U	0.0014 U	0.00093 U	0.00087 U	0.0010 U	0.0012 U	0.00098 U	0.0011 U	0.0010 U	0.00094 U	0.0011 U
1,2-Dichloropropane	NA	0.0012 U	0.0011 U	0.00091 U	0.00087 U	0.0010 U	0.0014 U	0.00093 U	0.00087 U	0.0010 U	0.0012 U	0.00098 U	0.0011 U	0.0010 U	0.00094 U	0.0011 U
1,3-Dichlorobenzene	2.4	0.0012 U	0.0011 U	0.00091 U	0.00087 U	0.0010 U	0.0014 U	0.00093 U	0.00087 U	0.0010 U	0.0012 U	0.00098 U	0.0011 U	0.0010 U	0.00094 U	0.0011 U
1,4-Dichlorobenzene	1.8	0.0012 U	0.0011 U	0.00091 U	0.00087 U	0.0010 U	0.00067 J	0.00093 U	0.00087 U	0.0010 U	0.0012 U	0.00098 U	0.0011 U	0.0010 U	0.00094 U	0.0011 U
1,4-Dioxane	0.1	0.023 U	0.022 U	0.018 U	0.017 U	0.020 U	0.029 U	0.019 U	0.017 U	0.021 U	0.023 U	0.020 U	0.021 U	0.021 U	0.019 U	0.022 U
2-Butanone (MEK)	0.12	0.0058 U	0.0054 U	0.0046 U	0.0044 U	0.0050 U	0.0072 U	0.0046 U	0.0037 J	0.0015 J	0.0025 J	0.0049 U	0.0053 U	0.0052 U	0.0019 J	0.0059
2-Hexanone	NA	0.0058 U	0.0054 U	0.0046 U	0.0044 U	0.0050 U	0.0072 U	0.0046 U	0.0043 U	0.0051 U	0.0058 U	0.0049 U	0.0053 U	0.0052 U	0.0047 U	0.0056 U
4-Methyl-2-pentanone	NA	0.0058 U	0.0054 U	0.0046 U	0.0044 U	0.0050 U	0.0072 U	0.0046 U	0.0043 U	0.0051 U	0.0058 U	0.0049 U	0.0053 U	0.0052 U	0.0047 U	0.0056 U
Acetone	0.05	0.018 B	0.0043 J B	0.013 B	0.011 B	0.012 B	0.018 B	0.015 B	0.025 B	0.012 B	0.014 B	0.012 B	0.014 B	0.011 B	0.019 B	0.037 B
Benzene	0.06	0.0012 U	0.0011 U	0.00091 U	0.00087 U	0.00089 J	0.00048 J	0.00093 U	0.037	0.00075 J	0.0012 U	0.00098 U	0.0011 U	0.0010 U	0.00094 U	0.0011 U
Bromochloromethane	NA	0.0012 U	0.0011 U	0.00091 U	0.00087 U	0.0010 U	0.0014 U	0.00093 U	0.00087 U	0.0010 U	0.0012 U	0.00098 U	0.0011 U	0.0010 U	0.00094 U	0.0011 U
Bromodichloromethane	NA	0.0012 U	0.0011 U	0.00091 U	0.00087 U	0.0010 U	0.0014 U	0.00093 U	0.00087 U	0.0010 U	0.0012 U	0.00098 U	0.0011 U	0.0010 U	0.00094 U	0.0011 U
Bromoform	NA	0.0012 U	0.0011 U	0.00091 U	0.00087 U	0.0010 U	0.0014 U	0.00093 U	0.00087 U	0.0010 U	0.0012 U	0.00098 U	0.0011 U	0.0010 U	0.00094 U	0.0011 U
Bromomethane	NA	0.0012 U	0.0011 U	0.00091 U	0.00087 U	0.0010 U	0.0014 U	0.00093 U	0.00087 U	0.0010 U	0.0012 U	0.00098 U	0.0011 U	0.0010 U	0.00094 U	0.0011 U
Carbon disulfide	NA	0.0012 U	0.0011 U	0.00091 U	0.00087 U	0.0010 U	0.0014 U	0.00093 U	0.00017 J	0.0010 U	0.0012 U	0.00098 U	0.0011 U	0.0010 U	0.00019 J	0.00087 J
Carbon tetrachloride	0.76	0.0012 U	0.0011 U	0.00091 U	0.00087 U	0.0010 U	0.0014 U	0.00093 U	0.00087 U	0.0010 U	0.0012 U	0.00098 U	0.0011 U	0.0010 U	0.00094 U	0.0011 U
Chlorobenzene	1.1	0.0012 U	0.0011 U	0.00091 U	0.00087 U	0.0010 U	0.0014 U	0.00093 U	0.00087 U	0.0010 U	0.0012 U	0.00098 U	0.0011 U	0.0010 U	0.00094 U	0.0011 U
Chloroethane	NA	0.0012 U	0.0011 U	0.00091 U	0.00087 U	0.0010 U	0.0014 U	0.00093 U	0.00087 U	0.0011	0.0012 U	0.00098 U	0.0011 U	0.0010 U	0.00094 U	0.0011 U
Chloroform	0.37	0.0012 U	0.0011 U	0.00091 U	0.00087 U	0.0010 U	0.0014 U	0.00093 U	0.00087 U	0.0010 U	0.0012 U	0.00098 U	0.0011 U	0.0010 U	0.00094 U	0.0011 U
Chloromethane	NA	0.0012 U	0.0011 U	0.00091 U	0.00087 U	0.0010 U	0.0014 U	0.00093 U	0.00087 U	0.0010 U	0.0012 U	0.00098 U	0.0011 U	0.0010 U	0.00094 U	0.0011 U
cis-1,2-Dichloroethene	0.25	0.0012 U	0.0011 U	0.00091 U	0.00087 U	0.0010 U	0.0014 U	0.00093 U	0.00087 U	0.0010 U	0.0012 U	0.00098 U	0.0011 U	0.0010 U	0.00094 U	0.0011 U
cis-1,3-Dichloropropene	NA	0.0012 U	0.0011 U	0.00091 U	0.00087 U	0.0010 U	0.0014 U	0.00093 U	0.00087 U	0.0010 U	0.0012 U	0.00098 U	0.0011 U	0.0010 U	0.00094 U	0.0011 U
Cyclohexane	NA	0.0012 U	0.0011 U	0.00091 U	0.00087 U	0.0010 U	0.0014 U	0.00093 U	0.00018 J	0.0010 U	0.0012 U	0.00098 U	0.0011 U	0.0010 U	0.00094 U	0.0011 U
Dibromochloromethane	NA	0.0012 U	0.0011 U	0.00091 U	0.00087 U	0.0010 U	0.0014 U	0.00093 U	0.00087 U	0.0010 U	0.0012 U	0.00098 U	0.0011 U	0.0010 U	0.00094 U	0.0011 U
Dichlorodifluoromethane	NA	0.0012 U	0.0011 U	0.00091 U	0.00087 U	0.0010 U	0.0014 U	0.00093 U	0.00087 U	0.0010 U	0.0012 U	0.00098 U	0.0011 U	0.0010 U	0.00094 U	0.0011 U
Ethylbenzene	1	0.0057	0.016	0.00091 U	0.00087 U	0.0010 U	0.0014 U	0.00093 U	0.00087	0.0010 U	0.0012 U	0.00098 U	0.0011 U	0.0010 U	0.00094 U	0.0011 U
Freon 113	NA	0.0012 U	0.0011 U	0.00091 U	0.00087 U	0.0010 U	0.0014 U	0.00093 U	0.00087 U	0.0010 U	0.0012 U	0.00098 U	0.0011 U	0.0010 U	0.00094 U	0.0011 U
Isopropylbenzene	NA	0.00029 J	0.00054 J	0.00091 U	0.00087 U	0.0010 U	0.0014 U	0.00093 U	0.0013	0.00028 J	0.0012 U	0.00098 U	0.0011 U	0.0010 U	0.00094 U	0.00050 J
m&p-Xylene	0.26	0.014	0.040	0.0018 U	0.0017 U	0.0010 U	0.0014 U	0.00093 U	0.0011	0.0010 U	0.0012 U	0.00098 U	0.0011 U	0.0010 U	0.00094 U	0.0011 U
Methyl acetate	NA	0.0012 U	0.0011 U	0.00091 U	0.00087 U	0.0010 U	0.0014 U	0.00093 U	0.00087 U	0.0010 U	0.00083 J	0.0049 U	0.0053 U	0.0052 U	0.0047 U	0.0056 U
Methylcyclohexane	NA	0.0012 U	0.0011 U	0.00091 U	0.00087 U	0.0010 U	0.0014 U	0.00093 U	0.00060 J	0.0010 U	0.0012 U	0.00098 U	0.0011 U	0.0010 U	0.00094 U	0.0011 U
Methylene Chloride	0.05	0.0014 B	0.0018 B	0.00063 J	0.00075 J	0.00072 J	0.0012 J	0.00083 J	0.0022	0.0064	0.0090	0.0033	0.0017	0.0029	0.0020	0.0059
MTBE	0.93	0.0012 U	0.0011 U	0.00091 U R	0.00087 U R	0.0010 U	0.0014 U	0.00093 U	0.00087 U	0.0010 U	0.0012 U	0.00098 U	0.0011 U	0.0010 U	0.00094 U	0.0011 U
Naphthalene	12	0.0012 U	0.0011 U	0.00091 U	0.00087 U	0.00025 J	0.0014 U	0.00093 U	0.013	0.00085 J	0.0012 U	0.00098 U	0.00055 J	0.0010 U	0.00094 U	0.011
o-Xylene	0.26	0.0031	0.0085	0.00091 U	0.00087 U	0.0010 U	0.0014 U	0.00093 U	0.00087 U	0.0010 U	0.0012 U	0.00098 U	0.0011 U	0.0010 U	0.00094 U	0.0011 U
Styrene	NA	0.0012 U	0.0011 U	0.00091 U	0.00087 U	0.0010 U	0.0014 U	0.00093 U	0.00087 U	0.0010 U	0.0012 U	0.00098 U	0.0011 U	0.0010 U	0.00094 U	0.0011 U
Tetrachloroethene	1.3	0.00018 J	0.0011 U	0.00017 J	0.00087 U	0.00057 J	0.00073 J	0.0024	0.00087 U	0.0010 U	0.0012 U	0.00098 U	0.0011 U	0.0010 U	0.00094 U	0.0011 U
Toluene	0.7	0.0012 U	0.0011 U	0.00091 U	0.00087 U	0.00066 J	0.00040 J	0.00031 J	0.00018 J	0.00036 J	0.0012 U	0.00019 J	0.0011 U	0.00021 J	0.00021 J	0.00038 J
trans-1,2-Dichloroethene	0.19	0.0012 U	0.0011 U	0.00091 U	0.00087 U	0.0010 U	0.0014 U	0.00093 U	0.00087 U	0.0010 U	0.0012 U	0.00098 U	0.0011 U	0.0010 U	0.00094 U	0.0011 U
trans-1,3-Dichloropropene	NA	0.0012 U	0.0011 U	0.00091 U	0.00087 U	0.0010 U	0.0014 U	0.00093 U	0.00087 U	0.0010 U	0.0012 U	0.00098 U	0.0011 U	0.0010 U	0.00094 U	0.0011 U
Trichloroethene	0.47	0.0012 U	0.0011 U	0.00091 U	0.00087 U	0.00039 J	0.0014 U	0.00016 J	0.00087 U	0.0010 U	0.0012 U	0.00098 U	0.0011 U	0.0010 U	0.00094 U	0.0011 U
Trichlorofluoromethane	NA	0.0012 U	0.0011 U	0.00091 U	0.00087 U	0.0010 U	0.0014 U	0.00093 U	0.00087 U	0.0010 U	0.00039 J	0.00098 U	0.0011 U	0.0010 U	0.00094 U	0.0011 U
Vinyl chloride	0.02	0.0012 U	0.0011 U	0.00091 U	0.00087 U	0.0010 U	0.0014 U	0.00093 U	0.00087 U	0.0010 U	0.0012 U	0.00098 U	0.0011 U	0.0010 U	0.00094 U	0.0011 U
Xylenes, Total	0.26	0.017	0.048	0.0027 U	0.0026 U	0.0020 U	0.0029 U	0.0019 U	0.0011 J	0.0021 U	0.0023 U	0.0020 U	0.0021 U	0.0021 U	0.0019 U	0.0022 U
Total VOC TICs	NA	ND	ND	ND	ND	ND	ND	ND	0.426	0.01	ND	ND	0.0127	ND	ND	0.1242

Notes
ND: TIC not detected
U R : Indicates that value is rejected based upon DUSR review by third party data validator.
B : The analyte was found in an associated blank, as well as in the sample.
J : Indicates an estimated value.
J B : Indicates an estimated value.
U : Analyzed for but not detected.



Table 6-55
North Alleyway Area
Confirmatory, Port-Excavation TCL VOC Soil Analytical Data

TCL VOCs (mg/kg)	NYSDEC Unrestricted SCO	North Alleyway Area - Confirmatory Post-Excavation Soil Samples															
		Bottom Soil Samples															
		NA-EP#3 (14')	NA-EP#4 (14')	NA-EP#7 (15')	NA-EP#9 (12')	NA-EP#11 (12')	NA-EP#14 (12')	NA-EP#15 (12')	NA-EP#20 (10')	NA-EP#21 (10')	NA-EP#25 (8')	NA-EP#30 (12')	NA-EP#31 (12')	NA-EP#32 (12')	NA-EP#33 (12')	NA-EP#34 (12')	NA-EP#35 (12')
1,1,1-Trichloroethane	0.68	0.0010 U	0.0010 U	0.00095 U	0.00097 U	0.0010 U	0.00095 U	0.0013 U	0.0011 U	0.0010 U	0.0011 U	0.00094 U	0.00091 U	0.00097 U	0.00097 U	0.0013 U	0.0012 U
1,1,2,2-Tetrachloroethane	NA	0.0010 U	0.0010 U	0.00095 U	0.00097 U	0.0010 U	0.00095 U	0.0013 U	0.0011 U	0.0010 U	0.0011 U	0.00094 U	0.00091 U	0.00097 U	0.00097 U	0.0013 U	0.0012 U
1,1,2-Trichloroethane	NA	0.0010 U	0.0010 U	0.00095 U	0.00097 U	0.0010 U	0.00095 U	0.0013 U	0.0011 U	0.0010 U	0.0011 U	0.00094 U	0.00091 U	0.00097 U	0.00097 U	0.0013 U	0.0012 U
1,1-Dichloroethane	0.27	0.0010 U	0.0010 U	0.00095 U	0.00097 U	0.0010 U	0.00095 U	0.0013 U	0.0011 U	0.0010 U	0.0011 U	0.00094 U	0.00091 U	0.00097 U	0.00097 U	0.0013 U	0.0012 U
1,1-Dichloroethene	0.33	0.0010 U	0.0010 U	0.00095 U	0.00097 U	0.0010 U	0.00095 U	0.0013 U	0.0011 U	0.0010 U	0.0011 U	0.00094 U	0.00091 U	0.00097 U	0.00097 U	0.0013 U	0.0012 U
1,2,3-Trichlorobenzene	NA	0.0010 U	0.0010 U	0.00095 U	0.00097 U	0.0010 U	0.00095 U	0.0013 U	0.0011 U	0.0010 U	0.0011 U	0.00094 U	0.00091 U	0.00097 U	0.00097 U	0.0013 U	0.0012 U
1,2,4-Trichlorobenzene	NA	0.0010 U	0.0010 U	0.00095 U	0.00097 U	0.0010 U	0.00095 U	0.0013 U	0.0011 U	0.0010 U	0.0011 U	0.00094 U	0.00091 U	0.00097 U	0.00097 U	0.0013 U	0.0012 U
1,2-Dibromo-3-Chloropropane	NA	0.0010 U	0.001 U	0.00095 U	0.00097 U	0.0010 U	0.00095 U	0.0013 U	0.0011 U	0.0010 U	0.0011 U	0.00094 U	0.00091 U	0.00097 U	0.00097 U	0.0013 U	0.0012 U
1,2-Dibromoethane	NA	0.0010 U	0.0010 U	0.00095 U	0.00097 U	0.0010 U	0.00095 U	0.0013 U	0.0011 U	0.0010 U	0.0011 U	0.00094 U	0.00091 U	0.00097 U	0.00097 U	0.0013 U	0.0012 U
1,2-Dichlorobenzene	1.1	0.0010 U	0.0010 U	0.00095 U	0.00097 U	0.0010 U	0.00095 U	0.0013 U	0.0011 U	0.0010 U	0.0011 U	0.00094 U	0.00091 U	0.00097 U	0.00097 U	0.0013 U	0.0012 U
1,2-Dichloroethane	0.02	0.0010 U	0.0010 U	0.00095 U	0.00097 U	0.0010 U	0.00095 U	0.0013 U	0.0011 U	0.0010 U	0.0011 U	0.00094 U	0.00091 U	0.00097 U	0.00097 U	0.0013 U	0.0012 U
1,2-Dichloropropane	NA	0.0010 U	0.0010 U	0.00095 U	0.00097 U	0.0010 U	0.00095 U	0.0013 U	0.0011 U	0.0010 U	0.0011 U	0.00094 U	0.00091 U	0.00097 U	0.00097 U	0.0013 U	0.0012 U
1,3-Dichlorobenzene	2.4	0.0010 U	0.0010 U	0.00095 U	0.00097 U	0.0010 U	0.00095 U	0.0013 U	0.0011 U	0.0010 U	0.0011 U	0.00094 U	0.00091 U	0.00097 U	0.00097 U	0.0013 U	0.0012 U
1,4-Dichlorobenzene	1.8	0.0010 U	0.0010 U	0.00095 U	0.00097 U	0.0010 U	0.00095 U	0.0013 U	0.0011 U	0.0010 U	0.0011 U	0.00094 U	0.00091 U	0.00097 U	0.00097 U	0.0013 U	0.0012 U
1,4-Dioxane	0.1	0.020 U	0.021 U	0.019 U	0.019 U	0.020 U	0.019 U	0.026 U	0.023 U	0.020 U	0.021 U	0.019 U	0.018 U	0.019 U	0.019 U	0.026 U	0.024 U
2-Butanone (MEK)	0.12	0.0051 U	0.0051 U	0.0047 U	0.0048 U	0.0051 U	0.0047 U	0.0064 U	0.0056 U	0.0051 U	0.0053 U	0.0047 U	0.0046 U	0.0049 U	0.0049 U	0.0066 U	0.0060 U
2-Hexanone	NA	0.0051 U	0.0051 U	0.0047 U	0.0048 U	0.0051 U	0.0047 U	0.0064 U	0.0056 U	0.0051 U	0.0053 U	0.0047 U	0.0046 U	0.0049 U	0.0049 U	0.0066 U	0.0060 U
4-Methyl-2-pentanone	NA	0.0051 U	0.0051 U	0.0047 U	0.0048 U	0.0051 U	0.0047 U	0.0064 U	0.0056 U	0.0051 U	0.0053 U	0.0047 U	0.0046 U	0.0049 U	0.0049 U	0.0066 U	0.0060 U
Acetone	0.05	0.0051 U	0.0051 U	0.038 B	0.0048 U	0.0051 U	0.011 B	0.012 B	0.0072 B	0.0051 U	0.0055 B	0.010 B	0.018 B	0.014 B	0.0094 B	0.020 B	0.012 B
Benzene	0.06	0.0010 U	0.0010 U	0.00095 U	0.00023 J	0.0010 U	0.0010	0.0013 U	0.00023 J	0.0011	0.0011 U	0.00094 U	0.00091 U	0.00097 U	0.00097 U	0.0013 U	0.0012 U
Bromochloromethane	NA	0.0010 U	0.0010 U	0.00095 U	0.00097 U	0.0010 U	0.0010 U	0.0013 U	0.0011 U	0.0010 U	0.0011 U	0.00094 U	0.00091 U	0.00097 U	0.00097 U	0.0013 U	0.0012 U
Bromodichloromethane	NA	0.0010 U	0.0010 U	0.00095 U	0.00097 U	0.0010 U	0.00095 U	0.0013 U	0.0011 U	0.0010 U	0.0011 U	0.00094 U	0.00091 U	0.00097 U	0.00097 U	0.0013 U	0.0012 U
Bromoform	NA	0.0010 U	0.0010 U	0.00095 U	0.00097 U	0.0010 U	0.00095 U	0.0013 U	0.0011 U	0.0010 U	0.0011 U	0.00094 U	0.00091 U	0.00097 U	0.00097 U	0.0013 U	0.0012 U
Bromomethane	NA	0.0010 U	0.0010 U	0.00095 U	0.00097 U	0.0010 U	0.00095 U	0.0013 U	0.0011 U	0.0010 U	0.0011 U	0.00094 U	0.00091 U	0.00097 U	0.00097 U	0.0013 U	0.0012 U
Carbon disulfide	NA	0.0010 U	0.0010 U	0.00095 U	0.00097 U	0.0010 U	0.00095 U	0.0013 U	0.0011 U	0.0010 U	0.0011 U	0.00094 U	0.00091 U	0.00097 U	0.00097 U	0.0013 U	0.0012 U
Carbon tetrachloride	0.76	0.0010 U	0.0010 U	0.00095 U	0.00097 U	0.0010 U	0.00095 U	0.0013 U	0.0011 U	0.0010 U	0.0011 U	0.00094 U	0.00091 U	0.00097 U	0.00097 U	0.0013 U	0.0012 U
Chlorobenzene	1.1	0.0010 U	0.0010 U	0.00095 U	0.00097 U	0.0010 U	0.00095 U	0.0013 U	0.0011 U	0.0010 U	0.0011 U	0.00094 U	0.00091 U	0.00097 U	0.00097 U	0.0013 U	0.0012 U
Chloroethane	NA	0.0010 U	0.0010 U	0.00095 U	0.00097 U	0.0010 U	0.00095 U	0.0013 U	0.0011 U	0.0010 U	0.0011 U	0.00094 U	0.00091 U	0.00097 U	0.00097 U	0.0013 U	0.0012 U
Chloroform	0.37	0.0010 U	0.0010 U	0.00095 U	0.00097 U	0.0010 U	0.00095 U	0.0013 U	0.0011 U	0.0010 U	0.0011 U	0.00094 U	0.00091 U	0.00097 U	0.00097 U	0.00053 J	0.0012 U
Chloromethane	NA	0.0010 U	0.0010 U	0.00095 U	0.00097 U	0.0010 U	0.00095 U	0.0013 U	0.0011 U	0.0010 U	0.0011 U	0.00094 U	0.00091 U	0.00097 U	0.00097 U	0.0013 U	0.0012 U
cis-1,2-Dichloroethene	0.25	0.0010 U	0.0010 U	0.00095 U	0.00097 U	0.0010 U	0.00095 U	0.0013 U	0.0011 U	0.00022 J	0.0011 U	0.00094 U	0.00091 U	0.00097 U	0.00097 U	0.0013 U	0.0012 U
cis-1,3-Dichloropropene	NA	0.0010 U	0.0010 U	0.00095 U	0.00097 U	0.0010 U	0.00095 U	0.0013 U	0.0011 U	0.0010 U	0.0011 U	0.00094 U	0.00091 U	0.00097 U	0.00097 U	0.0013 U	0.0012 U
Cyclohexane	NA	0.0010 U	0.0010 U	0.00095 U	0.00097 U	0.0010 U	0.00095 U	0.0013 U	0.0011 U	0.0010 U	0.0011 U	0.00094 U	0.00091 U	0.00097 U	0.00097 U	0.0013 U	0.0012 U
Dibromochloromethane	NA	0.0010 U	0.0010 U	0.00095 U	0.00097 U	0.0010 U	0.00095 U	0.0013 U	0.0011 U	0.0010 U	0.0011 U	0.00094 U	0.00091 U	0.00097 U	0.00097 U	0.0013 U	0.0012 U
Dichlorodifluoromethane	NA	0.0010 U	0.0010 U	0.00095 U	0.00097 U	0.0010 U	0.00095 U	0.0013 U	0.0011 U	0.0010 U	0.0011 U	0.00094 U	0.00091 U	0.00097 U	0.00097 U	0.0013 U	0.0012 U
Ethylbenzene	1	0.00033 J	0.00022 J	0.00095 U	0.00097 U	0.0010 U	0.00065 J	0.0013 U	0.0011 U	0.0010 U	0.00093 J	0.00094 U	0.00091 U	0.00097 U	0.00097 U	0.0013 U	0.0012 U
Freon 113	NA	0.0010 U	0.0010 U	0.00095 U	0.00097 U	0.0010 U	0.00095 U	0.0013 U	0.0011 U	0.0010 U	0.0011 U	0.00094 U	0.00091 U	0.00097 U	0.00097 U	0.0013 U	0.0012 U
Isopropylbenzene	NA	0.0014	0.0010 U	0.00095 U	0.00097 U	0.0010 U	0.00095 U	0.0013 U	0.00040 J	0.00017 J	0.00013 J	0.00094 U	0.00091 U	0.00097 U	0.00097 U	0.0013 U	0.0012 U
m&p-Xylene	0.26	0.00081 J	0.0021 U	0.0019 U	0.0019 U	0.0020 U	0.0019 U	0.0026 U	0.0012 J	0.0020 U	0.0022	0.0019 U	0.0018 U	0.0019 U	0.0019 U	0.0026 U	0.0024 U
Methyl acetate	NA	0.0010 U	0.0010 U	0.00095 U	0.00097 U	0.0010 U	0.00095 U	0.0013 U	0.0011 U	0.0010 U	0.0011 U	0.00094 U	0.00091 U	0.00097 U</			

Table 6-55
North Alleyway Area
Confirmatory, Port-Excavation TCL VOC Soil Analytical Data

TCL VOCs (mg/kg)	NYSDEC Unrestricted SCO	North Alleyway Area - Confirmatory Post-Excavation Soil Samples																
		Bottom Soil Samples																
		NA-EP#36 (12')	NA-EP#37 (12')	NA-EP#39 (12')	NA-EP#42 (12')	NA-EP#43 (12')	NA-EP#44 (12')	NA-EP#46 (12')	NA-EP#48 (12')	NA-EP#50 (12')	NA-EP#51 (12')	NA-EP#52 (12')	NA-EP#53 (12')	NA-EP#54 (12')	NA-EP#55 (12')	NA-EP#56 (12')	NA-EP#57 (12')	NA-EP#60 (12')
1,1,1-Trichloroethane	0.68	0.0011 U	0.0021	0.0011	0.0012 U	0.0012 U	0.0011 U	0.0010 U	0.0011 U	0.00096 U	0.0010 U	0.0011 U	0.0011 U	0.0010 U	0.00097 U	0.0015 U	0.0010 U	0.0013 U
1,1,2,2-Tetrachloroethane	NA	0.0011 U	0.0014 U	0.0011 U	0.0012 U	0.0012 U	0.0011 U	0.0010 U	0.0011 U	0.00096 U	0.0010 U	0.0011 U	0.0011 U	0.0010 U	0.00097 U	0.0015 U	0.0010 U	0.0013 U
1,1,2-Trichloroethane	NA	0.0011 U	0.0014 U	0.0011 U	0.0012 U	0.0012 U	0.0011 U	0.0010 U	0.0011 U	0.00096 U	0.0010 U	0.0011 U	0.0011 U	0.0010 U	0.00097 U	0.0015 U	0.0010 U	0.0013 U
1,1-Dichloroethane	0.27	0.0011 U	0.0014 U	0.0011 U	0.0012 U	0.0012 U	0.0011 U	0.0010 U	0.0011 U	0.00096 U	0.0010 U	0.0011 U	0.0011 U	0.0010 U	0.00097 U	0.0015 U	0.0010 U	0.0013 U
1,1-Dichloroethene	0.33	0.0011 U	0.0014 U	0.0011 U	0.0012 U	0.0012 U	0.0011 U	0.0010 U	0.0011 U	0.00096 U	0.0010 U	0.0011 U	0.0011 U	0.0010 U	0.00097 U	0.0015 U	0.0010 U	0.0013 U
1,2,3-Trichlorobenzene	NA	0.0011 U	0.0014 U	0.0011 U	0.0012 U	0.0012 U	0.0011 U	0.0010 U	0.0011 U	0.00096 U	0.0010 U	0.0011 U	0.0011 U	0.0010 U	0.00097 U	0.0015 U	0.0010 U	0.0013 U
1,2,4-Trichlorobenzene	NA	0.0011 U	0.0014 U	0.0011 U	0.0012 U	0.0012 U	0.0011 U	0.0010 U	0.0011 U	0.00096 U	0.0010 U	0.0011 U	0.0011 U	0.0010 U	0.00097 U	0.0015 U	0.0010 U	0.0013 U
1,2-Dibromo-3-Chloropropane	NA	0.0011 U	0.0014 U	0.0011 U	0.0012 U	0.0012 U	0.0011 U	0.0010 U	0.0011 U	0.00096 U	0.0010 U	0.0011 U	0.0011 U	0.0010 U	0.00097 U	0.0015 U	0.0010 U	0.0013 U
1,2-Dibromoethane	NA	0.0011 U	0.0014 U	0.0011 U	0.0012 U	0.0012 U	0.0011 U	0.0010 U	0.0011 U	0.00096 U	0.0010 U	0.0011 U	0.0011 U	0.0010 U	0.00097 U	0.0015 U	0.0010 U	0.0013 U
1,2-Dichlorobenzene	1.1	0.0011 U	0.0014 U	0.0011 U	0.0012 U	0.0012 U	0.0011 U	0.0010 U	0.0011 U	0.00096 U	0.0010 U	0.0011 U	0.0011 U	0.0010 U	0.00097 U	0.0015 U	0.0010 U	0.0013 U
1,2-Dichloroethane	0.02	0.0011 U	0.0014 U	0.0011 U	0.0012 U	0.0012 U	0.0011 U	0.0010 U	0.0011 U	0.00096 U	0.0010 U	0.0011 U	0.0011 U	0.0010 U	0.00097 U	0.0015 U	0.0010 U	0.0013 U
1,2-Dichloropropane	NA	0.0011 U	0.0014 U	0.0011 U	0.0012 U	0.0012 U	0.0011 U	0.0010 U	0.0011 U	0.00096 U	0.0010 U	0.0011 U	0.0011 U	0.0010 U	0.00097 U	0.0015 U	0.0010 U	0.0013 U
1,3-Dichlorobenzene	2.4	0.0011 U	0.0014 U	0.0011 U	0.0012 U	0.0012 U	0.0011 U	0.0010 U	0.0011 U	0.00096 U	0.0010 U	0.0011 U	0.0011 U	0.0010 U	0.00097 U	0.0015 U	0.0010 U	0.0013 U
1,4-Dichlorobenzene	1.8	0.0011 U	0.0014 U	0.0011 U	0.0012 U	0.0012 U	0.0011 U	0.0010 U	0.0011 U	0.00096 U	0.0010 U	0.0011 U	0.0011 U	0.0010 U	0.00097 U	0.0015 U	0.0010 U	0.0013 U
1,4-Dioxane	0.1	0.022 U	0.028 U	0.022 U	0.023 U	0.023 U	0.022 U	0.020 U	0.021 U	0.019 U	0.020 U	0.023 U	0.021 U	0.020 U	0.019 U	0.031 U	0.021 U	0.026 U
2-Butanone (MEK)	0.12	0.0055 U	0.0070 U	0.0055 U	0.0058 U	0.0058 U	0.0031 J	0.0028 J	0.0034 J	0.0028 J	0.0051 U	0.0049 J	0.0037 J	0.0036 J	0.0048 U	0.0077 U	0.0018 J	0.0026 J
2-Hexanone	NA	0.0055 U	0.0070 U	0.0055 U	0.0058 U	0.0058 U	0.0056 U	0.0051 U	0.0053 U	0.0048 U	0.0051 U	0.0057 U	0.0053 U	0.0050 U	0.0048 U	0.0077 U	0.0051 U	0.0065 U
4-Methyl-2-pentanone	NA	0.0055 U	0.0070 U	0.0055 U	0.0058 U	0.0058 U	0.0056 U	0.0051 U	0.0053 U	0.0048 U	0.0051 U	0.0057 U	0.0053 U	0.0050 U	0.0048 U	0.0077 U	0.0051 U	0.0065 U
Acetone	0.05	0.014 B	0.030 B	0.017 B	0.0070 B	0.010 B	0.027 B	0.031 B	0.022 B	0.016 B	0.019 B	0.035 B	0.032 B	0.024 B	0.021 B	0.013 B	0.015 B	0.021 B
Benzene	0.06	0.0011 U	0.0014 U	0.0011 U	0.0012 U	0.0012 U	0.0011 U	0.0010 U	0.0011 U	0.00096 U	0.00021 J	0.00035 J	0.0011 U	0.0010 U	0.00097 U	0.0015 U	0.00034 J	0.0013 U
Bromochloromethane	NA	0.0011 U	0.0014 U	0.0011 U	0.0012 U	0.0012 U	0.0011 U	0.0010 U	0.0011 U	0.00096 U	0.0010 U	0.0011 U	0.0011 U	0.0010 U	0.00097 U	0.0015 U	0.0010 U	0.0013 U
Bromodichloromethane	NA	0.0011 U	0.0014 U	0.0011 U	0.0012 U	0.0012 U	0.0011 U	0.0010 U	0.0011 U	0.00096 U	0.0010 U	0.0011 U	0.0011 U	0.0010 U	0.00097 U	0.0015 U	0.0010 U	0.0013 U
Bromoform	NA	0.0011 U	0.0014 U	0.0011 U	0.0012 U	0.0012 U	0.0011 U	0.0010 U	0.0011 U	0.00096 U	0.0010 U	0.0011 U	0.0011 U	0.0010 U	0.00097 U	0.0015 U	0.0010 U	0.0013 U
Bromomethane	NA	0.0011 U	0.0014 U	0.0011 U	0.0012 U	0.0012 U	0.0011 U	0.0010 U	0.0011 U	0.00096 U	0.0010 U	0.0011 U	0.0011 U	0.0010 U	0.00097 U	0.0015 U	0.0010 U	0.0013 U
Carbon disulfide	NA	0.0011 U	0.0014 U	0.0011 U	0.0012 U	0.00026 J	0.0011 U	0.0010 U	0.00017 J	0.00042 J	0.00069 J	0.00068 J	0.00049 J	0.00054 J	0.00097 U	0.0015 U	0.0010 U	0.0013 U
Carbon tetrachloride	0.76	0.0011 U	0.0014 U	0.0011 U	0.0012 U	0.0012 U	0.0011 U	0.0010 U	0.0011 U	0.00096 U	0.0010 U	0.0011 U	0.0011 U	0.0010 U	0.00097 U	0.0015 U	0.0010 U	0.0013 U
Chlorobenzene	1.1	0.0011 U	0.0014 U	0.0011 U	0.0012 U	0.0012 U	0.0011 U	0.0010 U	0.0011 U	0.00096 U	0.0010 U	0.0011 U	0.0011 U	0.0010 U	0.00097 U	0.0015 U	0.0010 U	0.0013 U
Chloroethane	NA	0.0011 U	0.0014 U	0.0011 U	0.0012 U	0.0012 U	0.0011 U	0.0010 U	0.0011 U	0.00096 U	0.0010 U	0.0011 U	0.0011 U	0.0010 U	0.00097 U	0.0015 U	0.0010 U	0.0013 U
Chloroform	0.37	0.0011 U	0.0014 U	0.0011 U	0.0012 U	0.0012 U	0.0011 U	0.0010 U	0.0011 U	0.00096 U	0.0010 U	0.0011 U	0.0011 U	0.0010 U	0.00097 U	0.0015 U	0.0010 U	0.0013 U
Chloromethane	NA	0.0011 U	0.0014 U	0.0011 U	0.0012 U	0.0012 U	0.0011 U	0.0010 U	0.0011 U	0.00096 U	0.0010 U	0.0011 U	0.0011 U	0.0010 U	0.00097 U	0.0015 U	0.0010 U	0.0013 U
cis-1,2-Dichloroethene	0.25	0.0011 U	0.0014 U	0.0011 U	0.0012 U	0.0012 U	0.00072 J	0.0010 U	0.0011 U	0.00096 U	0.0010 U	0.0011 U	0.0011 U	0.0010 U	0.00097 U	0.0015 U	0.0010 U	0.0013 U
cis-1,3-Dichloropropene	NA	0.0011 U	0.0014 U	0.0011 U	0.0012 U	0.0012 U	0.0011 U	0.0010 U	0.0011 U	0.00096 U	0.0010 U	0.0011 U	0.0011 U	0.0010 U	0.00097 U	0.0015 U	0.0010 U	0.0013 U
Cyclohexane	NA	0.0011 U	0.0014 U	0.0011 U	0.0012 U	0.0012 U	0.0011 U	0.0010 U	0.0011 U	0.00096 U	0.0010 U	0.0011 U	0.0011 U	0.0010 U	0.00097 U	0.0015 U	0.00022 J	0.0013 U
Dibromochloromethane	NA	0.0011 U	0.0014 U	0.0011 U	0.0012 U	0.0012 U	0.0011 U	0.0010 U	0.0011 U	0.00096 U	0.0010 U	0.0011 U	0.0011 U	0.0010 U	0.00097 U	0.0015 U	0.0010 U	0.0013 U
Dichlorodifluoromethane	NA	0.0011 U	0.0014 U	0.0011 U	0.0012 U	0.0012 U	0.0011 U	0.0010 U	0.0011 U	0.00096 U	0.0010 U	0.0011 U	0.0011 U	0.0010 U	0.00097 U	0.0015 U	0.0010 U	0.0013 U
Ethylbenzene	1	0.0011 U	0.0014 U	0.0011 U	0.0012 U	0.0012 U	0.0011 U	0.0010 U	0.0011 U	0.00096 U	0.0010 U	0.0011 U	0.0011 U	0.0010 U	0.00097 U	0.0015 U	0.0010 U	0.0013 U
Freon 113	NA	0.0011 U	0.0014 U	0.0011 U	0.0012 U	0.0012 U	0.0011 U	0.0010 U	0.0011 U	0.00096 U	0.0010 U	0.0011 U	0.0011 U	0.0010 U	0.00097 U	0.0015 U	0.0010 U	0.0013 U
Isopropylbenzene	NA	0.0011 U	0.0014 U	0.0011 U	0.0012 U	0.0012 U	0.0011 U	0.0010 U	0.0011 U	0.00087 J	0.00022 J	0.0011 U	0.0011 U	0.0010 U	0.00097 U	0.0015 U	0.00073 J	0.0013 U
m&p-Xylene	0.26	0.0011 U	0.0014 U	0.0011 U	0.0012 U	0.0012 U	0.0011 U	0.0010 U	0.0011 U	0.00096 U	0.0010 U	0.0011 U	0.0011 U	0.0010 U	0.00097 U	0.0015 U	0.0010 U	0.0013 U
Methyl acetate	NA	0.0011 U	0.0014 U	0.0011 U	0.0012 U	0.0012 U	0.0011 U	0.0010 U	0.0016	0.00096 U	0.0051 U	0.0057 U	0.0053 U	0.0050 U	0.0048 U	0.0077 U	0.0051 U	0.0065 U
Methylcyclohexane	NA	0.0011 U	0.0014 U	0.0011 U	0.0012 U	0.0012 U	0.0011 U	0.0010 U	0.0011 U	0.00017 J	0.00064 J	0.0011 U	0.0011 U	0.0010 U	0.00097 U	0.0015 U	0.00037 J	0.0013 U
Methylene Chloride	0.05	0.00071 J	0.0013 J	0.00082 J	0.0027	0.0033	0.0039	0.0021	0.0049	0.0059	0.0026	0.0061	0.0028	0.0043	0.0023	0.0015 U	0.0019	0.0058
MTBE	0.93	0.0011 U	0.0014 U	0.0011 U	0.0012 U	0.0012 U	0.0011 U	0.0010 U	0.0011 U	0.00096 U	0.0010 U	0.0011 U	0.0011 U	0.0010 U	0.00097 U	0.0015 U	0.0010 U	0.0013 U
Naphthalene	12	0.0011 U	0.0014 U	0.0011 U	0.0012 U	0.0014	0.0011 U	0.00024 J	0.0011 U	0.0011	0.0010 U	0.0011 U	0.0011 U	0.0010 U	0.00097 U	0.0015 U	0.0010 U	0.0019
o-Xylene	0.26	0.0011 U	0.0014 U	0.0011 U	0.0012 U	0.0012 U	0.0011 U	0.0010 U	0.0011 U	0.00096 U	0.00032 J	0.0011 U	0.0011 U	0.0010 U	0.00097 U	0.0015 U	0.0010 U	0.0013 U
Styrene	NA	0.0011 U	0.0014 U	0.0011 U	0.0012 U	0.0012 U	0.0011 U	0.0010 U	0.0011 U	0.00096 U	0.0010 U	0.0011 U	0.0011 U	0.0010 U	0.00097 U	0.0015 U	0.0010 U	0.0013 U
Tetrachloroethene	1.3	0.00048 J	0.00031 J	0.00023 J	0.0012 U	0.0012 U	0.0066	0.0010 U	0.0011 U	0.00096 U	0.00046 J	0.0011 U	0.0011 U	0.0010 U	0.00070 J	0.0015 U	0.0010 U	0.0013 U
Toluene	0.7	0.0011 U	0.00036 J	0.0011 U	0.0030	0.0027	0.0011 U	0.0010 U	0.0011 U	0.00037 J	0.00023 J	0.00042 J	0.0011 U	0.00032 J	0.00097 U	0.0015 U	0.00020 J	0.00036 J
trans-1,2-Dichloroethene	0.19	0.0011 U	0.0014 U	0.0011 U	0.0012 U	0.0012 U	0.0011 U	0.0010 U	0.0011 U	0.00096 U	0.0010 U	0.0011 U	0.0011 U	0.0010 U	0.00097 U	0.0015 U	0.0010 U	0.0013 U
trans-1,3-Dichloropropene	NA	0.0011 U	0.0014 U	0.0011 U	0.0012 U	0.0012 U	0.0011 U	0.0010 U	0.0011 U	0.00096 U	0.0010 U	0.0011 U	0.0011 U	0.0010 U	0.00097 U	0.0015 U	0.0010 U	0.0013 U
Trichloroethene	0.47	0.0011 U	0.0014 U	0.0011 U	0.0012 U	0.0012 U	0.00050 J	0.0010 U	0.0011 U	0.00096 U	0.0010 U	0.0011 U	0.0011 U	0.0010 U	0.00097 U	0.0015 U	0.0010 U	0.0013 U</

Table 6-56
North Alleyway Area
Confirmatory, Port-Excavation TCL SVOC Soil Analytical Data

TCL SVOCs (mg/kg)	NYSDEC Unrestricted SCO	North Alleyway Area - Confirmatory Post-Excavation Soil Samples														
		Sidewall Soil Samples														
		NA-EP#1	NA-EP#2	NA-EP#5	NA-EP#6	NA-EP#8	NA-EP#10	NA-EP#12	NA-EP#13	NA-EP#16	NA-EP#17	NA-EP#18	NA-EP#19	NA-EP#22	NA-EP#23	NA-EP#24
(8')	(8')	(8')	(8')	(8')	(8')	(8')	(12')	(4')	(8')	(4')	(8')	(4')	(8')	(8')	(8')	
1,2,4,5-Tetrachlorobenzene	NA	0.36 U	0.35 U R	0.40 U R	0.35 U	0.36 U	0.35 U	0.34 U	0.39 U	0.35 U	0.38 U	0.37 U	0.37 U	0.36 U	0.38 U	0.36 U
1,4-Dioxane	0.1	0.36 U	0.35 U	0.40 U	0.35 U	0.36 U	0.36 U	0.34 U	0.39 U	0.35 U	0.38 U	0.37 U	0.37 U	0.36 U	0.38 U	0.36 U
2,2'-oxybis[1-chloropropane]	NA	0.36 U	0.35 U R	0.40 U R	0.35 U	0.36 U	0.36 U	0.34 U	0.39 U	0.35 U	0.38 U	0.37 U	0.37 U	0.36 U	0.38 U	0.36 U
2,3,4,6-Tetrachlorophenol	NA	0.36 U	0.35 U	0.40 U	0.35 U	0.36 U	0.36 U	0.34 U	0.39 U	0.35 U	0.38 U	0.37 U	0.37 U	0.36 U	0.38 U	0.36 U
2,4,5-Trichlorophenol	NA	0.36 U	0.35 U	0.40 U	0.35 U	0.36 U	0.36 U	0.34 U	0.39 U	0.35 U	0.38 U	0.37 U	0.37 U	0.36 U	0.38 U	0.36 U
2,4,6-Trichlorophenol	NA	0.36 U	0.35 U	0.40 U	0.35 U	0.36 U	0.36 U	0.34 U	0.39 U	0.35 U	0.38 U	0.37 U	0.37 U	0.36 U	0.38 U	0.36 U
2,4-Dichlorophenol	NA	0.36 U	0.35 U	0.40 U	0.35 U	0.36 U	0.36 U	0.34 U	0.39 U	0.35 U	0.38 U	0.37 U	0.37 U	0.36 U	0.38 U	0.36 U
2,4-Dimethylphenol	NA	0.36 U	0.35 U	0.40 U	0.35 U	0.36 U	0.36 U	0.34 U	0.39 U	0.35 U	0.38 U	0.37 U	0.37 U	0.36 U	0.38 U	0.36 U
2,4-Dinitrophenol	NA	1.1 U	1.1 U	1.2 U	1.1 U	1.1 U	1.1 U	1.0 U	1.2 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.2 U	1.1 U
2,4-Dinitrotoluene	NA	0.072 U	0.072 U	0.082 U	0.071 U	0.073 U	0.074 U	0.069 U	0.080 U	0.072 U	0.076 U	0.075 U	0.075 U	0.074 U	0.078 U	0.074 U
2,6-Dinitrotoluene	NA	0.072 U	0.072 U	0.082 U	0.071 U	0.073 U	0.074 U	0.069 U	0.080 U	0.072 U	0.076 U	0.075 U	0.075 U	0.074 U	0.078 U	0.074 U
2-Chloronaphthalene	NA	0.36 U	0.35 U	0.40 U	0.35 U	0.36 U	0.36 U	0.34 U	0.39 U	0.35 U	0.38 U	0.37 U	0.37 U	0.36 U	0.38 U	0.36 U
2-Chlorophenol	NA	0.36 U	0.35 U	0.40 U	0.35 U	0.36 U	0.36 U	0.34 U	0.39 U	0.35 U	0.38 U	0.37 U	0.37 U	0.36 U	0.38 U	0.36 U
2-Methylnaphthalene	NA	0.36 U	0.35 U	0.40 U	0.35 U	0.36 U	0.36 U	0.34 U	0.39 U	0.35 U	0.38 U	0.37 U	0.37 U	0.36 U	0.38 U	0.36 U
2-Methylphenol	0.33	0.36 U	0.35 U	0.40 U	0.35 U	0.36 U	0.36 U	0.34 U	0.39 U	0.35 U	0.38 U	0.37 U	0.37 U	0.36 U	0.38 U	0.36 U
2-Nitroaniline	NA	0.72 U	0.72 U R	0.82 U R	0.71 U	0.73 U	0.74 U	0.69 U	0.80 U	0.72 U	0.76 U	0.75 U	0.75 U	0.74 U	0.78 U	0.74 U
2-Nitrophenol	NA	0.36 U	0.35 U	0.40 U	0.35 U	0.36 U	0.36 U	0.34 U	0.39 U	0.35 U	0.38 U	0.37 U	0.37 U	0.36 U	0.38 U	0.36 U
3,3'-Dichlorobenzidine	NA	0.72 U	0.72 U	0.82 U	0.71 U	0.73 U	0.74 U	0.69 U	0.80 U	0.72 U	0.76 U	0.75 U	0.75 U	0.74 U	0.78 U	0.74 U
3-Nitroaniline	NA	0.72 U	0.72 U	0.82 U	0.71 U R	0.73 U	0.74 U	0.69 U	0.80 U	0.72 U	0.76 U	0.75 U	0.75 U	0.74 U	0.78 U	0.74 U
4,6-Dinitro-2-methylphenol	NA	1.1 U	1.1 U	1.2 U	1.1 U	1.1 U	1.1 U	1.0 U	1.2 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.2 U	1.1 U
4-Bromophenyl phenyl ether	NA	0.36 U	0.35 U	0.40 U	0.35 U	0.36 U	0.36 U	0.34 U	0.39 U	0.35 U	0.38 U	0.37 U	0.37 U	0.36 U	0.38 U	0.36 U
4-Chloro-3-methylphenol	NA	0.36 U	0.35 U	0.40 U	0.35 U	0.36 U	0.36 U	0.34 U	0.39 U	0.35 U	0.38 U	0.37 U	0.37 U	0.36 U	0.38 U	0.36 U
4-Chloroaniline	NA	0.36 U	0.35 U	0.40 U	0.35 U R	0.36 U	0.36 U	0.34 U	0.39 U	0.35 U	0.38 U	0.37 U	0.37 U	0.36 U	0.38 U	0.36 U
4-Chlorophenyl phenyl ether	NA	0.36 U	0.35 U	0.40 U	0.35 U	0.36 U	0.36 U	0.34 U	0.39 U	0.35 U	0.38 U	0.37 U	0.37 U	0.36 U	0.38 U	0.36 U
4-Methylphenol	0.33	0.36 U	0.35 U	0.40 U	0.35 U	0.36 U	0.36 U	0.34 U	0.39 U	0.35 U	0.38 U	0.37 U	0.37 U	0.36 U	0.38 U	0.36 U
4-Nitroaniline	NA	0.72 U	0.72 U	0.82 U	0.71 U	0.73 U	0.74 U	0.69 U	0.80 U	0.72 U	0.76 U	0.75 U	0.75 U	0.74 U	0.78 U	0.74 U
4-Nitrophenol	NA	1.1 U	1.1 U	1.2 U	1.1 U	1.1 U	1.1 U	1.0 U	1.2 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.2 U	1.1 U
Acenaphthene	20	0.36 U	0.35 U	0.40 U	0.35 U	0.36 U	0.36 U	0.34 U	0.39 U	0.35 U	0.38 U	0.37 U	0.37 U	0.36 U	0.38 U	0.36 U
Acenaphthylene	100	0.36 U	0.35 U	0.40 U	0.35 U	0.36 U	0.36 U	0.34 U	0.39 U	0.35 U	0.38 U	0.37 U	0.37 U	0.36 U	0.38 U	0.36 U
Acetophenone	NA	0.36 U	0.35 U	0.40 U	0.35 U	0.36 U	0.36 U	0.34 U	0.39 U	0.35 U	0.38 U	0.37 U	0.37 U	0.36 U	0.38 U	0.013 J
Anthracene	100	0.36 U	0.35 U	0.40 U	0.35 U	0.019 J	0.36 U	0.34 U	0.39 U	0.35 U	0.38 U	0.37 U	0.37 U	0.36 U	0.38 U	0.36 U
Atrazine	NA	0.36 U	0.35 U	0.40 U	0.35 U	0.36 U	0.36 U	0.34 U	0.39 U	0.35 U	0.38 U	0.37 U	0.37 U	0.36 U	0.38 U	0.36 U
Benzaldehyde	NA	0.36 U	0.35 U	0.40 U	0.35 U	0.36 U	0.36 U	0.34 U	0.39 U	0.35 U R	0.38 U R	0.37 U R	0.37 U R	0.36 U	0.38 U	0.034 J
Benzo[a]anthracene	1	0.036 U	0.035 U	0.040 U	0.035 U	0.095	0.036 U	0.034 U	0.037 J	0.035 U	0.038 U	0.037 U	0.037 U	0.036 U	0.038 U	0.0016 J
Benzo[a]pyrene	1	0.036 U	0.035 U	0.040 U	0.035 U	0.086	0.036 U	0.034 U	0.033 J	0.035 U	0.038 U	0.037 U	0.037 U	0.036 U	0.038 U	0.0020 J
Benzo[b]fluoranthene	1	0.036 U	0.035 U	0.040 U	0.035 U	0.11	0.036 U	0.034 U	0.048 J	0.035 U	0.038 U	0.037 U	0.037 U	0.036 U	0.038 U	0.0015 J
Benzo[g,h,i]perylene	100	0.36 U	0.35 U	0.40 U	0.35 U	0.074 J	0.36 U	0.34 U	0.033 J	0.35 U	0.38 U	0.37 U	0.37 U	0.36 U	0.38 U	0.36 U
Benzo[k]fluoranthene	0.8	0.036 U	0.035 U	0.040 U	0.035 U	0.039	0.036 U	0.034 U	0.020 J	0.035 U	0.038 U	0.037 U	0.037 U	0.036 U	0.038 U	0.036 U
Bis(2-chloroethoxy)methane	NA	0.36 U	0.35 U	0.40 U	0.35 U	0.36 U	0.36 U	0.34 U	0.39 U	0.35 U	0.38 U	0.37 U	0.37 U	0.36 U	0.38 U	0.36 U
Bis(2-chloroethyl)ether	NA	0.036 U	0.035 U	0.040 U	0.035 U	0.036 U	0.036 U	0.034 U	0.039 U	0.035 U	0.038 U	0.037 U	0.037 U	0.036 U	0.038 U	0.036 U
Bis(2-ethylhexyl) phthalate	NA	0.36 U	0.35 U	0.40 U	0.35 U	0.36 U	0.36 U	0.34 U	0.39 U	0.35 U	0.38 U	0.37 U	0.37 U	0.36 U	0.38 U	0.027 J
Butyl benzyl phthalate	NA	0.36 U	0.35 U	0.40 U	0.35 U	0.36 U	0.36 U	0.34 U	0.39 U	0.35 U	0.38 U	0.37 U	0.37 U	0.36 U	0.38 U	0.021 J
Caprolactam	NA	0.36 U	0.35 U	0.40 U	0.35 U	0.36 U	0.36 U	0.34 U	0.39 U	0.35 U	0.38 U	0.37 U	0.37 U	0.36 U	0.38 U	0.36 U
Carbazole	NA	0.36 U	0.35 U	0.40 U	0.35 U	0.36 U	0.36 U	0.34 U	0.39 U	0.35 U	0.38 U	0.37 U	0.37 U	0.36 U	0.38 U	0.36 U
Chrysene	1	0.36 U	0.35 U	0.40 U	0.35 U	0.096 J	0.36 U	0.34 U	0.038 J	0.35 U	0.38 U	0.37 U	0.37 U	0.36 U	0.38 U	0.0016 J
Dibenz(a,h)anthracene	0.33	0.036 U	0.035 U	0.040 U	0.035 U	0.019 J	0.036 U	0.034 U	0.039 J	0.035 U	0.038 U	0.037 U	0.037 U	0.036 U	0.038 U	0.036 U
Dibenzofuran	7	0.36 U	0.35 U	0.40 U	0.35 U	0.36 U	0.36 U	0.34 U	0.39 U	0.35 U	0.38 U	0.37 U	0.37 U	0.36 U	0.38 U	0.36 U
Diethyl phthalate	NA	0.36 U	0.35 U	0.40 U	0.35 U	0.36 U	0.36 U	0.34 U	0.39 U	0.35 U	0.38 U	0.37 U</				

Table 6-56
North Alleyway Area
Confirmatory, Port-Excavation TCL SVOC Soil Analytical Data

TCL SVOCs (mg/kg)	NYSDEC Unrestricted SCO	North Alleyway Area - Confirmatory Post-Excavation Soil Samples														
		Sidewall Soil Samples														
		NA-EP#26 (8')	NA-EP#27 (8')	NA-EP#28 (8')	NA-EP#29 (8')	NA-EP#38 (12')	NA-EP#40 (12')	NA-EP#41 (12')	NA-EP#45 (12')	NA-EP#47 (12')	NA-EP#49 (12')	NA-EP#58 (8')	NA-EP#59 (8')	NA-EP#61 (8')	NA-EP#62 (8')	NA-EP#63 (8')
1,2,4,5-Tetrachlorobenzene	NA	0.45 U	0.44 U	0.36 U	0.35 U	0.38 U	0.44 U	0.37 U	0.38 U	0.37 U	0.38 U	0.37 U	0.38 U	0.37 U	0.35 U	0.39 U
1,4-Dioxane	0.1	0.45 U	0.44 U	0.36 U	0.35 U	0.38 U	0.44 U	0.37 U	0.38 U	0.37 U	0.38 U	0.37 U	0.38 U	0.37 U	0.35 U	0.39 U
2,2'-oxybis[1-chloropropane]	NA	0.45 U	0.44 U	0.36 U	0.35 U	0.38 U	0.44 U	0.37 U	0.38 U	0.37 U	0.38 U	0.37 U	0.38 U	0.37 U	0.35 U	0.39 U
2,3,4,6-Tetrachlorophenol	NA	0.45 U	0.44 U	0.36 U	0.35 U	0.38 U	0.44 U	0.37 U	0.38 U	0.37 U	0.38 U	0.37 U	0.38 U	0.37 U	0.35 U	0.39 U
2,4,5-Trichlorophenol	NA	0.45 U	0.44 U	0.36 U	0.35 U	0.38 U	0.44 U	0.37 U	0.38 U	0.37 U	0.38 U	0.37 U	0.38 U	0.37 U	0.35 U	0.39 U
2,4,6-Trichlorophenol	NA	0.45 U	0.44 U	0.36 U	0.35 U	0.38 U	0.44 U	0.37 U	0.38 U	0.37 U	0.38 U	0.37 U	0.38 U	0.37 U	0.35 U	0.39 U
2,4-Dichlorophenol	NA	0.45 U	0.44 U	0.36 U	0.35 U	0.38 U	0.44 U	0.37 U	0.38 U	0.37 U	0.38 U	0.37 U	0.38 U	0.37 U	0.35 U	0.39 U
2,4-Dimethylphenol	NA	0.45 U	0.44 U	0.36 U	0.35 U	0.38 U	0.44 U	0.37 U	0.38 U	0.37 U	0.38 U	0.37 U	0.38 U	0.37 U	0.35 U	0.39 U
2,4-Dinitrophenol	NA	1.4 U	1.3 U	1.1 U R	1.1 U R	1.2 U	1.3 U	1.1 U	1.1 U	1.1 U	1.2 U	1.1 U	1.2 U	1.1 U	1.1 U	1.2 U
2,4-Dinitrotoluene	NA	0.092 U	0.090 U	0.072 U	0.071 U	0.077 U	0.088 U	0.076 U	0.076 U	0.075 U	0.078 U	0.075 U	0.077 U	0.076 U	0.072 U	0.079 U
2,6-Dinitrotoluene	NA	0.092 U	0.090 U	0.072 U	0.071 U	0.077 U	0.088 U	0.076 U	0.076 U	0.075 U	0.078 U	0.075 U	0.077 U	0.076 U	0.072 U	0.079 U
2-Chloronaphthalene	NA	0.45 U	0.44 U	0.36 U	0.35 U	0.38 U	0.44 U	0.37 U	0.38 U	0.37 U	0.38 U	0.37 U	0.38 U	0.37 U	0.35 U	0.39 U
2-Chlorophenol	NA	0.45 U	0.44 U	0.36 U	0.35 U	0.38 U	0.44 U	0.37 U	0.38 U	0.37 U	0.38 U	0.37 U	0.38 U	0.37 U	0.35 U	0.39 U
2-Methylnaphthalene	NA	0.45 U	0.44 U	0.36 U	0.35 U	0.38 U	0.44 U	0.37 U	0.38 U	0.37 U	0.38 U	0.37 U	0.38 U	0.37 U	0.35 U	0.39 U
2-Methylphenol	0.33	0.45 U	0.44 U	0.36 U	0.35 U	0.38 U	0.44 U	0.37 U	0.38 U	0.37 U	0.38 U	0.37 U	0.38 U	0.37 U	0.35 U	0.39 U
2-Nitroaniline	NA	0.92 U	0.90 U	0.72 U	0.71 U	0.77 U	0.88 U	0.76 U	0.76 U	0.75 U	0.78 U	0.75 U	0.77 U	0.76 U	0.72 U	0.79 U
2-Nitrophenol	NA	0.45 U	0.44 U	0.36 U	0.35 U	0.38 U	0.44 U	0.37 U	0.38 U	0.37 U	0.38 U	0.37 U	0.38 U	0.37 U	0.35 U	0.39 U
3,3'-Dichlorobenzidine	NA	0.92 U	0.90 U	0.72 U R	0.71 U R	0.77 U	0.88 U	0.76 U	0.76 U	0.75 U	0.78 U	0.75 U	0.77 U	0.76 U	0.72 U	0.79 U
3-Nitroaniline	NA	0.92 U	0.90 U	0.72 U	0.71 U	0.77 U	0.88 U	0.76 U	0.76 U	0.75 U	0.78 U	0.75 U	0.77 U	0.76 U	0.72 U	0.79 U
4,6-Dinitro-2-methylphenol	NA	1.4 U	1.3 U	1.1 U R	1.1 U R	1.2 U	1.3 U	1.1 U	1.1 U	1.1 U	1.2 U	1.1 U	1.2 U	1.1 U	1.1 U	1.2 U
4-Bromophenyl phenyl ether	NA	0.45 U	0.44 U	0.36 U	0.35 U	0.38 U	0.44 U	0.37 U	0.38 U	0.37 U	0.38 U	0.37 U	0.38 U	0.37 U	0.35 U	0.39 U
4-Chloro-3-methylphenol	NA	0.45 U	0.44 U	0.36 U	0.35 U	0.38 U	0.44 U	0.37 U	0.38 U	0.37 U	0.38 U	0.37 U	0.38 U	0.37 U	0.35 U	0.39 U
4-Chloroaniline	NA	0.45 U	0.44 U	0.36 U	0.35 U	0.38 U	0.44 U	0.37 U	0.38 U	0.37 U	0.38 U	0.37 U	0.38 U	0.37 U	0.35 U	0.39 U
4-Chlorophenyl phenyl ether	NA	0.45 U	0.44 U	0.36 U	0.35 U	0.38 U	0.44 U	0.37 U	0.38 U	0.37 U	0.38 U	0.37 U	0.38 U	0.37 U	0.35 U	0.39 U
4-Methylphenol	0.33	0.45 U	0.44 U	0.36 U	0.35 U	0.38 U	0.44 U	0.37 U	0.38 U	0.37 U	0.38 U	0.37 U	0.38 U	0.37 U	0.35 U	0.39 U
4-Nitroaniline	NA	0.92 U	0.90 U	0.72 U	0.71 U	0.77 U	0.88 U	0.76 U	0.76 U	0.75 U	0.78 U	0.75 U	0.77 U	0.76 U	0.72 U	0.79 U
4-Nitrophenol	NA	1.4 U	1.3 U	1.1 U	1.1 U	1.2 U	1.3 U	1.1 U	1.1 U	1.1 U	1.2 U	1.1 U	1.2 U	1.1 U	1.1 U	1.2 U
Acenaphthene	20	0.45 U	0.44 U	0.36 U	0.35 U	0.38 U	0.44 U	0.37 U	0.38 U	0.37 U	0.38 U	0.37 U	0.38 U	0.37 U	0.35 U	0.39 U
Acenaphthylene	100	0.45 U	0.44 U	0.36 U	0.35 U	0.38 U	0.44 U	0.37 U	0.38 U	0.37 U	0.38 U	0.37 U	0.38 U	0.37 U	0.35 U	0.39 U
Acetophenone	NA	0.017 J	0.017 J	0.36 U	0.35 U	0.38 U	0.44 U	0.37 U	0.38 U	0.37 U	0.38 U	0.37 U	0.38 U	0.37 U	0.35 U	0.39 U
Anthracene	100	0.45 U	0.44 U	0.36 U	0.35 U	0.38 U	0.44 U	0.37 U	0.38 U	0.37 U	0.38 U	0.37 U	0.38 U	0.37 U	0.35 U	0.39 U
Atrazine	NA	0.45 U	0.44 U	0.36 U	0.35 U	0.38 U	0.44 U	0.37 U	0.38 U	0.37 U	0.38 U	0.37 U	0.38 U	0.37 U	0.35 U	0.39 U
Benzaldehyde	NA	0.043 J	0.042 J	0.36 U	0.35 U	0.38 U	0.44 U	0.37 U	0.38 U	0.37 U	0.38 U	0.37 U	0.38 U	0.37 U	0.35 U	0.39 U
Benzo[a]anthracene	1	0.045 U	0.044 U	0.036 U	0.035 U	0.038 U	0.044 U	0.037 U	0.038 U	0.037 U	0.038 U	0.037 U	0.038 U	0.037 U	0.035 U	0.039 U
Benzo[a]pyrene	1	0.045 U	0.044 U	0.036 U	0.035 U	0.038 U *	0.044 U	0.037 U	0.038 U	0.037 U	0.038 U	0.037 U	0.038 U	0.037 U	0.035 U	0.039 U
Benzo[b]fluoranthene	1	0.0041 U	0.0040 U	0.036 U	0.035 U	0.038 U	0.044 U	0.037 U	0.038 U	0.037 U	0.038 U	0.037 U	0.038 U	0.037 U	0.035 U	0.039 U
Benzo[g,h,i]perylene	100	0.45 U	0.44 U	0.36 U	0.35 U	0.38 U	0.44 U	0.37 U	0.38 U	0.37 U	0.38 U	0.37 U	0.38 U	0.37 U	0.35 U	0.39 U
Benzo[k]fluoranthene	0.8	0.045 U	0.044 U	0.036 U	0.035 U	0.038 U *	0.044 U	0.037 U	0.038 U	0.037 U	0.038 U	0.037 U	0.038 U	0.037 U	0.035 U	0.039 U
Bis(2-chloroethoxy)methane	NA	0.45 U	0.44 U	0.36 U	0.35 U	0.38 U	0.44 U	0.37 U	0.38 U	0.37 U	0.38 U	0.37 U	0.38 U	0.37 U	0.35 U	0.39 U
Bis(2-chloroethyl)ether	NA	0.045 U	0.044 U	0.036 U	0.035 U	0.038 U	0.044 U	0.037 U	0.038 U	0.037 U	0.038 U	0.037 U	0.038 U	0.037 U	0.035 U	0.039 U
Bis(2-ethylhexyl) phthalate	NA	0.037 J	0.073 J	0.36 U	0.35 U	0.38 U	0.44 U	0.37 U	0.38 U	0.37 U	0.38 U	0.37 U	0.38 U	0.37 U	0.35 U	0.39 U
Butyl benzyl phthalate	NA	0.034 J	0.027 J	0.36 U	0.35 U	0.38 U	0.44 U	0.37 U	0.38 U	0.37 U	0.38 U	0.37 U	0.38 U	0.37 U	0.35 U	0.39 U
Caprolactam	NA	0.45 U	0.44 U	0.36 U	0.35 U	0.38 U	0.44 U	0.37 U	0.38 U	0.37 U	0.38 U	0.37 U	0.38 U	0.37 U	0.35 U	0.39 U
Carbazole	NA	0.45 U	0.44 U	0.36 U	0.35 U	0.38 U	0.44 U	0.37 U	0.38 U	0.37 U	0.38 U	0.37 U	0.38 U	0.37 U	0.35 U	0.39 U
Chrysene	1	0.45 U	0.44 U	0.36 U	0.35 U	0.38 U	0.44 U	0.37 U	0.38 U	0.37 U	0.38 U	0.37 U	0.38 U	0.37 U	0.35 U	0.39 U
Dibenz(a,h)anthracene	0.33	0.045 U	0.044 U	0.036 U	0.035 U	0.038 U	0.044 U	0.037 U	0.038 U	0.037 U	0.038 U	0.037 U	0.038 U	0.037 U	0.035 U	0.039 U
Dibenzofuran	7	0.45 U	0.44 U	0.36 U	0.35 U	0.38 U	0.44 U	0.37 U	0.38 U	0.37 U	0.38 U	0.37 U	0.38 U	0.37 U	0.35 U	0.39 U
Diethyl phthalate	NA	0.023 J B	0.021 J B	0.36 U	0.35 U	0.38 U	0.44 U	0.37 U	0.38 U	0.37 U	0.38					

Table 6-56
North Alleyway Area
Confirmatory, Port-Excavation TCL SVOC Soil Analytical Data

TCL SVOCs (mg/kg)	NYSDEC Unrestricted SCO	North Alleyway Area - Confirmatory Post-Excavation Soil Samples															
		Bottom Soil Samples															
		NA-EP#3 (14')	NA-EP#4 (14')	NA-EP#7 (15')	NA-EP#9 (12')	NA-EP#11 (12')	NA-EP#14 (12')	NA-EP#15 (12')	NA-EP#20 (10')	NA-EP#21 (10')	NA-EP#25 (8')	NA-EP#30 (12')	NA-EP#31 (12')	NA-EP#32 (12')	NA-EP#33 (12')	NA-EP#34 (12')	NA-EP#35 (12')
1,2,4,5-Tetrachlorobenzene	NA	0.39 U R	0.38 U R	0.37 U	0.38 U	0.38 U	0.37 U	0.38 U	0.41 U	0.38 U	0.41 U	0.35 U	0.35 U	0.37 U	0.36 U	0.36 U	0.43 U
1,4-Dioxane	0.1	0.39 U	0.38 U	0.37 U	0.38 U	0.38 U	0.37 U	0.38 U	0.41 U	0.38 U	0.41 U	0.35 U	0.35 U	0.37 U	0.36 U	0.36 U	0.43 U
2,2'-oxybis[1-chloropropane]	NA	0.39 U R	0.38 U R	0.37 U	0.38 U	0.38 U	0.37 U	0.38 U	0.41 U	0.38 U	0.41 U	0.35 U	0.35 U	0.37 U	0.36 U	0.36 U	0.43 U
2,3,4,6-Tetrachlorophenol	NA	0.39 U	0.38 U	0.37 U	0.38 U	0.38 U	0.37 U	0.38 U	0.41 U	0.38 U	0.41 U	0.35 U	0.35 U	0.37 U	0.36 U	0.36 U	0.43 U
2,4,5-Trichlorophenol	NA	0.39 U	0.38 U	0.37 U	0.38 U	0.38 U	0.37 U	0.38 U	0.41 U	0.38 U	0.41 U	0.35 U	0.35 U	0.37 U	0.36 U	0.36 U	0.43 U
2,4,6-Trichlorophenol	NA	0.39 U	0.38 U	0.37 U	0.38 U	0.38 U	0.37 U	0.38 U	0.41 U	0.38 U	0.41 U	0.35 U	0.35 U	0.37 U	0.36 U	0.36 U	0.43 U
2,4-Dichlorophenol	NA	0.39 U	0.38 U	0.37 U	0.38 U	0.38 U	0.37 U	0.38 U	0.41 U	0.38 U	0.41 U	0.35 U	0.35 U	0.37 U	0.36 U	0.36 U	0.43 U
2,4-Dimethylphenol	NA	0.39 U	0.38 U	0.37 U	0.38 U	0.38 U	0.37 U	0.38 U	0.41 U	0.38 U	0.41 U	0.35 U	0.35 U	0.37 U	0.36 U	0.36 U	0.43 U
2,4-Dinitrophenol	NA	1.2 U	1.1 U	1.1 U	1.2 U	1.2 U	1.1 U	1.1 U	1.2 U	1.1 U	1.2 U	1.1 U R	1.1 U R	1.1 U R	1.1 U R	1.1 U R	1.3 U R
2,4-Dinitrotoluene	NA	0.079 U	0.077 U	0.074 U	0.077 U	0.078 U	0.076 U	0.076 U	0.082 U	0.077 U	0.084 U	0.072 U	0.072 U	0.075 U	0.072 U	0.072 U	0.087 U
2,6-Dinitrotoluene	NA	0.079 U	0.077 U	0.074 U	0.077 U	0.078 U	0.076 U	0.076 U	0.082 U	0.077 U	0.084 U	0.072 U	0.072 U	0.075 U	0.072 U	0.072 U	0.087 U
2-Chloronaphthalene	NA	0.39 U	0.38 U	0.37 U	0.38 U	0.38 U	0.37 U	0.38 U	0.41 U	0.38 U	0.41 U	0.35 U	0.35 U	0.37 U	0.36 U	0.36 U	0.43 U
2-Chlorophenol	NA	0.39 U	0.38 U	0.37 U	0.38 U	0.38 U	0.37 U	0.38 U	0.41 U	0.38 U	0.41 U	0.35 U	0.35 U	0.37 U	0.36 U	0.36 U	0.43 U
2-Methylnaphthalene	NA	0.39 U	0.38 U	0.37 U	0.38 U	0.38 U	0.37 U	0.38 U	0.41 U	0.38 U	0.41 U	0.35 U	0.35 U	0.37 U	0.36 U	0.36 U	0.43 U
2-Methylphenol	0.33	0.39 U	0.38 U	0.37 U	0.38 U	0.38 U	0.37 U	0.38 U	0.41 U	0.38 U	0.41 U	0.35 U	0.35 U	0.37 U	0.36 U	0.36 U	0.43 U
2-Nitroaniline	NA	0.79 U R	0.77 U R	0.74 U	0.77 U	0.78 U	0.76 U	0.76 U	0.82 U	0.77 U	0.84 U	0.72 U	0.72 U	0.75 U	0.72 U	0.72 U	0.87 U
2-Nitrophenol	NA	0.39 U	0.38 U	0.37 U	0.38 U	0.38 U	0.37 U	0.38 U	0.41 U	0.38 U	0.41 U	0.35 U	0.35 U	0.37 U	0.36 U	0.36 U	0.43 U
3,3'-Dichlorobenzidine	NA	0.79 U	0.77 U	0.74 U	0.77 U	0.78 U	0.76 U	0.76 U	0.82 U	0.77 U	0.84 U	0.72 U R	0.72 U R	0.75 U R	0.72 U R	0.72 U R	0.87 U R
3-Nitroaniline	NA	0.79 U	0.77 U	0.74 U R	0.77 U	0.78 U	0.76 U	0.76 U	0.82 U	0.77 U	0.84 U	0.72 U	0.72 U	0.75 U	0.72 U	0.72 U	0.87 U
4,6-Dinitro-2-methylphenol	NA	1.2 U	1.1 U	1.1 U	1.2 U	1.2 U	1.1 U	1.1 U	1.2 U	1.1 U	1.2 U	1.1 U R	1.1 U R	1.1 U R	1.1 U R	1.1 U R	1.3 U R
4-Bromophenyl phenyl ether	NA	0.39 U	0.38 U	0.37 U	0.38 U	0.38 U	0.37 U	0.38 U	0.41 U	0.38 U	0.41 U	0.35 U	0.35 U	0.37 U	0.36 U	0.36 U	0.43 U
4-Chloro-3-methylphenol	NA	0.39 U	0.38 U	0.37 U	0.38 U	0.38 U	0.37 U	0.38 U	0.41 U	0.38 U	0.41 U	0.35 U	0.35 U	0.37 U	0.36 U	0.36 U	0.43 U
4-Chloroaniline	NA	0.39 U	0.38 U	0.37 U R	0.38 U	0.38 U	0.37 U	0.38 U	0.41 U	0.38 U	0.41 U	0.35 U	0.35 U	0.37 U	0.36 U	0.36 U	0.43 U
4-Chlorophenyl phenyl ether	NA	0.39 U	0.38 U	0.37 U	0.38 U	0.38 U	0.37 U	0.38 U	0.41 U	0.38 U	0.41 U	0.35 U	0.35 U	0.37 U	0.36 U	0.36 U	0.43 U
4-Methylphenol	0.33	0.39 U	0.38 U	0.37 U	0.38 U	0.38 U	0.37 U	0.38 U	0.41 U	0.38 U	0.41 U	0.35 U	0.35 U	0.37 U	0.36 U	0.36 U	0.43 U
4-Nitroaniline	NA	0.79 U	0.77 U	0.74 U	0.77 U	0.78 U	0.76 U	0.76 U	0.82 U	0.77 U	0.84 U	0.72 U	0.72 U	0.75 U	0.72 U	0.72 U	0.87 U
4-Nitrophenol	NA	1.2 U	1.1 U	1.1 U	1.2 U	1.2 U	1.1 U	1.1 U	1.2 U	1.1 U	1.2 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.3 U
Acenaphthene	20	0.39 U	0.38 U	0.37 U	0.38 U	0.38 U	0.37 U	0.38 U	0.41 U	0.38 U	0.41 U	0.35 U	0.35 U	0.37 U	0.36 U	0.36 U	0.43 U
Acenaphthylene	100	0.39 U	0.38 U	0.37 U	0.38 U	0.38 U	0.37 U	0.38 U	0.41 U	0.38 U	0.41 U	0.35 U	0.35 U	0.37 U	0.36 U	0.36 U	0.43 U
Acetophenone	NA	0.39 U	0.38 U	0.37 U	0.38 U	0.38 U	0.37 U	0.38 U	0.41 U	0.38 U	0.011 J	0.35 U	0.35 U	0.37 U	0.36 U	0.36 U	0.43 U
Anthracene	100	0.39 U	0.38 U	0.37 U	0.38 U	0.38 U	0.37 U	0.38 U	0.41 U	0.38 U	0.41 U	0.35 U	0.35 U	0.37 U	0.36 U	0.36 U	0.43 U
Atrazine	NA	0.39 U	0.38 U	0.37 U	0.38 U	0.38 U	0.37 U	0.38 U	0.41 U	0.38 U	0.41 U	0.35 U	0.35 U	0.37 U	0.36 U	0.36 U	0.43 U
Benzaldehyde	NA	0.39 U	0.38 U	0.37 U	0.38 U	0.38 U	0.37 U	0.38 U	0.41 U	0.38 U	0.038 J	0.35 U	0.35 U	0.37 U	0.36 U	0.36 U	0.43 U
Benzo[a]anthracene	1	0.039 U	0.038 U	0.037 U	0.038 U	0.038 U	0.037 U	0.038 U	0.041 U	0.038 U	0.041 U	0.035 U	0.035 U	0.037 U	0.036 U	0.036 U	0.043 U
Benzo[a]pyrene	1	0.039 U	0.038 U	0.037 U	0.038 U	0.038 U	0.037 U	0.038 U	0.041 U	0.038 U	0.041 U	0.035 U	0.035 U	0.037 U	0.036 U	0.036 U	0.043 U
Benzo[b]fluoranthene	1	0.039 U	0.038 U	0.037 U	0.038 U	0.038 U	0.037 U	0.038 U	0.041 U	0.038 U	0.0037 U	0.035 U	0.035 U	0.037 U	0.036 U	0.036 U	0.043 U
Benzo[g,h,i]perylene	100	0.39 U	0.38 U	0.37 U	0.38 U	0.38 U	0.37 U	0.38 U	0.41 U	0.38 U	0.41 U	0.35 U	0.35 U	0.37 U	0.36 U	0.36 U	0.43 U
Benzo[k]fluoranthene	0.8	0.039 U	0.038 U	0.037 U	0.038 U	0.038 U	0.037 U	0.038 U	0.041 U	0.038 U	0.041 U	0.035 U	0.035 U	0.037 U	0.036 U	0.036 U	0.043 U
Bis(2-chloroethoxy)methane	NA	0.39 U	0.38 U	0.37 U	0.38 U	0.38 U	0.37 U	0.38 U	0.41 U	0.38 U	0.41 U	0.35 U	0.35 U	0.37 U	0.36 U	0.36 U	0.43 U
Bis(2-chloroethyl)ether	NA	0.039 U	0.038 U	0.037 U	0.038 U	0.038 U	0.037 U	0.038 U	0.041 U	0.038 U	0.041 U	0.035 U	0.035 U	0.037 U	0.036 U	0.036 U	0.043 U
Bis(2-ethylhexyl) phthalate	NA	0.39 U	0.38 U	0.37 U	0.38 U	0.38 U	0.37 U	0.38 U	0.41 U	0.38 U	0.034 J	0.35 U	0.35 U	0.37 U	0.36 U	0.36 U	0.43 U
Butyl benzyl phthalate	NA	0.39 U	0.38 U	0.37 U	0.38 U	0.38 U	0.37 U	0.38 U	0.41 U	0.38 U	0.024 J	0.35 U	0.35 U	0.37 U	0.36 U	0.36 U	0.43 U
Caprolactam	NA	0.39 U	0.38 U	0.37 U	0.38 U	0.38 U	0.37 U	0.38 U	0.41 U	0.38 U	0.41 U	0.35 U	0.35 U	0.37 U	0.36 U	0.36 U	0.43 U
Carbazole	NA	0.39 U	0.38 U	0.37 U	0.38 U	0.38 U	0.37 U	0.38 U	0.41 U	0.38 U	0.41 U	0.35 U	0.3				

Table 6-56
North Alleyway Area
Confirmatory, Port-Excavation TCL SVOC Soil Analytical Data

TCL SVOCs (mg/kg)	NYSDEC Unrestricted SCO	North Alleyway Area - Confirmatory Post-Excavation Soil Samples																
		Bottom Soil Samples																
		NA-EP#36 (12')	NA-EP#37 (12')	NA-EP#39 (12')	NA-EP#42 (12')	NA-EP#43 (12')	NA-EP#44 (12')	NA-EP#46 (12')	NA-EP#48 (12')	NA-EP#50 (12')	NA-EP#51 (12')	NA-EP#52 (12')	NA-EP#53 (12')	NA-EP#54 (12')	NA-EP#55 (12')	NA-EP#56 (12')	NA-EP#57 (12')	NA-EP#60 (12')
1,2,4,5-Tetrachlorobenzene	NA	0.41 U	0.38 U	0.37 U	0.36 U	0.43 U	0.41 U	0.38 U	0.39 U	0.37 U	0.36 U	0.36 U	0.38 U	0.36 U	0.36 U	0.39 U	0.40 U	0.41 U
1,4-Dioxane	0.1	0.41 U	0.38 U	0.37 U	0.36 U	0.43 U	0.41 U	0.38 U	0.39 U	0.37 U	0.36 U	0.36 U	0.38 U	0.36 U	0.36 U	0.39 U	0.40 U	0.41 U
2,2'-oxybis[1-chloropropane]	NA	0.41 U	0.38 U	0.37 U	0.36 U	0.43 U	0.41 U	0.38 U	0.39 U	0.37 U	0.36 U	0.36 U	0.38 U	0.36 U	0.36 U	0.39 U	0.40 U	0.41 U
2,3,4,6-Tetrachlorophenol	NA	0.41 U	0.38 U	0.37 U	0.36 U	0.43 U	0.41 U	0.38 U	0.39 U	0.37 U	0.36 U	0.36 U	0.38 U	0.36 U	0.36 U	0.39 U	0.40 U	0.41 U
2,4,5-Trichlorophenol	NA	0.41 U	0.38 U	0.37 U	0.36 U	0.43 U	0.41 U	0.38 U	0.39 U	0.37 U	0.36 U	0.36 U	0.38 U	0.36 U	0.36 U	0.39 U	0.40 U	0.41 U
2,4,6-Trichlorophenol	NA	0.41 U	0.38 U	0.37 U	0.36 U	0.43 U	0.41 U	0.38 U	0.39 U	0.37 U	0.36 U	0.36 U	0.38 U	0.36 U	0.36 U	0.39 U	0.40 U	0.41 U
2,4-Dichlorophenol	NA	0.41 U	0.38 U	0.37 U	0.36 U	0.43 U	0.41 U	0.38 U	0.39 U	0.37 U	0.36 U	0.36 U	0.38 U	0.36 U	0.36 U	0.39 U	0.40 U	0.41 U
2,4-Dimethylphenol	NA	0.41 U	0.38 U	0.37 U	0.36 U	0.43 U	0.41 U	0.38 U	0.39 U	0.37 U	0.36 U	0.36 U	0.38 U	0.36 U	0.36 U	0.39 U	0.40 U	0.41 U
2,4-Dinitrophenol	NA	1.2 U	1.2 U	1.1 U	1.1 U	1.3 U	1.2 U	1.2 U	1.2 U	1.1 U	1.1 U	1.1 U	1.2 U	1.1 U	1.1 U	1.2 U	1.2 U	1.2 U
2,4-Dinitrotoluene	NA	0.083 U	0.077 U	0.075 U	0.074 U	0.087 U	0.083 U	0.078 U	0.079 U	0.074 U	0.072 U	0.073 U	0.077 U	0.073 U	0.074 U	0.079 U	0.081 U	0.082 U
2,6-Dinitrotoluene	NA	0.083 U	0.077 U	0.075 U	0.074 U	0.087 U	0.083 U	0.078 U	0.079 U	0.074 U	0.072 U	0.073 U	0.077 U	0.073 U	0.074 U	0.079 U	0.081 U	0.082 U
2-Chloronaphthalene	NA	0.41 U	0.38 U	0.37 U	0.36 U	0.43 U	0.41 U	0.38 U	0.39 U	0.37 U	0.36 U	0.36 U	0.38 U	0.36 U	0.36 U	0.39 U	0.40 U	0.41 U
2-Chlorophenol	NA	0.41 U	0.38 U	0.37 U	0.36 U	0.43 U	0.41 U	0.38 U	0.39 U	0.37 U	0.36 U	0.36 U	0.38 U	0.36 U	0.36 U	0.39 U	0.40 U	0.41 U
2-Methylnaphthalene	NA	0.41 U	0.38 U	0.37 U	0.36 U	0.43 U	0.41 U	0.38 U	0.39 U	0.37 U	0.36 U	0.36 U	0.38 U	0.36 U	0.36 U	0.39 U	0.40 U	0.41 U
2-Methylphenol	0.33	0.41 U	0.38 U	0.37 U	0.36 U	0.43 U	0.41 U	0.38 U	0.39 U	0.37 U	0.36 U	0.36 U	0.38 U	0.36 U	0.36 U	0.39 U	0.40 U	0.41 U
2-Nitroaniline	NA	0.83 U	0.77 U	0.75 U	0.74 U	0.87 U	0.83 U	0.78 U	0.79 U	0.74 U	0.72 U	0.73 U	0.77 U	0.73 U	0.74 U	0.79 U	0.81 U	0.82 U
2-Nitrophenol	NA	0.41 U	0.38 U	0.37 U	0.36 U	0.43 U	0.41 U	0.38 U	0.39 U	0.37 U	0.36 U	0.36 U	0.38 U	0.36 U	0.36 U	0.39 U	0.40 U	0.41 U
3,3'-Dichlorobenzidine	NA	0.83 U	0.77 U	0.75 U	0.74 U	0.87 U	0.83 U	0.78 U	0.79 U	0.74 U	0.72 U	0.73 U	0.77 U	0.73 U	0.74 U	0.79 U	0.81 U	0.82 U
3-Nitroaniline	NA	0.83 U	0.77 U	0.75 U	0.74 U	0.87 U	0.83 U	0.78 U	0.79 U	0.74 U	0.72 U	0.73 U	0.77 U	0.73 U	0.74 U	0.79 U	0.81 U	0.82 U
4,6-Dinitro-2-methylphenol	NA	1.2 U	1.2 U	1.1 U	1.1 U	1.3 U	1.2 U	1.2 U	1.2 U	1.1 U	1.1 U	1.1 U	1.2 U	1.1 U	1.1 U	1.2 U	1.2 U	1.2 U
4-Bromophenyl phenyl ether	NA	0.41 U	0.38 U	0.37 U	0.36 U	0.43 U	0.41 U	0.38 U	0.39 U	0.37 U	0.36 U	0.36 U	0.38 U	0.36 U	0.36 U	0.39 U	0.40 U	0.41 U
4-Chloro-3-methylphenol	NA	0.41 U	0.38 U	0.37 U	0.36 U	0.43 U	0.41 U	0.38 U	0.39 U	0.37 U	0.36 U	0.36 U	0.38 U	0.36 U	0.36 U	0.39 U	0.40 U	0.41 U
4-Chloroaniline	NA	0.41 U	0.38 U	0.37 U	0.36 U	0.43 U	0.41 U	0.38 U	0.39 U	0.37 U	0.36 U	0.36 U	0.38 U	0.36 U	0.36 U	0.39 U	0.40 U	0.41 U
4-Chlorophenyl phenyl ether	NA	0.41 U	0.38 U	0.37 U	0.36 U	0.43 U	0.41 U	0.38 U	0.39 U	0.37 U	0.36 U	0.36 U	0.38 U	0.36 U	0.36 U	0.39 U	0.40 U	0.41 U
4-Methylphenol	0.33	0.41 U	0.38 U	0.37 U	0.36 U	0.43 U	0.41 U	0.38 U	0.39 U	0.37 U	0.36 U	0.36 U	0.38 U	0.36 U	0.36 U	0.39 U	0.40 U	0.41 U
4-Nitroaniline	NA	0.83 U	0.77 U	0.75 U	0.74 U	0.87 U	0.83 U	0.78 U	0.79 U	0.74 U	0.72 U	0.73 U	0.77 U	0.73 U	0.74 U	0.79 U	0.81 U	0.82 U
4-Nitrophenol	NA	1.2 U	1.2 U	1.1 U	1.1 U	1.3 U	1.2 U	1.2 U	1.2 U	1.1 U	1.1 U	1.1 U	1.2 U	1.1 U	1.1 U	1.2 U	1.2 U	1.2 U
Acenaphthene	20	0.41 U	0.38 U	0.37 U	0.36 U	0.43 U	0.41 U	0.38 U	0.39 U	0.37 U	0.36 U	0.36 U	0.38 U	0.36 U	0.36 U	0.39 U	0.40 U	0.41 U
Acenaphthylene	100	0.41 U	0.38 U	0.37 U	0.36 U	0.43 U	0.41 U	0.38 U	0.39 U	0.37 U	0.36 U	0.36 U	0.38 U	0.36 U	0.36 U	0.39 U	0.40 U	0.41 U
Acetophenone	NA	0.41 U	0.38 U	0.37 U	0.36 U	0.43 U	0.41 U	0.38 U	0.39 U	0.37 U	0.36 U	0.36 U	0.38 U	0.36 U	0.36 U	0.39 U	0.40 U	0.41 U
Anthracene	100	0.41 U	0.38 U	0.37 U	0.36 U	0.43 U	0.41 U	0.38 U	0.39 U	0.37 U	0.36 U	0.36 U	0.38 U	0.36 U	0.36 U	0.39 U	0.40 U	0.41 U
Atrazine	NA	0.41 U	0.38 U	0.37 U	0.36 U	0.43 U	0.41 U	0.38 U	0.39 U	0.37 U	0.36 U	0.36 U	0.38 U	0.36 U	0.36 U	0.39 U	0.40 U	0.41 U
Benzaldehyde	NA	0.41 U	0.38 U	0.37 U	0.36 U	0.43 U	0.41 U	0.38 U	0.39 U	0.37 U	0.36 U	0.36 U	0.38 U	0.36 U	0.36 U	0.39 U	0.40 U	0.41 U
Benzo[a]anthracene	1	0.041 U	0.038 U	0.037 U	0.036 U	0.043 U	0.041 U	0.038 U	0.039 U	0.037 U	0.036 U	0.036 U	0.038 U	0.036 U	0.036 U	0.039 U	0.040 U	0.041 U
Benzo[a]pyrene	1	0.041 U	0.038 U	0.037 U	0.036 U	0.043 U	0.041 U	0.0099 J	0.039 U	0.037 U	0.036 U	0.036 U	0.038 U	0.036 U	0.036 U	0.039 U	0.040 U	0.041 U
Benzo[b]fluoranthene	1	0.041 U	0.038 U	0.037 U	0.036 U	0.043 U	0.041 U	0.0078 J	0.039 U	0.037 U	0.036 U	0.036 U	0.038 U	0.036 U	0.036 U	0.039 U	0.040 U	0.041 U
Benzo[g,h,i]perylene	100	0.41 U	0.38 U	0.37 U	0.36 U	0.43 U	0.41 U	0.38 U	0.39 U	0.37 U	0.36 U	0.36 U	0.38 U	0.36 U	0.36 U	0.39 U	0.40 U	0.41 U
Benzo[k]fluoranthene	0.8	0.041 U	0.038 U	0.037 U	0.036 U	0.043 U	0.041 U	0.013 J	0.039 U	0.037 U	0.036 U	0.036 U	0.038 U	0.036 U	0.036 U	0.039 U	0.040 U	0.041 U
Bis(2-chloroethoxy)methane	NA	0.41 U	0.38 U	0.37 U	0.36 U	0.43 U	0.41 U	0.38 U	0.39 U	0.37 U	0.36 U	0.36 U	0.38 U	0.36 U	0.36 U	0.39 U	0.40 U	0.41 U
Bis(2-chloroethyl)ether	NA	0.041 U	0.038 U	0.037 U	0.036 U	0.043 U	0.041 U	0.038 U	0.039 U	0.037 U	0.036 U	0.036 U	0.038 U	0.036 U	0.036 U	0.039 U	0.040 U	0.041 U
Bis(2-ethylhexyl) phthalate	NA	0.41 U	0.38 U	0.37 U	0.36 U	0.43 U	0.41 U	0.38 U	0.39 U	0.37 U	0.36 U	0.36 U	0.38 U	0.36 U	0.36 U	0.39 U	0.40 U	0.41 U
Butyl benzyl phthalate	NA	0.41 U	0.38 U	0.37 U	0.36 U	0.43 U	0.41 U	0.38 U	0.39 U	0.37 U	0.36 U	0.36 U	0.38 U	0.36 U	0.36 U	0.39 U	0.40 U	0.41 U
Caprolactam	NA	0.41 U	0.38 U	0.37 U	0.36 U	0.43 U	0.41 U	0.38 U										

Table 6-57
North Alleyway Area
Confirmatory, Port-Excavation TAL Metals Soil Analytical Data

	NYSDEC SCOs					North Alleyway Area - Confirmatory Post-Excavation Soil Samples																	
						Sidewall Soil Samples																	
TAL Metals (mg/kg)	NYSDEC Unrestricted SCO	Residential	Restricted Residential	Commercial	Protection of Groundwater	NA-EP#1 (8')	NA-EP#2 (8')	NA-EP#5 (8')	NA-EP#6 (8')	NA-EP#8 (8')	NA-EP#10 (8')	NA-EP#12 (8')	NA-EP#13 (12')	NA-EP#16 (4')	NA-EP#17 (8')	NA-EP#18 (4')	NA-EP#19 (8')	NA-EP#22 (4')	NA-EP#23 (8')	NA-EP#24 (8')	NA-EP#26 (8')	NA-EP#27 (8')	NA-EP#28 (8')
Aluminum	NA	NA	NA	NA	NA	1,600	1,440	1,170	1,070	2,850	1,680	1,780	1,050	6,260	3,450	6,110	3,060	2,850	870	979	4,540	13,800	2,270
Antimony	NA	NA	NA	NA	NA	3.8 U	4.2 U	4.4 U	3.8 U	3.6 U	4.2 U	3.5 U	4.0 U	4.1 U	4.1 U	4.0 U	3.6 U	3.7 U	4.3 U	4.1 U	5.5 U	4.8 U	4.0 U
Arsenic	13	16	16	16	16	2.8 U	3.2 U	0.93 J	0.87 J	2.4 J	0.81 J	2.6 U	1.3 J	1.5 J	2.7 J	1.3 J	1.5 J	6.0	2.2 J	1.0 J	1.7 J	5.0	3.1
Barium	350	350	400	400	820	6.7 J	8.7 J	8.0 J	8.2 J	51.2	7.9 J	7.1 J	6.7 J	24.8 J	73.6	31.1 J	28.9 J	24.7 J	192	7.4 J	26.0 J	109	20.6 J
Beryllium	7.2	14	72	590	47	0.38 U	0.42 U	0.44 U	0.38 U	0.36 U	0.42 U	0.35 U	0.40 U	0.40 J	0.36 J	0.36 J	0.31 J	0.37	0.13 J	0.41 U	0.40 J	0.98	0.22 J
Cadmium	2.5	2.5	4.3	9.3	7.5	0.76 U	0.84 U	0.89 U	0.77 U	0.73 U	0.84 U	0.70 U	35.9	0.82 U	0.82 U	0.80 U	0.72 U	0.74 U	0.85 U	16.4	1.1 U	0.96 U	0.79 U
Calcium	NA	NA	NA	NA	NA	210 J	196 J	232 J	179 J	473 J	165 J	164 J	174 J	416 J	582 J	534 J	170 J	166 J	105 J	232 J	967 J	2,140	217 J
Chromium ¹	30	36	180	1,500	NS	4.1	4.5	6.3	3.4	7.0	3.9	5.2	2.6	9.7	6.0	11.9	6.1	7.8	2.5	3.1	10.6	26.4	5.0
Cobalt	NA	NA	NA	NA	NA	0.91 J	1.3 J	1.0 J	1.4 J	3.0 J	2.1 J	0.76 J	1.9 J	4.0 J	11.8	4.2 J	4.7 J	2.5 J	2.0 J	10.4 U	5.0 J	12.7	3.1 J
Copper	50	270	270	270	1,720	2.8 J	2.6 J	3.3 J	2.6 J	5.3	2.1 J	1.9 J	2.5 J	5.5	6.6	5.6	6.8	4.7	3.0 J	1.7 J	20.5	6.8	
Iron	NA	NA	NA	NA	NA	3,830	2,870	3,730	4,530	7,420	6,100	3,090	6,700	8,680	9,140	9,420	9,850	16,300	11,200	4,100	11,400	25,300	14,200
Lead	63	400	400	1,000	450	1.1 J	3.7	2.3	1.6 J	14.2	1.6 J	0.97 J	1.0 J	4.8	10.8	19.8	2.7	2.5	2.1 U	1.5 J	4.5	9.7	3.0
Magnesium	NA	NA	NA	NA	NA	829 J	631 J	652 J	425 J	814 J	555 J	588 J	319 J	1,320	944 J	1,520	740 J	398 J	191 J	323 J	1,430	4,720	706 J
Manganese	1,600	2,000	2,000	10,000	2,000	30.3	23.4	35.4	29.6	1,820	113	24.1	74.4	165	778	203	198	1,040	564	24.9	130	583	309
Nickel	30	140	310	310	130	2.4 J	2.3 J	2.2 J	2.8 J	5.1 J	2.8 J	1.8 J	2.9 J	7.4 J	6.0 J	7.9 J	6.9 J	3.5 J	4.7 J	1.7 J	7.9 J	23.3	6.5 J
Potassium	NA	NA	NA	NA	NA	456 J	487 J	456 J	378 J	446 J	232 J	173 J	213 J	592 J	409 J	794 J	306 J	253 J	147 J	236 J	840 J	2,680	470 J
Selenium	3.9	36	180	1,500	4	3.8 U	4.2 U	4.4 U	3.8 U	3.6 U	4.2 U	3.5 U	4.0 U	4.1 U	4.1 U	4.0 U	3.6 U	3.7 U	4.3 U	4.1 U	5.5 U	4.8 U	4.0 U
Silver	2	36	180	1,500	8.3	1.9 U	2.1 U	2.2 U	1.9 U	1.8 U	2.1 U	1.7 U	2.0 U	2.1 U	2.0 U	2.0 U	1.8 U	1.8 U	2.1 U	2.1 U	2.4 U	2.0 U	
Sodium	NA	NA	NA	NA	NA	948 U	1,060 U	1,110 U	958 U	908 U	1,050 U	872 U	1,000 U	1,030 U	1,020 U	994 U	901 U	921 U	1,060 U	1,040 U	1,380 U	1,200 U	991 U
Thallium	NA	NA	NA	NA	NA	3.8 U	4.2 U	4.4 U	3.8 U	1.7 J	4.2 U	3.5 U	4.0 U	4.1 U	4.1 U	4.0 U	3.6 U	3.7 U	4.3 U	4.1 U	5.5 U	4.8 U	4.0 U
Vanadium	NA	NA	NA	NA	NA	4.0 J	4.7 J	5.8 J	3.9 J	7.5 J	3.9 J	3.3 J	3.7 J	10.7	9.7 J	11.5	7.2 J	6.9 J	2.7 J	4.3 J	14.7	36.1	6.2 J
Zinc	109	2,200	10,000	10,000	2,480	6.9	6.0 J	5.6 J	6.0	28.7	7.5	6.1	8.0	16.0	11.5	20.5	11.8	8.1	9.8	5.0 J	5.8 J	59.6	12.4
Mercury	0.18	0.81	0.81	2.8	0.73	0.017 U	0.018 U	0.020 U	0.017 U	0.019 U	0.019 U	0.017 U	0.020 U	0.017 U	0.019 U	0.019 U	0.018 U	0.018 U	0.019 U	0.017 U	0.023 U	0.016 J	0.017 U

	NYSDEC SCOs					North Alleyway Area - Confirmatory Post-Excavation Soil Samples																	
						Sidewall Soil Samples																	
TAL Metals (mg/kg)	NYSDEC Unrestricted SCO	Residential	Restricted Residential	Commercial	Protection of Groundwater	NA-EP#29 (8')	NA-EP#38 (12')	NA-EP#40 (12')	NA-EP#41 (8')	NA-EP#45 (12')	NA-EP#47 (12')	NA-EP#49 (12')	NA-EP#58 (8')	NA-EP#59 (8')	NA-EP#61 (8')	NA-EP#62 (8')	NA-EP#63 (8')	NA-EP#64 (12')	NA-EP#65 (12')	NA-EP#66 (12')	NA-EP#74 (12')	NA-EP#75 (12')	NA-EP#76 (12')
Aluminum	NA	NA	NA	NA	NA	1,720	2,270	2,290	1,480	4,730	1,490	2,050	3,600	1,400	1,430	1,700	1,220	664	840	1,240	739	828	894
Antimony	NA	NA	NA	NA	NA	3.2 U	3.8 U	4.7 U	3.0 U	3.8 U	4.0 U	3.8 U	3.3 U	3.8 U	3.8 U	4.0 U	3.5 U	4.2 U	4.3 U	4.2 U	4.2 U	4.6 U	4.1 U
Arsenic	13	16	16	16	16	0.77 J	7.2	3.0 J	2.3 U	1.3 J	4.6	1.1 J	2.0 J	1.2 J	0.87 J	3.0 U	2.6 U	1.1 J	3.2 U	1.1 J	1.3 J	1.9 J	0.62 J
Barium	350	350	400	400	820	16.3 J	30.3 J	109	10.2 J	19.9 J	16.6 J	16.8 J	52.6	19.4 J	9.2 J	11.6 J	7.2 J	23.0 J	6.1 J	9.2 J	4.7 J	6.6 J	5.6 J
Beryllium	7.2	14	72	590	47	0.12 J	0.19 J	0.15 J	0.30 U	0.30 J	0.14 J	0.18 J	0.53	0.38 U	0.38 U	0.40 U	0.35 U	0.066 J	0.098 J	0.13 J	0.13 J	0.053 J	0.059 J
Cadmium	2.5	2.5	4.3	9.3	7.5	0.65 U	0.76 U	0.94 U	0.61 U	0.77 U	0.79 U	0.76 U	0.65 U	0.77 U	0.75 U	0.80 U	0.70 U	3.5	11.3	36.8	50.1	17.6	0.83 U
Calcium	NA	NA	NA	NA	NA	75.3 J	181 J	302 J	272 J	252 J	109 J	126 J	401 J	267 J	106 J	124 J	152 J	132 J	162 J	282 J	302 J	237 J	133 J
Chromium ¹	30	36	180	1,500	NS	3.3	5.8	6.0	3.5	8.8	3.2	5.8	8.2	2.7	3.2	4.2	2.9	2.7	2.6	5.2	2.1	9.6	1.8 J
Cobalt	NA	NA	NA	NA	NA	1.2 J	4.8 J	3.6 J	1.9 J	3.9 J	2.3 J	4.1 J	12.0	1.5 J	1.3 J	2.7 J	1.4 J	0.99 J	0.85 J	1.7 J	1.3 J	0.78 J	0.88 J
Copper	50	270	270	270	1,720	3.0 J	3.4 J	2.9 J	3.1 J	5.0	3.3 J	4.3 J	13.7	3.2 J	2.2 J	2.5 J	2.2 J	1.6 J	1.8 J	3.4 J	2.1 J	2.6 J	1.8 J
Iron	NA	NA	NA	NA	NA	2,780	16,200	16,300	2,290	10,800	11,100	7,170	15,700	4,780	3,100	5,800	5,690	4,490	5,760	7,180	8,120	4,300	4,540
Lead	63	400	400	1,000	450	1.5 J	2.9	2.6	1.4 J	3.4	1.6 J	1.4 J	4.8	1.5 J	1.7 J	1.9 J	1.2 J	1.1 J	1.3 J	1.8 J	1.3 J	1.2 J	1.1 J
Magnesium	NA	NA	NA	NA	NA	290 J	607 J	897 J	536 J	1,170	401 J	901 J	851	373 J	402 J	602 J	417 J	184 J	265 J	448 J	256 J B	310 J B	168 J B
Manganese	1,600	2,000	2,000	10,000	2,000	18.2	552	1,990	47.2	94.6	81.1	122	1,240	1,400	60.0	113	109	118	70.9	70.8	44.9	27.7	48.5
Nickel	30	140	310	310	130	2.3 J	3.2 J	7.0 J	3.4 J	7.6 J	2.8 J	5.0 J	19.6	3.9 J	2.4 J	4.5 J	3.0 J	3.3 J B	2.4 J B	3.5 J B	3.9 J	1.9 J	1.9 J
Potassium	NA	NA	NA	NA	NA	230 J	436 J	698 J	224 J	433 J	240 J	419 J	561 J	214 J	234 J	339 J	307 J	138 J	208 J	256 J	198 J	241 J	111 J
Selenium	3.9	36	180	1,500	4	3.2 U	3.8 U	4.7 U	3.0 U	3.8 U	4.0 U	3.8 U	3.3 U	3.8 U	3.8 U	4.0 U	3.5 U	4.2 U	4.3 U	4.2 U	4.2 U	4.6 U	4.1 U
Silver	2	36	180	1,500	8.3	1.6 U	1.9 U	2.4 U	1.5 U	1.9 U	2.0 U	1.9 U	1.6 U	1.9 U	1.9 U	2.0 U	1.8 U	2.1 U	2.1 U	2.1 U	2.3 U	2.1 U	
Sodium	NA	NA	NA	NA	NA	811 U	950 U	1,180 U	760 U	957 U	992 U	953 U	814 U	960 U	941 U	996 U	881 U	1,060 U	1,070 U	1,050 U	1,060 U	1,160 U	1,030 U
Thallium	NA	NA	NA	NA	NA	3.2 U	3.8 U	1.4 J	3.0 U	3.8 U	4.0 U	3.8 U	3.3 U	3.8 U	3.8 U	4.0 U	3.5 U	4.2 U	4.3 U	4.2 U	4.2 U	4.6 U	4.1 U
Vanadium	NA	NA	NA	NA	NA	2.9 J	6.1 J	6.5 J	3.0 J	11.9	3.8 J	7.1 J	14.3	3.4 J	3.7 J	5.4 J	3.8 J	2.5 J	3.3 J	4.9 J	7.0 J	4.5 J	2.4 J
Zinc	109	2,200	10,000	10,000	2,480	5.0	10.8	12.8	6.3	13.7	5.9 J	8.9	17.5	6.0	4.5 J	7.7	4.9 J	4.0 J	5.9 J	21.7	5.8 J	9.5	4.0 J
Mercury	0.18	0.81	0.81	2.8	0.73	0.017 U	0.019 U	0.022 U	0.019 U	0.019 U	0.017 U	0.018 U	0.019 U	0.020 U	0.019 U	0.018 U	0.020 U	0.020 U	0.019 U	0.019 U	0.020 U	0.018 U	0.019 U

TAL Metals (mg/kg)	NYSDEC SCOs					North Alleyway Area - Confirmatory Post-Excavation Soil Samples					
	NYSDEC Unrestricted SCO	Residential	Restricted Residential	Commercial	Protection of Groundwater	Sidewall Soil Samples					
						NA-EP#80 (12')	NA-EP#81 (12')	NA-EP#82 (15')	NA-EP#83 (12')	NA-EP#84 (12')	NA-EP#85 (12')
Aluminum	NA	NA	NA	NA	NA	3,470	846	872	1,160	806	1,100
Antimony	NA	NA	NA	NA	NA	4.8 U	4.0 U	5.1 U	5.0 U	4.3 U	4.4 U
Arsenic	13	16	16	16	16	8.5	3.0 U	3.8 U	3.7 U	3.2 U	3.3 U
Barium	350	350	400	400	820	73.4	5.9 J	6.6 J	13.8 J	5.5 J	12.3 J
Beryllium	7.2	14	72	590	47	0.48 U	0.40 U	0.51 U	0.50 U	0.43 U	0.44 U
Cadmium	2.5	2.5	4.3	9.3	7.5	1.4	0.83	5.8	0.75 J	3.9	5.1
Calcium	NA	NA	NA	NA	NA	420 J	172 J	155 J	289 J	106 J	373 J
Chromium†	30	36	180	1,500	NS	9.3	2.4	2.6	3.4	3.0	7.1
Cobalt	NA	NA	NA	NA	NA	2.8 J	0.99 J	12.7 U	12.5 U	10.8 U	1.4 J
Copper	50	270	270	270	1,720	6.3	5.0 U	6.3 U	6.2 U	5.4 U	2.2 J
Iron	NA	NA	NA	NA	NA	8,060	3,080	3,830	3,700	2,690	4,420
Lead	63	400	400	1,000	450	240	1.1 J	1.9 J	1.3 J	1.0 J	1.1 J
Magnesium	NA	NA	NA	NA	NA	734 J	306 J	273 J	391 J	317 J	362 J
Manganese	1,600	2,000	2,000	10,000	2,000	311	19.2	21.7	28.0	17.9	29.2
Nickel	30	140	310	310	130	5.4 J	7.9 U	10.1 U	10.0 U	8.6 U	3.0 J
Potassium	NA	NA	NA	NA	NA	480 J	252 J	151 J	296 J	161 J	379 J
Selenium	3.9	36	180	1,500	4	4.8 U	4.0 U	5.1 U	5.0 U	4.3 U	4.4 U
Silver	2	36	180	1,500	8.3	2.4 U	2.0 U	2.5 U	2.5 U	2.2 U	2.2 U
Sodium	NA	NA	NA	NA	NA	1,190 U	990 U	1,270 U	1,250 U	1,080 U	1,100 U
Thallium	NA	NA	NA	NA	NA	4.8 U	4.0 U	5.1 U	5.0 U	4.3 U	4.4 U
Vanadium	NA	NA	NA	NA	NA	7.7 J	3.7 J	3.4 J	4.2 J	3.0 J	4.8 J
Zinc	109	2,200	10,000	10,000	2,480	32.8	5.3 J	6.9 J	6.3 J	5.5 J	7.0
Mercury	0.18	0.81	0.81	2.8	0.73	0.029	0.019 U	0.022 U	0.019 U	0.018 U	0.018 U

Table 6-57
North Alleyway Area
Confirmatory, Port-Excavation TAL Metals Soil Analytical Data

TAL Metals (mg/kg)	NYSDEC SCOs					North Alleyway Area - Confirmatory Post-Excavation Soil Samples																							
	Unrestricted SCO	Residential	Restricted Residential	Commercial	Protection of Groundwater	Bottom Soil Samples																							
						NA-EP#3	NA-EP#4	NA-EP#7	NA-EP#9	NA-EP#11	NA-EP#14	NA-EP#15	NA-EP#20	NA-EP#21	NA-EP#25	NA-EP#30	NA-EP#31	NA-EP#32	NA-EP#33	NA-EP#34	NA-EP#35	NA-EP#36	NA-EP#37	NA-EP#39	NA-EP#42	NA-EP#43			
						(14')	(14')	(15')	(12')	(12')	(12')	(12')	(10')	(10')	(6')	(12')	(12')	(12')	(12')	(12')	(12')	(12')	(12')	(12')	(12')	(12')	(12')		
Aluminum	NA	NA	NA	NA	NA	962	876	856	1,750	983	481	1,120	1,050	937	2,480	1,170	1,010	1,240	1,650	876	1,590	1,970	1,280	1,300	1,170	1,050			
Antimony	NA	NA	NA	NA	NA	4.5 U	4.5 U	3.7 U	3.5 U	3.8 U	4.1 U	3.9 U	4.4 U	4.2 U	5.0 U	3.6 U	3.5 U	3.4 U	3.7 U	3.3 U	4.6 U	4.4 U	4.2 U	4.0 U	4.1 U	1.6 U			
Arsenic	13	16	16	16	16	3.4 U	3.3 U	2.1 J	0.92 J	0.66 J	0.81 J	0.74 J	3.3 U	2.5 J	3.7 U	2.7 U	0.58 J	0.50 J	2.8 U	2.5 U	3.4 U	3.3 U	1.7 J	3.1 U	3.5 U				
Barium	350	350	400	400	820	6.8 J	5.4 J	5.9 J	13.9 J	8.3 J	4.7 J	9.2 J	10.5 J	11.9 J	24.1 J	6.0 J	5.6 J	5.1 J	18.1 J	5.6 J	10.9 J	15.8 J	10.8 J	14.9 J	7.2 J	3.3 U			
Beryllium	7.2	14	72	590	47	0.45 U	0.45 U	0.12 J	0.35 U	0.38 U	0.41 U	0.39 U	0.44 U	0.42 U	0.73 J	0.36 U	0.35 U	0.34 U	0.37 U	0.33 U	0.46 U	0.14 J	0.42 U	0.40 U	0.41 U	0.46 U			
Cadmium	2.5	2.5	4.3	9.3	7.5	0.90 U	0.89 U	0.74 U	0.13 J	0.77 U	0.17 J	18.3	27.5	0.83 U	3.6	0.73 U	0.70 U	0.69 U	0.74 U	0.66 U	0.91 U	0.89 U	0.83 U	0.80 U	0.81 U	0.92 U			
Calcium	NA	NA	NA	NA	NA	365 J	198 J	256 J	702 J	226 J	79 J	170 J	211 J	279 J	655 J	100 J	141 J	118 J	347 J	212 J	249 J	371 J	126 J	192 J	176 J	200 J			
Chromium ¹	30	36	180	1,500	NS	16.7	2.9	3.8	5.1	13.7	1.3 J	3.4	3.5	3.3	7.7	5.9	2.9	11.9	62.9	5.1	6.7	7.2	5.2	3.2	7.1	105			
Cobalt	NA	NA	NA	NA	NA	1.2 J	1.6 J	1.2 J	1.6 J	1.0 J	10.3 U	1.2 J	1.7 J	2.8 J	3.5 J	0.94 J	0.91 J	0.73 J	1.3 J	8.2 U	1.2 J	1.2 J	2.5 J	3.9 J	1.7 J	1.2 J			
Copper	50	270	270	270	1,720	1.2 J	2.9 J	2.8 J	2.2 J	1.9 J	2.2 J	1.9 J	1.9 J	2.2 J	2.2 J	1.7 J	1.2 J	1.2 J	1.3 J	1.5 J	2.3 J	2.9 J	1.8 J	2.6 J	2.4 J	2.4 J			
Iron	NA	NA	NA	NA	NA	4,540	5,530	4,740	7,360	3,290	3,710	6,450	5,510	9,120	6,880	2,790	3,130	4,170	4,210	2,390	4,060	4,370	12,000	10,700	5,090	2,700			
Lead	63	400	400	1,000	450	1.8 J	1.4 J	1.5 J	2.1	1.2 J	2.0 J	1.4 J	1.3 J	0.87 J	3.3	1.1 J	1.2 J	1.2 J	1.8 J	1.2 J	1.8 J	1.7 J	2.1	1.6 J	1.5 J	2.3 U			
Magnesium	NA	NA	NA	NA	NA	432 J	341 J	337 J	701 J	290 J	145 J	381 J	384 J	443 J	889 J	442 J	433 J	494 J	798 J	385 J	897 J	925 J	299 J	463 J	468 J	397 J			
Manganese	1,600	2,000	2,000	10,000	2,000	19.7	26.5	131	70.4	45.9	253	43.8	50.6	476	97.0	26.9	51.9	32.5	30.5	38.7	51.9	34.6	209	718	37.6	26.8			
Nickel	30	140	310	310	130	5.2 J	2.5 J	2.5 J	3.5 J	2.9 J	2.0 J	2.1 J	1.9 J	2.4 J	6.4 J	1.8 J	2.6 J	3.5 J	5.0	1.8 J	2.5 J	2.9 J	3.0 J	3.1 J	2.8 J	4.7 J			
Potassium	NA	NA	NA	NA	NA	238 J	239 J	280 J	484 J	179 J	121 J	271 J	298 J	298 J	344 J	271 J	311 J	239 J	305 J	211 J	598 J	744 J	188 J	380 J	349 J	201 J			
Selenium	3.9	36	180	1,500	4	4.5 U	4.5 U	3.7 U	3.5 U	3.8 U	4.1 U	3.9 U	4.4 U	4.2 U	5.0 U	3.6 U	3.5 U	3.4 U	3.7 U	3.3 U	4.6 U	4.4 U	4.2 U	4.0 U	4.1 U	4.6 U			
Silver	2	36	180	1,500	8.3	2.3 U	2.2 U	1.9 U	1.8 U	1.9 U	2.1 U	2.0 U	2.2 U	2.1 U	2.5 U	1.8 U	1.8 U	1.7 U	1.9 U	1.6 U	2.3 U	2.2 U	2.1 U	2.0 U	2.0 U	2.3 U			
Sodium	NA	NA	NA	NA	NA	1,130 U	1,120 U	929 U	877 U	962 U	1,030 U	978 U	1,100 U	1,040 U	1,250 U	910 U	876 U	858 U	928 U	821 U	1,140 U	1,110 U	1,040 U	1,000 U	1,020 U	1,150 U			
Thallium	NA	NA	NA	NA	NA	4.5 U	4.5 U	3.7 U	3.5 U	3.8 U	4.1 U	3.9 U	4.4 U	4.2 U	5.0 U	3.6 U	3.5 U	3.4 U	3.7 U	3.3 U	4.6 U	4.4 U	4.2 U	4.0 U	4.1 U	4.6 U			
Vanadium	NA	NA	NA	NA	NA	4.1 J	3.0 J	4.2 J	6.1 J	3.2 J	1.6 J	4.6 J	3.2 J	3.7 J	10.1 J	3.3 J	2.9 J	2.8 J	5.7 J	2.4 J	5.1 J	6.3 J	3.7 J	3.8 J	3.8 J	3.8 J			
Zinc	109	2,200	10,000	10,000	2,480	5.3 J	5.1 J	7.7	8.1	4.2 J	5.8 J	6.4 J	6.4 J	7.5	10.3	4.3 J	4.4 J	9.6	4.1 J	7.4	7.7	6.7	6.7	7.1	6.9	6.9			
Mercury	0.18	0.81	0.81	2.8	0.73	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.021 U	0.019 U	0.019 U	0.017 U	0.018 U	0.019 U	0.019 U	0.018 U	0.020 U	0.021 U	0.020 U	0.019 U	0.018 U	0.021 U		

						North Alleyway Area - Confirmatory Post-Excavation Soil Samples																						
						Bottom Soil Samples																						
NYSDEC SCOs						NA-EP#44	NA-EP#46	NA-EP#48	NA-EP#50	NA-EP#51	NA-EP#52	NA-EP#53	NA-EP#54	NA-EP#55	NA-EP#56	NA-EP#57	NA-EP#60	NA-EP#67	NA-EP#68	NA-EP#69	NA-EP#70	NA-EP#71	NA-EP#72	NA-EP#73	NA-EP#77	NA-EP#78	NA-EP#79	
TAL Metals (mg/kg)	NYSDEC Unrestricted SCO	Residential	Restricted Residential	Commercial	Protection of Groundwater	(12)	(12)	(12)	(12)	(12)	(12)	(12)	(12)	(12)	(12)	(12)	(12)	(15)	(15)	(15)	(15)	(15)	(15)	(15)	(15)	(15)	(15)	
Aluminum	NA	NA	NA	NA	NA	1,220	1,210	4,950	1,450	900	1,100	2,600	1,270	1,910	1,910	1,210	1,970	534	193	771	2,280	1,180	1,210	1,500	900	1,050	978	
Antimony	NA	NA	NA	NA	NA	3.7 U	3.4 U	3.7 U	3.6 U	4.0 U	0.98 J	3.4 U	3.1 U	4.0 U	4.0 U	3.5 U	3.4 U	4.0 U	4.2 U	4.3 U	4.7 U	4.6	3.9 U	1.1 J	4.5 U	4.7 U	3.9 U	
Arsenic	13	16	16	16	16	2.0 J	5.0	1.9 J	0.98 J	0.64 J	1.6 J	2.6 U	2.3 U	3.0 U	1.7 J	2.6 U	1.6 J	3.0 U	3.3	1.8 J	3.5 U	0.91 J	2.9 U	2.9 U	0.77 J	1.5 J	2.9 U	
Barium	350	350	400	400	820	19.1 J	19.1 J	20.3 J	10.8 J	7.2 J	5.9 J	12.0 J	8.4 J	10.7 J	11.5 J	8.1 J	16.3 J	3.6 J	25.7 J	12.3 J	12.4 J	7.3 J	10.1 J	13.2 J	13.8 J	11.2 J	5.7 J	
Beryllium	7.2	14	72	590	47	0.37 U	0.34 J	0.29 J	0.23 J	0.40 U	0.39 U	0.34 U	0.31 U	0.40 U	0.34 J	0.35 U	0.23 J	0.081 J	0.11 J	0.079 J	0.13 J	0.10 J	0.14 J	0.11 J	0.089 J	0.10 J	0.099 J	
Cadmium	2.5	2.5	4.3	9.3	7.5	0.74 U	0.68 U	0.73 U	0.72 U	0.80 U	0.68 U	0.80 U	0.61 U	0.80 U	0.70 U	0.67 U	0.80 U	3.5	33.8	30.2	0.94 U	0.92 U	0.78 U	0.78 U	20.2	38.0	23.1	
Calcium	NA	NA	NA	NA	NA	190 J	220 J	328 J	110 J	344 J	173 J	304 J	131 J	456 J	685 J	163 J	201 J	494 J	336 J	115	76.5 J	205 J	494 J	256 J	224 J	231 J	339 J	372 J
Chromium ¹	30	36	180	1,500	NS	3.1	2.7	10.3	3.4	2.8	12.4	8.9	3.2	4.1	5.9	2.7	6.4	2.0	3.1	2.8	117	7.6	3.6	307	3.4	4.3	3.7	
Cobalt	NA	NA	NA	NA	NA	1.8 J	2.8 J	3.0 J	2.0 J	1.3 J	2.1 J	1.9 J	1.9 J	1.5 J	3.4 J	1.1 J	2.2 J	0.96 J	3.0 J	1.3 J	1.8 J	2.2 J	1.7 J	2.3 J	1.4 J	3.0 J	2.3 J	
Copper	50	270	270	270	1,720	1.6 J	1.6 J	6.4	3.4 J	2.2 J	3.0 J	4.3	2.8 J	4.2 J	8.5	2.4 J	5.1	1.2 J	4.6 J	2.0 J	3.5 J	2.4 J	3.4 J	2.4 J	2.2 J	3.8 J	3.2 J	
Iron	NA	NA	NA	NA	NA	8,610	12,200	7,640	4,750	6,030	5,770	6,560	2,810	5,190	11,100	4,010	9,330	2,460	11,300	6,830	5,730	5,190	2,820	4,640	5,890	10,000	5,490	
Lead	63	400	400	1,000	450	1.3 J	1.2 J	3.9	1.2 J	1.4 J	0.90 J	1.5 J	1.5	1.9 J	3.6	1.1 J	2.7	0.69 J	1.5	0.97 J	1.8 J	1.0 J	1.4 J	1.2 J	1.3 J	1.8 J	1.5 J	
Magnesium	NA	NA	NA	NA	NA	369 J	354 J	1,040	541 J	346 J	544 J	1,220	489 J	583 J	514 J	390 J	721 J	0.68 J	356 J	236 J	1,130 J	520 J	429 J	719 J	339 J B	388 J B	377 J B	
Manganese	1,600	2,000	2,000	10,000	2,000	939	455	53.6	50.4	135	90.3	70.3	27.2	42.1	98.7	40.3	84.4	10.2	65.7	35.3	39.3	25.1	14.6	29.6	73.1	74.6	37.0	
Nickel	30	140	310	310	130	3.1 J	1.9 J	4.6 J	2.4 J	2.5 J	2.6 J	3.0 J	2.5 J	7.2 J	4.6 J	2.2 J	3.6 J	1.5 J B	4.2 J B	2.7 J B	9.0 J B	6.7 J B	3.5 J B	5.9 J B	2.3 J	9.5	4.7 J	
Potassium	NA	NA	NA	NA	NA	232 J	202 J	455 J	330 J	229 J	322 J	732 J	337 J	361 J	284 J	268 J	435 J	87 J	241 J	201 J	649 J	299 J	285 J	437 J	188 J	325 J	259 J	
Selenium	3.9	36	180	1,500	4	3.7 U	3.4 U	3.7 U	3.6 U	4.0 U	3.9 U	3.4 U	3.1 U	4.0 U	4.0 U	3.5 U	3.4 U	4.0 U	4.2 U	4.3 U	4.7 U	4.6 U	3.9 U	3.9 U	4.5 U	4.7 U	3.9 U	
Silver	2	36	180	1,500	8.3	0.22 J	0.19 J	1.8 U	1.8 U	2.0 U	2.0 U	3.7 U	1.5 U	2.0 U	2.0 U	1.7 U	2.0 U	2.0 U	2.1 U	2.2 U	2.3 U	2.6 U	1.9 U	2.0 U	2.4 U	2.4 U	2.0 U	
Sodium	NA	NA	NA	NA	NA	921 U	851 U	917 U	895 U	1,000 U	979 U	852 U	768 U	1,010 U	1,000 U	869 U	839 U	1,000 U	1,080 U	1,080 U	1,170 U	1,140 U	973 U	980 U	1,120 U	1,180 U	975 U	
Thallium	NA	NA	NA	NA	NA	3.7 U	3.4 U	3.7 U	3.6 U	4.0 U	3.9 U	3.4 U	3.1 U	4.0 U	4.0 U	3.5 U	3.4 U	4.0 U	4.2 U	4.3 U	4.7 U	4.6 U	3.9 U	3.9 U	4.5 U	4.7 U	3.9 U	
Vanadium	NA	NA	NA	NA	NA	3.4 J	2.7 J	4.0 J	3.2 J	4.2 J	4.2 J	5.6 J	3.3 J	4.2 J	5.6 J	4.2 J	7.7 J	4.5 J	6.7 J	6.7 J	6.7 J	6.7 J	6.7 J	6.7 J	6.7 J	6.8 J	4.2 J	
Zinc	109	2,200	10,000	10,000	2,480	5.4 J	5.3	13.1	5.3 J	6.0	5.9	10.3	5.2	8.8	12.0	5.4	10.2	8.5	8.5	8.7 J	10.0	7.1	6.4	7.8	5.8 J	9.4	9.4	
Mercury	0.18	0.81	0.81	2.8	0.73	0.020 U	0.019 U	0.019 U	0.018 U	0.016 U	0.018 U	0.019 U	0.019 U	0.017 U	0.019 U	0.019 U	0.020 U	0.019 U	0.021 U	0.020 U	0.020 U	0.019 U	0.019 U	0.018 U	0.020 U	0.018 U	0.019 U	

Table 6-58
TAL Metals Soil Analytical Data
C6-2 Original Sample Location - Post Excavation Data

TAL Metals (mg/kg)	NYSDEC SCOs			Post-excavation End-point Soil Analytical Data									
				C6-2 Original Sample Location				Supplemental Endpoint Samples					
				Side-wall Samples		Bottom Samples		Side-wall Samples					
				C6-EP#3 (1)	C6-EP#4 (2)	C6-EP#5 (1)	C6-EP#6 (1)	C6-EP#1 (2)	C6-EP#2 (2)	C6-EP#49 (1)	C6-EP#50 (1)	C6-EP#51 (1)	C6-EP#52 (1)
Unrestricted	Residential	Protection of Groundwater											
Aluminum	NA	NA	NA	5,850	4,270	6,600	6,800	2,460	8,990	7,700	8,010	7,230	6,230
Antimony	NA	NA	NA	4.4 U	4.5 U	4.7 U	4.5 U	4.7 U	4.5 U	4.1 U	4.3 U	4.5 U	4.7 U
Arsenic	13	16	16	3.6	3.6	4.0	3.6	3.5 U	1.7 J	2.8 J	7.8	4.9	4.3
Barium	350	350	820	44.4	57.0	39.9 J	45.2	19.1 J	93.3	54.9	67.7	64.4	43.4 J
Beryllium	7.2	14	47	0.34 U	0.45 U	0.47 U	0.45 U	0.47 U	0.15 J	0.28 J	0.48	0.47	0.31 J
Cadmium	2.5	2.5	7.5	0.22 J	0.38 J	0.94 U	0.14 J	0.94 U	0.91 U	0.82 U	0.87 U	0.91 U	0.93 U
Calcium	NA	NA	NA	82,000	67,400	70,600	68,700	511 J	1,590	32,900	29,700	3,290	14,300
Chromium ¹	30	36	NS	12.3	10.8	10.4	12.0	6.1	17.3	14.1	14.8	16.8	12.0
Cobalt	NA	NA	NA	3.0 J	3.0 J	3.7 J	3.5 J	2.0 J	5.2 J	4.1 J	9.7 J	6.8 J	4.0 J
Copper	50	270	1,720	16.9	13.5	32.2	16.2	4.2 J	9.5	5.6	12.5	10.7	11.8
Iron	NA	NA	NA	10,600	6,340	11,400	10,500	4,390	10,200	9,560	22,800	15,500	16,600
Lead	63	400	450	20.0	55.8	12.7	17.7	1.9 J	8.6	10.5	33.9	18.4	14.1
Magnesium	NA	NA	NA	5,660	6,700	3,320	4,230	715 J	2,120	18,800	6,700	2,130	4,150
Manganese	1,600	2,000	2,000	135	137	156	172	109	105	331	854	424	291
Nickel	30	140	130	10.3	11.0	7.0 J	7.6 J	4.4 J	13.0	8.6 B	9.6 B	10.9 B	7.3 J B
Potassium	NA	NA	NA	257 J	295 J	446 J	414 J	259 J	519 J	1,000 J	1,100	786 J	807 J
Selenium	3.9	36	4	4.4 U	4.5 U	4.7 U	4.5 U	4.7 U	4.5 U	4.1 U	4.3 U	4.5 U	4.7 U
Silver	2	36	8.3	9.1	11.4	2.3 U	0.86 J	2.3 U	2.3 U	0.17 J	0.60 J	2.3 U	0.87 J
Sodium	NA	NA	NA	153 J	160 J	182 J	271 J	1,170 U	1,140 U	97.9 J	130 J	108 J	190 J
Thallium	NA	NA	NA	4.4 U	4.5 U	4.7 U	4.5 U	4.7 U	4.5 U	4.1 U	4.3 U	4.5 U	4.7 U
Vanadium	NA	NA	NA	21.8	14.0	20.3	19.4	4.5 J	19.6	18.9	23.3	23.2	21.7
Zinc	109	2,200	2,480	56.2	72.0	34.4	36.4	8.6	33.6	19.5	84.2	29.6	26.0
Mercury	0.18	0.81	0.73	6.033	6.037	0.023	0.028	0.020 U	0.018 J	0.020 U	0.029	0.020 U	0.019 U

Notes

J : Sample result is greater than the MDL but below the CRDL

U : Indicates analyzed for but not detected.

B: Indicates analyte detected in blank.

¹ Trivalent chromium SCOs utilized.

Highlighted / bolded indicates analyte exceeded above its respective NYSDEC Unrestricted SCO.

NA - Not Available

Indicates that sample locations were removed as part of supplemental soil excavation activities.

Table 6-59
TAL Metals Soil Analytical Data
C6-6 Original Sample Location - Post Excavation Data

TAL Metals (mg/kg)	NYSDEC SCOs			Post-excavation End-point Soil Analytical Data										Supplemental Endpoint Samples			
				C6-6 Original Sample Location (Silver Reclamation Area)													
				Side-wall Samples				Bottom Samples				Side-wall Samples		Bottom Samples			
				C6-EP#10 (4')	C6-EP#11 (4')	C6-EP#12 (3')	C6-EP#13 (2')	C6-EP#14 (6')	C6-EP#7 (8')	C6-EP#8 (8')	C6-EP#9 (8')	C6-EP#22 (1')	C6-EP#23 (1')	C6-EP#20 (8')	C6-EP#21 (8')		
Aluminum	NA	NA	NA	1,820	7,150	7,330	1,290	1,550	5,260	20,400	13,200	2,730	7,220	3,890	7,980		
Antimony	NA	NA	NA	4.1 U	4.3 U	4.4 U	4.1 U	3.3 U	3.6 U	4.1 U	4.5 U	3.7 U	4.5 U	3.8 U	4.3 U		
Arsenic	13	16	16	1.6 J	7.5	8.0	1.6 J	0.80 J	2.0 J	2.5 J	4.9	2.0 J	5.6	1.3 J	1.4 J		
Barium	350	350	820	15.4 J	101	104	11.2 J	10 J	44.7	108	56.7	22.0 J	46.7	32.7 J	50.0		
Beryllium	7.2	14	47	0.41 U	0.43 U	0.17 J	0.18 J	0.33 U	0.39	1.1	0.45 U	0.17 J	0.40 J	0.22 J	0.28 J		
Cadmium	2.5	2.5	7.5	0.18 J	0.86 U	0.31 J	0.82 U	0.11 J	0.27 J	0.71 J	0.15 J	0.74 U	0.89 U	0.76 U	0.86 U		
Calcium	NA	NA	NA	2,710	1,490	2,340	476 J	539 J	1,250	666 J	509 J	484 J	1,030 J	706 J	521 J		
Chromium ¹	30	36	NS	6.3	14.9	17.1	2.9	3.9	16.3	33.6	22.5	4.9	27.4	8.9	15.6		
Cobalt	NA	NA	NA	1.6 J	6.7 J	6.3 J	1.6 J	1.1 J	5.4 J	13.5	14.4	2.5 J	5.7 J	2.2 J	4.1 J		
Copper	50	270	1,720	4.7 J	12.2	18.4	8.5	2.7 J	8.1	25.7	15.7	4.4 J	8.0	10.2	2.2 J		
Iron	NA	NA	NA	6,230	14,900	15,500	5,260	3,760	10,400	27,900	28,000	6,320	16,100	7,620	8,580		
Lead	63	400	450	7.8	17.7	58.0	6.7	3.9	8.3	9.4	8.3	7.7	17.7	9.9	6.0		
Magnesium	NA	NA	NA	725 J	2,340	1,920	372 J	424 J	1,920	5,760	3,090	582 J	1,440	991	1,580		
Manganese	1,600	2,000	2,000	132	1,160	525	107	64.8	221	377	616	187	183	94.8	119		
Nickel	30	140	130	3.8 J	11.8	13.6	2.7 J	2.5 J	10.3	23.7	16.6	4.6 J	8.9	5.5 J	7.8 J		
Potassium	NA	NA	NA	467 J	990 J	747 J	262 J	326 J	768 J	2,950	1,180	322 J	531 J	479 J	404 J		
Selenium	3.9	36	4	4.1 U	4.3 U	4.4 U	4.1 U	3.3 U	3.6 U	4.1 U	4.5 U	3.7 U	1.0 J	3.8 U	4.3 U		
Silver	2	36	8.3	23.5	2.2 U	2.2 U	2.0 U	58.5	1.8 U	2.0 U	1.7 J	1.8 U	2.2 U	0.36 J	2.1 U		
Sodium	NA	NA	NA	1,030 U	167 J	1,100 U	1,020 U	824 U	898 U	80.3 J	104 J	921 U	1,120 U	956 U	1,070 U		
Thallium	NA	NA	NA	4.1 U	4.3 U	4.4 U	4.1 U	3.3 U	1.0 J	4.2	4.5 U	3.7 U	4.5 U	3.8 U	4.3 U		
Vanadium	NA	NA	NA	5.4 J	22.4	24.9	4.1 J	3.6 J	15.8	43.4	30.6	6.7 J	19.5	10.6	18.8		
Zinc	109	2,200	2,480	13.2	25.8	76.8	10.0	7.1	23.3	62.5	40.6	12.4	27.8	32.0	21.6		
Mercury	0.18	0.81	0.73	0.016 U	0.018 U	0.042	0.017 U	0.096	0.013 J	0.019 U	0.019	0.018 U	0.037	0.023	0.020		

Notes

J : Sample result is greater than the MDL but below the CRDL

U : Indicates analyzed for but not detected.

¹ Trivalent chromium SCOs utilized.

Highlighted / bolded indicates analyte exceeded above its respective NYSDEC Unrestricted SCO.

NA - Not Available

Indicates that sample locations were removed as part of supplemental soil excavation activities.

Table 6-60
TCL SVOCs Soil Analytical Data
C6-8 Original Sample Location - Post Excavation Data

TCL SVOCs (mg/kg)	NYSDEC Unrestricted SCO	C6-8 Original Sample Location - Post Excavation Data							
		End-Point Soil Samples					Supplemental Endpoint Samples		
		Side-wall Samples				Bottom Sample	Bottom Samples		
		C6-EP#16 (3')	C6-EP#17 (3')	C6-EP#18 (3')	C6-EP#19 (3')	C6-EP#15 (6')	C6-EP#46 (8')	C6-EP#47 (8')	C6-EP#48 (8')
1,2,4,5-Tetrachlorobenzene	NA	0.33 U	0.33 U	0.34 U	0.34 U	0.40 U	0.34 U	0.34 U	0.34 U
1,4-Dioxane	0.1	0.33 U	0.33 U	0.34 U	0.34 U	0.40 U	0.34 U	0.34 U	0.34 U
2,2'-oxybis[1-chloropropane]	NA	0.33 U	0.33 U	0.34 U	0.34 U	0.40 U	0.34 U	0.34 U	0.34 U
2,3,4,6-Tetrachlorophenol	NA	0.33 U	0.33 U	0.34 U	0.34 U	0.40 U	0.34 U	0.34 U	0.34 U
2,4,5-Trichlorophenol	NA	0.33 U	0.33 U	0.34 U	0.34 U	0.40 U	0.34 U	0.34 U	0.34 U
2,4,6-Trichlorophenol	NA	0.33 U	0.33 U	0.34 U	0.34 U	0.40 U	0.34 U	0.34 U	0.34 U
2,4-Dichlorophenol	NA	0.33 U	0.33 U	0.34 U	0.34 U	0.40 U	0.34 U	0.34 U	0.34 U
2,4-Dimethylphenol	NA	0.33 U	0.33 U	0.34 U	0.34 U	0.40 U	0.34 U	0.34 U	0.34 U
2,4-Dinitrophenol	NA	1.0 U R	1.0 U R	1.0 U R	1.0 U R	1.2 U R	1.0 U	1.0 U	1.0 U
2,4-Dinitrotoluene	NA	0.067 U	0.068 U	0.069 U	0.069 U	0.082 U	0.068 U	0.069 U	0.069 U
2,6-Dinitrotoluene	NA	0.067 U	0.068 U	0.069 U	0.069 U	0.082 U	0.068 U	0.069 U	0.069 U
2-Chloronaphthalene	NA	0.33 U	0.33 U	0.34 U	0.34 U	0.40 U	0.34 U	0.34 U	0.34 U
2-Chlorophenol	NA	0.33 U	0.33 U	0.34 U	0.34 U	0.40 U	0.34 U	0.34 U	0.34 U
2-Methylnaphthalene	NA	0.33 U	0.33 U	0.34 U	0.34 U	0.065 J	0.34 U	0.34 U	0.34 U
2-Methylphenol	0.33	0.33 U	0.33 U	0.34 U	0.34 U	0.40 U	0.34 U	0.34 U	0.34 U
2-Nitroaniline	NA	0.67 U	0.68 U	0.69 U	0.69 U	0.82 U	0.68 U	0.69 U	0.69 U
2-Nitrophenol	NA	0.33 U	0.33 U	0.34 U	0.34 U	0.40 U	0.34 U	0.34 U	0.34 U
3,3'-Dichlorobenzidine	NA	0.67 U R	0.68 U R	0.69 U R	0.69 U R	0.82 U R	0.68 U	0.69 U	0.69 U
3-Nitroaniline	NA	0.67 U	0.68 U	0.69 U	0.69 U	0.82 U	0.68 U	0.69 U	0.69 U
4,6-Dinitro-2-methylphenol	NA	1.0 U R	1.0 U R	1.0 U R	1.0 U R	1.2 U R	1.0 U	1.0 U	1.0 U
4-Bromophenyl phenyl ether	NA	0.33 U	0.33 U	0.34 U	0.34 U	0.40 U	0.34 U	0.34 U	0.34 U
4-Chloro-3-methylphenol	NA	0.33 U	0.33 U	0.34 U	0.34 U	0.40 U	0.34 U	0.34 U	0.34 U
4-Chloroaniline	NA	0.33 U	0.33 U	0.34 U	0.34 U	0.40 U	0.34 U	0.34 U	0.34 U
4-Chlorophenyl phenyl ether	NA	0.33 U	0.33 U	0.34 U	0.34 U	0.40 U	0.34 U	0.34 U	0.34 U
4-Methylphenol	0.33	0.33 U	0.33 U	0.34 U	0.34 U	0.40 U	0.34 U	0.34 U	0.34 U
4-Nitroaniline	NA	0.67 U	0.68 U	0.69 U	0.69 U	0.82 U	0.68 U	0.69 U	0.69 U
4-Nitrophenol	NA	1.0 U	1.0 U	1.0 U	1.0 U	1.2 U	1.0 U	1.0 U	1.0 U
Acenaphthene	20	0.33 U	0.33 U	0.34 U	0.34 U	0.25 J	0.34 U	0.34 U	0.34 U
Acenaphthylene	100	0.33 U	0.33 U	0.34 U	0.34 U	0.026 J	0.34 U	0.34 U	0.34 U
Acetophenone	NA	0.33 U	0.33 U	0.34 U	0.34 U	0.40 U	0.34 U	0.34 U	0.34 U
Anthracene	100	0.33 U	0.0079 J B	0.34 U	0.34 U	0.78 B	0.34 U	0.34 U	0.34 U
Atrazine	NA	0.33 U	0.33 U	0.34 U	0.34 U	0.40 U	0.34 U	0.34 U	0.34 U
Benzaldehyde	NA	0.33 U	0.33 U	0.34 U	0.34 U	0.40 U	0.34 U	0.34 U	0.34 U
Benzo[a]anthracene	1	0.033 U	0.033 U	0.034 U	0.034 U	1.7	0.034 U	0.034 U	0.034 U
Benzo[a]pyrene	1	0.033 U	0.035	0.034 U	0.034 U	1.4	0.034 U	0.034 U	0.034 U
Benzo[b]fluoranthene	1	0.033 U	0.057	0.034 U	0.034 U	1.6	0.034 U	0.034 U	0.034 U
Benzo[g,h,i]perylene	100	0.33 U	0.036 J	0.34 U	0.34 U	1.1	0.34 U	0.34 U	0.34 U
Benzo[k]fluoranthene	0.8	0.033 U	0.018 J	0.034 U	0.034 U	0.59	0.034 U	0.034 U	0.034 U
Bis(2-chloroethoxy)methane	NA	0.33 U	0.33 U	0.34 U	0.34 U	0.40 U	0.34 U	0.34 U	0.34 U
Bis(2-chloroethyl)ether	NA	0.033 U	0.033 U	0.034 U	0.034 U	0.040 U	0.034 U	0.034 U	0.034 U
Bis(2-ethylhexyl) phthalate	NA	0.33 U	0.33 U	0.34 U	0.34 U	0.40 U	0.34 U	0.34 U	0.34 U
Butyl benzyl phthalate	NA	0.33 U	0.33 U	0.34 U	0.34 U	0.40 U	0.34 U	0.34 U	0.34 U
Caprolactam	NA	0.33 U	0.33 U	0.34 U	0.34 U	0.40 U	0.34 U	0.34 U	0.34 U
Carbazole	NA	0.33 U	0.33 U	0.34 U	0.34 U	0.14 J	0.34 U	0.34 U	0.34 U
Chrysene	1	0.33 U	0.043 J B	0.34 U	0.012 J B	1.9 B	0.34 U	0.34 U	0.34 U
Dibenz(a,h)anthracene	0.33	0.033 U	0.033 U	0.034 U	0.034 U	0.24	0.034 U	0.034 U	0.034 U
Dibenzofuran	7	0.33 U	0.33 U	0.34 U	0.34 U	0.098 J	0.34 U	0.34 U	0.34 U
Diethyl phthalate	NA	0.33 U	0.33 U	0.34 U	0.34 U	0.40 U	0.43 *	0.48 *	0.44 *
Dimethyl phthalate	NA	0.33 U	0.33 U	0.34 U	0.34 U	0.40 U	0.34 U	0.34 U	0.34 U
Di-n-butyl phthalate	NA	0.33 U	0.33 U	0.34 U	0.34 U	0.40 U	0.34 U	0.34 U	0.34 U
Di-n-octyl phthalate	NA	0.33 U	0.33 U	0.34 U	0.34 U	0.40 U	0.34 U	0.34 U	0.34 U
Diphenyl	NA	0.33 U	0.33 U	0.34 U	0.34 U	0.019 J	0.34 U	0.34 U	0.34 U
Fluoranthene	100	0.014 J	0.060 J	0.34 U	0.012 J	3.3	0.34 U	0.34 U	0.34 U
Fluorene	30	0.33 U	0.33 U	0.34 U	0.34 U	0.31 J	0.34 U	0.34 U	0.34 U
Hexachlorobenzene	0.33	0.033 U	0.033 U	0.034 U	0.034 U	0.040 U	0.034 U	0.034 U	0.034 U
Hexachlorobutadiene	NA	0.067 U	0.068 U	0.069 U	0.069 U	0.082 U	0.068 U	0.069 U	0.069 U
Hexachlorocyclopentadiene	NA	0.33 U	0.33 U	0.34 U	0.34 U	0.40 U	0.34 U	0.34 U	0.34 U
Hexachloroethane	NA	0.033 U	0.033 U	0.034 U	0.034 U	0.040 U	0.034 U	0.034 U	0.034 U
Indeno[1,2,3-cd]pyrene	0.5	0.033 U	0.027 J	0.034 U	0.034 U	0.75	0.034 U	0.034 U	0.034 U
Isophorone	NA	0.33 U	0.33 U	0.34 U	0.34 U	0.40 U	0.34 U	0.34 U	0.34 U
Naphthalene	12	0.33 U	0.33 U	0.34 U	0.34 U	0.067 J	0.34 U	0.34 U	0.34 U
Nitrobenzene	NA	0.033 U	0.033 U	0.034 U	0.034 U	0.040 U	0.034 U	0.034 U	0.034 U
N-Nitrosodi-n-propylamine	NA	0.033 U	0.033 U	0.034 U	0.034 U	0.040 U	0.034 U	0.034 U	0.034 U
N-Nitrosodiphenylamine	NA	0.33 U	0.33 U	0.34 U	0.34 U	0.40 U	0.34 U	0.34 U	0.34 U
Pentachlorophenol	0.8	1.0 U	1.0 U	1.0 U	1.0 U	1.2 U	1.0 U	1.0 U	1.0 U
Phenanthrene	100	0.0065 J	0.035 J	0.34 U	0.0078 J	3.6	0.34 U	0.34 U	0.34 U
Phenol	0.33	0.33 U	0.33 U	0.34 U	0.34 U	0.40 U	0.34 U	0.34 U	0.34 U
Pyrene	100	0.33 U	0.058 J	0.34 U	0.016 J	4.1	0.34 U	0.34 U	0.34 U
Pyridine	NA	0.33 U	0.33 U	0.34 U	0.34 U	0.40 U	0.34 U	0.34 U	0.34 U
SVOC TICs									
Ethane, 1,1,2-trichloro-	NA	0.44 J N	ND	ND	ND	ND	NA	NA	NA
2-Pentanone, 4-hydroxy-4-methyl-	NA	0.34 J N	0.30 J N	0.34 J N	0.36 J N	ND	NA	NA	NA
Acetic acid, 1,1-dimethylethyl ester	NA	ND	ND	ND	ND	ND	NA	NA	NA
2-Pentanone, 4-hydroxy-2-methyl-	NA	ND	ND	ND	ND	ND	NA	NA	NA
Ethane, 1,1,2,2-tetrachloro-	NA	1.1 J N	0.92 J N	0.84 J N	0.86 J N	ND	NA	NA	NA
Octanoic Acid	NA	0.14 J N	ND	0.18 J N	0.14 J N	ND	NA	NA	NA
Octanoic Acid	NA	ND	0.18 J N	ND	ND	ND	NA	NA	NA
Phenanthrene, 1-methyl-	NA	ND	ND	ND	ND	0.77 J N	NA	NA	NA
Anthracene, 2-methyl-	NA	ND	ND	ND	ND	0.77 J N	NA	NA	NA
n-Hexadecanoic acid	NA	ND	ND	ND	ND	1.2 J N	NA	NA	NA
Phenanthrene, 1-methyl-	NA	ND	ND	ND	ND	0.60 J N	NA	NA	NA
Pentadecanal-	NA	ND	ND	ND	ND	ND	NA	NA	NA
1-Heptadecanol	NA	ND	ND	0.29 J N	0.21 J N	ND	NA	NA	NA
Cyclohexadecane	NA	0.35 J N	0.28 J N	ND	ND	ND	NA	NA	NA
Phenanthrene, 3,6-dimethyl-	NA	ND	ND	ND	ND	0.80 J N	NA	NA	NA
1-Heptadecanol	NA	ND	ND	ND	ND	ND	NA	NA	NA
Cyclohexadecane	NA	ND	ND	ND	ND	ND	NA	NA	NA
1-Hexacosanol	NA	ND	ND	ND	ND	ND	NA	NA	NA
3-Eicosene, (E)-	NA	ND	ND	ND	ND	ND	NA	NA	NA
Phosphonic acid, dioctadecyl ester	NA	ND	0.18 J N	ND	ND	ND	NA	NA	NA
Pyrene, 1-methyl-	NA	ND	ND	ND	ND	0.58 J N	NA	NA	NA
Hexanedioic acid, bis(2-ethylhexyl) este	NA	0.69 J N	0.55 J N	0.65 J N	0.58 J N	ND	NA	NA	NA
Hexanedioic acid, bis(2-ethylhexyl) este	NA	ND	ND	ND	ND	ND	NA	NA	NA
1,19-Eicosadiene	NA	ND	ND	ND	0.25 J N	ND	NA	NA	NA
Octadecanal	NA	0.28 J N	ND	ND	ND	ND	NA	NA	NA
Oxirane, heptadecyl-	NA	ND	0.27 J N	ND	ND	ND	NA	NA	NA
Oxirane, hexadecyl-	NA	ND	ND	0.25 J N	ND	ND	NA	NA	NA
Pentadecanal-	NA	ND	ND	ND	ND	ND	NA	NA	NA
Bicyclo[10.8.0]eicosane, (E)-	NA	ND	ND	ND	ND	ND	NA	NA	NA
1-Eicosanol	NA	ND	ND	ND	ND	ND	NA	NA	NA
1-Nonadecene	NA	ND	0.75 J N	ND	0.72 J N	ND	NA	NA	NA
5-Eicosene, (E)-	NA	ND	ND	ND	ND	0.72 J N	NA	NA	NA
Phosphonic acid, dioctadecyl ester	NA	0.87 J N	ND	0.82 J N	ND	ND	NA	NA	NA
3-Eicosene, (E)-	NA	ND	ND	ND	ND	ND	NA	NA	NA
Formylmethylenetriphenylphosphorane	NA	ND	ND	2.2 J N	2.1 J N	ND	NA	NA	NA
Triphenylphosphine oxide	NA	ND	1.9 J N	ND	ND	ND	NA	NA	NA
Acetic acid, (triphenyl)phosphoranylidene	NA	ND	ND	ND	ND	1.2 J N	NA	NA	NA
Formylmethylenetriphenylphosphorane	NA	2.2 J N	ND	ND	ND	ND	NA	NA	NA
Triphenylphosphine oxide	NA	ND	ND	ND	ND	ND	NA	NA	NA
Nonadecane	NA	ND	ND	ND	ND	0.67 J N	NA	NA	NA
Perylene	NA	ND	ND	ND	ND	0.98 J N	NA	NA	NA
4H-Cyclopenta[def]phenanthrene	NA	NA	NA	NA	NA	NA	ND	ND	ND
Nonadecane	NA	NA	NA	NA	NA	NA	ND	ND	ND
Benzo[e]pyrene	NA	NA	NA	NA	NA	NA	ND	ND	ND
Benzo[j]fluoranthene	NA	NA	NA	NA	NA	NA	ND	ND	ND
Heptacosane	NA	NA	NA	NA	NA	NA	ND	ND	ND
SVOC TICs	NA	6.41	5.33	5.57	5.22	8.29	0	0	0

Notes
ND: TIC not detected
D : The reported value is from a dilution.
J : Indicates an estimated value.
J N : This flag indicates the presumptive evidence of a compound.
U : Analyzed for but not detected.
U R : Indicates that value is rejected based upon DUSR review by third party data validator.
NA : Not Available



Table 6-61
TAL Metals Soil Analytical Data
C6-8 Original Sample Location - Post Excavation Data

TAL Metals (mg/kg)	NYSDEC SCOs			C6-8 Original Sample Location - Post Excavation Data				
				End-Point Soil Samples				Bottom Sample
				Side-wall Samples				
	C6-EP#16	C6-EP#17	C6-EP#18	C6-EP#19	C6-EP#15			
	Unrestricted	Residential	Protection of Groundwater	(3')	(3')	(3')	(3')	(6')
Aluminum	NA	NA	NA	1,320	1,300	1,680	1,200	11,700
Antimony	NA	NA	NA	3.7 U	3.6 U	3.8 U	3.8 U	3.9 U
Arsenic	13	16	16	0.56 J	2.7 U	2.9 U	0.68 J	3.4
Barium	350	350	820	10.3 J	12.6 J	12.6 J	9.4 J	62.1
Beryllium	7.2	14	47	0.12 J	0.12 J	0.12 J	0.38 U	0.48
Cadmium	2.5	2.5	7.5	0.74 U	0.72 U	0.76 U	0.76 U	0.77 U
Calcium	NA	NA	NA	240 J	516 J	294 J	339 J	769 J
Chromium ¹	30	36	NS	2.8	4.4	3.8	3.1	21.3
Cobalt	NA	NA	NA	1.2 J	1.4 J	1.5 J	1.1 J	9.2 J
Copper	50	270	1,720	2.2 J	2.7 J	2.7 J	2.2 J	9.8
Iron	NA	NA	NA	3,510	4,410	4,250	5,040	19,400
Lead	63	400	450	2.5	4.8	2.9	1.8 J	15.1
Magnesium	NA	NA	NA	390 J	454 J	549 J	429 J	2,550
Manganese	1,600	2,000	2,000	107	106	73.7	135	261
Nickel	30	140	130	2.4 J	2.9 J	3.3 J	2.3 J	10.8
Potassium	NA	NA	NA	301 J	351 J	388 J	316 J	884 J
Selenium	3.9	36	4	3.7 U	3.6 U	3.8 U	3.8 U	3.9 U
Silver	2	36	8.3	1.8 U	1.8 U	1.9 U	1.9 U	1.9 U
Sodium	NA	NA	NA	920 U	901 U	955 U	951 U	963 U
Thallium	NA	NA	NA	3.7 U	3.6 U	3.8 U	3.8 U	3.9 U
Vanadium	NA	NA	NA	3.5 J	4.7 J	4.3 J	4.2 J	27.0
Zinc	109	2,200	2,480	6.3	10.9	8.8	8.8	35.0
Mercury	0.18	0.81	0.73	0.018 U	0.017 U	0.017 U	0.016 U	0.029

Notes

J : Sample result is greater than the MDL but below the CRDL

U : Indicates analyzed for but not detected.

¹ Trivalent chromium SCOs utilized.

Highlighted / bolded indicates analyte exceeded above its respective NYSDEC Unrestricted SCO.

NA - Not Available

Table 6-62
TCL SVOCs Soil Analytical Data
C6-13 Original Sample Location - Post Excavation Data

TCL SVOCs (mg/kg)	NYSDEC SCOs					Post-excavation End-point Soil Analytical Data														
	NYSDEC Unrestricted SCO	Residential	Restricted Residential	Commercial	Protection of Groundwater	Side-wall Samples														
						C6-EP#23 (3')	C6-EP#24 (3')	C6-EP#25 (3')	C6-EP#26 (3')	C6-EP#27 (3')	C6-EP#28 (3')	C6-EP#28 (6')	C6-EP#28 (6')	C6-EP#29 (3')	C6-EP#29 (6')	C6-EP#29 (6')	C6-EP#30 (3')	C6-EP#30 (6')	C6-EP#31 (3')	C6-EP#31 (6')
1,2,4,5-Tetrachlorobenzene	NA	NA	NA	NA	NA	0.76 U	3.7 U	0.35 U	0.34 U	0.38 U	0.70 U	0.36 U	0.34 U	0.36 U	0.34 U	0.37 U	0.35 U	0.41 U	0.35 U	0.41 U
1,4-Dioxane	0.1	9.8	13	130	0.1	0.76 U	3.7 U	0.35 U	0.34 U	0.38 U	0.70 U	0.36 U	0.34 U	0.36 U	0.34 U	0.37 U	0.35 U	0.41 U	0.35 U	0.41 U
2,2'-oxybis[1-chloropropane]	NA	NA	NA	NA	NA	0.76 U	3.7 U	0.35 U	0.34 U	0.38 U	0.70 U	0.36 U	0.34 U	0.36 U	0.34 U	0.37 U	0.35 U	0.41 U	0.35 U	0.41 U
2,3,4,6-Tetrachlorophenol	NA	NA	NA	NA	NA	0.76 U	3.7 U	0.35 U	0.34 U	0.38 U	0.70 U	0.36 U	0.34 U	0.36 U	0.34 U	0.37 U	0.35 U	0.41 U	0.35 U	0.41 U
2,4,5-Trichlorophenol	NA	NA	NA	NA	NA	0.76 U	3.7 U	0.35 U	0.34 U	0.38 U	0.70 U	0.36 U	0.34 U	0.36 U	0.34 U	0.37 U	0.35 U	0.41 U	0.35 U	0.41 U
2,4,6-Trichlorophenol	NA	NA	NA	NA	NA	0.76 U	3.7 U	0.35 U	0.34 U	0.38 U	0.70 U	0.36 U	0.34 U	0.36 U	0.34 U	0.37 U	0.35 U	0.41 U	0.35 U	0.41 U
2,4-Dichlorophenol	NA	NA	NA	NA	NA	0.76 U	3.7 U	0.35 U	0.34 U	0.38 U	0.70 U	0.36 U	0.34 U	0.36 U	0.34 U	0.37 U	0.35 U	0.41 U	0.35 U	0.41 U
2,4-Dimethylphenol	NA	NA	NA	NA	NA	0.76 U	3.7 U	0.35 U	0.34 U	0.38 U	0.70 U	0.36 U	0.34 U	0.36 U	0.34 U	0.37 U	0.35 U	0.41 U	0.35 U	0.41 U
2,4-Dinitrophenol	NA	NA	NA	NA	NA	2.3 U	11 U	1.0 U	1.0 U	1.2 U	2.1 U	1.1 U	1.0 U	1.1 U	1.0 U	1.1 U	1.0 U	1.2 U	1.1 U	1.3 U
2,4-Dinitrotoluene	NA	NA	NA	NA	NA	0.15 U	0.75 U	0.070 U	0.070 U	0.077 U	0.14 U	0.074 U	0.070 U	0.072 U	0.069 U	0.075 U	0.070 U	0.082 U	0.071 U	0.084 U
2,6-Dinitrotoluene	NA	NA	NA	NA	NA	0.15 U	0.75 U	0.070 U	0.070 U	0.077 U	0.14 U	0.074 U	0.070 U	0.072 U	0.069 U	0.075 U	0.070 U	0.082 U	0.071 U	0.084 U
2-Chloronaphthalene	NA	NA	NA	NA	NA	0.76 U	3.7 U	0.35 U	0.34 U	0.38 U	0.70 U	0.36 U	0.34 U	0.36 U	0.34 U	0.37 U	0.35 U	0.41 U	0.35 U	0.41 U
2-Chlorophenol	NA	NA	NA	NA	NA	0.76 U	3.7 U	0.35 U	0.34 U	0.38 U	0.70 U	0.36 U	0.34 U	0.36 U	0.34 U	0.37 U	0.35 U	0.41 U	0.35 U	0.41 U
2-Methylnaphthalene	NA	NA	NA	NA	NA	0.76 U	3.7 U	0.35 U	0.34 U	0.38 U	0.70 U	0.056 J	0.34 U	0.068 J	0.34 U	0.37 U	0.35 U	0.41 U	0.10 J	0.41 U
2-Methylphenol	0.33	100	100	500	0.33	0.76 U	3.7 U	0.35 U	0.34 U	0.38 U	0.70 U	0.36 U	0.34 U	0.36 U	0.34 U	0.37 U	0.35 U	0.41 U	0.35 U	0.41 U
2-Nitroaniline	NA	NA	NA	NA	NA	1.5 U	7.5 U	0.70 U	0.70 U	0.77 U	1.4 U	0.74 U	0.70 U	0.72 U	0.69 U	0.75 U	0.70 U	0.82 U	0.71 U	0.84 U
2-Nitrophenol	NA	NA	NA	NA	NA	0.76 U	3.7 U	0.35 U	0.34 U	0.38 U	0.70 U	0.36 U	0.34 U	0.36 U	0.34 U	0.37 U	0.35 U	0.41 U	0.35 U	0.41 U
3,3'-Dichlorobenzidine	NA	NA	NA	NA	NA	1.5 U	7.5 U	0.70 U	0.70 U	0.77 U	1.4 U	0.74 U	0.70 U	0.72 U	0.69 U	0.75 U	0.70 U	0.82 U	0.71 U	0.84 U
3-Nitroaniline	NA	NA	NA	NA	NA	1.5 U	7.5 U	0.70 U	0.70 U	0.77 U	1.4 U	0.74 U	0.70 U	0.72 U	0.69 U	0.75 U	0.70 U	0.82 U	0.71 U	0.84 U
4,6-Dinitro-2-methylphenol	NA	NA	NA	NA	NA	2.3 U	11 U	1.0 U	1.0 U	1.2 U	2.1 U	1.1 U	1.0 U	1.1 U	1.0 U	1.1 U	1.0 U	1.2 U	1.1 U	1.3 U
4-Bromophenyl phenyl ether	NA	NA	NA	NA	NA	0.76 U	3.7 U	0.35 U	0.34 U	0.38 U	0.70 U	0.36 U	0.34 U	0.36 U	0.34 U	0.37 U	0.35 U	0.41 U	0.35 U	0.41 U
4-Chloro-3-methylphenol	NA	NA	NA	NA	NA	0.76 U	3.7 U	0.35 U	0.34 U	0.38 U	0.70 U	0.36 U	0.34 U	0.36 U	0.34 U	0.37 U	0.35 U	0.41 U	0.35 U	0.41 U
4-Chloroaniline	NA	NA	NA	NA	NA	0.76 U	3.7 U	0.35 U	0.34 U	0.38 U	0.70 U	0.36 U	0.34 U	0.36 U	0.34 U	0.37 U	0.35 U	0.41 U	0.35 U	0.41 U
4-Chlorophenyl phenyl ether	NA	NA	NA	NA	NA	0.76 U	3.7 U	0.35 U	0.34 U	0.38 U	0.70 U	0.36 U	0.34 U	0.36 U	0.34 U	0.37 U	0.35 U	0.41 U	0.35 U	0.41 U
4-Methylphenol	0.33	34	100	500	0.33	0.76 U	3.7 U	0.35 U	0.34 U	0.38 U	0.70 U	0.36 U	0.34 U	0.36 U	0.34 U	0.37 U	0.35 U	0.41 U	0.35 U	0.41 U
4-Nitroaniline	NA	NA	NA	NA	NA	1.5 U	7.5 U	0.70 U	0.70 U	0.77 U	1.4 U	0.74 U	0.70 U	0.72 U	0.69 U	0.75 U	0.70 U	0.82 U	0.71 U	0.84 U
4-Nitrophenol	NA	NA	NA	NA	NA	2.3 U	11 U	1.0 U	1.0 U	1.2 U	2.1 U	1.1 U	1.0 U	1.1 U	1.0 U	1.1 U	1.0 U	1.2 U	1.1 U	1.3 U
Acenaphthene	20	100	100	500	98	0.54 J	2.0 J	0.35 U	0.34 U	0.38 U	0.38 J	0.59	0.34 U	0.61	0.34 U	0.37 U	0.35 U	0.24 J	0.38	0.41 U
Acenaphthylene	100	100	100	500	107	0.76 U	3.7 U	0.35 U	0.34 U	0.38 U	0.70 U	0.36 U	0.34 U	0.36 U	0.34 U	0.37 U	0.35 U	0.053 J	0.35 U	0.41 U
Acetophenone	NA	NA	NA	NA	NA	0.76 U	3.7 U	0.35 U	0.34 U	0.38 U	0.70 U	0.36 U	0.34 U	0.36 U	0.34 U	0.37 U	0.35 U	0.41 U	0.35 U	0.41 U
Anthracene	100	100	100	500	1,000	1.7	10	0.35 U	0.34 U	0.38 U	2.3	1.9	0.34 U	1.8	0.34 U	0.37 U	0.35 U	0.79	1.1	0.17 J
Atrazine	NA	NA	NA	NA	NA	0.76 U	3.7 U	0.35 U	0.34 U	0.38 U	0.70 U	0.36 U	0.34 U	0.36 U	0.34 U	0.37 U	0.35 U	0.41 U	0.35 U	0.41 U
Benzaldehyde	NA	NA	NA	NA	NA	0.76 U	3.7 U	0.35 U	0.34 U	0.38 U	0.70 U	0.36 U	0.34 U	0.36 U	0.34 U	0.37 U	0.35 U	0.41 U	0.35 U	0.41 U
Benzo[a]anthracene	1	1	1	5.6	1	3.4	22	0.035 U	0.034 U	0.11	3.4	3.1	0.034 U	2.1	0.034 U	0.037 U	0.035 U	2.5	2.6	0.63
Benzo[a]pyrene	1	1	1	1	22	2.9	20	0.035 U	0.012 J	0.14	3.0	3.1	0.034 U	1.0	0.034 U	0.091	0.056	2.6	2.7	0.67
Benzo[b]fluoranthene	1	1	1	5.6	1.7	3.0	26	0.035 U	0.014 J	0.16	3.8	3.7	0.034 U	2.3	0.034 U	0.12	0.061	3.3	3.3	0.76
Benzo[g,h,i]perylene	100	100	100	500	1,000	1.8	13	0.35 U	0.34 U	0.063 J	1.9	2.0	0.34 U	0.77	0.34 U	0.045 J	0.35 U	1.7	1.5	0.40 J
Benzo[k]fluoranthene	0.8	1	3.9	56	1.7	1.2	9.4	0.035 U	0.034 U	0.075	1.6	1.5	0.034 U	0.93	0.034 U	0.037 U	0.035 U	1.1	1.2	0.26
Bis(2-chloroethoxy)methane	NA	NA	NA	NA	NA	0.76 U	3.7 U	0.35 U	0.34 U	0.38 U	0.70 U	0.36 U	0.34 U	0.36 U	0.34 U	0.37 U	0.35 U	0.41 U	0.35 U	0.41 U
Bis(2-chloroethyl)ether	NA	NA	NA	NA	NA	0.76 U	3.7 U	0.035 U	0.034 U	0.038 U	0.70 U	0.036 U	0.034 U	0.036 U	0.034 U	0.037 U	0.035 U	0.041 U	0.035 U	0.041 U
Bis(2-ethylhexyl) phthalate	NA	NA	NA	NA	NA	0.76 U	3.7 U	0.35 U	0.34 U	0.38 U	0.70 U	0.36 U	0.34 U	0.36 U	0.34 U	0.37 U	0.35 U	0.41 U	0.35 U	0.41 U
Butyl benzyl phthalate	NA	NA	NA	NA	NA	0.76 U	3.7 U	0.35 U	0.34 U	0.38 U	0.70 U	0.36 U	0.34 U	0.36 U	0.34 U	0.37 U	0.35 U	0.41 U	0.35 U	0.41 U
Caprolactam	NA	NA	NA	NA	NA	0.76 U	3.7 U	0.35 U	0.34 U	0.38 U	0.70 U	0.36 U	0.34 U	0.36 U	0.34 U	0.37 U	0.35 U	0.41 U	0.35 U	0.41 U
Carbazole	NA	NA	NA	NA	NA	0.16 J	3.2 J	0.35 U	0.34 U	0.38 U	1.2	0.70	0.34 U	0.63	0.34 U	0.37 U	0.35 U	0.20 J	0.36	0.41 U
Chrysene	1	1	3.9	56	1	3.3	20	0.35 U	0.34 U	0.13 J	2.9	3.0	0.34 U	1.7	0.34 U	0.076 J	0.046 J	2.6	2.7	0.68

Table 6-62
TCL SVOCs Soil Analytical Data
C6-13 Original Sample Location - Post Excavation Data

TCL SVOCs (mg/kg)	NYSDEC SCOs					Post-excavation End-point Soil Analytical Data									
	NYSDEC Unrestricted SCO	Residential	Restricted Residential	Commercial	Protection of Groundwater	Side-wall Samples									
						C6-EP#33 (4')	C6-EP#33 (5')	C6-EP#34 (4')	C6-EP#34 (5')	C6-EP#35 (1')	C6-EP#35 (5')	C6-EP#36 (1')	C6-EP#36 (5')	C6-EP#37 (1')	C6-EP#37 (5')
1,2,4,5-Tetrachlorobenzene	NA	NA	NA	NA	NA	0.36 U	0.38 U	0.36 U	0.39 U	0.38 U	0.36 U	0.37 U	0.37 U	0.37 U	0.34 U
1,4-Dioxane	0.1	9.8	13	130	0.1	0.36 U	0.38 U	0.36 U	0.39 U	0.38 U	0.36 U	0.37 U	0.37 U	0.37 U	0.34 U
2,2'-oxybis[1-chloropropane]	NA	NA	NA	NA	NA	0.36 U	0.38 U	0.36 U	0.39 U	0.38 U	0.36 U	0.37 U	0.37 U	0.37 U	0.34 U
2,3,4,6-Tetrachlorophenol	NA	NA	NA	NA	NA	0.36 U	0.38 U	0.36 U	0.39 U	0.38 U	0.36 U	0.37 U	0.37 U	0.37 U	0.34 U
2,4,5-Trichlorophenol	NA	NA	NA	NA	NA	0.36 U	0.38 U	0.36 U	0.39 U	0.38 U	0.36 U	0.37 U	0.37 U	0.37 U	0.34 U
2,4,6-Trichlorophenol	NA	NA	NA	NA	NA	0.36 U	0.38 U	0.36 U	0.39 U	0.38 U	0.36 U	0.37 U	0.37 U	0.37 U	0.34 U
2,4-Dichlorophenol	NA	NA	NA	NA	NA	0.36 U	0.38 U	0.36 U	0.39 U	0.38 U	0.36 U	0.37 U	0.37 U	0.37 U	0.34 U
2,4-Dimethylphenol	NA	NA	NA	NA	NA	0.36 U	0.38 U	0.36 U	0.39 U	0.38 U	0.36 U	0.37 U	0.37 U	0.37 U	0.34 U
2,4-Dinitrophenol	NA	NA	NA	NA	NA	1.1 U	1.2 U	1.1 U	1.2 U	1.2 U	1.1 U	1.1 U	1.1 U	1.1 U	1.0 U
2,4-Dinitrotoluene	NA	NA	NA	NA	NA	0.073 U	0.078 U	0.074 U	0.079 U	0.077 U	0.074 U	0.076 U	0.075 U	0.076 U	0.070 U
2,6-Dinitrotoluene	NA	NA	NA	NA	NA	0.073 U	0.078 U	0.074 U	0.079 U	0.077 U	0.074 U	0.076 U	0.075 U	0.076 U	0.070 U
2-Chloronaphthalene	NA	NA	NA	NA	NA	0.36 U	0.38 U	0.36 U	0.39 U	0.38 U	0.36 U	0.37 U	0.37 U	0.37 U	0.34 U
2-Chlorophenol	NA	NA	NA	NA	NA	0.36 U	0.38 U	0.36 U	0.39 U	0.38 U	0.36 U	0.37 U	0.37 U	0.37 U	0.34 U
2-Methylnaphthalene	NA	NA	NA	NA	NA	0.36 U	0.38 U	0.36 U	0.39 U	0.38 U	0.36 U	0.37 U	0.37 U	0.37 U	0.34 U
2-Methylphenol	0.33	100	100	500	0.33	0.36 U	0.38 U	0.36 U	0.39 U	0.38 U	0.36 U	0.37 U	0.37 U	0.37 U	0.34 U
2-Nitroaniline	NA	NA	NA	NA	NA	0.73 U	0.78 U	0.74 U	0.79 U	0.77 U	0.74 U	0.76 U	0.75 U	0.76 U	0.70 U
2-Nitrophenol	NA	NA	NA	NA	NA	0.36 U	0.38 U	0.36 U	0.39 U	0.38 U	0.36 U	0.37 U	0.37 U	0.37 U	0.34 U
3,3'-Dichlorobenzidine	NA	NA	NA	NA	NA	0.73 U	0.78 U	0.74 U	0.79 U	0.77 U	0.74 U	0.76 U	0.75 U	0.76 U	0.70 U
3-Nitroaniline	NA	NA	NA	NA	NA	0.73 U	0.78 U	0.74 U	0.79 U	0.77 U	0.74 U	0.76 U	0.75 U	0.76 U	0.70 U
4,6-Dinitro-2-methylphenol	NA	NA	NA	NA	NA	1.1 U	1.2 U	1.1 U	1.2 U	1.2 U	1.1 U	1.1 U	1.1 U	1.1 U	1.0 U
4-Bromophenyl phenyl ether	NA	NA	NA	NA	NA	0.36 U	0.38 U	0.36 U	0.39 U	0.38 U	0.36 U	0.37 U	0.37 U	0.37 U	0.34 U
4-Chloro-3-methylphenol	NA	NA	NA	NA	NA	0.36 U	0.38 U	0.36 U	0.39 U	0.38 U	0.36 U	0.37 U	0.37 U	0.37 U	0.34 U
4-Chloroaniline	NA	NA	NA	NA	NA	0.36 U	0.38 U	0.36 U	0.39 U	0.38 U	0.36 U	0.37 U	0.37 U	0.37 U	0.34 U
4-Chlorophenyl phenyl ether	NA	NA	NA	NA	NA	0.36 U	0.38 U	0.36 U	0.39 U	0.38 U	0.36 U	0.37 U	0.37 U	0.37 U	0.34 U
4-Methylphenol	0.33	34	100	500	0.33	0.36 U	0.38 U	0.36 U	0.39 U	0.38 U	0.36 U	0.37 U	0.37 U	0.37 U	0.34 U
4-Nitroaniline	NA	NA	NA	NA	NA	0.73 U	0.78 U	0.74 U	0.79 U	0.77 U	0.74 U	0.76 U	0.75 U	0.76 U	0.70 U
4-Nitrophenol	NA	NA	NA	NA	NA	1.1 U	1.2 U	1.1 U	1.2 U	1.2 U	1.1 U	1.1 U	1.1 U	1.1 U	1.0 U
Acenaphthene	20	100	100	500	98	0.069 J	0.38 U	0.20 J	0.39 U	0.38 U	0.36 U	0.37 U	0.37 U	0.37 U	0.34 U
Acenaphthylene	100	100	100	500	107	0.36 U	0.38 U	0.36 U	0.39 U	0.38 U	0.36 U	0.37 U	0.37 U	0.37 U	0.34 U
Acetophenone	NA	NA	NA	NA	NA	0.36 U	0.38 U	0.36 U	0.39 U	0.38 U	0.36 U	0.37 U	0.37 U	0.37 U	0.34 U
Anthracene	100	100	100	500	1,000	0.18 J	0.38 U	0.53	0.39 U	0.38 U	0.36 U	0.37 U	0.047 J	0.37 U	0.34 U
Atrazine	NA	NA	NA	NA	NA	0.36 U	0.38 U	0.36 U	0.39 U	0.38 U	0.36 U	0.37 U	0.37 U	0.37 U	0.34 U
Benzaldehyde	NA	NA	NA	NA	NA	0.36 U	0.38 U	0.36 U	0.39 U	0.38 U	0.36 U	0.37 U	0.37 U	0.37 U	0.34 U
Benzo[a]anthracene	1	1	1	5.6	1	0.77	0.038 U	1.9	0.039 U	0.038 U	0.036 U	0.037 U	0.037 U	0.21	0.096
Benzo[a]pyrene	1	1	1	1	22	0.86	0.055	2.0	0.050	0.078	0.036 U	0.068	0.037 U	0.24	0.097
Benzo[b]fluoranthene	1	1	1	5.6	1.7	1.1	0.055	2.4	0.046	0.097	0.036 U	0.077	0.037 U	0.31	0.11
Benzo[g,h,i]perylene	100	100	100	500	1,000	0.51	0.38 U	1.2	0.39 U	0.043 J	0.36 U	0.029 J	0.37 U	0.11 J	0.036 J
Benzo[k]fluoranthene	0.8	1	3.9	56	1.7	0.37	0.038 U	1.0	0.039 U	0.038 U	0.036 U	0.026 J	0.037 U	0.097	0.051
Bis(2-chloroethoxy)methane	NA	NA	NA	NA	NA	0.36 U	0.38 U	0.36 U	0.39 U	0.38 U	0.36 U	0.37 U	0.37 U	0.37 U	0.34 U
Bis(2-chloroethyl)ether	NA	NA	NA	NA	NA	0.036 U	0.038 U	0.036 U	0.039 U	0.038 U	0.036 U	0.037 U	0.037 U	0.037 U	0.034 U
Bis(2-ethylhexyl) phthalate	NA	NA	NA	NA	NA	0.36 U	0.38 U	0.36 U	0.39 U	0.38 U	0.36 U	0.37 U	0.37 U	0.37 U	0.34 U
Butyl benzyl phthalate	NA	NA	NA	NA	NA	0.36 U	0.38 U	0.36 U	0.39 U	0.045 J	0.36 U	0.37 U	0.37 U	0.37 U	0.34 U
Caprolactam	NA	NA	NA	NA	NA	0.36 U	0.38 U	0.36 U	0.39 U	0.38 U	0.36 U	0.37 U	0.37 U	0.37 U	0.34 U
Carbazole	NA	NA	NA	NA	NA	0.049 J	0.38 U	0.17 J	0.39 U	0.38 U	0.36 U	0.37 U	0.37 U	0.37 U	0.34 U
Chrysene	1	1	3.9	56	1	0.79	0.38 U	1.9	0.39 U	0.060 J	0.36 U	0.055 J	0.37 U	0.20 J	0.084 J
Dibenz(a,h)anthracene	0.33	0.33	0.33	0.56	1,000	0.11	0.038 U	0.31	0.039 U	0.038 U	0.036 U	0.037 U	0.037 U	0.038	0.034 U
Dibenzofuran	7	14	59	350	210	0.36 U	0.38 U	0.070 J	0.39 U	0.38 U	0.36 U	0.37 U	0.37 U	0.37 U	0.34 U
Diethyl phthalate	NA	NA	NA	NA	NA	0.32 J B	0.18 J B	0.22 J B	0.19 J B	0.076 J B	0.16 J B	0.17 J B	0.14 J B	0.099 J B	0.13 J B
Dimethyl phthalate	NA	NA	NA	NA	NA	0.36 U	0.38 U	0.36 U	0.39 U	0.38 U	0.36 U	0.37 U	0.37 U	0.37 U	0.34 U
Di-n-butyl phthalate	NA	NA	NA	NA	NA	0.36 U	0.38 U	0.36 U	0.39 U	0.38 U	0.36 U	0.37 U	0.18 J	0.37 U	0.34 U
Di-n-octyl phthalate	NA	NA	NA	NA	NA	0.36 U	0.38 U	0.36 U	0.39 U	0.38 U	0.36 U	0.37 U	0.37 U	0.37 U	0.34 U
Diphenyl	NA	NA	NA	NA	NA	0.36 U	0.38 U	0.36 U	0.39 U	0.38 U	0.36 U	0.37 U	0.37 U	0.37 U	0.34 U
Fluoranthene	100	100	100	500	1,000	1.7	0.080 J	4.1	0.39 U	0.12 J	0.36 U	0.11 J	0.070 J	0.38	0.21 J
Fluorene	30	100	100	500	386	0.050 J	0.38 U	0.16 J	0.39 U	0.38 U	0.36 U	0.37 U	0.37 U	0.37 U	0.34 U
Hexachlorobenzene	0.33	0.33	1.2	6	3.2	0.036 U	0.038 U	0.036 U	0.039 U	0.038 U	0.036 U	0.037 U	0.037 U	0.037 U	0.034 U
Hexachlorobutadiene	NA	NA	NA	NA	NA	0.073 U	0.078 U	0.074 U	0.079 U	0.077 U	0.074 U	0.076 U	0.075 U	0.076 U	0.070 U
Hexachlorocyclopentadiene	NA	NA	NA	NA	NA	0.36 U	0.38 U	0.36 U	0.39 U	0.38 U	0.36 U	0.37 U	0.37 U	0.37 U	0.34 U
Hexachloroethane	NA	NA	NA	NA	NA	0.036 U	0.038 U	0.036 U	0.039 U	0.038 U	0.036 U	0.037 U	0.037 U	0.037 U	0.034 U
Indeno[1,2,3-cd]pyrene	0.5	0.5	0.5	5.6	8.2	0.53	0.038 U	1.3	0.039 U	0.053	0.036 U	0.039	0.037 U	0.13	0.051
Isophorone	NA	NA	NA	NA	NA	0.36 U	0.38 U	0.36 U	0.39 U	0.38 U	0.36 U	0.37 U	0.37 U	0.37 U	0.34 U
Naphthalene	12	100	100	500	12	0.36 U	0.38 U	0.36 U	0.39 U	0.38 U	0.36 U	0.37 U	0.37 U	0.37 U	0.34 U
Nitrobenzene	NA	NA	NA	NA	NA	0.036 U	0.038 U	0.036 U	0.039 U	0.038 U	0.036 U	0.037 U	0.037 U	0.037 U	0.034 U
N-Nitrosodi-n-propylamine	NA	NA	NA	NA	NA	0.036 U	0.038 U	0.036 U	0.039 U	0.038 U	0.036 U	0.037 U	0.037 U	0.037 U	0.034 U
N-Nitrosodiphenylamine	NA	NA	NA	NA	NA	0.36 U	0.38 U	0.36 U	0.39 U	0.38 U	0.36 U	0.37 U	0.37 U	0.37 U	0.34 U
Pentachlorophenol	0.8	2.4	6.7	6.7	0.8	1.1 U	1.2 U	1.1 U	1.2 U	1.2 U	1.1 U	1.1 U	1.1 U	1.1 U	1.0 U
Phenanthrene	100	100	100	500	1,000	0.98	0.053 J	2.5	0.39 U	0.060 J	0.36 U	0.080 J	0.37 U	0.13 J	0.16 J
Phenol	0.33	100	100	500	0.33	0.36 U	0.38 U	0.36 U	0.39 U	0.38 U	0.36 U	0.37 U	0.37 U	0.37 U	0.34 U
Pyrene	100	100	100	500	1,000	1.7	0.090 J	4.0	0.077 J	0.11 J	0.36 U	0.13 J	0.047 J	0.36 J	0.18 J
Pyridine	NA	NA	NA	NA	NA	0.36 U	0.38 U	0.36 U	0.39 U	0.38 U	0.36 U	0.37 U	0.37 U	0.37 U	0.34 U
Total SVOC TICs	NA	NA	NA	NA	NA	0.51	ND	2.30	ND	ND	ND	ND	ND	ND	ND

Notes
ND: TIC not detected
D : The reported value is from a dilution.
J : Indicates an estimated value.
J N : Indicates an estimated value.
U : Analyzed for but not detected.



Table 6-62
TCL SVOCs Soil Analytical Data
C6-13 Original Sample Location - Post Excavation Data

TCL SVOCs (mg/kg)	NYSDEC SCOs					Post-excavation End-point Soil Analytical Data									
	NYSDEC Unrestricted SCO	Residential	Restricted Residential	Commercial	Protection of Groundwater	Supplemental Sidewall Samples									
						C6-EP#56 (1')	C6-EP#57 (1')	C6-EP#58 (2')	C6-EP#59 (1')	C6-EP#60 (1')	C6-EP#60 BD (4')	C6-EP#61 (2')	C6-EP#62 (1')	C6-EP#63 (4')	C6-EP#64 (1')
1,2,4,5-Tetrachlorobenzene	NA	NA	NA	NA	NA	0.37 U	0.36 U	0.35 U	0.36 U	0.35 U	0.34 U	0.35 U	0.35 U	0.38 U	0.34 U
1,4-Dioxane	0.1	9.8	13	130	0.1	0.37 U	0.36 U	0.35 U	0.36 U	0.35 U	0.34 U	0.35 U	0.35 U	0.38 U	0.34 U
2,2'-oxybis[1-chloropropane]	NA	NA	NA	NA	NA	0.37 U	0.36 U	0.35 U	0.36 U	0.35 U	0.34 U	0.35 U	0.35 U	0.38 U	0.34 U
2,3,4,6-Tetrachlorophenol	NA	NA	NA	NA	NA	0.37 U	0.36 U	0.35 U	0.36 U	0.35 U	0.34 U	0.35 U	0.35 U	0.38 U	0.34 U
2,4,5-Trichlorophenol	NA	NA	NA	NA	NA	0.37 U	0.36 U	0.35 U	0.36 U	0.35 U	0.34 U	0.35 U	0.35 U	0.38 U	0.34 U
2,4,6-Trichlorophenol	NA	NA	NA	NA	NA	0.37 U	0.36 U	0.35 U	0.36 U	0.35 U	0.34 U	0.35 U	0.35 U	0.38 U	0.34 U
2,4-Dichlorophenol	NA	NA	NA	NA	NA	0.37 U	0.36 U	0.35 U	0.36 U	0.35 U	0.34 U	0.35 U	0.35 U	0.38 U	0.34 U
2,4-Dimethylphenol	NA	NA	NA	NA	NA	0.37 U	0.36 U	0.35 U	0.36 U	0.35 U	0.34 U	0.35 U	0.35 U	0.38 U	0.34 U
2,4-Dinitrophenol	NA	NA	NA	NA	NA	1.1 U	1.1 U	1.1 U	1.1 U	1.0 U	1.0 U	1.1 U	1.1 U	1.2 U	1.0 U
2,4-Dinitrotoluene	NA	NA	NA	NA	NA	0.075 U	0.072 U	0.071 U	0.072 U	0.070 U	0.070 U	0.072 U	0.071 U	0.077 U	0.068 U
2,6-Dinitrotoluene	NA	NA	NA	NA	NA	0.075 U	0.072 U	0.071 U	0.072 U	0.070 U	0.070 U	0.072 U	0.071 U	0.077 U	0.068 U
2-Chloronaphthalene	NA	NA	NA	NA	NA	0.37 U	0.36 U	0.35 U	0.36 U	0.35 U	0.34 U	0.35 U	0.35 U	0.38 U	0.34 U
2-Chlorophenol	NA	NA	NA	NA	NA	0.37 U	0.36 U	0.35 U	0.36 U	0.35 U	0.34 U	0.35 U	0.35 U	0.38 U	0.34 U
2-Methylnaphthalene	NA	NA	NA	NA	NA	0.37 U	0.36 U	0.35 U	0.36 U	0.35 U	0.34 U	0.35 U	0.35 U	0.38 U	0.34 U
2-Methylphenol	0.33	100	100	500	0.33	0.37 U	0.36 U	0.35 U	0.36 U	0.35 U	0.34 U	0.35 U	0.35 U	0.38 U	0.34 U
2-Nitroaniline	NA	NA	NA	NA	NA	0.75 U	0.72 U	0.71 U	0.72 U	0.70 U	0.70 U	0.72 U	0.71 U	0.77 U	0.68 U
2-Nitrophenol	NA	NA	NA	NA	NA	0.37 U	0.36 U	0.35 U	0.36 U	0.35 U	0.34 U	0.35 U	0.35 U	0.38 U	0.34 U
3,3'-Dichlorobenzidine	NA	NA	NA	NA	NA	0.75 U	0.72 U	0.71 U	0.72 U	0.70 U	0.70 U	0.72 U	0.71 U	0.77 U	0.68 U
3-Nitroaniline	NA	NA	NA	NA	NA	0.75 U	0.72 U	0.71 U	0.72 U	0.70 U	0.70 U	0.72 U	0.71 U	0.77 U	0.68 U
4,6-Dinitro-2-methylphenol	NA	NA	NA	NA	NA	1.1 U	1.1 U	1.1 U	1.1 U	1.0 U	1.0 U	1.1 U	1.1 U	1.2 U	1.0 U
4-Bromophenyl phenyl ether	NA	NA	NA	NA	NA	0.37 U	0.36 U	0.35 U	0.36 U	0.35 U	0.34 U	0.35 U	0.35 U	0.38 U	0.34 U
4-Chloro-3-methylphenol	NA	NA	NA	NA	NA	0.37 U	0.36 U	0.35 U	0.36 U	0.35 U	0.34 U	0.35 U	0.35 U	0.38 U	0.34 U
4-Chloroaniline	NA	NA	NA	NA	NA	0.37 U	0.36 U	0.35 U	0.36 U	0.35 U	0.34 U	0.35 U	0.35 U	0.38 U	0.34 U
4-Chlorophenyl phenyl ether	NA	NA	NA	NA	NA	0.37 U	0.36 U	0.35 U	0.36 U	0.35 U	0.34 U	0.35 U	0.35 U	0.38 U	0.34 U
4-Methylphenol	0.33	34	100	500	0.33	0.37 U	0.36 U	0.35 U	0.36 U	0.35 U	0.34 U	0.35 U	0.35 U	0.38 U	0.34 U
4-Nitroaniline	NA	NA	NA	NA	NA	0.75 U	0.72 U	0.71 U	0.72 U	0.70 U	0.70 U	0.72 U	0.71 U	0.77 U	0.68 U
4-Nitrophenol	NA	NA	NA	NA	NA	1.1 U	1.1 U	1.1 U	1.1 U	1.0 U	1.0 U	1.1 U	1.1 U	1.2 U	1.0 U
Acenaphthene	20	100	100	500	98	0.37 U	0.36 U	0.24 J	0.36 U	0.35 U	0.34 U	0.25 J	0.35 U	0.090 J	0.34 U
Acenaphthylene	100	100	100	500	107	0.37 U	0.36 U	0.35 U	0.36 U	0.35 U	0.34 U	0.35 U	0.35 U	0.38 U	0.34 U
Acetophenone	NA	NA	NA	NA	NA	0.37 U	0.36 U	0.35 U	0.36 U	0.35 U	0.34 U	0.35 U	0.35 U	0.38 U	0.34 U
Anthracene	100	100	100	500	1,000	0.37 U	0.059 J	0.67	0.36 U	0.35 U	0.34 U	1.2	0.35 U	0.095 J	0.34 U
Atrazine	NA	NA	NA	NA	NA	0.37 U	0.36 U	0.35 U	0.36 U	0.35 U	0.34 U	0.35 U	0.35 U	0.38 U	0.34 U
Benzaldehyde	NA	NA	NA	NA	NA	0.37 U	0.36 U	0.35 U	0.36 U	0.35 U	0.34 U	0.35 U	0.35 U	0.38 U	0.34 U
Benzo[a]anthracene	1	1	1	5.6	1	0.037 U	0.21	2.3	0.036 U	0.035 U	0.034 U	3.0	0.035 U	0.14	0.034 U
Benzo[a]pyrene	1	1	1	1	22	0.041	0.19	2.5	0.036 U	0.040	0.029 J	2.8	0.031 J	0.12	0.034 U
Benzo[b]fluoranthene	1	1	1	5.6	1.7	0.066	0.24	2.8	0.036 U	0.047	0.036	3.6	0.050	0.15	0.034 U
Benzo[g,h,i]perylene	100	100	100	500	1,000	0.37 U	0.10 J	2.1	0.36 U	0.35 U	0.34 U	2.1	0.35 U	0.066 J	0.34 U
Benzo[k]fluoranthene	0.8	1	3.9	56	1.7	0.023 J	0.10	1.1	0.036 U	0.022 J	0.021 J	1.2	0.024 J	0.068	0.034 U
Bis(2-chloroethoxy)methane	NA	NA	NA	NA	NA	0.37 U	0.36 U	0.35 U	0.36 U	0.35 U	0.34 U	0.35 U	0.35 U	0.38 U	0.34 U
Bis(2-chloroethyl)ether	NA	NA	NA	NA	NA	0.037 U	0.036 U	0.035 U	0.036 U	0.035 U	0.034 U	0.035 U	0.035 U	0.038 U	0.034 U
Bis(2-ethylhexyl) phthalate	NA	NA	NA	NA	NA	0.37 U	0.36 U	0.35 U	0.36 U	0.35 U	0.34 U	0.35 U	0.35 U	0.38 U	0.34 U
Butyl benzyl phthalate	NA	NA	NA	NA	NA	0.37 U	0.36 U	0.35 U	0.36 U	0.35 U	0.34 U	0.35 U	0.35 U	0.38 U	0.34 U
Caprolactam	NA	NA	NA	NA	NA	0.37 U	0.36 U	0.35 U	0.36 U	0.35 U	0.34 U	0.35 U	0.35 U	0.38 U	0.34 U
Carbazole	NA	NA	NA	NA	NA	0.37 U	0.36 U	0.23 J	0.36 U	0.35 U	0.34 U	0.40	0.35 U	0.046 J	0.34 U
Chrysene	1	1	3.9	56	1	0.050 J	0.23 J	2.4	0.36 U	0.35 U	0.34 U	2.8	0.35 U	0.13 J	0.34 U
Dibenz(a,h)anthracene	0.33	0.33	0.33	0.56	1,000	0.037 U	0.017 J	0.43	0.036 U	0.035 U	0.034 U	0.63	0.035 U	0.013 J	0.034 U
Dibenzofuran	7	14	59	350	210	0.37 U	0.36 U	0.083 J	0.36 U	0.35 U	0.34 U	0.24 J	0.35 U	0.047 J	0.34 U
Diethyl phthalate	NA	NA	NA	NA	NA	0.37 U	0.36 U	0.35 U	0.36 U	0.35 U	0.34 U	0.35 U	0.35 U	0.38 U	0.34 U
Dimethyl phthalate	NA	NA	NA	NA	NA	0.37 U	0.36 U	0.35 U	0.36 U	0.35 U	0.34 U	0.35 U	0.35 U	0.38 U	0.34 U
Di-n-butyl phthalate	NA	NA	NA	NA	NA	0.37 U	0.36 U	0.35 U	0.36 U	0.35 U	0.34 U	0.35 U	0.35 U	0.38 U	0.34 U
Di-n-octyl phthalate	NA	NA	NA	NA	NA	0.37 U	0.36 U	0.35 U	0.36 U	0.35 U	0.34 U	0.35 U	0.35 U	0.38 U	0.34 U
Diphenyl	NA	NA	NA	NA	NA	0.37 U	0.36 U	0.35 U	0.36 U	0.35 U	0.34 U	0.35 U	0.35 U	0.38 U	0.34 U
Fluoranthene	100	100	100	500	1,000	0.12 J	0.48	4.9	0.36 U	0.059 J	0.062 J	7.6	0.084 J	0.36 J	0.34 U
Fluorene	30	100	100	500	386	0.37 U	0.36 U	0.19 J	0.36 U	0.35 U	0.34 U	0.22 J	0.35 U	0.084 J	0.34 U
Hexachlorobenzene	0.33	0.33	1.2	6	3.2	0.037 U	0.036 U	0.035 U	0.036 U	0.035 U	0.034 U	0.035 U	0.035 U	0.038 U	0.034 U
Hexachlorobutadiene	NA	NA	NA	NA	NA	0.075 U	0.072 U	0.071 U	0.072 U	0.070 U	0.070 U	0.072 U	0.071 U	0.077 U	0.068 U
Hexachlorocyclopentadiene	NA	NA	NA	NA	NA	0.37 U	0.36 U	0.35 U	0.36 U	0.35 U	0.34 U	0.35 U	0.35 U	0.38 U	0.34 U
Hexachloroethane	NA	NA	NA	NA	NA	0.037 U	0.036 U	0.035 U	0.036 U	0.035 U	0.034 U	0.035 U	0.035 U	0.038 U	0.034 U
Indeno[1,2,3-cd]pyrene	0.5	0.5	0.5	5.6	8.2	0.021 J	0.12	2.5	0.036 U	0.034 J	0.013 J	2.8	0.035 U	0.088	0.034 U
Isophorone	NA	NA	NA	NA	NA	0.37 U	0.36 U	0.35 U	0.36 U	0.35 U	0.34 U	0.35 U	0.35 U	0.38 U	0.34 U
Naphthalene	12	100	100	500	12	0.37 U	0.36 U	0.053 J	0.36 U	0.35 U	0.34 U	0.35 U	0.35 U	0.38 U	0.34 U
Nitrobenzene	NA	NA	NA	NA	NA	0.037 U	0.036 U	0.035 U	0.036 U	0.035 U	0.034 U	0.035 U	0.035 U	0.038 U	0.034 U
N-Nitrosodi-n-propylamine	NA	NA	NA	NA	NA	0.037 U	0.036 U	0.035 U	0.036 U	0.035 U	0.034 U	0.035 U	0.035 U	0.038 U	0.034 U
N-Nitrosodiphenylamine	NA	NA	NA	NA	NA	0.37 U	0.36 U	0.35 U	0.36 U	0.35 U	0.34 U	0.35 U	0.35 U	0.38 U	0.34 U
Pentachlorophenol	0.8	2.4	6.7	6.7	0.8	1.1 U	1.1 U	1.1 U	1.1 U	1.0 U	1.0 U	1.1 U	1.1 U	1.2 U	1.0 U
Phenanthrene	100	100	100	500	1,000	0.063 J	0.40	3.4	0.36 U	0.35 U	0.34 U	4.9	0.047 J	0.42	0.34 U
Phenol	0.33	100	100	500	0.33	0.37 U	0.36 U	0.35 U	0.36 U	0.35 U	0.34 U	0.35 U	0.35 U	0.38 U	0.34 U
Pyrene	100	100	100	500	1,000	0.095 J	0.49	4.1	0.36 U	0.064 J	0.049 J	4.5	0.064 J	0.27 J	0.34 U
Pyridine	NA	NA	NA	NA	NA	0.37 U	0.36 U	0.35 U	0.36 U	0.35 U	0.34 U	0.35 U	0.35 U	0.38 U	0.34 U
Total SVOC TICs	NA	NA	NA	NA	NA	ND	ND	4.91	ND	ND	ND	2.41	ND	ND	ND

Notes
ND: TIC not detected
D : The reported value is from a dilution.
J : Indicates an estimated value.
J N : Indicates an estimated value.
U : Analyzed for but not detected.



Table 6-62
TCL SVOCs Soil Analytical Data
C6-13 Original Sample Location - Post Excavation Data

TCL SVOCs (mg/kg)	NYSDEC SCOs					Post-excavation End-point Soil Analytical Data																		
	Unrestricted SCO	Residential	Restricted Residential	Commercial	Protection of Groundwater	Supplemental Side-wall Samples										Supplemental Side-wall Samples								
						C6-EP#65 (4')	C6-EP#66 (1')	C6-EP#67 (4')	C6-EP#68 (1')	C6-EP#69 (4')	C6-EP#70 (1')	C6-EP#71 (4')	C6-EP#72 (1')	C6-EP#73 (4')	C6-EP#73 BD (1')	C6-EP#74 (4')	C6-EP#75 (4')	C6-EP#76 (4')	C6-EP#77 (4')	C6-EP#78 (4')	C6-EP#79 (4')	C6-EP#80 (4')	C6-EP#81 (4')	
1,2,4,5-Tetrachlorobenzene	NA	NA	NA	NA	NA	0.36 U	0.34 U	0.35 U	0.34 U	0.42 U	0.35 U	0.39 U	0.34 U	0.38 U	0.38 U	0.38 U	0.36 U	0.37 U	1.9 U	3.5 U	0.34 U	0.34 U	7.0 U	
1,4-Dioxane	0.1	9.8	13	130	0.1	0.36 U	0.34 U	0.35 U	0.34 U	0.42 U	0.35 U	0.39 U	0.34 U	0.38 U	0.38 U	0.38 U	0.36 U	0.37 U	1.9 U	3.5 U	0.34 U	0.34 U	7.0 U	
2,2'-oxybis[1-chloropropane]	NA	NA	NA	NA	NA	0.36 U	0.34 U	0.35 U	0.34 U	0.42 U	0.35 U	0.39 U	0.34 U	0.38 U	0.38 U	0.38 U	0.36 U	0.37 U	1.9 U	3.5 U	0.34 U	0.34 U	7.0 U	
2,3,4,6-Tetrachlorophenol	NA	NA	NA	NA	NA	0.36 U	0.34 U	0.35 U	0.34 U	0.42 U	0.35 U	0.39 U	0.34 U	0.38 U	0.38 U	0.38 U	0.36 U	0.37 U	1.9 U	3.5 U	0.34 U	0.34 U	7.0 U	
2,4,5-Trichlorophenol	NA	NA	NA	NA	NA	0.36 U	0.34 U	0.35 U	0.34 U	0.42 U	0.35 U	0.39 U	0.34 U	0.38 U	0.38 U	0.38 U	0.36 U	0.37 U	1.9 U	3.5 U	0.34 U	0.34 U	7.0 U	
2,4,6-Trichlorophenol	NA	NA	NA	NA	NA	0.36 U	0.34 U	0.35 U	0.34 U	0.42 U	0.35 U	0.39 U	0.34 U	0.38 U	0.38 U	0.38 U	0.36 U	0.37 U	1.9 U	3.5 U	0.34 U	0.34 U	7.0 U	
2,4-Dichlorophenol	NA	NA	NA	NA	NA	0.36 U	0.34 U	0.35 U	0.34 U	0.42 U	0.35 U	0.39 U	0.34 U	0.38 U	0.38 U	0.38 U	0.36 U	0.37 U	1.9 U	3.5 U	0.34 U	0.34 U	7.0 U	
2,4-Dimethylphenol	NA	NA	NA	NA	NA	0.36 U	0.34 U	0.35 U	0.34 U	0.42 U	0.35 U	0.39 U	0.34 U	0.38 U	0.38 U	0.38 U	0.36 U	0.37 U	1.9 U	3.5 U	0.34 U	0.34 U	7.0 U	
2,4-Dinitrophenol	NA	NA	NA	NA	NA	1.1 U	1.0 U	1.1 U	1.0 U	1.3 U	1.1 U	1.2 U	1.0 U	1.2 U	1.1 U	0.77 U	0.72 U	0.75 U	3.8 U	7.1 U	0.69 U	0.69 U	14 U	
2,4-Dinitrotoluene	NA	NA	NA	NA	NA	0.074 U	0.069 U	0.071 U	0.069 U	0.085 U	0.071 U	0.079 U	0.069 U	0.077 U	0.076 U	0.077 U	0.072 U	0.075 U	0.38 U	0.71 U	0.069 U	0.069 U	1.4 U	
2,6-Dinitrotoluene	NA	NA	NA	NA	NA	0.074 U	0.069 U	0.071 U	0.069 U	0.085 U	0.071 U	0.079 U	0.069 U	0.077 U	0.076 U	0.077 U	0.072 U	0.075 U	0.38 U	0.71 U	0.069 U	0.069 U	1.4 U	
2-Chloronaphthalene	NA	NA	NA	NA	NA	0.36 U	0.34 U	0.35 U	0.34 U	0.42 U	0.35 U	0.39 U	0.34 U	0.38 U	0.38 U	0.38 U	0.36 U	0.37 U	1.9 U	3.5 U	0.34 U	0.34 U	7.0 U	
2-Chlorophenol	NA	NA	NA	NA	NA	0.36 U	0.34 U	0.35 U	0.34 U	0.42 U	0.35 U	0.39 U	0.34 U	0.38 U	0.38 U	0.38 U	0.36 U	0.37 U	1.9 U	3.5 U	0.34 U	0.34 U	7.0 U	
2-Methylnaphthalene	NA	NA	NA	NA	NA	0.36 U	0.34 U	0.35 U	0.34 U	0.42 U	0.35 U	0.39 U	0.34 U	0.15 J	0.38 U	0.38 U	0.36 U	0.37 U	0.24 J	3.5 U	0.34 U	0.34 U	2.5 J	
2-Methylphenol	0.33	100	100	500	0.33	0.36 U	0.34 U	0.35 U	0.34 U	0.42 U	0.35 U	0.39 U	0.34 U	0.38 U	0.38 U	0.38 U	0.36 U	0.37 U	1.9 U	3.5 U	0.34 U	0.34 U	7.0 U	
2-Nitroaniline	NA	NA	NA	NA	NA	0.74 U	0.69 U	0.71 U	0.69 U	0.85 U	0.71 U	0.79 U	0.69 U	0.77 U	0.76 U	0.77 U	0.72 U	0.75 U	3.8 U	7.1 U	0.69 U	0.69 U	7.0 U	
2-Nitrophenol	NA	NA	NA	NA	NA	0.36 U	0.34 U	0.35 U	0.34 U	0.42 U	0.35 U	0.39 U	0.34 U	0.38 U	0.38 U	0.38 U	0.36 U	0.37 U	1.9 U	3.5 U	0.34 U	0.34 U	7.0 U	
3,3'-Dichlorobenzidine	NA	NA	NA	NA	NA	0.74 U	0.69 U	0.71 U	0.69 U	0.85 U	0.71 U	0.79 U	0.69 U	0.77 U	0.76 U	0.77 U	0.72 U	0.75 U	3.8 U	7.1 U	0.69 U	0.69 U	7.0 U	
3-Nitroaniline	NA	NA	NA	NA	NA	0.74 U	0.69 U	0.71 U	0.69 U	0.85 U	0.71 U	0.79 U	0.69 U	0.77 U	0.76 U	0.77 U	0.72 U	0.75 U	3.8 U	7.1 U	0.69 U	0.69 U	7.0 U	
4,6-Dinitro-2-methylphenol	NA	NA	NA	NA	NA	1.1 U	1.0 U	1.1 U	1.0 U	1.3 U	1.1 U	1.2 U	1.0 U	1.2 U	1.1 U	0.77 U	0.72 U	0.75 U	3.8 U	7.1 U	0.69 U	0.69 U	14 U	
4-Bromophenyl phenyl ether	NA	NA	NA	NA	NA	0.36 U	0.34 U	0.35 U	0.34 U	0.42 U	0.35 U	0.39 U	0.34 U	0.38 U	0.38 U	0.38 U	0.36 U	0.37 U	1.9 U	3.5 U	0.34 U	0.34 U	7.0 U	
4-Chloro-3-methylphenol	NA	NA	NA	NA	NA	0.36 U	0.34 U	0.35 U	0.34 U	0.42 U	0.35 U	0.39 U	0.34 U	0.38 U	0.38 U	0.38 U	0.36 U	0.37 U	1.9 U	3.5 U	0.34 U	0.34 U	7.0 U	
4-Chloroaniline	NA	NA	NA	NA	NA	0.36 U	0.34 U	0.35 U	0.34 U	0.42 U	0.35 U	0.39 U	0.34 U	0.38 U	0.38 U	0.38 U	0.36 U	0.37 U	1.9 U	3.5 U	0.34 U	0.34 U	7.0 U	
4-Chlorophenyl phenyl ether	NA	NA	NA	NA	NA	0.36 U	0.34 U	0.35 U	0.34 U	0.42 U	0.35 U	0.39 U	0.34 U	0.38 U	0.38 U	0.38 U	0.36 U	0.37 U	1.9 U	3.5 U	0.34 U	0.34 U	7.0 U	
4-Methylphenol	0.33	34	100	500	0.33	0.36 U	0.34 U	0.35 U	0.34 U	0.42 U	0.35 U	0.39 U	0.34 U	0.38 U	0.38 U	0.38 U	0.36 U	0.37 U	1.9 U	3.5 U	0.34 U	0.34 U	7.0 U	
4-Nitroaniline	NA	NA	NA	NA	NA	0.74 U	0.69 U	0.71 U	0.69 U	0.85 U	0.71 U	0.79 U	0.69 U	0.77 U	0.76 U	0.77 U	0.72 U	0.75 U	3.8 U	7.1 U	0.69 U	0.69 U	14 U	
4-Nitrophenol	NA	NA	NA	NA	NA	1.1 U	1.0 U	1.1 U	1.0 U	1.3 U	1.1 U	1.2 U	1.0 U	1.2 U	1.1 U	0.77 U	0.72 U	0.75 U	3.8 U	7.1 U	0.69 U	0.69 U	7.0 U	
Acenaphthene	20	100	100	500	98	0.36 U	0.34 U	0.35 U	0.34 U	0.42 U	0.35 U	0.39 U	0.34 U	0.44	0.38 U	0.38 U	0.36 U	0.37 U	1.2 J	2.2 J	0.34 U	0.34 U	9.4	
Acenaphthylene	100	100	100	500	107	0.36 U	0.34 U	0.35 U	0.34 U	0.42 U	0.35 U	0.39 U	0.34 U	0.38 U	0.38 U	0.38 U	0.36 U	0.37 U	1.9 U	3.5 U	0.34 U	0.34 U	7.0 U	
Acetophenone	NA	NA	NA	NA	NA	0.36 U	0.34 U	0.35 U	0.34 U	0.42 U	0.35 U	0.39 U	0.34 U	0.38 U	0.38 U	0.38 U	0.36 U	0.37 U	1.9 U	3.5 U	0.34 U	0.34 U	7.0 U	
Anthracene	100	100	100	500	1,000	0.36 U	0.34 U	0.35 U	0.34 U	0.42 U	0.35 U	0.11 J	0.34 U	0.83	0.38 U	0.38 U	0.36 U	0.37 U	3.1	6.9	0.34 U	0.34 U	24	
Atrazine	NA	NA	NA	NA	NA	0.36 U	0.34 U	0.35 U	0.34 U	0.42 U	0.35 U	0.39 U	0.34 U	0.38 U	0.38 U	0.38 U	0.36 U	0.37 U	1.9 U	3.5 U	0.34 U	0.34 U	7.0 U	
Benzaldehyde	NA	NA	NA	NA	NA	0.36 U	0.34 U	0.35 U	0.34 U	0.42 U	0.35 U	0.39 U	0.34 U	0.38 U	0.38 U	0.38 U	0.36 U	0.37 U	1.9 U	3.5 U	0.34 U	0.34 U	7.0 U	
Benzo[a]anthracene	1	1	1	5.6	1	0.036 U	0.034 U	0.074	0.065	0.042 U	0.14	0.25	0.034 U	1.3	0.091	0.038 U	0.36 U	0.59	0.037 U	9.8	20	0.034 U	0.034 U	60
Benzo[a]pyrene	1	1	1	1	22	0.036	0.034 U	0.070	0.062	0.042 U	0.16	0.26	0.034 U	1.1	0.080	0.038 U	0.36 U	0.66	0.037 U	9.4	20	0.034 U	0.034 U	56
Benzo[b]fluoranthene	1	1	1	5.6	1.7	0.039	0.034 U	0.099	0.091	0.042 U	0.19	0.31	0.034 U	1.6	0.11	0.038 U	0.36 U	0.79	0.037 U	11	22	0.033 J	0.034 U	65
Benzo[g,h,i]perylene	100	100	100	500	1,000	0.36 U	0.34 U	0.048 J	0.040 J	0.42 U	0.076 J	0.13 J	0.34 U	0.52	0.038 J	0.38 U	0.46	0.37 U	5.5	9.1	0.34 U	0.34 U	21	
Benzo[k]fluoranthene	0.8	1	3.9	56	1.7	0.017 J	0.034 U	0.044	0.038	0.042 U	0.083	0.14	0.034 U	0.64	0.038	0.038 U	0.36 U	0.29	0.037 U	4.5	9.3	0.010 J	0.034 U	27
Bis(2-chloroethoxy)methane	NA	NA	NA	NA	NA	0.36 U	0.34 U	0.35 U	0.34 U	0.42 U	0.35 U	0.39 U	0.34 U	0.38 U	0.38 U	0.38 U	0.36 U	0.37 U	1.9 U	3.5 U	0.34 U	0.34 U	7.0 U	
Bis(2-chloroethoxy)ether	NA	NA	NA	NA	NA	0.036 U	0.034 U	0.035 U	0.034 U	0.042 U	0.035 U	0.039 U	0.034 U	0.038 U	0.038 U	0.038 U	0.36 U	0.37 U	0.19 U	0.35 U	0.34 U			

Table 6-62
TCL SVOCs Soil Analytical Data
C6-13 Original Sample Location - Post Excavation Data

TCL SVOCs (mg/kg)	NYSDEC SCOs					Post-excavation End-point Soil Analytical Data														
	NYSDEC Unrestricted SCO	Residential	Restricted Residential	Commercial	Protection of Groundwater	Bottom Samples										Supplemental Bottom Samples				
						C6-EP#20 (6.5')	C6-EP#21 (6.5')	C6-EP#22 (6.5')	C6-EP#38 (6.5')	C6-EP#39 (6.5')	C6-EP#40 (6.5')	C6-EP#41 (6.5')	C6-EP#42 (6.5')	C6-EP#42 BD (20')	C6-EP#43 (6.5')	C6-EP#44 (6.5')	C6-EP#45 (6.5')	C6-EP# 53 (8.5')	C6-EP# 54 (8.5')	C6-EP# 55 (8.5')
1,2,4,5-Tetrachlorobenzene	NA	NA	NA	NA	NA	0.37 U	0.37 U	0.38 U	0.38 U	0.40 U	0.38 U	0.42 U	0.41 U	0.40 U	3.9 U	0.41 U	0.39 U	1.0 U	0.42 U	0.40 U
1,4-Dioxane	0.1	9.8	13	130	0.1	0.37 U	0.37 U	0.38 U	0.38 U	0.40 U	0.38 U	0.42 U	0.41 U	0.40 U	3.9 U	0.41 U	0.39 U	1.0 U	0.42 U	0.40 U
2,2'-oxybis[1-chloropropane]	NA	NA	NA	NA	NA	0.37 U	0.37 U	0.38 U	0.38 U	0.40 U	0.38 U	0.42 U	0.41 U	0.40 U	3.9 U	0.41 U	0.39 U	1.0 U	0.42 U	0.40 U
2,3,4,6-Tetrachlorophenol	NA	NA	NA	NA	NA	0.37 U	0.37 U	0.38 U	0.38 U	0.40 U	0.38 U	0.42 U	0.41 U	0.40 U	3.9 U	0.41 U	0.39 U	1.0 U	0.42 U	0.40 U
2,4,5-Trichlorophenol	NA	NA	NA	NA	NA	0.37 U	0.37 U	0.38 U	0.38 U	0.40 U	0.38 U	0.42 U	0.41 U	0.40 U	3.9 U	0.41 U	0.39 U	1.0 U	0.42 U	0.40 U
2,4,6-Trichlorophenol	NA	NA	NA	NA	NA	0.37 U	0.37 U	0.38 U	0.38 U	0.40 U	0.38 U	0.42 U	0.41 U	0.40 U	3.9 U	0.41 U	0.39 U	1.0 U	0.42 U	0.40 U
2,4-Dichlorophenol	NA	NA	NA	NA	NA	0.37 U	0.37 U	0.38 U	0.38 U	0.40 U	0.38 U	0.42 U	0.41 U	0.40 U	3.9 U	0.41 U	0.39 U	1.0 U	0.42 U	0.40 U
2,4-Dimethylphenol	NA	NA	NA	NA	NA	0.37 U	0.37 U	0.38 U	0.38 U	0.40 U	0.38 U	0.42 U	0.41 U	0.40 U	3.9 U	0.41 U	0.39 U	1.0 U	0.42 U	0.40 U
2,4-Dinitrophenol	NA	NA	NA	NA	NA	1.1 U	1.1 U	1.2 U	1.2 U	1.2 U	1.1 U	1.3 U	1.2 U	1.2 U	12 U	1.3 U	1.2 U	3.0 U	1.3 U	1.2 U
2,4-Dinitrotoluene	NA	NA	NA	NA	NA	0.076 U	0.075 U	0.077 U	0.078 U	0.081 U	0.077 U	0.086 U	0.083 U	0.082 U	0.79 U	0.084 U	0.078 U	0.20 U	0.085 U	0.081 U
2,6-Dinitrotoluene	NA	NA	NA	NA	NA	0.076 U	0.075 U	0.077 U	0.078 U	0.081 U	0.077 U	0.086 U	0.083 U	0.082 U	0.79 U	0.084 U	0.078 U	0.20 U	0.085 U	0.081 U
2-Chloronaphthalene	NA	NA	NA	NA	NA	0.37 U	0.37 U	0.38 U	0.38 U	0.40 U	0.38 U	0.42 U	0.41 U	0.40 U	3.9 U	0.41 U	0.39 U	1.0 U	0.42 U	0.40 U
2-Chlorophenol	NA	NA	NA	NA	NA	0.37 U	0.37 U	0.38 U	0.38 U	0.40 U	0.38 U	0.42 U	0.41 U	0.40 U	3.9 U	0.41 U	0.39 U	1.0 U	0.42 U	0.40 U
2-Methylnaphthalene	NA	NA	NA	NA	NA	0.37 U	0.37 U	0.38 U	0.38 U	0.40 U	0.38 U	0.42 U	0.41 U	0.40 U	1.2 J	0.41 U	0.39 U	1.0 U	0.42 U	0.40 U
2-Methylphenol	0.33	100	100	500	0.33	0.37 U	0.37 U	0.38 U	0.38 U	0.40 U	0.38 U	0.42 U	0.41 U	0.40 U	3.9 U	0.41 U	0.39 U	1.0 U	0.42 U	0.40 U
2-Nitroaniline	NA	NA	NA	NA	NA	0.76 U	0.75 U	0.77 U	0.78 U	0.81 U	0.77 U	0.86 U	0.83 U	0.82 U	7.9 U	0.84 U	0.78 U	2.0 U	0.85 U	0.81 U
2-Nitrophenol	NA	NA	NA	NA	NA	0.37 U	0.37 U	0.38 U	0.38 U	0.40 U	0.38 U	0.42 U	0.41 U	0.40 U	3.9 U	0.41 U	0.39 U	1.0 U	0.42 U	0.40 U
3,3'-Dichlorobenzidine	NA	NA	NA	NA	NA	0.76 U	0.75 U	0.77 U	0.78 U	0.81 U	0.77 U	0.86 U	0.83 U	0.82 U	7.9 U	0.84 U	0.78 U	2.0 U	0.85 U	0.81 U
3-Nitroaniline	NA	NA	NA	NA	NA	0.76 U	0.75 U	0.77 U	0.78 U	0.81 U	0.77 U	0.86 U	0.83 U	0.82 U	7.9 U	0.84 U	0.78 U	2.0 U	0.85 U	0.81 U
4,6-Dinitro-2-methylphenol	NA	NA	NA	NA	NA	1.1 U	1.1 U	1.2 U	1.2 U	1.2 U	1.1 U	1.3 U	1.2 U	1.2 U	12 U	1.3 U	1.2 U	3.0 U	1.3 U	1.2 U
4-Bromophenyl phenyl ether	NA	NA	NA	NA	NA	0.37 U	0.37 U	0.38 U	0.38 U	0.40 U	0.38 U	0.42 U	0.41 U	0.40 U	3.9 U	0.41 U	0.39 U	1.0 U	0.42 U	0.40 U
4-Chloro-3-methylphenol	NA	NA	NA	NA	NA	0.37 U	0.37 U	0.38 U	0.38 U	0.40 U	0.38 U	0.42 U	0.41 U	0.40 U	3.9 U	0.41 U	0.39 U	1.0 U	0.42 U	0.40 U
4-Chloroaniline	NA	NA	NA	NA	NA	0.37 U	0.37 U	0.38 U	0.38 U	0.40 U	0.38 U	0.42 U	0.41 U	0.40 U	3.9 U	0.41 U	0.39 U	1.0 U	0.42 U	0.40 U
4-Chlorophenyl phenyl ether	NA	NA	NA	NA	NA	0.37 U	0.37 U	0.38 U	0.38 U	0.40 U	0.38 U	0.42 U	0.41 U	0.40 U	3.9 U	0.41 U	0.39 U	1.0 U	0.42 U	0.40 U
4-Methylphenol	0.33	34	100	500	0.33	0.37 U	0.37 U	0.38 U	0.38 U	0.40 U	0.38 U	0.42 U	0.41 U	0.40 U	3.9 U	0.41 U	0.39 U	1.0 U	0.42 U	0.40 U
4-Nitroaniline	NA	NA	NA	NA	NA	0.76 U	0.75 U	0.77 U	0.78 U	0.81 U	0.77 U	0.86 U	0.83 U	0.82 U	7.9 U	0.84 U	0.78 U	2.0 U	0.85 U	0.81 U
4-Nitrophenol	NA	NA	NA	NA	NA	1.1 U	1.1 U	1.2 U	1.2 U	1.2 U	1.1 U	1.3 U	1.2 U	1.2 U	12 U	1.3 U	1.2 U	3.0 U	1.3 U	1.2 U
Acenaphthene	20	100	100	500	98	0.37 U	0.37 U	0.38 U	0.38 U	0.40 U	0.38 U	0.42 U	0.41 U	0.40 U	5.9	0.41 U	0.39 U	1.0 U	0.42 U	0.40 U
Acenaphthylene	100	100	100	500	107	0.37 U	0.37 U	0.38 U	0.38 U	0.40 U	0.38 U	0.42 U	0.41 U	0.40 U	3.9 U	0.41 U	0.39 U	1.0 U	0.42 U	0.40 U
Acetophenone	NA	NA	NA	NA	NA	0.37 U	0.37 U	0.38 U	0.38 U	0.40 U	0.38 U	0.42 U	0.41 U	0.40 U	3.9 U	0.41 U	0.39 U	1.0 U	0.42 U	0.40 U
Anthracene	100	100	100	500	1,000	0.37 U	0.37 U	0.38 U	0.38 U	0.40 U	0.38 U	0.42 U	0.41 U	0.40 U	12	0.077 J	0.39 U	1.0 U	0.42 U	0.40 U
Atrazine	NA	NA	NA	NA	NA	0.37 U	0.37 U	0.38 U	0.38 U	0.40 U	0.38 U	0.42 U	0.41 U	0.40 U	3.9 U	0.41 U	0.39 U	1.0 U	0.42 U	0.40 U
Benzaldehyde	NA	NA	NA	NA	NA	0.37 U	0.37 U	0.38 U	0.38 U	0.40 U	0.38 U	0.42 U	0.41 U	0.40 U	3.9 U	0.41 U	0.39 U	1.0 U	0.42 U	0.40 U
Benzo[a]anthracene	1	1	1	5.6	1	0.053	0.037 U	0.038 U	0.038 U	0.040 U	0.038 U	0.042 U	0.041 U	0.040 U	23	0.29	0.039 U	0.10	0.042 U	0.040 U
Benzo[a]pyrene	1	1	1	22	0.041	0.037 U	0.037 U	0.0082 J	0.038 U	0.040 U	0.038 U	0.042 U	0.041 U	0.040 U	22	0.33	0.039 U	0.092 J	0.042 U	0.040 U
Benzo[b]fluoranthene	1	1	1	5.6	1.7	0.049	0.037 U	0.010 J	0.038 U	0.040 U	0.038 U	0.042 U	0.041 U	0.040 U	28	0.42	0.024 J	0.098 J	0.042 U	0.040 U
Benzo[g,h,i]perylene	100	100	100	500	1,000	0.37 U	0.37 U	0.38 U	0.38 U	0.40 U	0.38 U	0.42 U	0.41 U	0.40 U	15	0.16 J	0.39 U	0.081 J	0.42 U	0.40 U
Benzo[k]fluoranthene	0.8	1	3.9	56	1.7	0.019 J	0.037 U	0.038 U	0.038 U	0.040 U	0.038 U	0.042 U	0.041 U	0.040 U	11	0.15	0.039 U	0.041 J	0.042 U	0.040 U
Bis(2-chloroethoxy)methane	NA	NA	NA	NA	NA	0.37 U	0.37 U	0.38 U	0.38 U	0.40 U	0.38 U	0.42 U	0.41 U	0.40 U	3.9 U	0.41 U	0.39 U	1.0 U	0.42 U	0.40 U
Bis(2-chloroethyl)ether	NA	NA	NA	NA	NA	0.037 U	0.037 U	0.038 U	0.038 U	0.040 U	0.038 U	0.042 U	0.041 U	0.040 U	0.39 U	0.041 U	0.039 U	0.10 U	0.042 U	0.040 U
Bis(2-ethylhexyl) phthalate	NA	NA	NA	NA	NA	0.37 U	0.37 U	0.38 U	0.38 U	0.40 U	0.38 U	0.42 U	0.41 U	0.40 U	3.9 U	0.41 U	0.39 U	1.0 U	0.42 U	0.40 U
Butyl benzyl phthalate	NA	NA	NA	NA	NA	0.37 U	0.37 U	0.38 U	0.38 U	0.40 U	0.38 U	0.42 U	0.41 U	0.40 U	3.9 U	0.41 U	0.39 U	1.0 U	0.42 U	0.40 U
Caprolactam	NA	NA	NA	NA	NA	0.37 U	0.37 U	0.38 U	0.38 U	0.40 U	0.38 U	0.42 U	0.41 U	0.40 U	3.9 U	0.41 U	0.39 U	1.0 U	0.42 U	0.40 U
Carbazole	NA	NA	NA	NA	NA	0.37 U	0.37 U	0.38 U	0.38 U	0.40 U	0.38 U	0.42 U	0.41 U	0.40 U	4.6	0.41 U	0.39 U	1.0 U	0.42 U	0.40 U
Chrysene	1																			

Table 6-62
TCL SVOCs Soil Analytical Data
C6-13 Original Sample Location - Post Excavation Data

TCL SVOCs (mg/kg)	NYSDEC SCOs					Post-excavation End-point Soil Analytical Data									
	NYSDEC Unrestricted SCO	Residential	Restricted Residential	Commercial	Protection of Groundwater	Supplemental Side-wall and Bottom Samples									
						C6-EP#82 (4')	C6-EP#82 (1')	C6-EP#83 (4')	C6-EP#83 (1')	C6-EP#84 (4')	C6-EP#84 (1')	C6-EP#85 (4')	C6-EP#85 (1')	C6-EP#86 (7')	C6-EP#87 (7')
1,2,4,5-Tetrachlorobenzene	NA	NA	NA	NA	NA	0.34 U	0.34 U	1.4 U	0.68 U	0.37 U	9.0 U	9.7 U	0.35 U	0.37 U	0.71 U
1,4-Dioxane	0.1	9.8	13	130	0.1	0.34 U	0.34 U	1.4 U	0.68 U	0.37 U	9.0 U	9.7 U	0.35 U	0.37 U	0.71 U
2,2'-oxybis[1-chloropropane]	NA	NA	NA	NA	NA	0.34 U	0.34 U	1.4 U	0.68 U	0.37 U	9.0 U	9.7 U	0.35 U	0.37 U	0.71 U
2,3,4,6-Tetrachlorophenol	NA	NA	NA	NA	NA	0.34 U	0.34 U	1.4 U	0.68 U	0.37 U	9.0 U	9.7 U	0.35 U	0.37 U	0.71 U
2,4,5-Trichlorophenol	NA	NA	NA	NA	NA	0.34 U	0.34 U	1.4 U	0.68 U	0.37 U	9.0 U	9.7 U	0.35 U	0.37 U	0.71 U
2,4,6-Trichlorophenol	NA	NA	NA	NA	NA	0.34 U	0.34 U	1.4 U	0.68 U	0.37 U	9.0 U	9.7 U	0.35 U	0.37 U	0.71 U
2,4-Dichlorophenol	NA	NA	NA	NA	NA	0.34 U	0.34 U	1.4 U	0.68 U	0.37 U	9.0 U	9.7 U	0.35 U	0.37 U	0.71 U
2,4-Dimethylphenol	NA	NA	NA	NA	NA	0.34 U	0.34 U	0.026 J	0.68 U	0.37 U	9.0 U	9.7 U	0.35 U	0.37 U	0.71 U
2,4-Dinitrophenol	NA	NA	NA	NA	NA	1.0 U	1.0 U	4.2 U	2.1 U	1.1 U	27 U	29 U	1.1 U	1.1 U	2.1 U
2,4-Dinitrotoluene	NA	NA	NA	NA	NA	0.070 U	0.070 U	0.28 U	0.14 U	0.075 U	1.8 U	2.0 U	0.070 U	0.076 U	0.14 U
2,6-Dinitrotoluene	NA	NA	NA	NA	NA	0.070 U	0.070 U	0.28 U	0.14 U	0.075 U	1.8 U	2.0 U	0.070 U	0.076 U	0.14 U
2-Chloronaphthalene	NA	NA	NA	NA	NA	0.34 U	0.34 U	1.4 U	0.68 U	0.37 U	9.0 U	9.7 U	0.35 U	0.37 U	0.71 U
2-Chlorophenol	NA	NA	NA	NA	NA	0.34 U	0.34 U	1.4 U	0.68 U	0.37 U	9.0 U	9.7 U	0.35 U	0.37 U	0.71 U
2-Methylnaphthalene	NA	NA	NA	NA	NA	0.0015 J	0.34 U	0.52 J	0.013 J	0.37 U	0.18 J	1.9 J	0.35 U	0.0041 J	0.0074 J
2-Methylphenol	0.33	100	100	500	0.33	0.34 U	0.34 U	0.017 J	0.68 U	0.37 U	9.0 U	9.7 U	0.35 U	0.37 U	0.71 U
2-Nitroaniline	NA	NA	NA	NA	NA	0.70 U	0.70 U	2.8 U	1.4 U	0.75 U	18 U	20 U	0.70 U	0.76 U	1.4 U
2-Nitrophenol	NA	NA	NA	NA	NA	0.34 U	0.34 U	1.4 U	0.68 U	0.37 U	9.0 U	9.7 U	0.35 U	0.37 U	0.71 U
3,3'-Dichlorobenzidine	NA	NA	NA	NA	NA	0.70 U	0.70 U	2.8 U	1.4 U	0.75 U	18 U	20 U	0.70 U	0.76 U	1.4 U
3-Nitroaniline	NA	NA	NA	NA	NA	0.70 U	0.70 U	2.8 U	1.4 U	0.75 U	18 U	20 U	0.70 U	0.76 U	1.4 U
4,6-Dinitro-2-methylphenol	NA	NA	NA	NA	NA	1.0 U	1.0 U	4.2 U	2.1 U	1.1 U	27 U	29 U	1.1 U	1.1 U	2.1 U
4-Bromophenyl phenyl ether	NA	NA	NA	NA	NA	0.34 U	0.34 U	1.4 U	0.68 U	0.37 U	9.0 U	9.7 U	0.35 U	0.37 U	0.71 U
4-Chloro-3-methylphenol	NA	NA	NA	NA	NA	0.34 U	0.34 U	1.4 U	0.68 U	0.37 U	9.0 U	9.7 U	0.35 U	0.37 U	0.71 U
4-Chloroaniline	NA	NA	NA	NA	NA	0.34 U	0.34 U	1.4 U	0.68 U	0.37 U	9.0 U	9.7 U	0.35 U	0.37 U	0.71 U
4-Chlorophenyl phenyl ether	NA	NA	NA	NA	NA	0.34 U	0.34 U	1.4 U	0.68 U	0.37 U	9.0 U	9.7 U	0.35 U	0.37 U	0.71 U
4-Methylphenol	0.33	34	100	500	0.33	0.34 U	0.34 U	0.058 J	0.68 U	0.37 U	9.0 U	9.7 U	0.35 U	0.37 U	0.71 U
4-Nitroaniline	NA	NA	NA	NA	NA	0.70 U	0.70 U	2.8 U	1.4 U	0.75 U	18 U	20 U	0.70 U	0.76 U	1.4 U
4-Nitrophenol	NA	NA	NA	NA	NA	1.0 U	1.0 U	4.2 U	2.1 U	1.1 U	27 U	29 U	1.1 U	1.1 U	2.1 U
Acenaphthene	20	100	100	500	98	0.0092 J	0.0019 J	1.3 J	0.082 J	0.37 U	0.87 J	5.4 J	0.0021 J	0.028 J	0.10 J
Acenaphthylene	100	100	100	500	107	0.0091 J	0.0038 J	0.19 J	0.031 J	0.37 U	0.77 J	0.70 J	0.0025 J	0.019 J	0.22 J
Acetophenone	NA	NA	NA	NA	NA	0.34 U	0.34 U	1.4 U	0.68 U	0.0037 J	9.0 U	9.7 U	0.35 U	0.37 U	0.71 U
Anthracene	100	100	100	500	1,000	0.023 J	0.0061 J	1.6	0.21 J	0.0018 J	3.7 J	10	0.0055 J	0.10 J	0.82
Atrazine	NA	NA	NA	NA	NA	0.34 U	0.34 U	1.4 U	0.68 U	0.37 U	9.0 U	9.7 U	0.35 U	0.37 U	0.71 U
Benzaldehyde	NA	NA	NA	NA	NA	0.34 U	0.34 U	1.4 U	0.68 U	0.37 U	9.0 U	9.7 U	0.35 U	0.37 U	0.71 U
Benzo[a]anthracene	1	1	1	5.6	1	0.11	0.026 J	4.5	0.60	0.0068 J	11	20	0.017 J	0.33	2.7
Benzo[a]pyrene	1	1	1	1	22	0.094	0.028 J	3.7	0.47	0.0068 J	9.5	16	0.016 J	0.28	1.9
Benzo[b]fluoranthene	1	1	1	5.6	1.7	0.10	0.032	4.7	0.57	0.0075	11	18	0.017	0.30	2.3
Benzo[g,h,i]perylene	100	100	100	500	1,000	0.081 J	0.026 J	3.0	0.40 J	0.0069 J	8.3 J	13	0.015 J	0.23 J	1.4
Benzo[k]fluoranthene	0.8	1	3.9	56	1.7	0.046	0.011 J	1.6	0.15	0.0029 J	3.9	7.5	0.0079 J	0.11	0.88
Bis(2-chloroethoxy)methane	NA	NA	NA	NA	NA	0.34 U	0.34 U	1.4 U	0.68 U	0.37 U	9.0 U	9.7 U	0.35 U	0.37 U	0.71 U
Bis(2-chloroethyl)ether	NA	NA	NA	NA	NA	0.034 U	0.034 U	0.14 U	0.068 U	0.037 U	0.90 U	0.97 U	0.035 U	0.037 U	0.071 U
Bis(2-ethylhexyl) phthalate	NA	NA	NA	NA	NA	0.0091 J	0.0075 J	1.4 U	0.68 U	0.011 J	9.0 U	9.7 U	0.0065 J	0.37 U	0.71 U
Butyl benzyl phthalate	NA	NA	NA	NA	NA	0.011 J	0.0087 J	1.4 U	0.013 J	0.020 J	9.0 U	9.7 U	0.0082 J	0.017 J	0.018 J
Caprolactam	NA	NA	NA	NA	NA	0.34 U	0.34 U	1.4 U	0.68 U	0.37 U	9.0 U	9.7 U	0.35 U	0.37 U	0.71 U
Carbazole	NA	NA	NA	NA	NA	0.0093 J	0.0018 J	1.4	0.075 J	0.37 U	0.95 J	3.7 J	0.0018 J	0.019 J	0.093 J
Chrysene	1	1	3.9	56	1	0.13 J	0.030 J	4.9	0.59 J	0.0077 J	10	19	0.017 J	0.33 J	2.4
Dibenz(a,h)anthracene	0.33	0.33	0.33	0.56	1,000	0.017 J	0.0066 J	0.86	0.10	0.037 U	2.3	3.6	0.0037 J	0.060	0.43
Dibenzofuran	7	14	59	350	210	0.0034 J	0.34 U	0.91 J	0.037 J	0.37 U	0.34 J	3.0 J	0.35 U	0.0081 J	0.074 J
Diethyl phthalate	NA	NA	NA	NA	NA	0.34 U	0.34 U	1.4 U	0.68 U	0.37 U	9.0 U	9.7 U	0.35 U	0.37 U	0.71 U
Dimethyl phthalate	NA	NA	NA	NA	NA	0.34 U	0.34 U	1.4 U	0.68 U	0.37 U	9.0 U	9.7 U	0.35 U	0.37 U	0.71 U
Di-n-butyl phthalate	NA	NA	NA	NA	NA	0.34 U	0.34 U	1.4 U	0.68 U	0.37 U	9.0 U	9.7 U	0.35 U	0.37 U	0.71 U
Di-n-octyl phthalate	NA	NA	NA	NA	NA	0.34 U	0.34 U	1.4 U	0.68 U	0.37 U	9.0 U	9.7 U	0.35 U	0.37 U	0.71 U
Diphenyl	NA	NA	NA	NA	NA	0.34 U	0.34 U	0.15 J	0.68 U	0.37 U	9.0 U	0.50 J	0.35 U	0.37 U	0.71 U
Fluoranthene	100	100	100	500	1,000	0.25 J	0.051 J	10 D	1.2	0.013 J	20	43 D	0.035 J	0.59	5.6 D
Fluorene	30	100	100	500	386	0.0073 J	0.34 U	1.1 J	0.055 J	0.37 U	1.0 J	5.5 J	0.35 U	0.035 J	0.15 J
Hexachlorobenzene	0.33	0.33	1.2	6	3.2	0.034 U	0.034 U	0.14 U	0.068 U	0.037 U	0.90 U	0.97 U	0.035 U	0.037 U	0.071 U
Hexachlorobutadiene	NA	NA	NA	NA	NA	0.070 U	0.070 U	0.28 U	0.14 U	0.075 U	1.8 U	2.0 U	0.070 U	0.076 U	0.14 U
Hexachlorocyclopentadiene	NA	NA	NA	NA	NA	0.34 U	0.34 U	1.4 U	0.68 U	0.37 U	9.0 U	9.7 U	0.35 U	0.37 U	0.71 U
Hexachloroethane	NA	NA	NA	NA	NA	0.034 U	0.034 U	0.14 U	0.068 U	0.037 U	0.90 U	0.97 U	0.035 U	0.037 U	0.071 U
Indeno[1,2,3-cd]pyrene	0.5	0.5	0.5	5.6	8.2	0.061	0.021 J	2.6	0.32	0.0049 J	6.9	11	0.011 J	0.18	1.3
Isophorone	NA	NA	NA	NA	NA	0.34 U	0.34 U	1.4 U	0.68 U	0.37 U	9.0 U	9.7 U	0.35 U	0.37 U	0.71 U
Naphthalene	12	100	100	500	12	0.34 U	0.34 U	1.6	0.017 J	0.37 U	0.21 J	3.7 J	0.35 U	0.0044 J	0.016 J
Nitrobenzene	NA	NA	NA	NA	NA	0.034 U	0.034 U	0.14 U	0.068 U	0.037 U	0.90 U	0.97 U	0.035 U	0.037 U	0.071 U
N-Nitrosodi-n-propylamine	NA	NA	NA	NA	NA	0.034 U	0.034 U	0.14 U	0.068 U	0.037 U	0.90 U	0.97 U	0.035 U	0.037 U	0.071 U
N-Nitrosodiphenylamine	NA	NA	NA	NA	NA	0.34 U	0.34 U	1.4 U	0.68 U	0.37 U	9.0 U	9.7 U	0.35 U	0.37 U	0.71 U
Pentachlorophenol	0.8	2.4	6.7	6.7	0.8	1.0 U	1.0 U	4.2 U	2.1 U	1.1 U	27 U	29 U	1.1 U	1.1 U	2.1 U
Phenanthrene	100	100	100	500	1,000	0.20 J	0.026 J	12.0 D	1.2	0.0083 J	14	38	0.021 J	0.42	2.5
Phenol	0.33	100	100	500	0.33	0.34 U	0.34 U	1.4 U	0.68 U	0.37 U	9.0 U	9.7 U	0.35 U	0.37 U	0.71 U
Pyrene	100	100	100	500	1,000	0.26 J	0.053 J	9.30 D	1.2	0.014 J	17	33	0.032 J	0.61	4.5 D
Pyridine	NA	NA	NA	NA	NA	0.34 U	0.34 U	1.4 U	0.68 U	0.37 U	9.0 U	9.7 U	0.35 U	0.37 U	0.71 U
Total SVOC TICs	NA	NA	NA	NA	NA	1.63	1.21	5.23	2.61	0.83	31.60	31.30	1.02	1.37	3.56

Notes
ND: TIC not detected
D : The reported value is from a dilution.
J : Indicates an estimated value.
J N : Indicates an estimated value.
U : Analyzed for but not detected.



Table 6-63
TAL Metals Soil Analytical Data
C6-13 Original Sample Location - Post Excavation Data

TAL Metals (mg/kg)	NYSDEC SCOs			Post-excavation End-point Soil Analytical Data												
				C6-13 Original Sample Location												
				Side-wall Samples												
	C6-EP#23 (3')	C6-EP#24 (3')	C6-EP#25 (3')	C6-EP#26 (3')	C6-EP#27 (3')	C6-EP#28 (1')	C6-EP#28 (5')	C6-EP#29 (1')	C6-EP#29 (5')	C6-EP#30 (1')	C6-EP#30 (5')	C6-EP#31 (1')	C6-EP#31 (5')			
Aluminum	NA	NA	NA	8,230	4,970	1,780	1,450	2,560	1,490	4,990	1,700	1,870	1,270	2,470	1,420	2,120
Antimony	NA	NA	NA	4.1 U	4.1 U	3.9 U	3.5 U	3.9 U	3.8 U	3.8 U	3.2 U	3.9 U	3.7 U	4.4 U	3.8 U	4.4 U
Arsenic	13	16	16	3.1	6.6	2.9 U	2.6 U	2.4 J	1.6 J	8.7	2.4 U	2.9 U	2.8 U	4.6	0.98 J	2.4 J
Barium	350	350	820	66.7	65.3	13.6 J	11.6 J	21.6 J	10.6 J	78.6	17.0 J	15.8 J	10.3 J	31.9 J	8.9 J	22.0 J
Beryllium	7.2	14	47	0.30 J	0.21 J	0.39 U	0.35 U	0.13 J	0.38 U	0.24 J	0.14 J	0.39 U	0.37 U	0.17 J	0.38 U	0.44 U
Cadmium	2.5	2.5	7.5	0.82 U	0.82 U	0.77 U	0.70 U	0.78 U	0.76 U	0.77 U	0.64 U	0.77 U	0.75 U	0.89 U	0.75 U	0.89 U
Calcium	NA	NA	NA	4,190	8,870	2,720	564 J	3,460	20,400	1,450	460 J	2,200	265 J	699 J	850 J	1,080 J
Chromium ¹	30	36	NS	12.0	10.0	4.1	3.1	5.7	3.0	9.8	4.0	4.1	4.6	5.3	3.1	5.7
Cobalt	NA	NA	NA	3.4 J	3.8 J	1.4 J	2.4 J	2.4 J	1.2 J	5.4 J	1.7 J	1.7 J	2.0 J	3.2 J	1.4 J	1.6 J
Copper	50	270	1,720	6.8	18.6	3.2 J	2.4 J	4.4 J	3.1 J	6.3	3.6 J	3.4 J	2.4 J	6.3	3.3 J	8.8
Iron	NA	NA	NA	10,500	11,300	4,300	3,130	5,150	3,060	12,400	4,510	4,250	3,220	5,990	5,290	5,240
Lead	63	400	450	16.9	40.1	4.5	3.6	12.2	5.6	20.1	1.4 J	3.2	1.5 J	14.0	4.2	76.9
Magnesium	NA	NA	NA	1,390	3,040	779 J	468 J	747 J	6,140	1,130	563 J	706 J	411 J	617 J	391 J	527 J
Manganese	1,600	2,000	2,000	157	277	94.8	80.4	182	86.2	484	150	110	90.6	98.5	55.6	68.5
Nickel	30	140	130	6.4 J	9.2	3.3 J	2.6 J	4.6 J	3.8 J	7.2 J	3.7 J	3.8 J	2.5 J	4.2 J	2.3 J	4.7 J
Potassium	NA	NA	NA	581 J	509 J	387 J	368 J	377 J	297 J	600 J	414 J	420 J	267 J	322 J	188 J	282 J
Selenium	3.9	36	4	4.1 U	4.1 U	3.9 U	3.5 U	3.9 U	3.8 U	3.8 U	3.2 U	3.9 U	3.7 U	1.2 J	3.8 U	4.4 U
Silver	2	36	8.3	2.0 U	2.1 U	1.9 U	1.7 U	2.0 U	0.42 J	0.20 J	1.6 U	1.9 U	1.9 U	2.2 U	1.9 U	2.2 U
Sodium	NA	NA	NA	1,020 U	106 J	963 U	873 U	978 U	945 U	957 U	801 U	964 U	934 U	1,110 U	943 U	1,110 U
Thallium	NA	NA	NA	4.1 U	4.1 U	3.9 U	3.5 U	3.9 U	3.8 U	3.8 U	3.2 U	3.9 U	3.7 U	4.4 U	3.8 U	4.4 U
Vanadium	NA	NA	NA	13.5	14.5	4.5 J	3.6 J	6.9 J	3.8 J	11.5	5.0 J	4.9 J	3.5 J	9.2 J	4.1 J	11.3
Zinc	109	2,200	2,480	30.0	63.5	12.3	6.9	16.2	8.9	54.7	6.7	9.1	5.0 J	21.4	8.7	43.3
Mercury	0.18	0.81	0.73	0.019	0.026	0.018 U	0.018 U	0.019 U	0.016 U	0.018 U	0.017 U	0.017 U	0.017 U	0.017 J	0.017 U	0.023

TAL Metals (mg/kg)	NYSDEC SCOs			Post-excavation End-point Soil Analytical Data											
				C6-13 Original Sample Location											
				Side-wall Samples											
	Unrestricted	Residential	Protection of Groundwater	C6-EP#32	C6-EP#32	C6-EP#33	C6-EP#33	C6-EP#34	C6-EP#34	C6-EP#35	C6-EP#35	C6-EP#36	C6-EP#36	C6-EP#37	C6-EP#37
				(1')	(5')	(1')	(5')	(1')	(5')	(1')	(5')	(1')	(5')	(1')	(5')
Aluminum	NA	NA	NA	3,370	8,360	5,220	9,580	6,780	5,870	8,920	4,740	10,200	4,710	8,780	1,790
Antimony	NA	NA	NA	3.1 U	4.5 U	4.0 U	4.4 U	4.1 U	4.5 U	4.1 U	4.1 U	4.4 U	4.1 U	4.3 U	3.7 U
Arsenic	13	16	16	1.9 J	2.7 J	2.0 J	1.6 J	1.3 J	2.4 J	2.7 J	3.1 U	2.5 J	3.1 U	2.6 J	1.6 J
Barium	350	350	820	25.9 J	31.8 J	30.2 J	36.4 J	35.2 J	28.9 J	56.3	18.7 J	50.0	20.3 J	39.8 J	11.3 J
Beryllium	7.2	14	47	0.21 J	0.26 J	0.23 J	0.27 J	0.24 J	0.28 J	0.29 J	0.21 J	0.33 J	0.23 J	0.28 J	0.11 J
Cadmium	2.5	2.5	7.5	0.61 U	0.18 J	0.79 U	0.89 U	0.82 U	0.91 U	0.82 U	0.82 U	0.88 U	0.82 U	0.86 U	0.73 U
Calcium	NA	NA	NA	1,790	757 J	671 J	2,100	840 J	805 J	9,210	398 J	1,320	421 J	1,890	535 J
Chromium ¹	30	36	NS	13.4	15.4	11.8	16.6	14.2	12.3	17.2	7.8	18.7	7.6	19.7	4.0
Cobalt	NA	NA	NA	1.9 J	3.5 J	3.5 J	7.2 J	3.8 J	3.6 J	4.5 J	2.5 J	5.3 J	3.3 J	3.8 J	1.6 J
Copper	50	270	1,720	6.2	15.5	6.5	6.9	7.2	7.2	10.5	3.0 J	10.4	3.7 J	9.4	4.0 J
Iron	NA	NA	NA	7,230	13,000	8,980	14,200	10,800	13,700	12,500	6,340	16,300	5,790	13,100	4,470
Lead	63	400	450	25.1	309	23.2	7.7	18.9	17.1	13.8	3.6	12.7	3.4	25.1	7.8
Magnesium	NA	NA	NA	731 J	2,020	1,510	1,640	1,940	1,530	2,630	956 J	2,310	952 J	2,150	560 J
Manganese	1,600	2,000	2,000	114	134	156	137	157	224	221	101	256	63.3	153	112
Nickel	30	140	130	4.9 J	7.8 J	7.3 J	9.4	8.1 J	7.8 J	9.6	5.1 J	10.5	5.9 J	9.2	3.6 J
Potassium	NA	NA	NA	372 J	754 J	516 J	575 J	579 J	483 J	945 J	239 J	874 J	240 J	870 J	366 J
Selenium	3.9	36	4	3.1 U	4.5 U	4.0 U	4.4 U	4.1 U	4.5 U	4.1 U	4.1 U	4.4 U	4.1 U	4.3 U	3.7 U
Silver	2	36	8.3	1.5 U	2.3 U	2.0 U	2.2 U	2.1 U	2.3 U	2.1 U	2.0 U	2.2 U	2.0 U	2.2 U	1.8 U
Sodium	NA	NA	NA	191 J	1,130 U	988 U	1,110 U	102 J	1,130 U	83.4 J	1,020 U	110 J	1,020 U	154 J	914 U
Thallium	NA	NA	NA	3.1 U	4.5 U	4.0 U	4.4 U	4.1 U	4.5 U	4.1 U	4.1 U	4.4 U	4.1 U	4.3 U	3.7 U
Vanadium	NA	NA	NA	7.9	19.9	12.7	22.3	16.5	15.3	20.3	9.4 J	22.5	8.6 J	21.7	5.7 J
Zinc	109	2,200	2,480	27.7	200	19.1	21.3	25.6	19.7	28.6	10.7	32.5	11.6	26.8	46.6
Mercury	0.18	0.81	0.73	0.020	0.017 J	0.022	0.022	0.021	0.026	0.015 J	0.015 J	0.021	0.016 J	0.019 U	0.016 J

Notes

J : Sample result is greater than the MDL but below the CRDL

U : Indicates analyzed for but not detected.

¹ Trivalent chromium SCOs utilized.

Green / italicized value indictes analyte exceeded its repsective unrestricted SCO but was below its respective Residential / Protection of GW SCO , whichever is lower.

NA - Not Available

NS - No Standard Available

BD : Blind Duplicate

Indicates that sample locations were removed as part of supplemental soil excavation activities.

Table 6-63
TAL Metals Soil Analytical Data
C6-13 Original Sample Location - Post Excavation Data

TAL Metals (mg/kg)	NYSDEC SCOs			Post-excavation End-point Soil Analytical Data											
				C6-13 Original Sample Location											
				Bottom Samples											
	Unrestricted	Residential	Protection of Groundwater	C6-EP#20 (6.5')	C6-EP#21 (6.5')	C6-EP#22 (6.5')	C6-EP#38 (6.5')	C6-EP#39 (6.5')	C6-EP#40 (6.5')	C6-EP#41 (6.5')	C6-EP#42 (6.5')	C6-EP#42 BD (20')	C6-EP#43 (6.5')	C6-EP#44 (6.5')	C6-EP#45 (6.5')
Aluminum	NA	NA	NA	7,740	9,200	4,200	8,730	7,960	5,750	5,510	4,960	4,680	4,390	5,620	5,050
Antimony	NA	NA	NA	4.1 U	3.8 U	3.9 U	4.3 U	4.6 U	4.0 U	4.8 U	4.7 U	4.3 U	3.8 U	4.3 U	3.9 U
Arsenic	13	16	16	2.9 J	2.8 J	1.4 J	1.7 J	1.8 J	5.0	2.0 J	1.8 J	3.2	1.5 J	4.0	1.5 J
Barium	350	350	820	31.4 J	34.7 J	17.9 J	53.7	30.0 J	31.2 J	30.7 J	34.6 J	32.7 J	52.5	36.1 J	23.3 J
Beryllium	7.2	14	47	0.30 J	0.30 J	0.20 J	0.32 J	0.54	0.33 J	0.22 J	0.16 J	0.22 J	0.21 J	0.39 J	0.30 J
Cadmium	2.5	2.5	7.5	0.81 U	0.77 U	0.79 U	0.86 U	0.91 U	0.80 U	0.95 U	0.94 U	0.86 U	0.76 U	0.86 U	0.79 U
Calcium	NA	NA	NA	1,990	989	455 J	1,010 J	644 J	505 J	599 J	968 J	759 J	1,200	2,600	719 J
Chromium ¹	30	36	NS	15.5	15.0	7.3	14.8	10.3	11.6	11.7	13.0	12.2	10	8.7	10.2
Cobalt	NA	NA	NA	5.5 J	4.0 J	3.1 J	5.4 J	3.5 J	4.8 J	3.0 J	3.3 J	3.2 J	3.4 J	3.1 J	2.8 J
Copper	50	270	1,720	7.1	6.2	3.9 J	6.4	3.4 J	9.5	5.2 J	4.6 J	4.5 J	8.4	7.6	5.3
Iron	NA	NA	NA	19,700	11,700	5,730	15,100	8,200	11,600	8,980	11,700	18,700	9,780	8,240	9,860
Lead	63	400	450	6.8	6.3	4.4	6.6	7.8	5.6	19.2	4.5	4.9	18.7	19.2	37.8
Magnesium	NA	NA	NA	1,460	1,820	822 J	1,630	1,290	1,170	1,340	1,800	1,500	1,210	844 J	1,070
Manganese	1,600	2,000	2,000	490	219	54.3	292	79.9	158	87.0	274	275	171	106	163
Nickel	30	140	130	5.9 J	8.6	4.7 J	9.1	6.6 J	8.8	6.2 J	6.3 J	5.6 J	6.8 J	6.6 J	6.2 J
Potassium	NA	NA	NA	845 J	532 J	307 J	458 J	238 J	380 J	416 J	896 J	756 J	503 J	185 J	395 J
Selenium	3.9	36	4	4.1 U	3.8 U	3.9 U	4.3 U	4.6 U	4.0 U	4.8 U	4.7 U	4.3 U	3.8 U	4.3 U	3.9 U
Silver	2	36	8.3	2.0 U	1.9 U	2.0 U	2.1 U	2.3 U	2.0 U	2.4 U	2.3 U	2.2 U	1.9 U	2.1 U	2.0 U
Sodium	NA	NA	NA	1,020 U	959 U	985 U	1,070 U	1,140 U	996 U	1,190 U	1,170 U	1,080 U	948 U	1,070 U	986 U
Thallium	NA	NA	NA	4.1 U	3.8 U	3.9 U	4.3 U	4.6 U	4.0 U	4.8 U	4.7 U	4.3 U	3.8 U	4.3 U	3.9 U
Vanadium	NA	NA	NA	18.2	18.8	9.6 J	20.9	12.9	14.7	13.3	14.0	15.7	10.6	13.8	12.7
Zinc	109	2,200	2,480	20.9	18.1	13.2	19.3	17.1	31.6	15.4	20.9	24.8	22.8	27.0	14.2
Mercury	0.18	0.81	0.73	0.017 U	0.018 U	0.023	0.020	0.16	0.019 U	0.022 U	0.020 U	0.021 U	0.020	0.025	0.019 U

Notes
J : Sample result is greater than the MDL but below the CRDL
U : Indicates analyzed for but not detected.
¹ Trivalent chromium SCOs utilized.
NA - Not Available
NS - No Standard Available
BD : Blind Duplicate

Indicates that sample locations were removed as part of supplemental soil excavation activities.



Table 6-63
TAL Metals Soil Analytical Data
C6-13 Original Sample Location - Post Excavation Data

TAL Metals (mg/kg)	NYSDEC SCOs					Post-excavation End-point Soil Analytical Data									
						C6-13 Original Sample Location									
						Supplemental Side-wall & Bottom Samples									
						C6-EP#82 (4')	C6-EP#82 (1')	C6-EP#83 (4')	C6-EP#83 (1')	C6-EP#84 (4')	C6-EP#84 (1')	C6-EP#85 (4')	C6-EP#85 (1')	C6-EP#86 (7')	C6-EP#87 (7')
	Unrestricted	Residential	Restricted Residential	Commercial	Protection of Groundwater										
Aluminum	NA	NA	NA	NA	NA	2,210	1,120	934	896	4,140	5,090	4,630	1,790	3,120	1,510
Antimony	NA	NA	NA	NA	NA	4.1 U	4.0 U	3.7 U	3.8 U	4.0 U	4.0 U	4.5 U	4.2 U	4.4 U	3.9 U
Arsenic	13	16	16	16	16	1.6 J	1.6 J	1.0 J	1.7 J	1.2 J	5.3	1.9 J	1.6 J	1.0 J	1.6 J
Barium	350	350	400	400	820	9.3 J	8.2 J	6.2 J	6.0 J	19.8 J	59.8	29.9 J	10.8 J	15.5 J	10.6 J
Beryllium	7.2	14	72	590	47	0.41 U	0.40 U	0.37 U	0.38 U	0.40 U	0.40 U	0.45 U	0.42 U	0.44 U	0.39 U
Cadmium	2.5	2.5	4.3	9.3	7.5	0.81 U	0.79 U	0.74 U	0.76 U	0.80 U	0.80 U	0.90 U	0.84 U	0.88 U	0.79 U
Calcium	NA	NA	NA	NA	NA	158 J	312 J	126 J	132 J	374 J	4,470	816 J	169 J	504 J	391 J
Chromium ¹	30	36	180	1,500	NS	11.1	5.5	2.2	1.9	5.9	14.3	8.5	3.5	5.5	3.2
Cobalt	NA	NA	NA	NA	NA	1.6 J	1.2 J	0.89 J	9.6 U	2.9 J	3.3 J	3.1 J	1.5 J	2.0 J	1.8 J
Copper	50	270	270	270	1,720	3.4 J	3.2 J	3.7 J	2.3 J	4.4 J	12.8	5.2 J	3.0 J	4.2 J	3.1 J
Iron	NA	NA	NA	NA	NA	7,590	6,410	4,610	3,800	5,800	8,730	5,700	5,540	5,040	5,060
Lead	63	400	400	1,000	450	4.5	5.6	3.6	2.7	2.0	93.6	7.9	1.9 J	3.6	4.9
Magnesium	NA	NA	NA	NA	NA	1,140	368 J	219 J	320 J	975 J	1,470	924 J	406 J	729 J	331 J
Manganese	1,600	2,000	2,000	10,000	2,000	68.1	45.8	34.8	32.8	103	177	157	50.9	86.8	59.3
Nickel	30	140	310	310	130	4.6 J	1.8 J	7.4 U	7.6 U	5.8 J	7.5 J	5.8 J	2.3 J	4.9 J	2.4 J
Potassium	NA	NA	NA	NA	NA	207 J	251 J	159 J	156 J	371 J	895 J	327 J	213 J	232 J	241 J
Selenium	3.9	36	180	1,500	4	4.1 U	4.0 U	3.7 U	3.8 U	4.0 U	4.0 U	4.5 U	4.2 U	4.4 U	3.9 U
Silver	2	36	180	1,500	8.3	2.0 U	2.0 U	1.9 U	1.9 U	2.0 U	2.0 U	2.3 U	2.1 U	2.2 U	2.0 U
Sodium	NA	NA	NA	NA	NA	1,010 U	991 U	931 U	956 U	996 U	248 J	1,130 U	1,050 U	1,110 U	985 U
Thallium	NA	NA	NA	NA	NA	4.1 U	4.0 U	3.7 U	3.8 U	4.0 U	4.0 U	4.5 U	4.2 U	4.4 U	3.9 U
Vanadium	NA	NA	NA	NA	NA	10.0 J	5.3 J	3.0 J	2.6 J	9.3 J	11.3	8.9 J	4.6 J	6.8 J	3.8 J
Zinc	109	2,200	10,000	10,000	2,480	18.1	9.7	12.8	11.6	9.5	68.8	12.1	12.7	8.4	10.7
Mercury	0.18	0.81	0.81	2.8	0.73	0.017 U	0.016 U	0.017 U	0.020	0.013 J	0.13	0.025	0.017 U	0.019	0.012 J

Notes
J : Sample result is greater than the MDL but below the CRDL
U : Indicates analyzed for but not detected.
¹ Trivalent chromium SCOs utilized.

Highlighted / bolded indicates analyte exceeded above its respective NYSDEC Commercial SCO.
Green / italicized value indicates analyte exceeded its respective unrestricted SCO but was below its respective Residential / Protection of GW SCO, whichever is lower.
Blue / italicized value indicates analyte exceeded its respective Residential SCO and / or Protection of Groundwater SCO but was below its Restricted Residential SCO.
Pink / italicized value indicates analyte exceeded its respective Residential SCOs and / or Protection of Groundwater SCO but was below its Commercial SCO.
Pale Yellow / italicized value indicates analyte detected at above its Unrestricted SCO and Protection of Groundwater SCO but below its Residential SCO.
NA - Not Available
NS - No Standard Available



Table 6-64
TAL Metals Soil Analytical Data
B9-9 Original Sample Location - Post Excavation Data

TAL Metals (mg/kg)	NYSDEC SCOs			B9-9 Original Sample Location - RCRA Excavation						
				End Point Soil Samples						
				Side-wall Samples				Bottom Samples		
				B9-EP#11	B9-EP#12	B9-EP#13	B9-EP#14	B9-EP#8	B9-EP#9	B9-EP#10
	Unrestricted	Residential	Protection of Groundwater	(8')	(8')	(8')	(8')	(9')	(9')	(9')
Aluminum	NA	NA	NA	6,990	12,100	6,540	10,100	8,170	8,980	7,710
Antimony	NA	NA	NA	4.6 U	4.4 U	4.4 U	4.1 U	3.9 U	4.1 U	4.2 U
Arsenic	13	16	16	1.9 J	3.3	1.7 J	3.7	3.0	3.3	3.1 J
Barium	350	350	820	33.3 J	42.8 J	40.0 J	37.0 J	32.7 J	27.0 J	36.1 J
Beryllium	7.2	14	47	0.28 J	0.27 J	0.21 J	0.28 J	0.36 J	0.36 J	0.54
Cadmium	2.5	2.5	7.5	0.92 U	0.88 U	0.88 U	0.82 U	0.77 U	0.82 U	0.84 U
Calcium	NA	NA	NA	661 J	760 J	351 J	447 J	551 J	756 J	562 J
Chromium ¹	30	36	NS	10.6	16.6	11.1	16.4	13.2	18.5	14.3
Cobalt	NA	NA	NA	2.4 J	3.4 J	2.2 J	3.0 J	3.4 J	3.3 J	6.4 J
Copper	50	270	1,720	4.7 J	8.1	4.3 J	8.0	7.9	10.3	11.5
Iron	NA	NA	NA	10,300	11,900	10,000	14,900	13,500	19,200	15,700
Lead	63	400	450	4.6	8.6	4.8	6.8	10.3	6.7	6.5
Magnesium	NA	NA	NA	1,490	2,550	1,620	2,150	1,920	2,360	2,380
Manganese	1,600	2,000	2,000	65.4	82.1	76.3	86.5	107	114	159
Nickel	30	140	130	8.1 J	11.1	7.2 J	11.7	10.1	10.3	13.2
Potassium	NA	NA	NA	357 J	614 J	287 J	636 J	750 J	1,240	1,520
Selenium	3.9	36	4	1.2 J	1.2 J	1.4 J	1.8 J	3.9 U	1.3 J	4.2 U
Silver	2	36	8.3	1.1 J	6.3	0.24 J	3.8	4.0	1.1 J	0.44 J
Sodium	NA	NA	NA	1,160 U	1,100 U	1,100 U	1,030 U	968 U	1,020 U	1,050 U
Thallium	NA	NA	NA	4.6 U	4.4 U	4.4 U	4.1 U	3.9 U	4.1 U	4.2 U
Vanadium	NA	NA	NA	14.1	24.8	14.2	23.2	18.3	22.6	20.6
Zinc	109	2,200	2,480	23.8	34.0	20.8	41.5	32.2	41.3	35.8
Mercury	0.18	0.81	0.73	0.018 U	0.031	0.018	0.015 J	0.013 J	0.017 U	0.018 U

Notes:

J : Sample result is greater than the MDL but below the CRDL

U : Indicates analyzed for but not detected.

B: Indicates analyte detected in blank.

¹ Trivalent chromium SCOs utilized.

Highlighted / bolded indicates analyte exceeded above its respective NYSDEC Unrestricted SCO.

Green / italicized value indicates analyte exceeded its respective unrestricted SCO but was below its respective Residential / Protection of GW SCO, whichever is lower.

NA - Not Available

Table 6-65
TAL Metals Soil Analytical Data
North Lot Water Tank Area - Post Excavation Data

	NYSDEC SCOs					Former North Water Tank														Supplemental Endpoint Samples		
	Unrestricted	Residential	Restricted Residential	Commercial	Protection of Groundwater	End-Point Confirmatory Soil Samples											WT-EP-12	WT-EP-13	WT-EP-14			
						WT-EP-01	WT-EP-02	WT-EP-03	WT-EP-04	WT-EP-05	WT-EP-06	WT-EP-07(1')	WT-EP-08(0')	WT-EP-09	WT-EP-10	WT-EP-11						
TAL Metals (mg/kg)						(2.0')	(2.0')	(3.0')	(4.0')	(4.5')	(1.5')	(4.0')	(0.0')	(0.0')	(4.0')	(4.0')	(2.5')	(2.0')	(5.0')			
Aluminum	NA	NA	NA	NA	NA	5,470	8,220	7,090	4,750	5,520	2,410	6,370	5,960	6,120	6,440	5,380	4,230	5,700	5,510			
Antimony	NA	NA	NA	NA	NA	3.6 U	0.94 J	1.2 J	1.8 J	3.1 J	3.6 U	4.0 U	3.9 U	4.0 U	4.1 U	4.0 U	0.84 J	3.9 U	3.9 U			
Arsenic	13	16	16	16	16	7.7	9.9	6.7	5.9	12.8	5.7	8.1	6.0	4.3	27.3	36.9	8.3	5.4	28.6			
Barium	350	350	400	400	820	87.9	82.8	153	124	42.9 J	22.5 J	56.0	52.6	55.7	73.9	53.0	93.0	52.0	37.0 J			
Beryllium	7.2	14	72	590	47	0.30 J	0.45	0.36	0.26 J	0.32 J	0.14 J	0.43	0.42	0.44	0.42	0.39 J	0.12 J	0.17 J	0.15 J			
Cadmium	2.5	2.5	4.3	9.3	7.5	0.18 J	0.24 J	0.29 J	0.18 J	1.8 U	0.86	0.41 J	0.60 J	0.42 J	0.13 J	0.79 U	0.65 U	0.79 U	0.79 U			
Calcium	NA	NA	NA	NA	NA	1,590	2,370	2,290	3,480	3,030	74,300	7,980	44,000	4,030	1,280	1,230	734 J	3,640	522 J			
Chromium ¹	30	36	180	1,500	NS	15.3	23.8	19.5	16.4	37.5	10.1	34.5	27.0	20.9	21.2	16.1	12.1	16.7	17.4			
Cobalt	NA	NA	NA	NA	NA	4.2 J	8.3 J	6.2 J	5.7 J	8.2 J	2.9 J	6.2 J	6.3 J	5.6 J	9.1 J	4.8 J	2.5 J	4.6 J	5.1 J			
Copper	50	270	270	270	1,720	11.8	16.3	25.7	24.6	90.0	12.5	19.0	17.2	13.3	13.5	12.1	46.8	14.4	10.1			
Iron	NA	NA	NA	NA	NA	9,280	24,800	14,100	14,500	71,400	5,940	14,600	11,900	12,700	12,100	10,900	7,110	12,500	9,650			
Lead	63	400	400	1,000	450	70.9	53.9	70.7	59.3	110	69.4	427	150	82.9	167	114	81.0	61.9	89.1			
Magnesium	NA	NA	NA	NA	NA	1,670	2,650	1,990	2,090	2,450	43,300	5,770	21,300	3,480	1,810	1,590	971	3,120	1,190			
Manganese	1,600	2,000	2,000	10,000	2,000	218	403	260	251	481	152	252	292	187	311	222	80.4	219	206			
Nickel	30	140	310	310	130	9.1	16.7	13.4	10.6	89.2	10.8	18.3	14.2	15.9	11.6	9.6	6.7	10.9	9.0			
Potassium	NA	NA	NA	NA	NA	558 J	665 J	709 J	427 J	456 J	303 J	627 J	796 J	685 J	678 J	545 J	354 J	525 J	485 J			
Selenium	3.9	36	180	1,500	4	3.6 U	3.9 U	3.2 U	3.8 U	9.1 U	3.6 U	0.93 J	0.94 J	1.1 J	1.4 J	1.5 J	3.3 U	3.9 U	3.9 U			
Silver	2	36	180	1,500	8.3	0.47 J	1.0 J	1.1 J	0.27 J	4.6 U	1.8 U	0.42 J	0.64 J	2.0 U	0.60 J	0.45 J	1.6 U	2.0 U	2.0 U			
Sodium	NA	NA	NA	NA	NA	892 U	969 U	796 U	955 U	2,290 U	898 U	1,000 U	97.6 J	1,010 U	1,020 U	993 U	815 U	987 U	985 U			
Thallium	NA	NA	NA	NA	NA	3.6 U	3.9 U	3.2 U	3.8 U	9.1 U	3.6 U	4.0 U	3.9 U	4.0 U	4.1 U	4.0 U	3.3 U	3.9 U	3.9 U			
Vanadium	NA	NA	NA	NA	NA	15.7	26.0	21.0	18.0	16.4 J	11.4	26.6	22.1	20.2	27.8	20.9	10.3	18.1	16.6			
Zinc	109	2,200	10,000	10,000	2,480	65.6	85.0	67.8	52.5	71.0	84.7	82.7	201	228	49.4	46.2	47.5	84.9	39.5			
Mercury	0.18	0.81	0.81	2.8	0.73	0.076	0.073	0.76	0.091	0.039	0.054	0.043	0.20	0.064	0.084	0.059	0.099	0.036	0.039			

Notes
J : Sample result is greater than the MDL but below the CRDL
U : Indicates analyzed for but not detected.
¹ Trivalent chromium SCOs utilized.
Highlighted / bolded indicates analyte exceeded above its respective NYSDEC Unrestricted SCO.
Green / italicized value indicates analyte exceeded its respective unrestricted SCO but was below its respective Residential / Protection of GW SCO, whichever is lower.
Blue / italicized value indicates analyte exceeded its respective Residential SCO and / or Protection of Groundwater SCO but was below its Restricted Residential SCO.
Pink / italicized value indicates analyte exceeded its respective Residential SCO and / or Protection of Groundwater SCO but was below its Commercial SCO.
NA - Not Available
NS - No Standard Available

Table 6-66
Former Tank No. 6
TCL VOCs End Point Soil Analytical Data

TCL VOCs (mg/kg)	NYSDEC Unrestricted SCO	Former Tank No. 6							
		End Point Soil Samples							
		End-wall Samples		Bottom Samples		Side-wall Samples			
		T6-EP#2 (9')	T6-EP#6 (10')	T6-EP#1 (12')	T6-EP#5 (12')	T6-EP#3 (9')	T6-EP#4 (9')	T6-EP#7 (10')	T6-EP#8 (10')
1,1,1-Trichloroethane	0.68	0.0011 U	0.0012 U	0.00095 U	0.0013 U	0.0011 U	0.0011 U	0.0011 U	0.0010 U
1,1,2,2-Tetrachloroethane	NA	0.0011 U	0.0012 U	0.00095 U	0.0013 U	0.0011 U	0.0011 U	0.0011 U	0.0010 U
1,1,2-Trichloroethane	NA	0.0011 U	0.0012 U	0.00095 U	0.0013 U	0.0011 U	0.0011 U	0.0011 U	0.0010 U
1,1-Dichloroethane	0.27	0.0011 U	0.0012 U	0.00095 U	0.0013 U	0.0011 U	0.0011 U	0.0011 U	0.0010 U
1,1-Dichloroethene	0.33	0.0011 U	0.0012 U	0.00095 U	0.0013 U	0.0011 U	0.0011 U	0.0011 U	0.0010 U
1,2,3-Trichlorobenzene	NA	0.0011 U	0.0012 U	0.00095 U	0.0013 U	0.0011 U	0.0011 U	0.0011 U	0.0010 U
1,2,4-Trichlorobenzene	NA	0.0011 U	0.0012 U	0.00095 U	0.0013 U	0.0011 U	0.0011 U	0.0011 U	0.0010 U
1,2-Dibromo-3-Chloropropane	NA	0.0011 U	0.0012 U	0.00095 U	0.0013 U	0.0011 U	0.0011 U	0.0011 U	0.0010 U
1,2-Dibromoethane	NA	0.0011 U	0.0012 U	0.00095 U	0.0013 U	0.0011 U	0.0011 U	0.0011 U	0.0010 U
1,2-Dichlorobenzene	1.1	0.0011 U	0.0012 U	0.00095 U	0.0013 U	0.0011 U	0.0011 U	0.0011 U	0.0010 U
1,2-Dichloroethane	0.02	0.0011 U	0.0012 U	0.00095 U	0.0013 U	0.0011 U	0.0011 U	0.0011 U	0.0010 U
1,2-Dichloropropane	NA	0.0011 U	0.0012 U	0.00095 U	0.0013 U	0.0011 U	0.0011 U	0.0011 U	0.0010 U
1,3-Dichlorobenzene	2.4	0.0011 U	0.0012 U	0.00095 U	0.0013 U	0.0011 U	0.0011 U	0.0011 U	0.0010 U
1,4-Dichlorobenzene	1.8	0.0011 U	0.0012 U	0.00095 U	0.0013 U	0.0011 U	0.0011 U	0.0011 U	0.0010 U
1,4-Dioxane	0.1	0.056 U	0.059 U	0.047 U	0.065 U	0.053 U	0.055 U	0.056 U	0.050 U
2-Butanone (MEK)	0.12	0.011 U	0.012 U	0.0095 U	0.013 U	0.011 U	0.011 U	0.011 U	0.010 U
2-Hexanone	NA	0.011 U	0.012 U	0.0095 U	0.013 U	0.011 U	0.011 U	0.011 U	0.010 U
4-Methyl-2-pentanone	NA	0.011 U	0.012 U	0.0095 U	0.013 U	0.011 U	0.011 U	0.011 U	0.010 U
Acetone	0.05	0.011 U	0.012 U	0.0095 U	0.013 U	0.011 U	0.011 U	0.011 U	0.010 U
Benzene	0.06	0.0011 U	0.0012 U	0.00095 U	0.0013 U	0.0011 U	0.0011 U	0.0011 U	0.0010 U
Bromochloromethane	NA	0.0011 U	0.0012 U	0.00095 U	0.0013 U	0.0011 U	0.0011 U	0.0011 U	0.0010 U
Bromodichloromethane	NA	0.0011 U	0.0012 U	0.00095 U	0.0013 U	0.0011 U	0.0011 U	0.0011 U	0.0010 U
Bromoform	NA	0.0011 U	0.0012 U	0.00095 U	0.0013 U	0.0011 U	0.0011 U	0.0011 U	0.0010 U
Bromomethane	NA	0.0011 U	0.0012 U	0.00095 U	0.0013 U	0.0011 U	0.0011 U	0.0011 U	0.0010 U
Carbon disulfide	NA	0.0011 U	0.0012 U	0.00095 U	0.0013 U	0.0011 U	0.0011 U	0.0011 U	0.0010 U
Carbon tetrachloride	0.76	0.0011 U	0.0012 U	0.00095 U	0.0013 U	0.0011 U	0.0011 U	0.0011 U	0.0010 U
Chlorobenzene	1.1	0.0011 U	0.0012 U	0.00095 U	0.0013 U	0.0011 U	0.0011 U	0.0011 U	0.0010 U
Chloroethane	NA	0.0011 U	0.0012 U	0.00095 U	0.0013 U	0.0011 U	0.0011 U	0.0011 U	0.0010 U
Chloroform	0.37	0.0011 U	0.0012 U	0.00095 U	0.0013 U	0.0011 U	0.0011 U	0.0011 U	0.0010 U
Chloromethane	NA	0.0011 U	0.0012 U	0.00095 U	0.0013 U	0.0011 U	0.0011 U	0.0011 U	0.0010 U
cis-1,2-Dichloroethene	0.25	0.0011 U	0.0012 U	0.00095 U	0.0013 U	0.0011 U	0.0011 U	0.0011 U	0.0010 U
cis-1,3-Dichloropropene	NA	0.0011 U	0.0012 U	0.00095 U	0.0013 U	0.0011 U	0.0011 U	0.0011 U	0.0010 U
Cyclohexane	NA	0.0011 U	0.0012 U	0.00095 U	0.0013 U	0.0011 U	0.0011 U	0.0011 U	0.0010 U
Dibromochloromethane	NA	0.0011 U	0.0012 U	0.00095 U	0.0013 U	0.0011 U	0.0011 U	0.0011 U	0.0010 U
Dichlorodifluoromethane	NA	0.0011 U	0.0012 U	0.00095 U	0.0013 U	0.0011 U	0.0011 U	0.0011 U	0.0010 U
Ethylbenzene	1	0.0011 U	0.0012 U	0.00095 U	0.0013 U	0.0011 U	0.0011 U	0.0011 U	0.0010 U
Freon 113	NA	0.0011 U	0.0012 U	0.00095 U	0.0013 U	0.0011 U	0.0011 U	0.0011 U	0.0010 U
Isopropylbenzene	NA	0.0011 U	0.0012 U	0.00095 U	0.0013 U	0.0011 U	0.0011 U	0.0011 U	0.0010 U
m&p-Xylene	0.26	0.0023 U	0.0023 U	0.0019 U	0.0026 U	0.0021 U	0.0022 U	0.0022 U	0.0020 U
Methyl acetate	NA	0.0011 U	0.0012 U	0.00095 U	0.0013 U	0.0011 U	0.0011 U	0.0011 U	0.0010 U
Methylcyclohexane	NA	0.0011 U	0.0012 U	0.00095 U	0.0013 U	0.0011 U	0.0011 U	0.0011 U	0.0010 U
Methylene Chloride	0.05	0.0011 U	0.00036 J	0.00095 U	0.00042 J B	0.0011 U	0.00023 J B	0.0011 U	0.0010 U
MTBE	0.93	0.0011 U	0.0012 U	0.00095 U	0.0013 U	0.0011 U	0.0011 U	0.0011 U	0.0010 U
Naphthalene	12	0.0011 U	0.0012 U	0.00095 U	0.0013 U	0.0011 U	0.0011 U	0.0011 U	0.0010 U
o-Xylene	0.26	0.0011 U	0.0012 U	0.00095 U	0.0013 U	0.0011 U	0.0011 U	0.0011 U	0.0010 U
Styrene	NA	0.0011 U	0.0012 U	0.00095 U	0.0013 U	0.0011 U	0.0011 U	0.0011 U	0.0010 U
Tetrachloroethene	1.3	0.0011 U	0.0012 U	0.00095 U	0.0013 U	0.0011 U	0.0011 U	0.0011 U	0.0010 U
Toluene	0.7	0.0011 U	0.0012 U	0.00095 U	0.0013 U	0.0011 U	0.0011 U	0.0011 U	0.0010 U
trans-1,2-Dichloroethene	0.19	0.0011 U	0.0012 U	0.00095 U	0.0013 U	0.0011 U	0.0011 U	0.0011 U	0.0010 U
trans-1,3-Dichloropropene	NA	0.0011 U	0.0012 U	0.00095 U	0.0013 U	0.0011 U	0.0011 U	0.0011 U	0.0010 U
Trichloroethene	0.47	0.0011 U	0.0012 U	0.00095 U	0.0013 U	0.0011 U	0.0011 U	0.0011 U	0.0010 U
Trichlorofluoromethane	NA	0.0011 U	0.0012 U	0.00095 U	0.0013 U	0.0011 U	0.0011 U	0.0011 U	0.0010 U
Vinyl chloride	0.02	0.0011 U	0.0012 U	0.00095 U	0.0013 U	0.0011 U	0.0011 U	0.0011 U	0.0010 U
Xylenes, Total	0.26	0.0034 U	0.0035 U	0.0028 U	0.0039 U	0.0032 U	0.0033 U	0.0034 U	0.0030 U
VOC TICs	NA	ND	ND	ND	ND	ND	ND	ND	ND

Notes
ND: TIC not detected
J : This flag indicates the presumptive evidence of a compound.
J B : The analyte was found in an associated blank, as well as in the sample.
J N : Indicates an estimated value.
U : Analyzed for but not detected.
Total xylenes SCO utilized for all isomers
Highlighted / bolded indicates analyte exceeded above its respective NYSDEC Unrestricted SCO / CP-51 Supplemental SCO.
NA - Not Available



Table 6-67
Former Tank No. 6
TCL SVOC End Point Soil Analytical Data

TCL SVOCs (mg/kg)	NYSDEC Unrestricted SCO	Former Tank No. 6							
		End Point Soil Samples							
		End-wall Samples		Bottom Samples		Side-wall Samples			
		T6-EP#2	T6-EP#6	T6-EP#1	T6-EP#5	T6-EP#3	T6-EP#4	T6-EP#7	T6-EP#8
		(9')	(10')	(12')	(12')	(9')	(9')	(10')	(10')
1,2,4,5-Tetrachlorobenzene	NA	0.39 U	0.36 U	0.40 U	0.41 U	0.37 U	0.42 U	0.38 U	0.43 U
1,4-Dioxane	0.1	0.39 U	0.36 U	0.40 U	0.41 U	0.37 U	0.42 U	0.38 U	0.43 U
2,2'-oxybis[1-chloropropane]	NA	0.39 U	0.36 U	0.40 U	0.41 U	0.37 U	0.42 U	0.38 U	0.43 U
2,3,4,6-Tetrachlorophenol	NA	0.39 U	0.36 U	0.40 U	0.41 U	0.37 U	0.42 U	0.38 U	0.43 U
2,4,5-Trichlorophenol	NA	0.39 U	0.36 U	0.40 U	0.41 U	0.37 U	0.42 U	0.38 U	0.43 U
2,4,6-Trichlorophenol	NA	0.39 U	0.36 U	0.40 U	0.41 U	0.37 U	0.42 U	0.38 U	0.43 U
2,4-Dichlorophenol	NA	0.39 U	0.36 U	0.40 U	0.41 U	0.37 U	0.42 U	0.38 U	0.43 U
2,4-Dimethylphenol	NA	0.39 U	0.36 U	0.40 U	0.41 U	0.37 U	0.42 U	0.38 U	0.43 U
2,4-Dinitrophenol	NA	1.2 U	1.1 U	1.2 U	1.2 U	1.1 U	1.3 U	1.1 U	1.3 U
2,4-Dinitrotoluene	NA	0.079 U	0.073 U	0.081 U	0.084 U	0.075 U	0.085 U	0.076 U	0.087 U
2,6-Dinitrotoluene	NA	0.079 U	0.073 U	0.081 U	0.084 U	0.075 U	0.085 U	0.076 U	0.087 U
2-Chloronaphthalene	NA	0.39 U	0.36 U	0.40 U	0.41 U	0.37 U	0.42 U	0.38 U	0.43 U
2-Chlorophenol	NA	0.39 U	0.36 U	0.40 U	0.41 U	0.37 U	0.42 U	0.38 U	0.43 U
2-Methylnaphthalene	NA	0.39 U	0.36 U	0.40 U	0.41 U	0.37 U	0.42 U	0.38 U	0.43 U
2-Methylphenol	0.33	0.39 U	0.36 U	0.40 U	0.41 U	0.37 U	0.42 U	0.38 U	0.43 U
2-Nitroaniline	NA	0.79 U	0.73 U	0.81 U	0.84 U	0.75 U	0.85 U	0.76 U	0.87 U
2-Nitrophenol	NA	0.39 U	0.36 U	0.40 U	0.41 U	0.37 U	0.42 U	0.38 U	0.43 U
3,3'-Dichlorobenzidine	NA	0.79 U	0.73 U	0.81 U	0.84 U	0.75 U	0.85 U	0.76 U	0.87 U
3-Nitroaniline	NA	0.79 U	0.73 U	0.81 U	0.84 U	0.75 U	0.85 U	0.76 U	0.87 U
4,6-Dinitro-2-methylphenol	NA	1.2 U	1.1 U	1.2 U	1.2 U	1.1 U	1.3 U	1.1 U	1.3 U
4-Bromophenyl phenyl ether	NA	0.39 U	0.36 U	0.40 U	0.41 U	0.37 U	0.42 U	0.38 U	0.43 U
4-Chloro-3-methylphenol	NA	0.39 U	0.36 U	0.40 U	0.41 U	0.37 U	0.42 U	0.38 U	0.43 U
4-Chloroaniline	NA	0.39 U	0.36 U	0.40 U	0.41 U	0.37 U	0.42 U	0.38 U	0.43 U
4-Chlorophenyl phenyl ether	NA	0.39 U	0.36 U	0.40 U	0.41 U	0.37 U	0.42 U	0.38 U	0.43 U
4-Methylphenol	0.33	0.39 U	0.36 U	0.40 U	0.41 U	0.37 U	0.42 U	0.38 U	0.43 U
4-Nitroaniline	NA	0.79 U	0.73 U	0.81 U	0.84 U	0.75 U	0.85 U	0.76 U	0.87 U
4-Nitrophenol	NA	1.2 U	1.1 U	1.2 U	1.2 U	1.1 U	1.3 U	1.1 U	1.3 U
Acenaphthene	20	0.39 U	0.36 U	0.40 U	0.41 U	0.37 U	0.42 U	0.38 U	0.43 U
Acenaphthylene	100	0.39 U	0.36 U	0.40 U	0.41 U	0.37 U	0.42 U	0.38 U	0.43 U
Acetophenone	NA	0.39 U	0.36 U	0.40 U	0.41 U	0.37 U	0.42 U	0.38 U	0.43 U
Anthracene	100	0.39 U	0.36 U	0.40 U	0.41 U	0.37 U	0.42 U	0.38 U	0.43 U
Atrazine	NA	0.39 U	0.36 U	0.40 U	0.41 U	0.37 U	0.42 U	0.38 U	0.43 U
Benzaldehyde	NA	0.39 U	0.36 U	0.40 U	0.41 U	0.37 U	0.42 U	0.38 U	0.43 U
Benzo[a]anthracene	1	0.039 U	0.036 U	0.040 U	0.041 U	0.037 U	0.042 U	0.038 U	0.043 U
Benzo[a]pyrene	1	0.019 J	0.036 U	0.040 U	0.041 U	0.037 U	0.042 U	0.038 U	0.043 U
Benzo[b]fluoranthene	1	0.015 J	0.036 U	0.040 U	0.041 U	0.037 U	0.042 U	0.038 U	0.043 U
Benzo[g,h,i]perylene	100	0.39 U	0.36 U	0.40 U	0.41 U	0.37 U	0.42 U	0.38 U	0.43 U
Benzo[k]fluoranthene	0.8	0.039 U	0.036 U	0.040 U	0.041 U	0.037 U	0.042 U	0.038 U	0.043 U
Bis(2-chloroethoxy)methane	NA	0.39 U	0.36 U	0.40 U	0.41 U	0.37 U	0.42 U	0.38 U	0.43 U
Bis(2-chloroethyl)ether	NA	0.039 U	0.036 U	0.040 U	0.041 U	0.037 U	0.042 U	0.038 U	0.043 U
Bis(2-ethylhexyl) phthalate	NA	0.39 U	0.36 U	0.40 U	0.41 U	0.37 U	0.42 U	0.38 U	0.43 U
Butyl benzyl phthalate	NA	0.39 U	0.36 U	0.40 U	0.41 U	0.37 U	0.42 U	0.38 U	0.43 U
Caprolactam	NA	0.39 U	0.36 U	0.40 U	0.41 U	0.37 U	0.42 U	0.38 U	0.43 U
Carbazole	NA	0.39 U	0.36 U	0.40 U	0.41 U	0.37 U	0.42 U	0.38 U	0.43 U
Chrysene	1	0.39 U	0.36 U	0.40 U	0.41 U	0.37 U	0.42 U	0.38 U	0.43 U
Dibenz(a,h)anthracene	0.33	0.039 U	0.036 U	0.040 U	0.041 U	0.037 U	0.042 U	0.038 U	0.043 U
Dibenzofuran	7	0.39 U	0.36 U	0.40 U	0.41 U	0.37 U	0.42 U	0.38 U	0.43 U
Diethyl phthalate	NA	0.39 U	0.36 U	0.40 U	0.41 U	0.37 U	0.42 U	0.38 U	0.43 U
Dimethyl phthalate	NA	0.39 U	0.36 U	0.40 U	0.41 U	0.37 U	0.42 U	0.38 U	0.43 U
Di-n-butyl phthalate	NA	0.39 U	0.36 U	0.40 U	0.41 U	0.37 U	0.42 U	0.38 U	0.43 U
Di-n-octyl phthalate	NA	0.39 U	0.36 U	0.40 U	0.41 U	0.37 U	0.42 U	0.38 U	0.43 U
Diphenyl	NA	0.39 U	0.36 U	0.40 U	0.41 U	0.37 U	0.42 U	0.38 U	0.43 U
Fluoranthene	100	0.39 U	0.36 U	0.40 U	0.41 U	0.37 U	0.42 U	0.38 U	0.43 U
Fluorene	30	0.39 U	0.36 U	0.40 U	0.41 U	0.37 U	0.42 U	0.38 U	0.43 U
Hexachlorobenzene	0.33	0.039 U	0.036 U	0.040 U	0.041 U	0.037 U	0.042 U	0.038 U	0.043 U
Hexachlorobutadiene	NA	0.079 U	0.073 U	0.081 U	0.084 U	0.075 U	0.085 U	0.076 U	0.087 U
Hexachlorocyclopentadiene	NA	0.39 U	0.36 U	0.40 U	0.41 U	0.37 U	0.42 U	0.38 U	0.43 U
Hexachloroethane	NA	0.039 U	0.036 U	0.040 U	0.041 U	0.037 U	0.042 U	0.038 U	0.043 U
Indeno[1,2,3-cd]pyrene	0.5	0.039 U	0.036 U	0.040 U	0.041 U	0.037 U	0.042 U	0.038 U	0.043 U
Isophorone	NA	0.39 U	0.36 U	0.40 U	0.41 U	0.37 U	0.42 U	0.38 U	0.43 U
Naphthalene	12	0.39 U	0.36 U	0.40 U	0.41 U	0.37 U	0.42 U	0.38 U	0.43 U
Nitrobenzene	NA	0.039 U	0.036 U	0.040 U	0.041 U	0.037 U	0.042 U	0.038 U	0.043 U
N-Nitrosodi-n-propylamine	NA	0.039 U	0.036 U	0.040 U	0.041 U	0.037 U	0.042 U	0.038 U	0.043 U
N-Nitrosodiphenylamine	NA	0.39 U	0.36 U	0.40 U	0.41 U	0.37 U	0.42 U	0.38 U	0.43 U
Pentachlorophenol	0.8	1.2 U	1.1 U	1.2 U	1.2 U	1.1 U	1.3 U	1.1 U	1.3 U
Phenanthrene	100	0.39 U	0.36 U	0.40 U	0.41 U	0.37 U	0.42 U	0.38 U	0.43 U
Phenol	0.33	0.39 U	0.36 U	0.40 U	0.41 U	0.37 U	0.42 U	0.38 U	0.43 U
Pyrene	100	0.39 U	0.36 U	0.40 U	0.41 U	0.37 U	0.42 U	0.38 U	0.43 U
Pyridine	NA	0.39 U	0.36 U	0.40 U	0.41 U	0.37 U	0.42 U	0.38 U	0.43 U
TSVOC TICs	NA	ND	ND	ND	ND	ND	ND	ND	ND

Notes
ND: TIC not detected
J : Indicates an estimated value.
J N : This flag indicates the presumptive evidence of a compound.
U : Analyzed for but not detected.
Highlighted / bolded indicates analyte exceeded above its respective NYSDEC Unrestricted SCO / CP-51 Supplemental SCO.
NA - Not Available



Table 6-68
Former Tank No. 6
TAL Metals End Point Soil Analytical Data

TAL Metals (mg/kg)	NYSDEC Unrestricted SCO	Former Tank No. 6								
		End Point Soil Samples								
		End-wall Samples		Bottom Samples		Side-wall Samples				
		T6-EP #2 (9')	T6-EP #6 (10')	T6-EP #1 (12')	T6-EP #5 (12')	T6-EP #3 (9')	T6-EP #4 (9')	T6-EP#9 (10.5')	T6-EP #7 (10')	T6-EP #8 (10')
Aluminum	NA	1,640	2,350	3,810	2,890	2,170	2,510	14,300	2,100	2,390
Antimony	NA	1.8 U	1.6 U	2.3 U	1.9 U	1.6 U	2.4 U	4.4 U	1.9 U	1.9 U
Arsenic	13	0.86 J	0.82 U	2.1	1.2	1.1	1.2 U	1.1 J	0.97 U	1.2
Barium	350	10.5 J	17.9 J	26.9 J	23.8 J	22.3 J	29.3 J	166	17.2 J	16.7 J
Beryllium	7.2	0.37 U	0.12 J	0.22 J	0.16 J	0.13 J	0.47 U	0.44 U	0.39 U	0.16 J
Cadmium	2.5	0.92 U	0.82 U	1.2 U	0.93 U	0.79 U	1.2 U	0.88 U	0.97 U	0.94 U
Calcium	NA	417 J	377 J	790 J	902 J	481 J	627 J	7,820	291 J	577 J
Chromium ¹	30	3.5	4.1	7.0	6.5	4.0	5.7	31.5	4.0	5.4
Cobalt	NA	2.3 J	1.8 J	3.7 J	2.3 J	2.0 J	1.5 J	10.8 J	1.6 J	3.1 J
Copper	50	3.2 J	3.8 J	6.2	5.3	3.9 J	6.3	23.4	3.4 J	3.3 J
Iron	NA	4,330	3,190	8,260	5,770	3,720	5,260	25,900	3,180	4,950
Lead	63	1.3	2.1	2.8	2.3	2.0	2.1	8.2	1.4	1.9
Magnesium	NA	625 J	855	1,100 J	1,000	683 J	810 J	7,860	675 J	809 J
Manganese	1,600	46.2	113	99.5	127	92.3	91.4	391	112	65.3
Nickel	30	3.5 J	8.1	6.4 J	5.0 J	4.4 J	5.3 J	22.0	3.5 J	5.1 J
Potassium	NA	334 J	497 J	698 J	673 J	448 J	505 J	6,260	508 J	589 J
Selenium	3.9	1.8 U	1.6 U	2.3 U	1.9 U	1.6 U	2.4 U	4.4 U	1.9 U	1.9 U
Silver	2	1.8 U	1.6 U	2.3 U	0.67 J	1.6 U	7.5	2.2 U	1.9 U	1.9 U
Sodium	NA	918 U	821 U	1,170 U	927 U	794 U	1,180 U	174 J	973 U	944 U
Thallium	NA	1.8 U	1.6 U	2.3 U	1.9 U	1.6 U	2.4 U	4.4 U	1.9 U	1.9 U
Vanadium	NA	4.2 J	4.7 J	9.5 J	6.9 J	4.8 J	6.3 J	44.2	3.9 J	6.2 J
Zinc	109	9.9	9.5	17.9	13.6	9.3	11.3	61.8	7.6	10.6
Mercury	0.18	0.019 U	0.016 U	0.019 U	0.020 U	0.019 U	0.022 U	0.019 U	0.017 U	0.022 U

Notes

J : Sample result is greater than the MDL but below the CRDL

U : Indicates analyzed for but not detected.

¹ Trivalent chromium SCOs utilized.

Highlighted / bolded indicates analyte exceeded above its respective NYSDEC Unrestricted SCO.

NA - Not Available

NS - No Standard Available

_____ Indicates that sample locations were removed as part of supplemental soil excavation activities.

Table 8-1
Former Tank No. 6
Waste Disposal Documentation

Manifest Number	Amount of Materials (tons)
082324	38.42
082132	34.98
082135	35.40
082329	32.58
082330	34.48
082331	32.80
082326	33.23
082327	32.85
082328	34.68
Total:	309.42



Table 8-2 Former Tank No. 9 Waste Disposal Documentation		
Manifest Number	Amount of Materials (tons)	Facility
82240	31.85	ESMI
82238	35.55	ESMI
82241	32.97	ESMI
82235	36.43	ESMI
82236	32.95	ESMI
82237	35.34	ESMI
82233	36.70	ESMI
82196	36.13	ESMI
82198	39.61	ESMI
82197	37.35	ESMI
82194	31.86	ESMI
82193	35.72	ESMI
82191	33.88	ESMI
82192	37.27	ESMI
82189	34.94	ESMI
82190	37.98	ESMI
82187	39.97	ESMI
82186	32.95	ESMI
82188	37.04	ESMI
82185	32.12	ESMI
82184	38.41	ESMI
82183	33.63	ESMI
82182	32.35	ESMI
82181	33.42	ESMI
82179	34.82	ESMI
82180	37.97	ESMI
82178	36.50	ESMI
88050	32.86	ESMI
82177	41.89	ESMI
82176	39.09	ESMI
88049	38.44	ESMI
88048	37.58	ESMI
88047	37.77	ESMI
88046	35.67	ESMI
88043	36.51	ESMI
88045	38.23	ESMI
88044	37.76	ESMI
88040	36.21	ESMI
88042	35.17	ESMI
88041	37.79	ESMI
88039	33.13	ESMI
88038	34.65	ESMI
88037	37.65	ESMI
88036	36.11	ESMI
88035	32.86	ESMI
88034	34.03	ESMI
88030	37.78	ESMI
88031	35.99	ESMI
88029	35.37	ESMI
88033	33.99	ESMI
88032	35.55	ESMI
88085	38.17	ESMI
88086	33.76	ESMI
88088	39.50	ESMI
88087	36.62	ESMI
88089	34.45	ESMI
88091	37.48	ESMI
88247	31.13	MCLF
88248	33.27	MCLF
88252	31.51	MCLF
88326	28.55	MCLF
88254	31.68	MCLF
88255	30.25	MCLF
88316	31.07	MCLF
88263	30.53	MCLF
88264	32.50	MCLF
88265	30.60	MCLF
88266	32.93	MCLF
88267	27.92	MCLF
88278	29.93	MCLF
88279	29.85	MCLF
88280	31.78	MCLF
88287	28.85	MCLF
88288	26.60	MCLF
88289	31.43	MCLF
88290	31.22	MCLF
88291	29.82	MCLF
88294	27.45	MCLF
88300	26.56	MCLF
88301	29.53	MCLF
88302	26.99	MCLF
88303	26.82	MCLF
87589	31.13	MCLF
87590	32.18	MCLF
87591	32.53	MCLF
87592	29.33	MCLF
TOTAL	2,921.71	



Table 8-3
C5-4 / North Alleyway Area
Waste Disposal Documentation

Manifest Number	Amount of Materials (tons)	Facility
82242	37.97	ESMI
82244	34.15	ESMI
82243	33.61	ESMI
82246	37.01	ESMI
82249	40.80	ESMI
82247	33.39	ESMI
82248	34.17	ESMI
82245	35.61	ESMI
88028	33.31	ESMI
88026	33.98	ESMI
88025	36.39	ESMI
88027	33.01	ESMI
88023	32.24	ESMI
88024	35.56	ESMI
88021	33.33	ESMI
88022	34.24	ESMI
88020	39.76	ESMI
88017	35.72	ESMI
88018	30.44	ESMI
88019	41.21	ESMI
88016	33.04	ESMI
88015	37.98	ESMI
88012	35.66	ESMI
88011	32.33	ESMI
88014	32.55	ESMI
88013	35.70	ESMI
88010	35.90	ESMI
88008	31.59	ESMI
88007	34.02	ESMI
88006	31.46	ESMI
88005	34.01	ESMI
88003	34.25	ESMI
88009	35.90	ESMI
88004	35.16	ESMI
88002	36.32	ESMI
88001	36.66	ESMI
88078	33.17	ESMI
88082	35.23	ESMI
88083	32.48	ESMI
88079	33.27	ESMI
88084	35.78	ESMI
88080	32.98	ESMI
88081	35.20	ESMI
88077	33.98	ESMI
88100	36.42	ESMI
88052	35.58	ESMI
88053	36.58	ESMI
88051	38.47	ESMI
88057	35.13	ESMI
88058	36.09	ESMI
88056	35.64	ESMI
88054	34.74	ESMI
88055	36.72	ESMI
88059	32.14	ESMI
88060	34.52	ESMI
88063	33.78	ESMI
88062	39.64	ESMI
88064	32.97	ESMI
88061	40.28	ESMI
88065	42.25	ESMI
88066	35.61	ESMI
88067	34.45	ESMI
88068	37.01	ESMI
88070	35.39	ESMI
88069	34.77	ESMI
88072	34.30	ESMI
88071	35.62	ESMI
88101	35.57	ESMI
88075	35.30	ESMI
88076	34.76	ESMI
88073	35.06	ESMI



Table 8-3
C5-4 / North Alleyway Area
Waste Disposal Documentation

Manifest Number	Amount of Materials (tons)	Facility
88074	35.87	ESMI
88103	36.18	ESMI
88104	41.29	ESMI
88105	34.45	ESMI
88106	31.85	ESMI
88102	38.71	ESMI
88107	35.20	ESMI
88109	35.27	ESMI
88110	35.86	ESMI
88114	33.08	ESMI
88112	37.40	ESMI
88108	34.23	ESMI
88111	33.67	ESMI
88113	38.31	ESMI
88121	33.89	ESMI
88116	36.47	ESMI
88117	38.49	ESMI
88118	35.99	ESMI
88119	37.29	ESMI
88120	34.92	ESMI
88115	38.24	ESMI
88122	36.50	ESMI
88123	37.23	ESMI
88132	37.93	ESMI
88134	34.02	ESMI
88133	35.66	ESMI
88135	36.41	ESMI
88137	32.15	ESMI
88136	33.81	ESMI
88138	27.35	ESMI
88140	36.38	ESMI
88141	33.96	ESMI
88139	35.92	ESMI
88142	35.48	ESMI
88143	40.40	ESMI
88144	38.44	ESMI
88145	35.57	ESMI
88146	37.44	ESMI
88147	37.30	ESMI
88124	35.92	ESMI
88126	36.20	ESMI
88125	38.80	ESMI
88128	36.35	ESMI
88127	36.36	ESMI
88129	32.85	ESMI
88130	37.42	ESMI
88131	37.15	ESMI
88148	37.05	ESMI
88149	36.30	ESMI
88150	39.04	ESMI
88417	34.91	ESMI
88418	35.23	ESMI
88415	37.71	ESMI
88414	35.14	ESMI
88416	37.34	ESMI
88396	32.68	ESMI
88395	35.66	ESMI
88397	37.71	ESMI
88393	32.83	ESMI
88394	35.87	ESMI
88391	34.09	ESMI
88388	34.42	ESMI
88389	37.96	ESMI
88390	33.49	ESMI
88392	37.14	ESMI
88387	32.44	ESMI
88385	33.50	ESMI
88386	35.04	ESMI
88384	35.23	ESMI
88383	35.23	ESMI
88381	35.11	ESMI



Table 8-3
C5-4 / North Alleyway Area
Waste Disposal Documentation

Manifest Number	Amount of Materials (tons)	Facility
88382	36.44	ESMI
88380	38.01	ESMI
88379	34.74	ESMI
88378	33.02	ESMI
87700	39.63	ESMI
87698	35.04	ESMI
87699	35.98	ESMI
87701	38.26	ESMI
88419	39.80	ESMI
88421	35.25	ESMI
88420	35.44	ESMI
88422	35.65	ESMI
88423	36.47	ESMI
88426	36.65	ESMI
88427	41.24	ESMI
88424	41.90	ESMI
88425	36.97	ESMI
88428	36.06	ESMI
88429	37.44	ESMI
88430	39.01	ESMI
88431	38.98	ESMI
88432	40.36	ESMI
88433	33.68	ESMI
88434	36.10	ESMI
88435	35.57	ESMI
88436	38.97	ESMI
88438	35.54	ESMI
88437	37.45	ESMI
88442	34.06	ESMI
88440	36.15	ESMI
88441	35.91	ESMI
88439	33.93	ESMI
88443	33.79	ESMI
88444	36.63	ESMI
88446	37.23	ESMI
88445	35.09	ESMI
88447	41.55	ESMI
88448	37.26	ESMI
88450	40.96	ESMI
88449	38.43	ESMI
88452	35.86	ESMI
88451	38.56	ESMI
88453	34.94	ESMI
88454	33.96	ESMI
88458	32.82	ESMI
88456	38.62	ESMI
88455	37.75	ESMI
88459	37.10	ESMI
88457	36.03	ESMI
88460	36.55	ESMI
88461	34.48	ESMI
88462	34.31	ESMI
88463	32.64	ESMI
88464	38.68	ESMI
88465	35.80	ESMI
88466	37.53	ESMI
TOTAL	7,096.36	

Table 8-4
All RCRA AOCs
Summary of Soils Waste Disposal Manifests

Manifest Number	Amount of Materials (tons)	Facility
82232	32.17	ESMI
82231	32.18	ESMI
82230	35.60	ESMI
82229	34.31	ESMI
82228	32.95	ESMI
82227	35.01	ESMI
82226	33.09	ESMI
82225	36.34	ESMI
82224	29.84	ESMI
82223	34.53	ESMI
82220	32.40	ESMI
82222	34.78	ESMI
82221	31.63	ESMI
82219	35.96	ESMI
82218	38.06	ESMI
82217	30.32	ESMI
82216	34.89	ESMI
82215	35.61	ESMI
82214	33.56	ESMI
82212	40.62	ESMI
82213	31.87	ESMI
82211	31.10	ESMI
82210	35.15	ESMI
82209	37.02	ESMI
82208	38.27	ESMI
82207	39.23	ESMI
82206	37.94	ESMI
82205	33.18	ESMI
82204	33.61	ESMI
82203	36.42	ESMI
82202	36.12	ESMI
82201	31.70	ESMI
82200	34.41	ESMI
82199	32.77	ESMI
88350	24.11	MCLF
88341	26.03	MCLF
88342	28.47	MCLF
88343	27.78	MCLF
88344	26.80	MCLF
88345	31.95	MCLF
88346	28.08	MCLF
88347	32.30	MCLF
88348	31.16	MCLF
88349	29.57	MCLF
88090	35.74	ESMI
88092	34.44	ESMI
88093	37.43	ESMI
88094	37.84	ESMI
88331	32.93	MCLF
88332	31.38	MCLF
88333	31.47	MCLF
88334	30.28	MCLF
88335	32.67	MCLF
88336	29.70	MCLF
88337	31.78	MCLF
88338	30.77	MCLF
88339	32.59	MCLF
88340	31.38	MCLF
88330	32.81	MCLF
88328	28.73	MCLF
88329	29.43	MCLF
88095	37.18	ESMI
88324	32.13	MCLF
88325	30.90	MCLF
88096	35.18	ESMI
88097	36.57	ESMI
88098	34.96	ESMI
88099	35.39	ESMI
88308	30.49	MCLF
88309	27.95	MCLF
88310	27.88	MCLF
88311	28.08	MCLF
88312	29.07	MCLF
88313	32.66	MCLF
88314	29.93	MCLF
88315	29.82	MCLF
88317	29.73	MCLF
88318	33.93	MCLF
88319	32.95	MCLF
88320	30.74	MCLF

Table 8-4
All RCRA AOCs
Summary of Soils Waste Disposal Manifests

Manifest Number	Amount of Materials (tons)	Facility
88321	31.03	MCLF
88327	32.55	MCLF
88322	29.02	MCLF
88323	29.00	MCLF
88251	31.58	MCLF
88250	32.83	MCLF
88249	30.15	MCLF
88248	33.27	MCLF
88247	31.13	MCLF
88326	28.55	MCLF
88252	31.51	MCLF
88316	31.07	MCLF
88254	31.68	MCLF
88255	30.25	MCLF
88256	31.03	MCLF
88257	31.48	MCLF
88258	31.75	MCLF
88259	30.63	MCLF
88260	30.62	MCLF
88261	29.23	MCLF
88253	31.02	MCLF
88262	29.09	MCLF
88263	30.53	MCLF
88264	32.50	MCLF
88265	30.60	MCLF
88266	32.93	MCLF
88267	27.92	MCLF
88268	33.14	MCLF
88269	32.91	MCLF
88270	32.46	MCLF
88271	32.74	MCLF
88272	29.72	MCLF
88273	32.41	MCLF
88274	24.15	MCLF
88275	30.85	MCLF
88276	32.84	MCLF
88277	30.69	MCLF
88278	29.93	MCLF
88279	29.85	MCLF
88280	31.78	MCLF
88281	31.61	MCLF
88282	29.23	MCLF
88283	28.55	MCLF
88284	29.10	MCLF
88285	28.10	MCLF
88286	26.61	MCLF
88287	28.85	MCLF
88288	26.60	MCLF
88296	25.78	MCLF
88295	25.93	MCLF
88297	29.15	MCLF
88298	25.83	MCLF
88294	27.45	MCLF
88289	31.43	MCLF
88290	31.22	MCLF
88291	29.82	MCLF
88300	26.56	MCLF
88301	29.53	MCLF
88302	26.99	MCLF
88303	26.82	MCLF
88299	25.33	MCLF
88292	28.08	MCLF
88304	26.09	MCLF
88305	30.47	MCLF
88306	27.30	MCLF
88307	27.04	MCLF
88202	30.33	MCLF
88203	30.79	MCLF
88209	30.79	MCLF
88210	30.06	MCLF
88211	30.02	MCLF
88213	30.74	MCLF
88214	30.50	MCLF
88215	27.81	MCLF
88216	29.42	MCLF
88217	29.76	MCLF
88218	30.80	MCLF
88219	30.46	MCLF
88220	30.30	MCLF
88221	30.10	MCLF

Table 8-4
All RCRA AOCs
Summary of Soils Waste Disposal Manifests

Manifest Number	Amount of Materials (tons)	Facility
88222	29.25	MCLF
88223	31.76	MCLF
88233	29.80	MCLF
88232	31.48	MCLF
88231	30.88	MCLF
88230	30.30	MCLF
88229	30.08	MCLF
88228	31.00	MCLF
88227	30.58	MCLF
88226	28.54	MCLF
88225	32.92	MCLF
88224	28.43	MCLF
88413	36.11	ESMI
88412	35.56	ESMI
88411	29.98	ESMI
88410	33.09	ESMI
88409	32.63	ESMI
88408	35.24	ESMI
88407	36.44	ESMI
88406	34.25	ESMI
88405	32.86	ESMI
88404	34.54	ESMI
88212	28.06	MCLF
88234	30.08	MCLF
88235	28.52	MCLF
88236	29.87	MCLF
88237	27.24	MCLF
88238	30.27	MCLF
88239	27.08	MCLF
88403	37.79	ESMI
88402	41.27	ESMI
88401	37.42	ESMI
88400	36.71	ESMI
88399	38.35	ESMI
88398	33.68	ESMI
88397	37.71	ESMI
88396	32.68	ESMI
88395	35.66	ESMI
88240	31.78	MCLF
88241	30.40	MCLF
88242	31.22	MCLF
88243	30.69	MCLF
88244	28.87	MCLF
88245	28.64	MCLF
88394	35.87	ESMI
88393	32.83	ESMI
88392	37.14	ESMI
88391	34.09	ESMI
88390	33.49	ESMI
88389	37.96	ESMI
88388	34.42	ESMI
88387	32.44	ESMI
88151	31.65	MCLF
88152	32.02	MCLF
88153	28.97	MCLF
88154	31.80	MCLF
88155	32.07	MCLF
88156	32.15	MCLF
88157	26.84	MCLF
88158	22.37	MCLF
88159	24.97	MCLF
88386	35.04	ESMI
88385	33.50	ESMI
88384	35.23	ESMI
88383	35.23	ESMI
88382	36.44	ESMI
88381	35.11	ESMI
88380	38.01	ESMI
88379	34.74	ESMI
88377	37.48	ESMI
88376	42.54	ESMI
88375	33.78	ESMI
88374	33.57	ESMI
88373	35.12	ESMI
88372	35.35	ESMI
88371	33.49	ESMI
88370	38.10	ESMI
88369	35.21	ESMI
87658	37.02	ESMI
87659	35.25	ESMI

Table 8-4
All RCRA AOCs
Summary of Soils Waste Disposal Manifests

Manifest Number	Amount of Materials (tons)	Facility
87660	35.92	ESMI
87661	37.28	ESMI
87662	35.06	ESMI
87663	36.03	ESMI
87664	36.71	ESMI
87665	36.26	ESMI
87666	32.14	ESMI
87667	36.50	ESMI
87668	31.02	ESMI
87669	34.08	ESMI
87670	36.43	ESMI
87671	34.05	ESMI
87672	40.50	ESMI
87673	33.50	ESMI
87674	36.67	ESMI
87675	33.56	ESMI
87676	36.08	ESMI
87677	34.89	ESMI
87678	38.25	ESMI
87679	34.52	ESMI
87680	34.82	ESMI
87681	33.18	ESMI
87682	38.57	ESMI
87683	38.14	ESMI
87684	41.30	ESMI
87685	34.98	ESMI
87686	40.65	ESMI
87687	36.84	ESMI
87688	39.27	ESMI
87689	44.42	ESMI
88246	30.59	MCLF
88160	28.73	MCLF
88161	32.33	MCLF
88162	29.55	MCLF
88163	32.54	MCLF
88164	34.35	MCLF
87690	35.73	ESMI
87691	38.20	ESMI
87692	37.12	ESMI
87693	37.92	ESMI
87694	36.73	ESMI
87695	38.76	ESMI
87696	38.30	ESMI
87697	38.11	ESMI
88165	31.26	MCLF
88166	28.25	MCLF
88167	28.84	MCLF
88168	31.07	MCLF
88169	29.32	MCLF
88170	30.75	MCLF
88171	28.94	MCLF
88172	31.60	MCLF
88173	29.17	MCLF
88174	31.61	MCLF
88175	31.51	MCLF
88176	33.95	MCLF
88189	29.65	MCLF
88188	28.61	MCLF
88187	29.04	MCLF
88186	31.19	MCLF
88185	29.26	MCLF
88184	31.71	MCLF
88183	35.00	MCLF
88182	29.70	MCLF
88181	29.93	MCLF
88180	31.59	MCLF
88179	28.36	MCLF
88178	30.39	MCLF
88177	32.40	MCLF
88193	31.22	MCLF
88192	30.91	MCLF
88191	29.51	MCLF
88190	29.06	MCLF
88194	34.58	MCLF
88195	34.11	MCLF
88196	31.12	MCLF
88197	28.65	MCLF
88198	29.50	MCLF
88199	33.00	MCLF
88200	24.26	MCLF

Table 8-4
All RCRA AOCs
Summary of Soils Waste Disposal Manifests

Manifest Number	Amount of Materials (tons)	Facility
88201	22.16	MCLF
87551	31.98	MCLF
87550	31.31	MCLF
87549	34.02	MCLF
87548	31.44	MCLF
87547	35.01	MCLF
87546	32.19	MCLF
87545	31.38	MCLF
87544	35.83	MCLF
87543	31.88	MCLF
87542	29.44	MCLF
87541	33.15	MCLF
87540	30.17	MCLF
87539	32.33	MCLF
87538	34.45	MCLF
87533	30.33	MCLF
87532	34.11	MCLF
87528	30.48	MCLF
87526	28.98	MCLF
87525	26.57	MCLF
87524	26.72	MCLF
87523	27.28	MCLF
87522	31.13	MCLF
87554	31.94	MCLF
87555	26.97	MCLF
87556	25.06	MCLF
87557	26.50	MCLF
87558	27.00	MCLF
87559	24.25	MCLF
87560	28.03	MCLF
87561	23.03	MCLF
87662	33.11	MCLF
87563	25.30	MCLF
87564	29.42	MCLF
87565	36.21	MCLF
87566	37.40	MCLF
87567	30.57	MCLF
87568	32.17	MCLF
87569	33.16	MCLF
87570	31.03	MCLF
87571	31.79	MCLF
87572	27.35	MCLF
87573	31.53	MCLF
87574	31.43	MCLF
87575	29.41	MCLF
87576	30.45	MCLF
87577	32.21	MCLF
87578	30.01	MCLF
87579	30.05	MCLF
87580	30.59	MCLF
87581	31.68	MCLF
87582	28.70	MCLF
87583	32.11	MCLF
87584	27.68	MCLF
87594	32.01	MCLF
87593	27.81	MCLF
87588	28.40	MCLF
87587	27.66	MCLF
87586	27.83	MCLF
87585	28.30	MCLF
87595	27.35	MCLF
87596	28.99	MCLF
87597	30.83	MCLF
87598	31.91	MCLF
87599	30.36	MCLF
87600	31.31	MCLF
87601	29.91	MCLF
87602	32.33	MCLF
87603	30.58	MCLF
87604	30.35	MCLF
87605	28.59	MCLF
87606	29.56	MCLF
87607	28.77	MCLF
87608	25.11	MCLF
87609	25.43	MCLF
87610	26.41	MCLF
87611	25.78	MCLF
87612	27.23	MCLF
87613	27.74	MCLF
87614	29.50	MCLF

Table 8-4
All RCRA AOCs
Summary of Soils Waste Disposal Manifests

Manifest Number	Amount of Materials (tons)	Facility
87615	25.57	MCLF
87616	28.36	MCLF
87617	31.60	MCLF
87618	31.33	MCLF
87619	31.11	MCLF
87620	15.20	MCLF
87621	31.52	MCLF
87622	26.43	MCLF
87623	22.36	MCLF
87624	27.18	MCLF
87625	24.93	MCLF
87626	30.49	MCLF
87627	32.48	MCLF
87628	26.48	MCLF
87629	34.35	MCLF
87630	31.26	MCLF
87631	26.38	MCLF
87782	40.14	ESMI
87781	33.83	ESMI
87777	41.89	ESMI
87776	48.36	ESMI
87632	27.08	MCLF
87633	26.14	MCLF
87634	33.36	MCLF
87635	30.40	MCLF
87636	28.13	MCLF
87637	31.15	MCLF
87638	29.13	MCLF
87639	32.84	MCLF
87640	28.18	MCLF
87641	27.23	MCLF
87642	28.37	MCLF
87643	28.92	MCLF
87644	26.60	MCLF
87645	29.13	MCLF
87646	25.86	MCLF
87647	28.00	MCLF
87648	28.00	MCLF
87649	32.94	MCLF
87650	25.35	MCLF
87651	31.88	MCLF
89500	30.20	MCLF
89501	26.00	MCLF
89491	31.03	MCLF
89492	33.44	MCLF
89458	16.16	MCLF
87948	25.52	MCLF
87949	27.53	MCLF
87950	26.94	MCLF
87951	24.24	MCLF
87952	29.40	MCLF
89459	21.30	MCLF
89460	22.42	MCLF
89461	18.46	MCLF
87953	28.34	MCLF
88000	33.76	MCLF
87954	27.20	MCLF
87955	28.60	MCLF
87956	27.41	MCLF
87957	28.33	MCLF
87958	25.08	MCLF
87734	36.45	ESMI
87735	36.39	ESMI
87736	36.38	ESMI
87737	35.08	ESMI
87738	35.37	ESMI
87739	37.03	ESMI
87740	37.66	ESMI
87741	34.78	ESMI
87742	37.47	ESMI
87743	40.68	ESMI
87733	36.40	ESMI
87744	35.93	ESMI
87745	38.47	ESMI
87746	36.83	ESMI
87747	35.49	ESMI
87748	38.62	ESMI
87749	34.11	ESMI
87750	39.25	ESMI
87751	37.65	ESMI

Table 8-4
All RCRA AOCs
Summary of Soils Waste Disposal Manifests

Manifest Number	Amount of Materials (tons)	Facility
87752	35.95	ESMI
87753	35.44	ESMI
87754	35.19	ESMI
87755	34.09	ESMI
87756	35.01	ESMI
87757	34.57	ESMI
87758	35.88	ESMI
87759	34.53	ESMI
87760	35.95	ESMI
87761	36.54	ESMI
87762	34.74	ESMI
87763	34.32	ESMI
87764	36.68	ESMI
87765	33.29	ESMI
87767	36.96	ESMI
87768	35.58	ESMI
87769	35.74	ESMI
87770	34.27	ESMI
87771	37.90	ESMI
87772	36.22	ESMI
87774	32.29	ESMI
87773	36.23	ESMI
87783	34.25	ESMI
87784	35.42	ESMI
87785	34.16	ESMI
87786	35.34	ESMI
87787	38.40	ESMI
87788	33.12	ESMI
87789	39.05	ESMI
87790	32.92	ESMI
87791	37.47	ESMI
87792	33.50	ESMI
87794	34.70	ESMI
87793	36.24	ESMI
87795	35.22	ESMI
87796	35.72	ESMI
87797	36.84	ESMI
87798	37.83	ESMI
87799	36.80	ESMI
87800	35.27	ESMI
87801	34.73	ESMI
87802	35.82	ESMI
87803	32.37	ESMI
87804	34.56	ESMI
87805	35.30	ESMI
87806	37.98	ESMI
87807	36.18	ESMI
87808	36.78	ESMI
87809	35.05	ESMI
87810	36.56	ESMI
87811	34.56	ESMI
87812	34.75	ESMI
87813	37.42	ESMI
87831	33.24	Bayshore
87832	29.46	Bayshore
89218	33.58	Bayshore
89217	31.50	Bayshore
89216	30.87	Bayshore
89215	29.11	Bayshore
89214	28.71	Bayshore
89213	30.52	Bayshore
E0063020	26.39	Bayshore
E0063043	32.29	Bayshore
TOTAL:	17,351.39	

FIGURES



Client: Konica Minolta
Project No.: EQNRTH1301
Project Location: Glen Cove, NY
Date: February 2015



SOURCE: MAIN BUILDING FIRST FLOOR
KONICA GRAPHIC IMAGING USA, INC.
DATE: AUGUST 9, 2002



SIGNATURE	DATE
REVIEW ENGR.	
PROJECT ENGR.	
PROJECT MGR.	
CLIENT:	

120-D WILBUR PLACE, BOHEMIA, NY

APEX
KONICA GRAPHIC
IMAGING CO.

GLEN COVE
NEW YORK

MAIN BUILDING
OVERVIEW PLAN
(PRE-DEMOLITION)

DESIGNED BY:	DETAILED BY:	CHECKED BY:
DJS	TRS	
DRAWING DATE:	ACAD. FILE:	
6/19/12	8547MAINBLDG	
PROJECT NO.:	CONTRACT:	
85247		
DRAWING:	REVISION:	

FIGURE 3-2B
FORMER EMULSION AND
SILVER HANDLING AREA

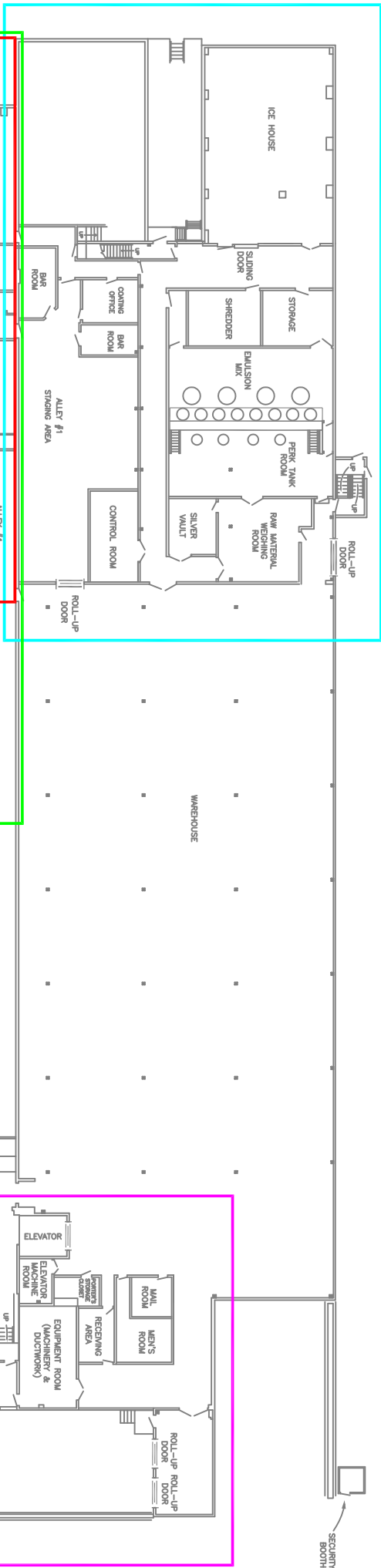


FIGURE 3-3
FORMER STORAGE AND
CENTRAL CORRIDOR

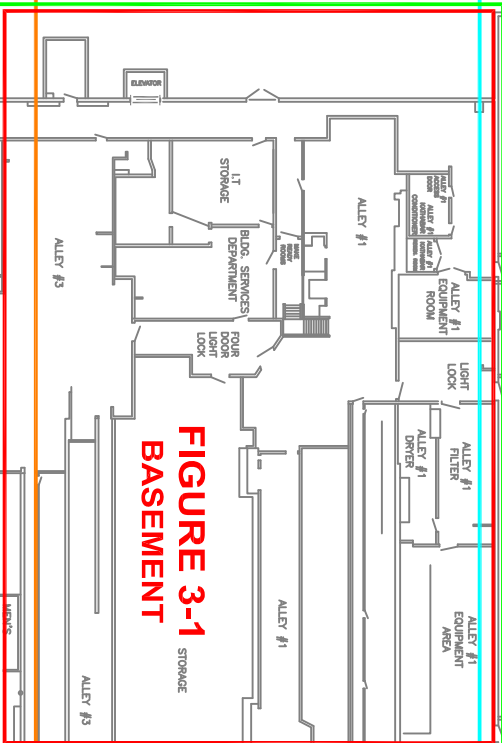


FIGURE 3-1
BASEMENT

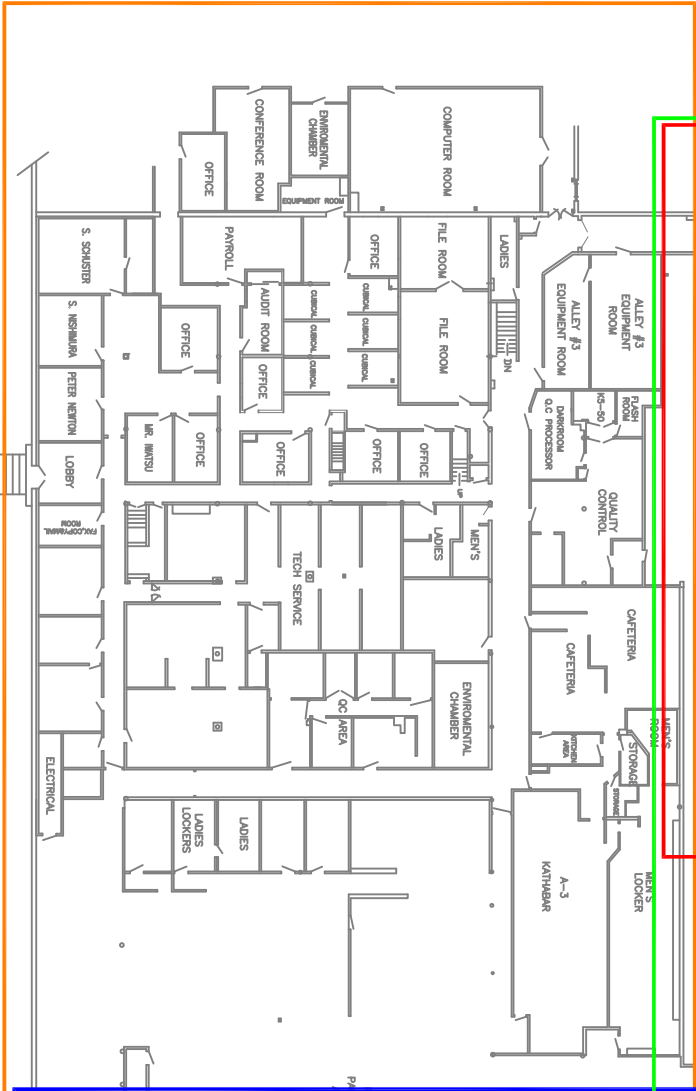


FIGURE 3-6
FORMER OFFICES, DARKROOM
AND CAFETERIA AREAS



FIGURE 3-4
FORMER INSPECTION AND
PRACTICA AREAS

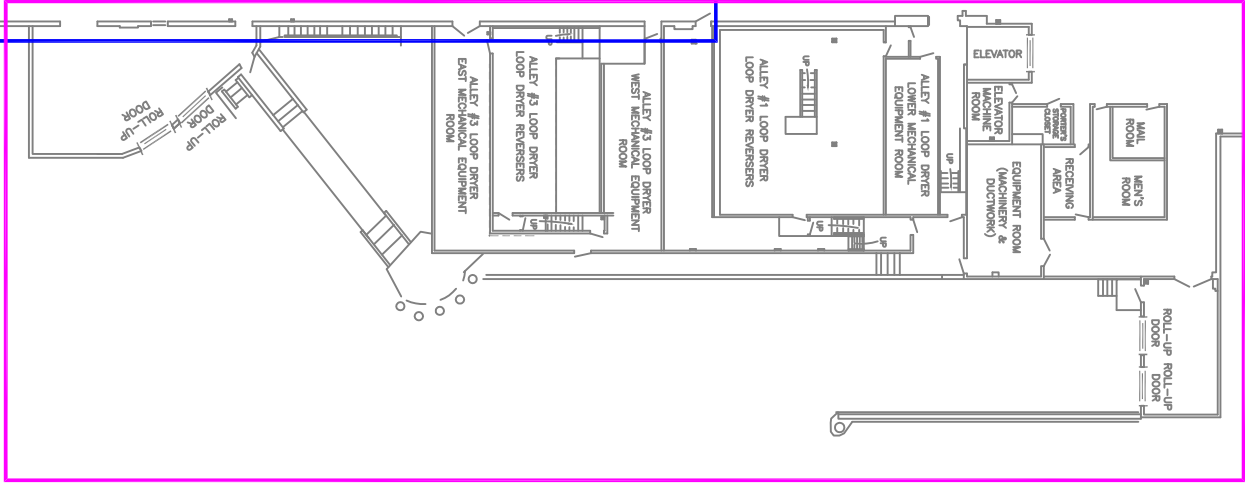
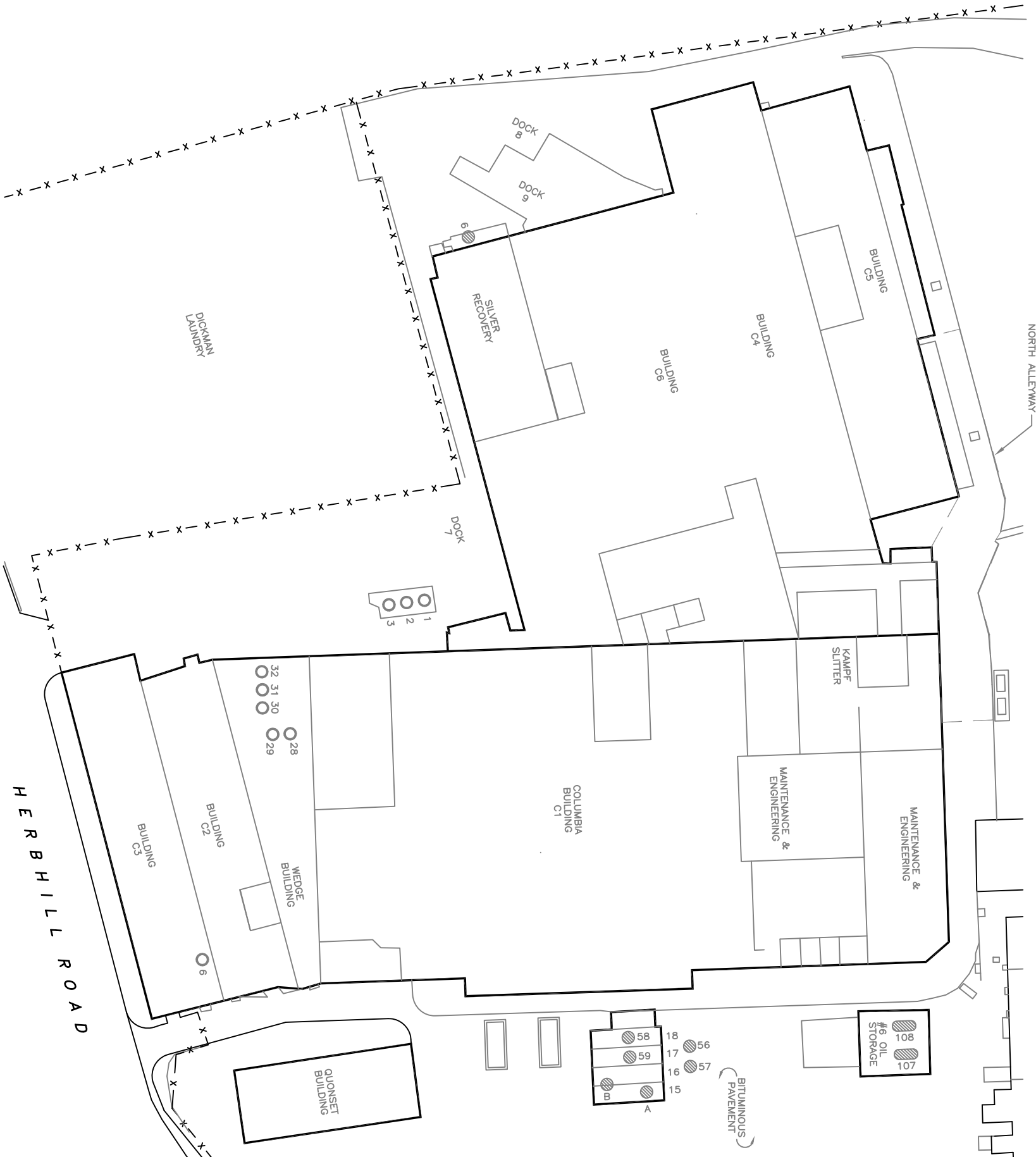
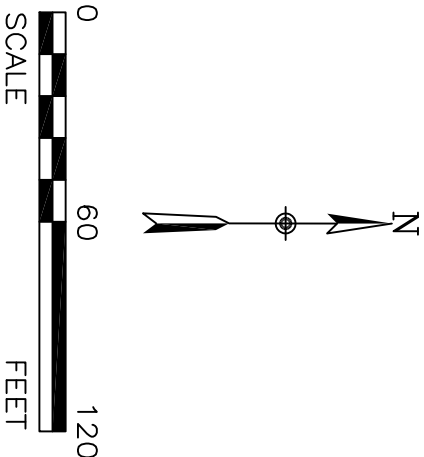


FIGURE 3-5
FORMER MECHANICAL DRYER
AND LOADING DOCK AREAS



- LEGEND**
- ACTIVE AST
 - AST ON SITE
 - ACTIVE UST
 - ABANDONED UST

SOURCE: MAIN BUILDING FIRST FLOOR
113-8-23X
KONICA GRAPHIC IMAGING USA, INC.
DATE: AUGUST 9, 2002
COLUMBIA BUILDING SAMPLE LOCATIONS
FIGURE 3
PREFERRED ENVIRONMENTAL SERVICES
DATE: SEPTEMBER 11, 2011



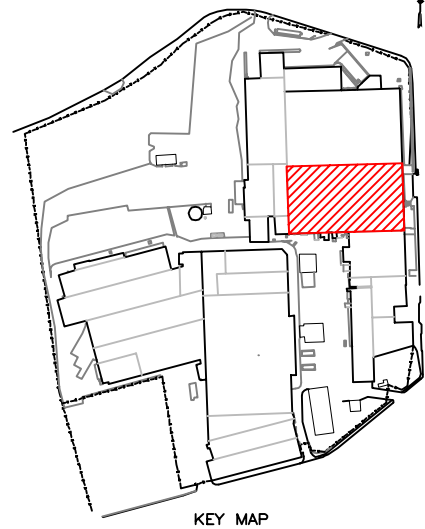


120-D Wilbur Place
Bohemia, N. Y. 11716
Phone: (631) 567-1777

REV. NO.:	DRAWING DATE:	ACAD FILE:
_	7/23/12	85247/FIG1-3

**COLUMBIA BUILDING
SITE MAP**

CLIENT:		KONICA GRAPHIC IMAGING CO.		PM:	DS
LOCATION:		GLEN COVE, NEW YORK		PE/RG:	
DESIGNED:	SEE SOURCE	DETAILED:	TS	PROJECT NO.:	85247
FIGURE:					1-4



KEY MAP

MB-29 (0.5-1.0')	
VOCs	<USCO
MERCURY	0.20

MB-28 (0.5-1.0')	
VOCs	<USCO
METALS	<USCO

MB-10 (0.5-1.0')	
ACETONE	0.11 B
SILVER	4.9
MERCURY	1.5

MB-12 (0.5-1.0')	
VOCs	<USCO
SILVER	50.6
MERCURY	0.43

BLDG-1-ICEHOUSE-2-SB-1	
METALS	<USCO

MB-4 (0.5-1.0')	
VOCs	<USCO
METALS	<USCO

MB-9 (0.5-1.0')	
VOCs	<USCO
SVOCs	<USCO
CADMIUM	2.5
SILVER	25.8

MB-7 (0.5-1.0')	
VOCs	<USCO
CADMIUM	40.2

MB-3 (0.5-1.0')	
VOCs	<USCO
SVOCs	<USCO
CADMIUM	3.0
SILVER	2.4

MB-2 (0.5-1.0')	
VOCs	<USCO
CADMIUM	4.2

MB-6 (0.5-1.0')	
VOCs	<USCO
METALS	<USCO

MB-1 (0.5-1.0')	
VOCs	<USCO
SVOCs	<USCO
METALS	<USCO

MB-5 (0.5-1.0')	
VOCs	<USCO
SVOCs	<USCO
METALS	<USCO

MB-31 (0.5-1.0')	
VOCs	<USCO
CHROMIUM	126
NICKEL	48.4

MB-30 (0.5-1.0')	
VOCs	<USCO
METALS	<USCO

MB-13 (0.5-1.0')	
VOCs	<USCO
SILVER	38.5

MB-14 (0.5-1.0')	
VOCs	<USCO
SILVER	3.5

MB-15 (0.5-1.0')	
VOCs	<USCO
SVOCs	<USCO
ARSENIC	18.9
SILVER	8.7

MB-11 (0.5-1.0')	
VOCs	<USCO
SVOCs	<USCO
METALS	<USCO

MB-16 (0.5-1.0')	
VOCs	<USCO
SILVER	61.4

MB-17 (0.5-1.0')	
VOCs	<USCO
SILVER	16.3
MERCURY	0.20

BLDG-1-ICEHOUSE-4-SB-1 (12"-18")	
SELENIUM	4.48

MB-8 (0.5-1.0')	
VOCs	<USCO
METALS	<USCO

BLDG-1-ICEHOUSE-3-SB-1	
METALS	<USCO

LEGEND

- MB-7 SHALLOW SOIL BORING LOCATION
- MB-9 DEEP SOIL BORING LOCATION
- SB-1 SOIL BORING LOCATION (BY OTHERS)
- RINSEATE SAMPLE LOCATION (BY OTHERS)
- FD FLOOR DRAIN
- SINK SINK
- EWO EYE WASH STATION
- TRENCH DRAIN
- DRAINAGE PIPING

DATA BOX LEGEND

SAMPLE ID	ANALYTICAL RESULT MG/KG
BLDG1-RCRA2-SB-1	
SILVER	3.44
VOCs	<USCO

COMPOUND EXCEEDS SCO's

<USCO - NO ANALYTE WAS DETECTED IN EXCEEDANCE OF ITS NYSDEC UNRESTRICTED SOIL CLEANUP OBJECTIVE (SCO)

VOC - VOLATILE ORGANIC COMPOUND

SVOC - SEMI-VOLATILE ORGANIC COMPOUND

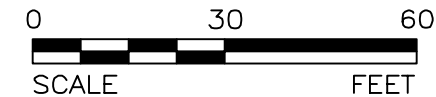
NOTE

* - SAMPLES AREA 4 A AND AREA 4 B WERE ONLY ANALYZED FOR SILVER.

SOURCE: GROUND FLOOR MAIN BUILDING NO. 1
FLR. DRAINS, SINK DRAINS & EQUIP. DRAINS
CHEMCO PHOTOPRODUCTS CO.
DATE: AUGUST 21, 1987

MAIN BUILDING FIRST FLOOR
113-8-23X
KONICA GRAPHIC IMAGING USA, INC.
DATE: AUGUST 9, 2002

ANALYTICAL DATA:
PREFERRED
MAIN BUILDING
DATE: NOVEMBER 2011



120-D Wilbur Place
Bohemia, N. Y. 11716
Phone: (631) 567-1777

REV. NO.: 1	DRAWING DATE: 7/22/15	ACAD FILE: 85247 BSMNT SA

**BASEMENT AREA -
MAIN BUILDING (WEST)
SAMPLE LOCATIONS**

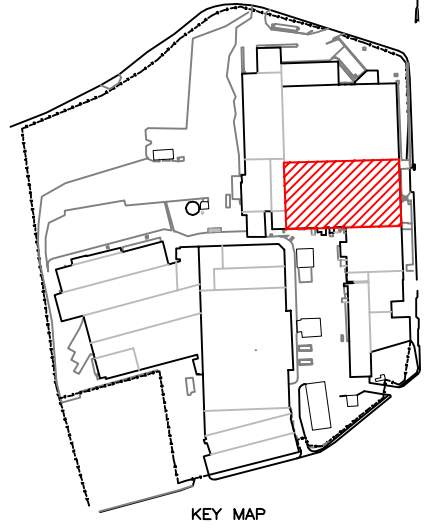
CLIENT: KONICA GRAPHIC IMAGING CO.	PM: DS

LOCATION: GLEN COVE NEW YORK	PE/RG:

DESIGNED: SEE SOURCE	DETAILED: TS	PROJECT NO.: 85247	FIGURE: 4-1

X-REF:

P:\ACTIVE PROJECTS\...EQ NORTHEAST\85247.003 - KONICA RCRA CLOSURE PLAN/DRAWINGS & CAD REPORT:



KEY MAP

SAMPLE AREA 4A (0.5-1.0')		SAMPLE AREA 4A (1.5-2.0')		SAMPLE AREA 4A (2.5-3.0')	
CHROMIUM	36.3	METALS	<USCO	METALS	<USCO

AREA #4 A *	
SILVER	8.0

BLDG-1-RCRA-4-SB-4 (6"-12")		BLDG-1-RCRA-4-SB-4 (0.5-1.0')		BLDG-1-RCRA-4-SB-4 (1.0-1.5')	
CADMIUM	10.3	CHROMIUM	31.1	CHROMIUM	51.1
SILVER	39.7	SILVER	3.5		
COPPER	397				
NICKEL	120				

MB-22 (0.5-1.0')	
ACETONE	0.15
CADMIUM	21.9
SILVER	15.0

AREA #4 B *	
SILVER	61.4

MB-25 (0.5-1.0')	
VOCs	<USCO
METALS	<USCO

BLDG-1-RCRA-4-SB-3 (6"-12")	
CADMIUM	5.64
SILVER	9.95

BLDG-1-RCRA-4-SB-2 (4"-10")	
CADMIUM	6.98
SILVER	5.40

BLDG-1-RCRA-4-SB-1	
METALS	<USCO

MB-27 (0.5-1.0')	
VOCs	<USCO
LEAD	106
SILVER	17.5
MERCURY	0.56

MB-21 (0.5-1.0')	
ACETONE	0.27 B
LEAD	142

MB-19 (0.5-1.0')	
VOCs	<USCO
SVOCs	<USCO
SILVER	2.7

MB-24 (0.5-1.0')	
VOCs	<USCO
LEAD	74.7

MB-18 (0.5-1.0')		MB-18 (1.5-2.0')		MB-18 (2.5-3.0')	
VOCs	<USCO	ACETONE	0.054	VOCs	<USCO
METALS	<USCO	METALS	<USCO	METALS	<USCO

MB-20 (0.5-1.0')	
VOCs	<USCO
METALS	<USCO

MB-26 (0.5-1.0')		MB-26 (5.0-5.5')		MB-26 (7.0-7.5')	
VOCs	<USCO	VOCs	<USCO	VOCs	<USCO
METALS	<USCO	CHROMIUM	83.6	SILVER	4.0
		MANGANESE	2,100		
		NICKEL	32.8		
		SILVER	6.7		

MB-23 (0.5-1.0')		MB-23 (5.0-5.5')		MB-23 (7.0-7.5')	
VOCs	<USCO	VOCs	<USCO	VOCs	<USCO
SVOCs	<USCO	SVOCs	<USCO	SVOCs	<USCO
METALS	<USCO	METALS	<USCO	METALS	<USCO



LEGEND

- MB-7 SHALLOW SOIL BORING LOCATION
- MB-9 DEEP SOIL BORING LOCATION
- SB-1 SOIL BORING LOCATION (BY OTHERS)
- RINSEATE SAMPLE LOCATION (BY OTHERS)
- FD FLOOR DRAIN
- SINK SINK
- EW EYE WASH STATION
- TRENCH DRAIN
- DRAINAGE PIPING

DATA BOX LEGEND

SAMPLE ID	ANALYTICAL RESULT MG/KG
BLDG1-RCRA2-SB-1	
SILVER	3.44
VOCs	<USCO

COMPOUND EXCEEDS SCO's

<USCO - NO ANALYTE WAS DETECTED IN EXCEEDANCE OF ITS NYSDEC UNRESTRICTED SOIL CLEANUP OBJECTIVE (SCO)

VOC - VOLATILE ORGANIC COMPOUND

SVOC - SEMI-VOLATILE ORGANIC COMPOUND

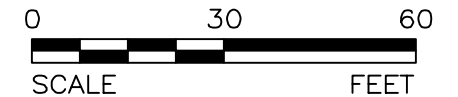
NOTE

* - SAMPLES AREA 4 A AND AREA 4 B WERE ONLY ANALYZED FOR SILVER.

SOURCE: GROUND FLOOR MAIN BUILDING NO. 1
FLR. DRAINS, SINK DRAINS & EQUIP. DRAINS
CHEMCO PHOTOPRODUCTS CO.
DATE: AUGUST 21, 1987

MAIN BUILDING FIRST FLOOR
113-8-23X
KONICA GRAPHIC IMAGING USA, INC.
DATE: AUGUST 9, 2002

ANALYTICAL DATA:
PREFERRED
MAIN BUILDING
DATE: NOVEMBER 2011



120-D Wilbur Place
Bohemia, N. Y. 11716
Phone: (631) 567-1777

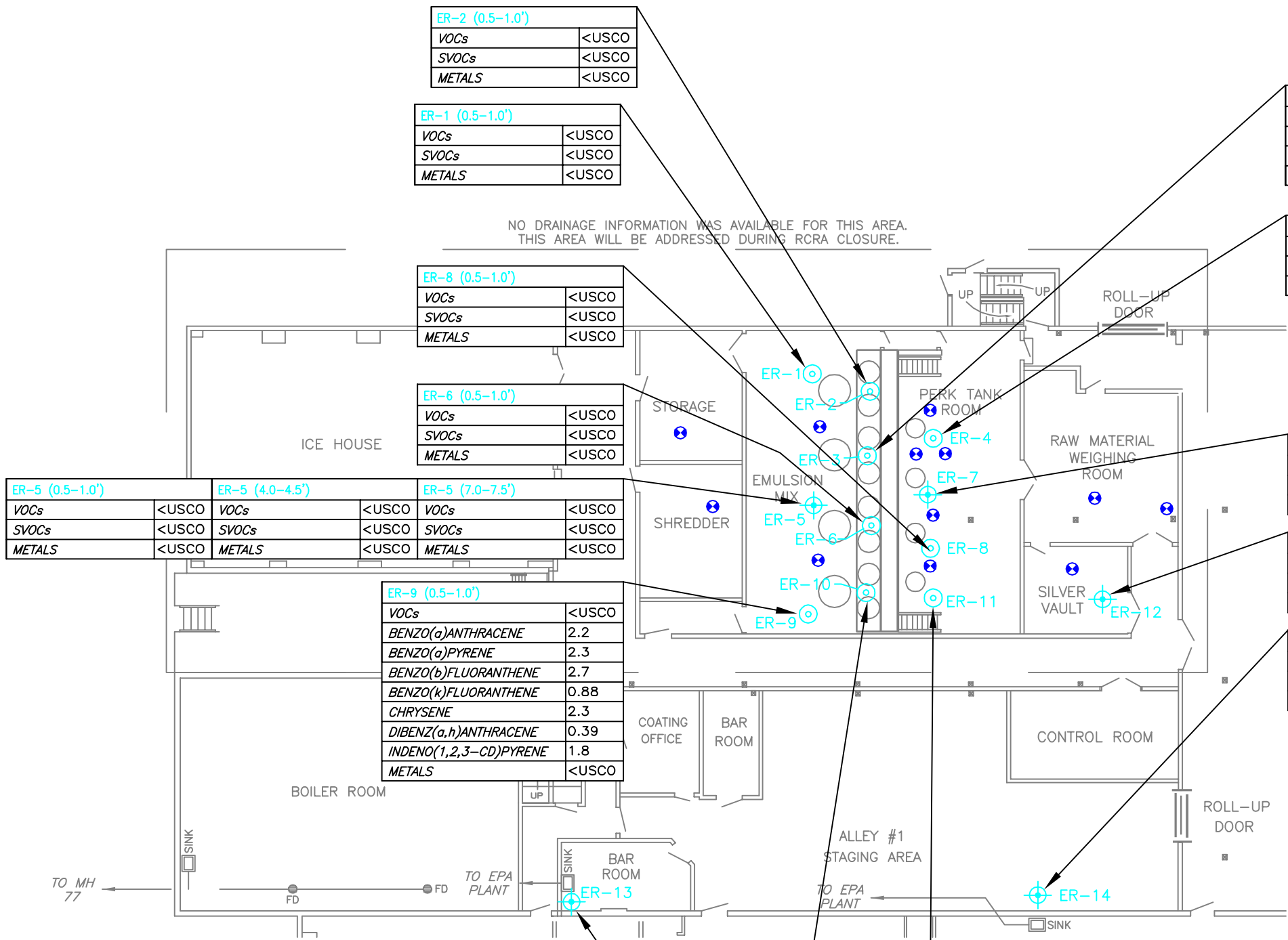
REV. NO.: 1	DRAWING DATE: 7/22/15	ACAD FILE: 85247 BSMNT SA

**BASEMENT AREA -
MAIN BUILDING (EAST)
SAMPLE LOCATIONS**

CLIENT: KONICA GRAPHIC IMAGING CO.		PM: DS
LOCATION: GLEN COVE NEW YORK		PE/RG:
DESIGNED: SEE SOURCE	DETAILED: TS	PROJECT NO.: 85247
		FIGURE: 4-2

X-REF:

DRAWING FILE LOCATION: P:\ACTIVE PROJECTS\.../EQ NORTHEAST/B5247.003 - KONICA RCRA CLOSURE PLAN/DRAWINGS & CAD REPORT:



NO DRAINAGE INFORMATION WAS AVAILABLE FOR THIS AREA.
THIS AREA WILL BE ADDRESSED DURING RCRA CLOSURE.

ER-2 (0.5-1.0')	
VOCs	<USCO
SVOCs	<USCO
METALS	<USCO

ER-1 (0.5-1.0')	
VOCs	<USCO
SVOCs	<USCO
METALS	<USCO

ER-3 (0.5-1.0')	
VOCs	<USCO
SVOCs	<USCO
SILVER	3.6
ZINC	139

ER-4 (0.5-1.0')	
VOCs	<USCO
SVOCs	<USCO
METALS	<USCO

ER-8 (0.5-1.0')	
VOCs	<USCO
SVOCs	<USCO
METALS	<USCO

ER-6 (0.5-1.0')	
VOCs	<USCO
SVOCs	<USCO
METALS	<USCO

ER-5 (0.5-1.0')		ER-5 (4.0-4.5')		ER-5 (7.0-7.5')	
VOCs	<USCO	VOCs	<USCO	VOCs	<USCO
SVOCs	<USCO	SVOCs	<USCO	SVOCs	<USCO
METALS	<USCO	METALS	<USCO	METALS	<USCO

ER-9 (0.5-1.0')	
VOCs	<USCO
BENZO(a)ANTHRACENE	2.2
BENZO(a)PYRENE	2.3
BENZO(b)FLUORANTHENE	2.7
BENZO(k)FLUORANTHENE	0.88
CHRYSENE	2.3
DIBENZ(a,h)ANTHRACENE	0.39
INDENO(1,2,3-CD)PYRENE	1.8
METALS	<USCO

ER-7 (0.5-1.0')		ER-7 (4.0-4.5')		ER-7 (6.5-7.0')	
VOCs	<USCO	VOCs	<USCO	VOCs	<USCO
SVOCs	<USCO	SVOCs	<USCO	SVOCs	<USCO
METALS	<USCO	METALS	<USCO	LEAD	148

ER-12 (0.5-1.0')		ER-12 (3.0-3.5')		ER-12 (6.5-7.0')	
VOCs	<USCO	VOCs	<USCO	VOCs	<USCO
SVOCs	<USCO	SVOCs	<USCO	SVOCs	<USCO
METALS	<USCO	METALS	<USCO	METALS	<USCO

ER-14 (0.5-1.0')		ER-14 (4.0-4.5')		ER-14 (6.5-7.0')	
VOCs	<USCO	VOCs	<USCO	VOCs	<USCO
SVOCs	<USCO	SVOCs	<USCO	SVOCs	<USCO
METALS	<USCO	METALS	<USCO	METALS	<USCO

ER-11 (0.5-1.0')	
VOCs	<USCO
SVOCs	<USCO
METALS	<USCO

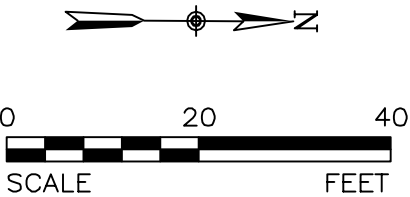
ER-10 (0.5-1.0')	
VOCs	<USCO
SVOCs	<USCO
METALS	<USCO

ER-13 (0.5-1.0')		ER-13 (2.0-2.5')		ER-13 (6.0-6.5')	
VOCs	<USCO	VOCs	<USCO	VOCs	<USCO
SVOCs	<USCO	SVOCs	<USCO	BENZO(a)ANTHRACENE	5.8
METALS	<USCO	METALS	<USCO	BENZO(a)PYRENE	5.6
				BENZO(b)FLUORANTHENE	6.2
				BENZO(k)FLUORANTHENE	2.9
				CHRYSENE	6.7
				INDENO(1,2,3-CD)PYRENE	3.6
				METALS	<USCO

LEGEND

- ER-1 SHALLOW SOIL BORING LOCATION
- ER-5 DEEP SOIL BORING LOCATION
- FORMER RINSE SAMPLE LOCATION (COLLECTED AND ANALYZED BY OTHERS AS PART OF CLOSURE)
- FD FLOOR DRAIN
- SINK SINK
- DRAIN PIPING

SOURCE: MAIN BUILDING FIRST FLOOR
113-8-23X
KONICA GRAPHIC IMAGING USA, INC.
DATE: AUGUST 9, 2002



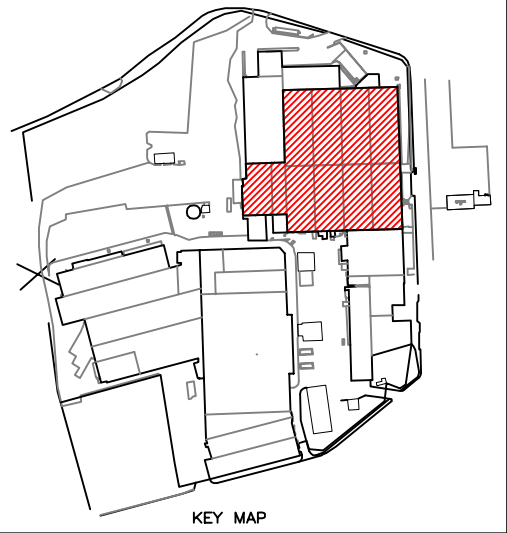
APEX 120-D Wilbur Place
Bohemia, N. Y. 11716
Phone: (631) 567-1777

REV. NO.: 1	DRAWING DATE: 2/19/15	ACAD FILE: 85247FIG5-2B-2
FORMER EMULSION AND SILVER HANDLING AREAS SAMPLE LOCATIONS		
CLIENT: KONICA GRAPHIC IMAGING CO.		PM: DS
LOCATION: GLEN COVE, NEW YORK		PE/RG:
DESIGNED: SEE SOURCE	DETAILED: TS	PROJECT NO.: 85247
		FIGURE: 4-3

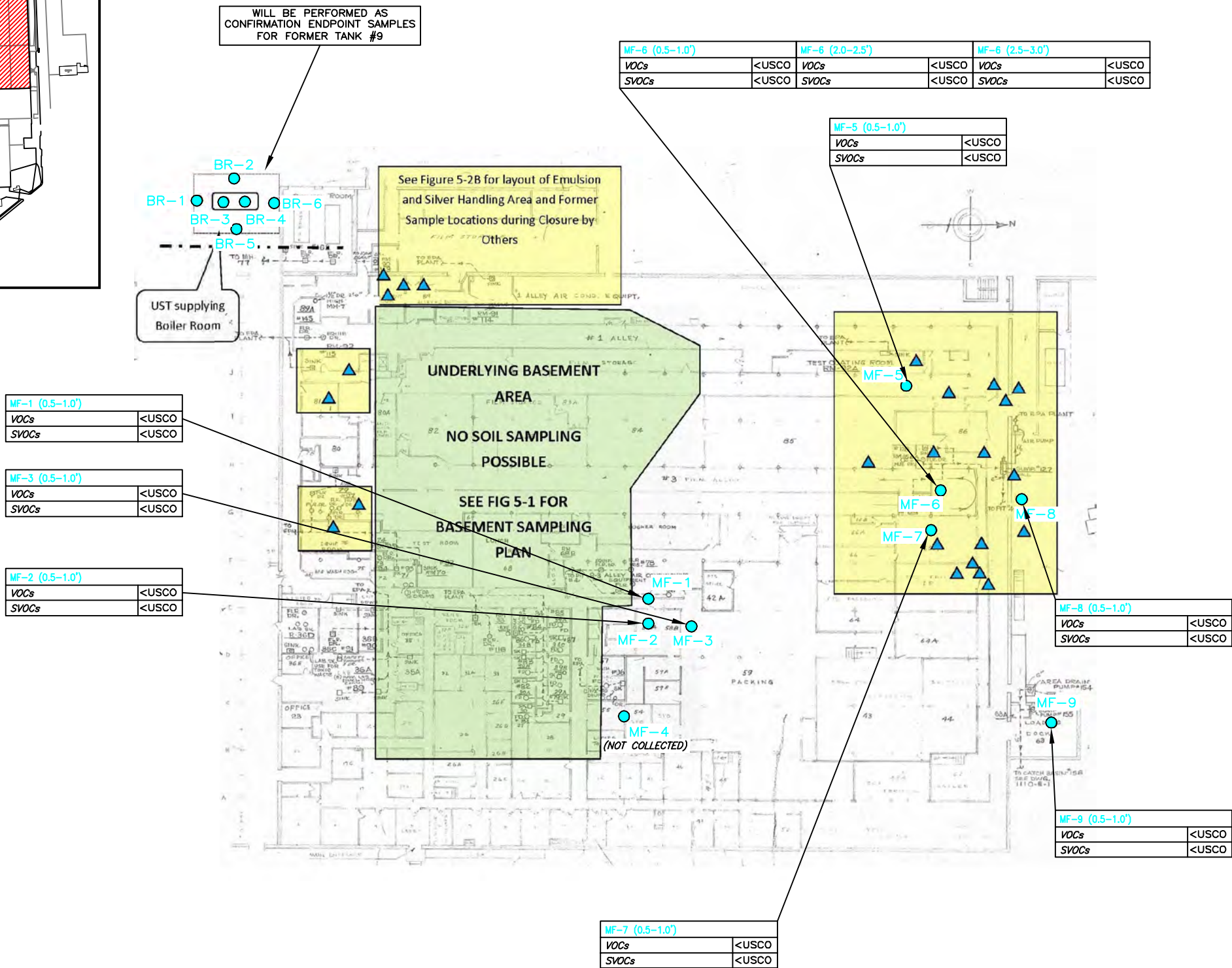
X-REF:

REPORT:

DRAWING FILE LOCATION: P:\ACTIVE PROJECTS\...EQ NORTHEAST\85247.003 - KONICA RCRA CLOSURE PLAN/DRAWINGS & CAD



KEY MAP



LEGEND

- MF-1 SOIL SAMPLE LOCATION EXCEPT
BOILER ROOM SAMPLES
(BELOW USTs AFTER REMOVAL)
- FORMER SOIL OR FINAL RINSE
SAMPLE COLLECTED AND
ANALYZED BY OTHERS
PREVIOUSLY DURING CLOSURE

DATA BOX LEGEND

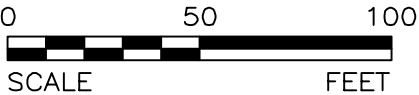
SAMPLE ID	ANALYTICAL RESULT MG/KG
MF-1 (0.5-1.0')	
SVOCs	<USCO
VOCs	<USCO

COMPOUND EXCEEDS SCOs

<USCO - NO ANALYTE WAS DETECTED IN EXCEEDANCE OF
ITS NYSDEC UNRESTRICTED SOIL CLEANUP OBJECTIVE (SCO)

VOC - VOLATILE ORGANIC COMPOUND
SVOC - SEMI-VOLATILE ORGANIC COMPOUND

SOURCE: MAIN BUILDING FIRST FLOOR
113-8-23X
KONICA GRAPHIC IMAGING USA, INC.
DATE: AUGUST 9, 2002
GOOGLE EARTH



120-D Wilbur Place
Bohemia, N. Y. 11716
Phone: (631) 567-1777

REV. NO.: 1	DRAWING DATE: 2/19/15	ACAD FILE: 85247 FIG5-2A

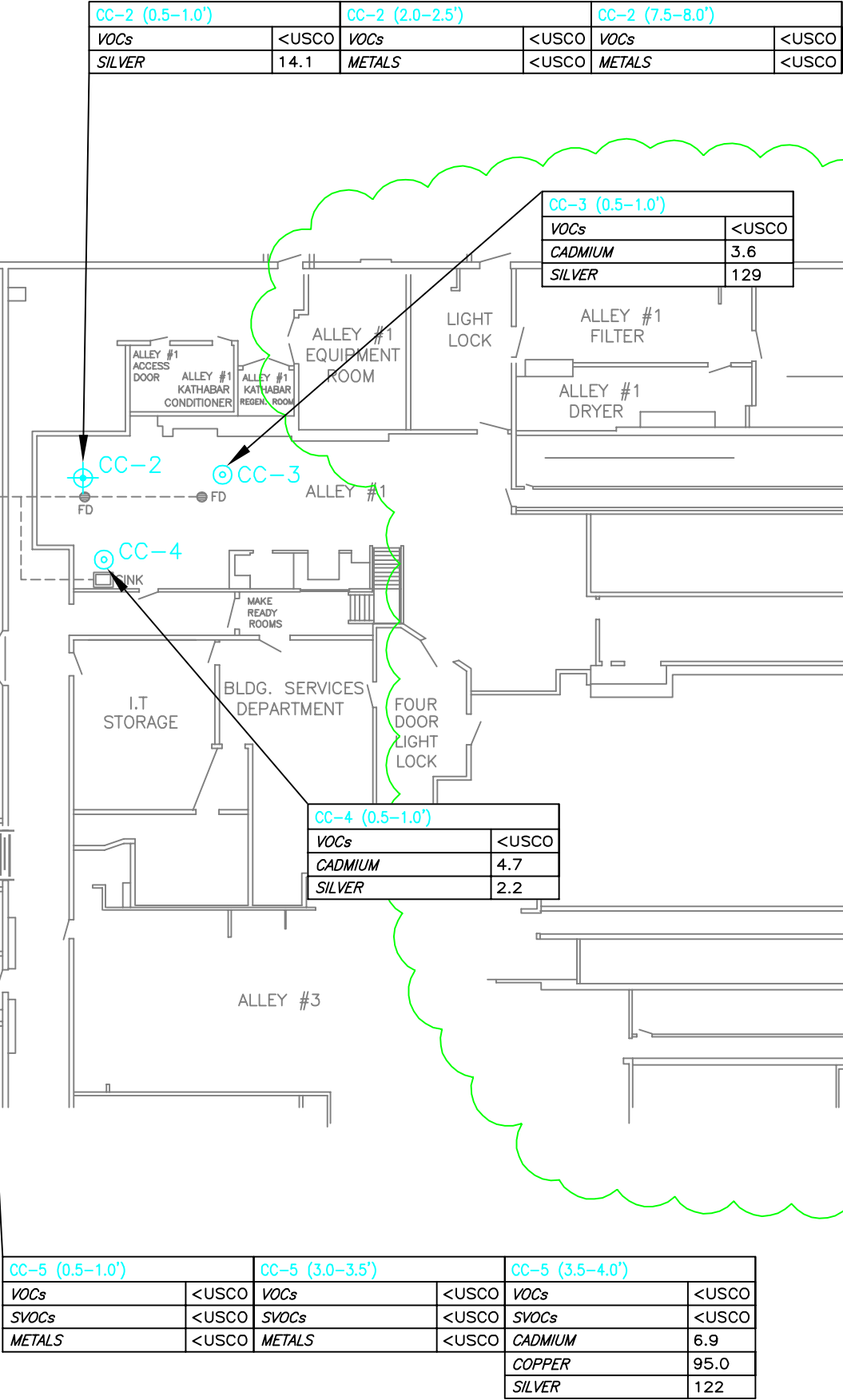
MAIN BUILDING 1st FLOOR
SAMPLE LOCATIONS

CLIENT: KONICA GRAPHIC IMAGING CO.	PM: DS		
LOCATION: 71 CHARLES STREET GLEN COVE, NEW YORK	PE/RG:		
DESIGNED: SEE SOURCE	DETAILED: TS	PROJECT NO.: 85247	FIGURE: 4-4

X-REF:

REPORT:

DRAWING FILE LOCATION: P:\ACTIVE PROJECTS\...EQ NORTHEAST\B5247.003 - KONICA RORA CLOSURE PLAN/DRAWINGS & CAD

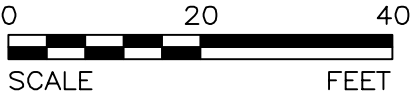


FIRST FLOOR OVERLIES BASEMENT SO NO SOIL SAMPLING IS POSSIBLE. SEE BASEMENT SAMPLING PLAN (FIG. 4-1 AND 4-2) FOR SAMPLE LOCATIONS UNDERLYING THIS AREA.

LEGEND

- CC-3 (0.5-1.0') SHALLOW SOIL BORING LOCATION
- CC-5 (3.0-3.5') DEEP SOIL BORING LOCATION
- FD FLOOR DRAIN
- SINK SINK
- DRAIN PIPING

SOURCE: MAIN BUILDING FIRST FLOOR
113-8-23X
KONICA GRAPHIC IMAGING USA, INC.
DATE: AUGUST 9, 2002



120-D Wilbur Place
Bohemia, N. Y. 11716
Phone: (631) 567-1777

REV. NO.: 1	DRAWING DATE: 3/21/15	ACAD FILE: 85247FIG5-3

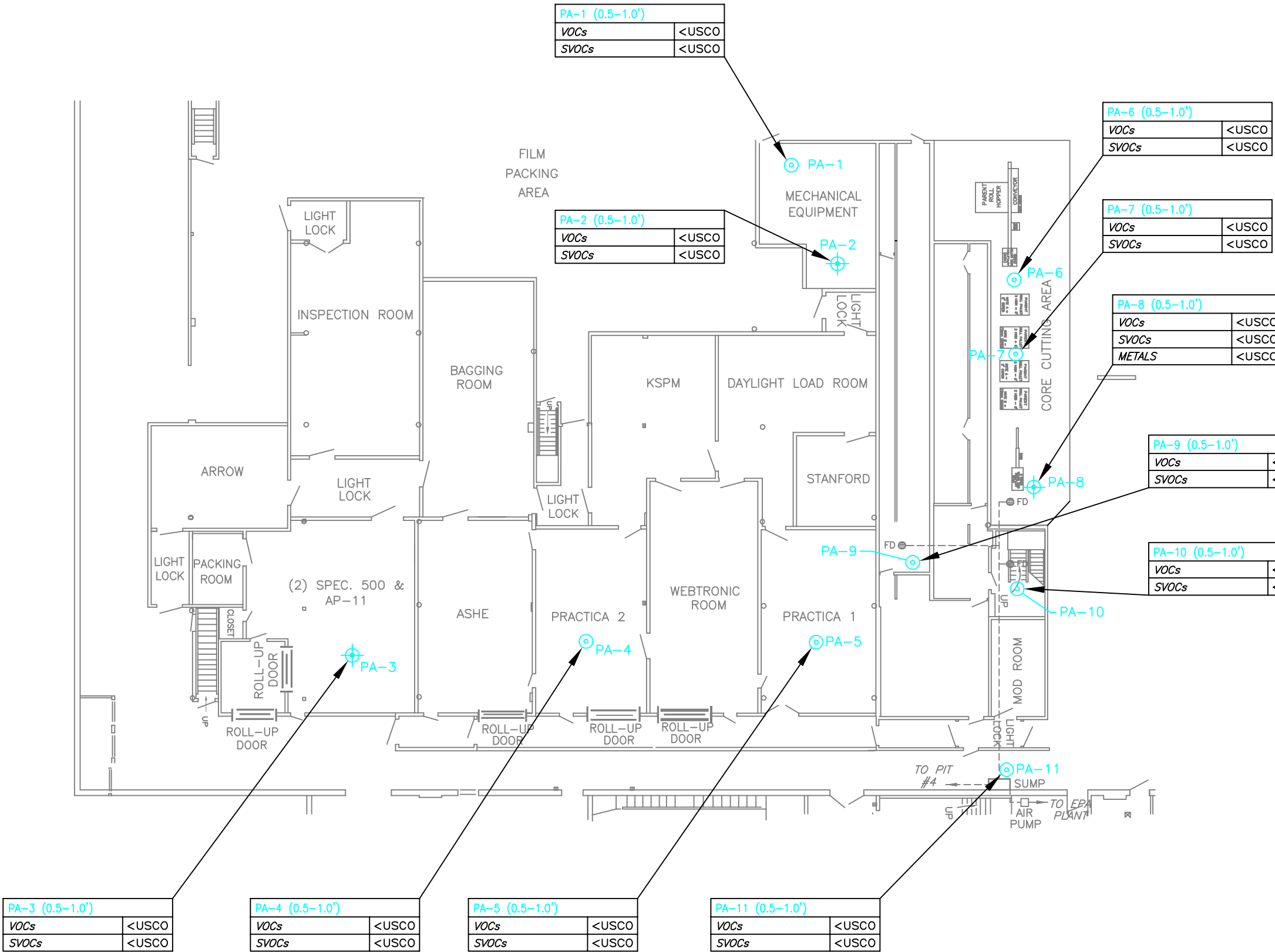
FORMER STORAGE AND
CENTRAL CORRIDOR
SAMPLE LOCATIONS

CLIENT: KONICA GRAPHIC IMAGING CO.			PM: DS
LOCATION: GLEN COVE, NEW YORK			PE/RG:
DESIGNED: SEE SOURCE	DETAILED: TS	PROJECT NO.: 85247	FIGURE: 4-

X-REF:

REPORT:

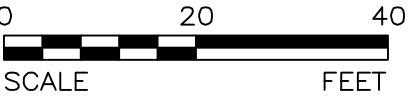
DRAWING FILE LOCATION: P:\ACTIVE PROJECTS\EQ NORTHEAST\85247.003 - KONICA RCRA CLOSURE PLAN/DRAWINGS & CAD



LEGEND

- PA-1 SHALLOW SOIL BORING LOCATION
- PA-2 DEEP SOIL BORING LOCATION
- FD FLOOR DRAIN
- SINK SINK
- DRAIN PIPING

SOURCE: MAIN BUILDING FIRST FLOOR
113-8-23X
KONICA GRAPHIC IMAGING USA, INC.
DATE: AUGUST 9, 2002



120-D Wilbur Place
Bohemia, N. Y. 11716
Phone: (631) 567-1777

REV. NO.: 1
DRAWING DATE: 2/19/15
ACAD FILE: 85247 FIG5-4

**FORMER INSPECTION AND PRACTICA AREAS
SAMPLE LOCATIONS**

CLIENT: KONICA GRAPHIC IMAGING CO. PM: DS

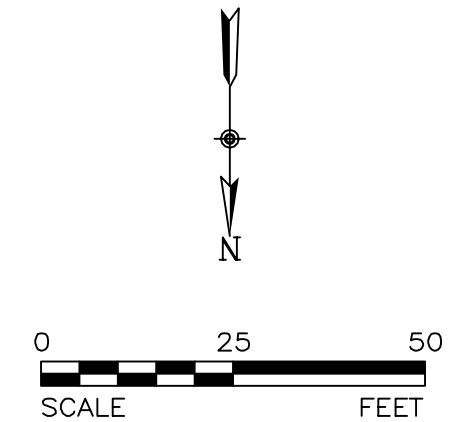
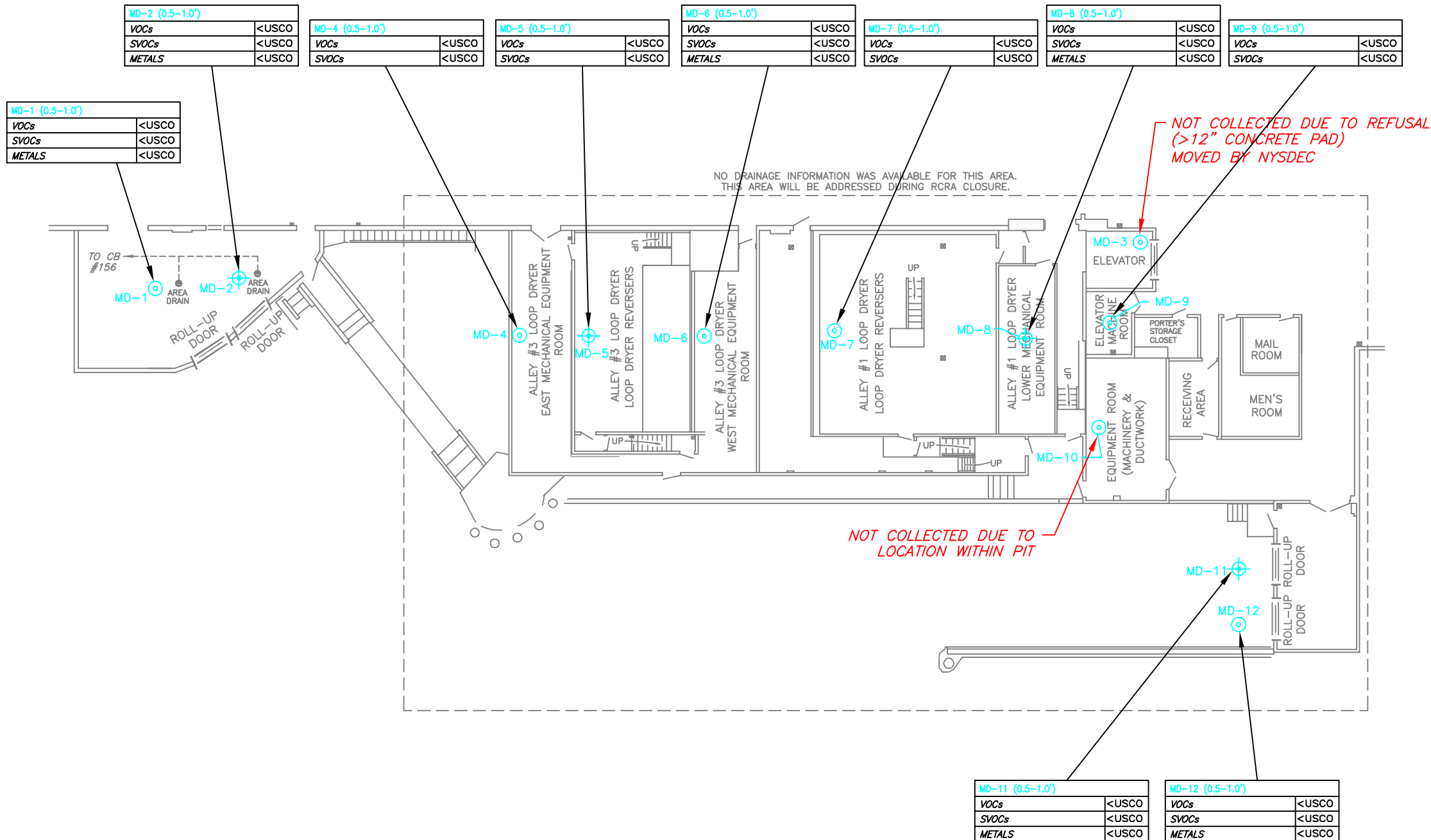
LOCATION: GLEN COVE, NEW YORK PE/RG:

DESIGNED: SEE SOURCE DETAILED: TS PROJECT NO.: 85247 FIGURE: **4-6**

X-REF:

REPORT:

DRAWING FILE LOCATION: P:\ACTIVE PROJECTS\...EQ NORTHEAST\B5247.003 - KONICA RCRA CLOSURE PLAN/DRAWINGS & CAD

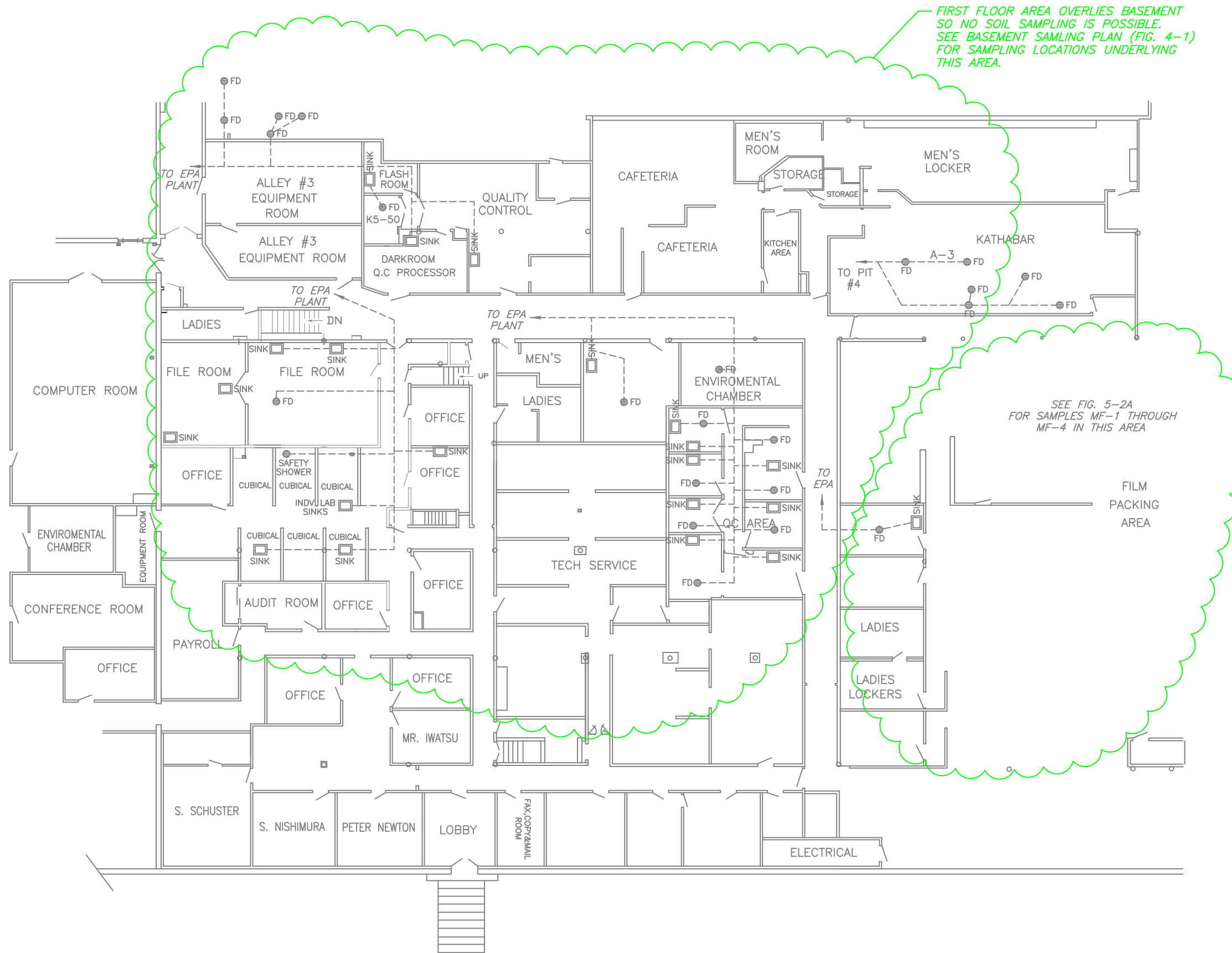


APEX 120-D Wilbur Place
Bohemia, N. Y. 11716
Phone: (631) 567-1777

REV. NO.: 2	DRAWING DATE: 2/19/15	ACAD FILE: 85247FIG5-5
FORMER MECHANICAL DRYER AND LOADING DOCK AREAS SAMPLE LOCATIONS		
CLIENT: KONICA GRAPHIC IMAGING CO.		PM: DS
LOCATION: GLEN COVE, NEW YORK		PE/RG:
DESIGNED: SEE SOURCE	DETAILED: TS	PROJECT NO.: 85247
		FIGURE: 4-7

X-REF:

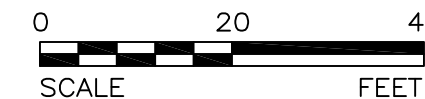
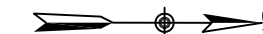
DRAWING FILE LOCATION: P:\ACTIVE PROJECTS\...EQ NORTHEAST\85247.003 - KONICA RCRA CLOSURE PLAN/DRAWINGS & CAD



LEGEND

- FD FLOOR DRAIN
- SINK SINK
- DRAIN PIPING

SOURCE: MAIN BUILDING FIRST FLOOR
113-8-23X
KONICA GRAPHIC IMAGING USA, INC.
DATE: AUGUST 9, 2002



120-D Wilbur Place
Bohemia, N. Y. 11716
Phone: (631) 567-1777

REV. NO.: -	DRAWING DATE: 3/23/15	ACAD FILE: 85247FIG5-6

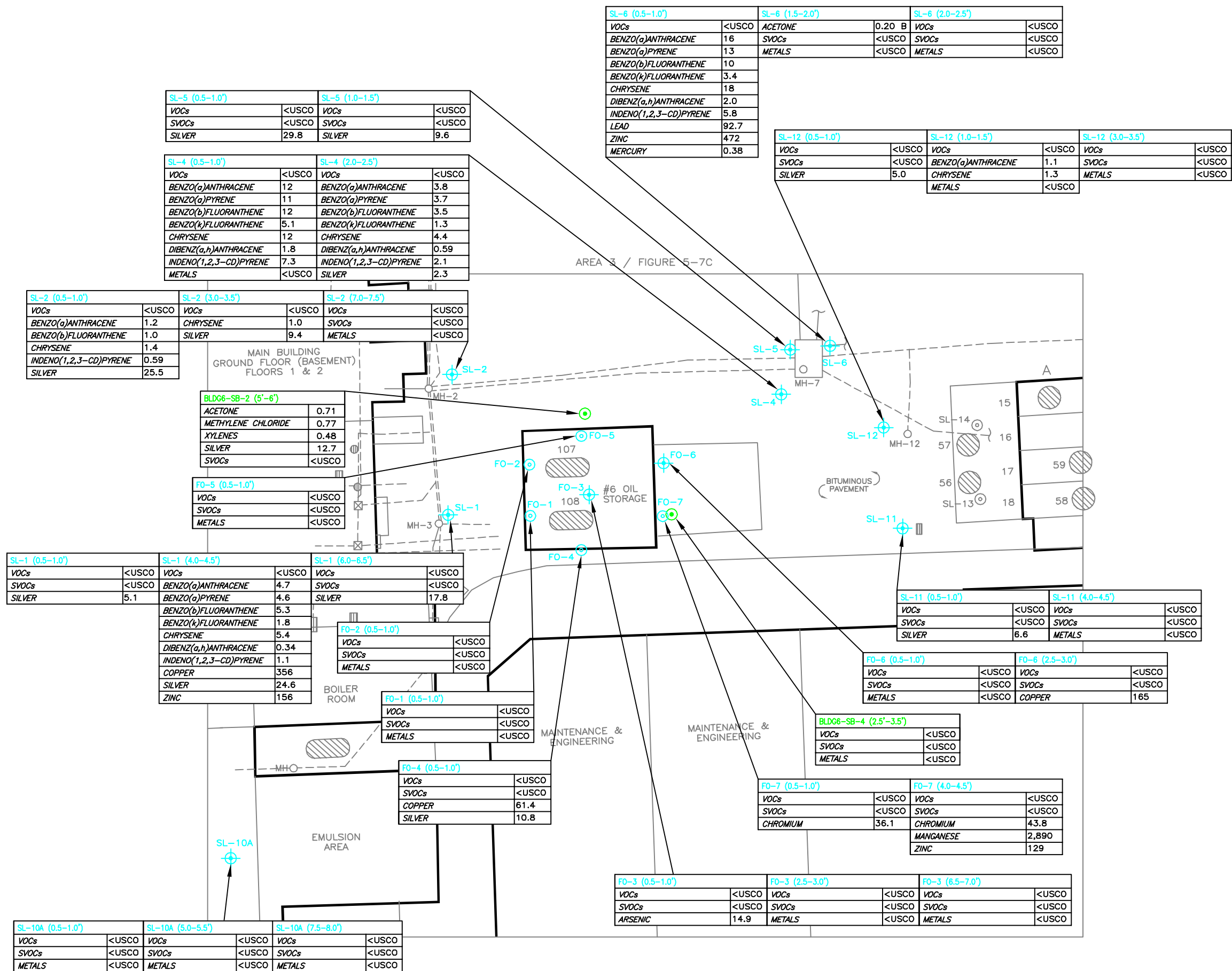
**FORMER OFFICES, DARKROOM
AND CAFETERIA AREA
SAMPLE LOCATIONS**

CLIENT: KONICA GRAPHIC IMAGING CO.	PM: DS		
LOCATION: GLEN COVE, NEW YORK	PE/RG:		
DESIGNED: SEE SOURCE	DETAILED: TS	PROJECT NO.: 85247	FIGURE: 4-8

X-REF:

REPORT:

DRAWING FILE LOCATION: P:\ACTIVE PROJECTS\...EQ NORTHEAST\B5247.003-KONICA RORA CLOSURE PLAN\DRAWINGS & CAD



120-D Wilbur Place
Bohemia, N.Y. 11716
Phone: (631) 567-1777

REV. NO.: 2
DRAWING DATE: 2/20/15
ACAD FILE: 85247 DUSL AREA 3

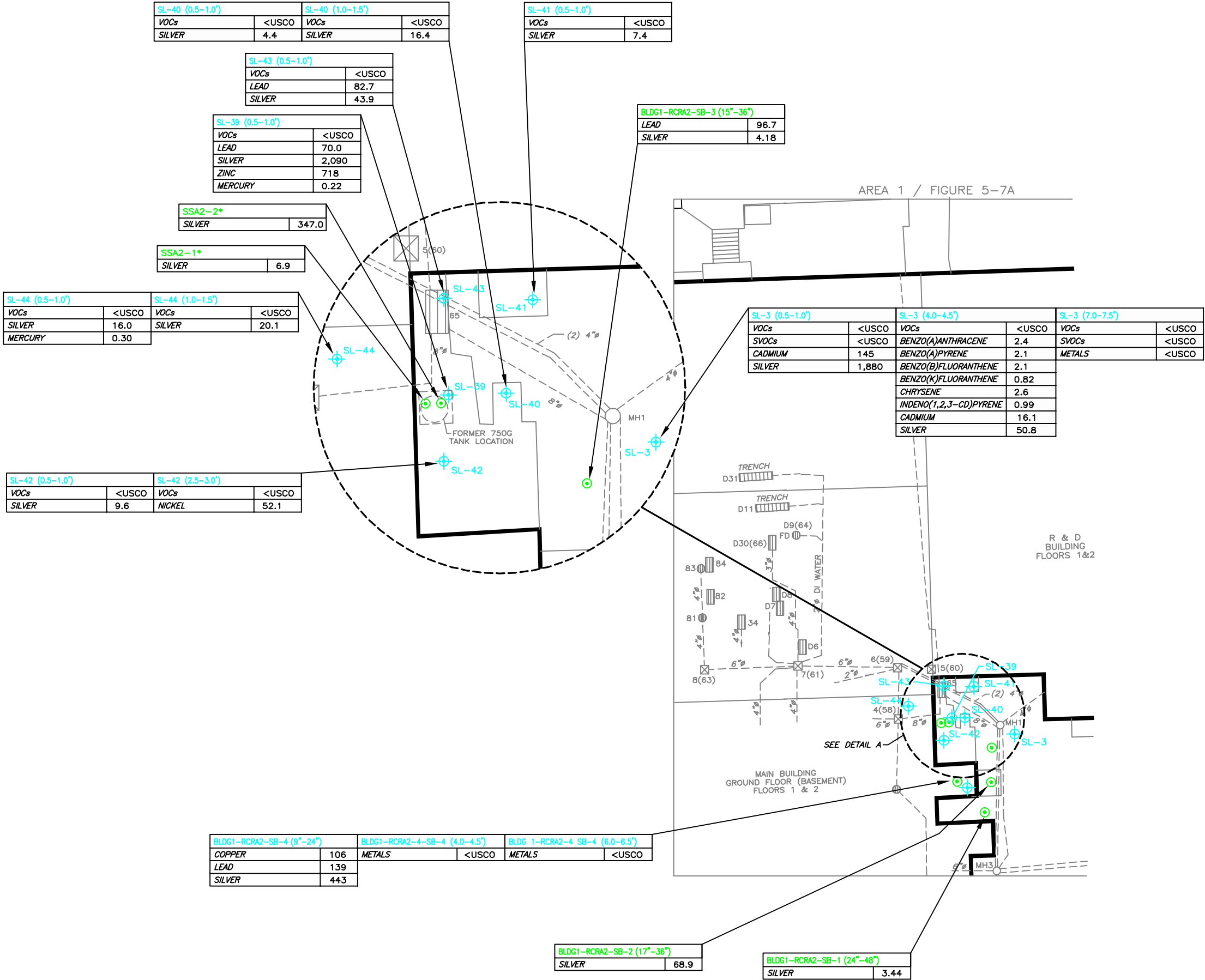
AREA 3 SOUTH LOT SAMPLE LOCATIONS

CLIENT: KONICA IMAGING USA INC. PM: DS

LOCATION: GLEN COVE
NEW YORK PE/RG:

DESIGNED: SEE SOURCE
DETAILED: TS
PROJECT NO.: 85247
FIGURE: 4-9

DRAWING FILE LOCATION: P:\ACTIVE PROJECTS.../EQ NORTHEAST/B5247.003-KONICA RORA CLOSURE PLAN/DRAWINGS & CAD REPORT: 4



AREA 1 SOUTH LOT (NORTH) SAMPLE LOCATIONS

CLIENT: KONICA IMAGING USA INC. PM: DS

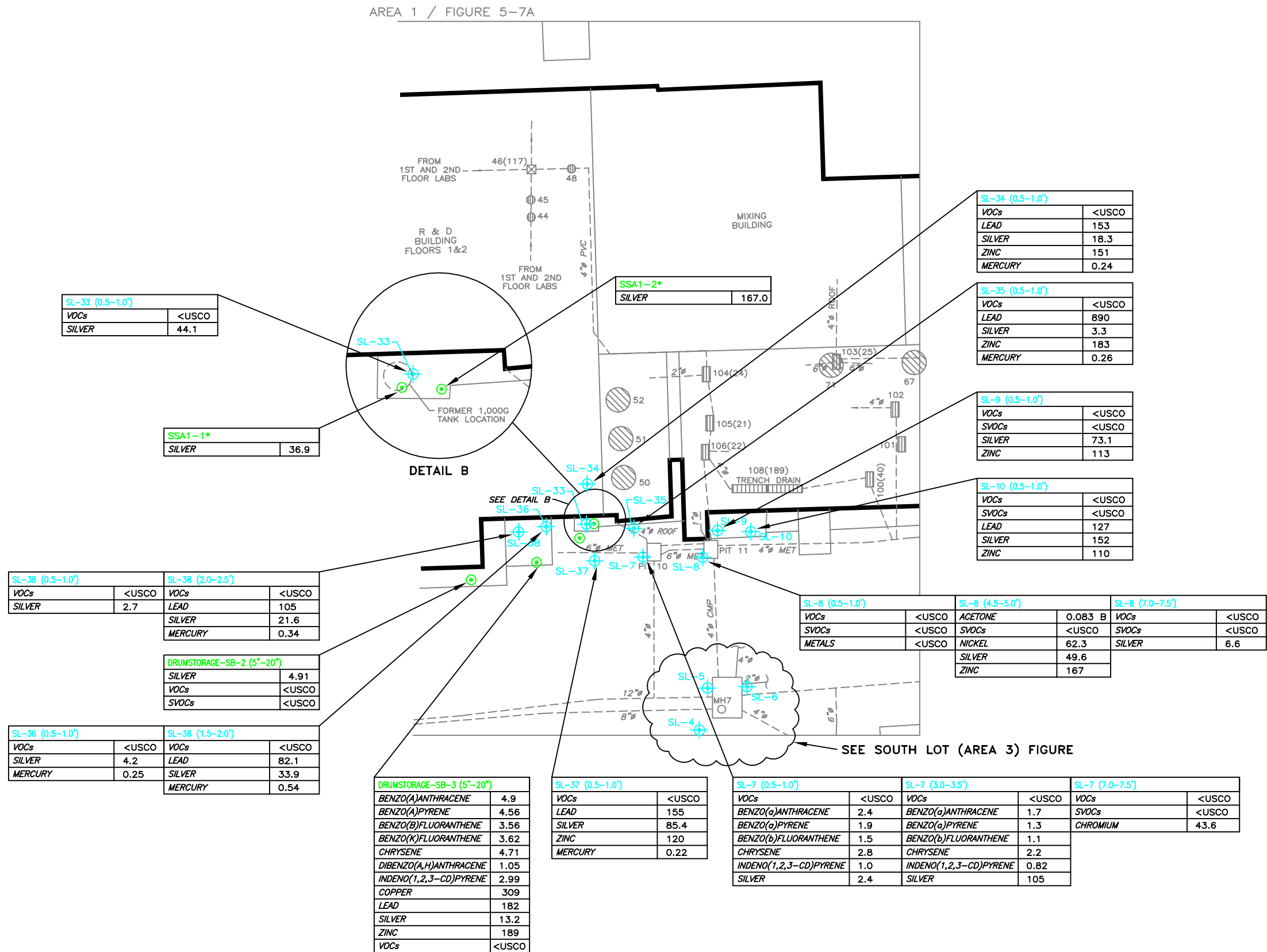
LOCATION: GLEN COVE NEW YORK PE/RG:

DESIGNED: SEE SOURCE DETAILED: TS PROJECT NO.: 85247 FIGURE: 4-10

120-D Wilbur Place
Bohemia, N.Y. 11716
Phone: (631) 567-1777

REV. NO.: 1 DRAWING DATE: 10/03/13 ACAD FILE: 85247 DUSL AREA 1

DRAWING FILE LOCATION: P:\ACTIVE PROJECTS\EQ NORTHEAST\85247.003-KONICA RORA CLOSURE PLAN\DRAWINGS & CAD REPORT:



LEGEND

- SL-8 DEEP SOIL BORING LOCATION
- SOIL BORING LOCATION COMPLETED BY OTHERS
- CB CATCH BASIN
- FLOOR DRAINS
- MHO MANHOLE
- DISTRIBUTION BOX
- DRAINAGE PIPING
- - - ABANDONED PIPE

DATA BOX LEGEND

SAMPLE ID	ANALYTICAL RESULT MG/KG
SSA1-1*	
SILVER	36.9

COMPOUND EXCEEDS UNRESTRICTED SCOs

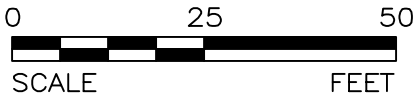
<USCO - NO ANALYTE WAS DETECTED IN EXCEEDANCE OF ITS NYSDEC UNRESTRICTED SOIL CLEANUP OBJECTIVE (SCO)

VOC - VOLATILE ORGANIC COMPOUND

SVOC - SEMI-VOLATILE ORGANIC COMPOUND

* - ANALYZED FOR SILVER ONLY

SOURCE: DRAINAGE UTILITIES IN SOUTH LOT
KONICA - MINOLTA
GLEN COVE, NY
SIDNEY B. BOWNES & SONS, LLP
DATE: JUNE 2006



120-D Wilbur Place
Bohemia, N.Y. 11716
Phone: (631) 567-1777

REV. NO.: 1	DRAWING DATE: 09/16/13	ACAD FILE: 85247 DUSL AREA 1

AREA 1 SOUTH LOT (SOUTH) SAMPLE LOCATIONS

CLIENT: KONICA IMAGING USA INC.	PM: DS
LOCATION: GLEN COVE NEW YORK	PE/RG:
DESIGNED: SEE SOURCE	DETAILED: TS
PROJECT NO.: 85247	FIGURE: 4-11

X-REF:

REPORT:

DRAWING FILE LOCATION: P:\ACTIVE PROJECTS\...EQ NORTHEAST\85247.003-KONICA RORA CLOSURE PLAN\DRAWINGS & CAD

SL-20 (0.5-1.0')		SL-20 (2.0-2.5')		SL-20 (3.0-3.5')	
VOCs	<USCO	VOCs	<USCO	VOCs	<USCO
BENZO(a)ANTHRACENE	1.3	SVOCs	<USCO	SVOCs	<USCO
BENZO(a)PYRENE	1.2	CHROMIUM	36.3	SILVER	2.5
BENZO(b)FLUORANTHENE	1.7	SILVER	26.0	MERCURY	0.39
CHRYSENE	1.5	MERCURY	0.41		
INDENO(1,2,3-CD)PYRENE	0.86				
METALS	<USCO				

AREA 2 / FIGURE 5-7B

SL-21 (0.5-1.0')		SL-21 (2.5-3.0')		SL-21 (4.0-4.5')	
ACETONE	0.38	VOCs	<USCO	VOCs	<USCO
SVOCs	<USCO	SVOCs	<USCO	SVOCs	<USCO
METALS	<USCO	CHROMIUM	34.4	SILVER	9.2
		SILVER	8.3		

SL-23 (0.5-1.0')		SL-23 (4.0-4.5')		SL-23 (6.5-7.0')	
VOCs	<USCO	VOCs	<USCO	VOCs	<USCO
BENZO(b)FLUORANTHENE	1.1	SVOCs	<USCO	SVOCs	<USCO
INDENO(1,2,3-CD)PYRENE	0.64	SILVER	3.7	METALS	<USCO
CADMIUM	5.7				
SILVER	50.6				

SL-24 (0.5-1.0')		SL-24 (4.0-4.5')		SL-24 (6.0-6.5')	
VOCs	<USCO	VOCs	<USCO	VOCs	<USCO
SVOCs	<USCO	SVOCs	<USCO	SVOCs	<USCO
METALS	<USCO	METALS	<USCO	METALS	<USCO

SL-31 (0.5-1.0')		SL-31 (5.0-5.5')		SL-31 (7.0-7.5')	
VOCs	<USCO	VOCs	<USCO	VOCs	<USCO
SVOCs	<USCO	SVOCs	<USCO	BENZO(a)ANTHRACENE	2.9
METALS	<USCO	METALS	<USCO	BENZO(a)PYRENE	2.5
				BENZO(b)FLUORANTHENE	2.9
				BENZO(x)FLUORANTHENE	0.96
				CHRYSENE	2.9
				INDENO(1,2,3-CD)PYRENE	1.3
				METALS	<USCO

SL-22 (0.5-1.0')		SL-22 (4.0-4.5')		SL-22 (5.5-6.0')	
ACETONE	0.079	VOCs	<USCO	VOCs	<USCO
BENZO(a)ANTHRACENE	5.3	SVOCs	<USCO	SVOCs	<USCO
BENZO(a)PYRENE	4.9	METALS	<USCO	METALS	<USCO
BENZO(b)FLUORANTHENE	5.3				
BENZO(k)FLUORANTHENE	1.7				
CHRYSENE	5.5				
DIBENZ(a,h)ANTHRACENE	0.72				
INDENO(1,2,3-CD)PYRENE	3.1				
LEAD	85.4				

QUONSET-SB-3 (24"-40")	
LEAD	94.8

QUONSET-SB-4 (13"-28")	
METALS	<USCO

QUONSET-SB-1 (14"-29")	
SELENIUM	4.25

SL-25 (0.5-1.0')	
VOCs	<USCO
SVOCs	<USCO
METALS	<USCO

SL-26 (0.5-1.0')	
VOCs	<USCO
METALS	<USCO

QUONSET-SB-2 (18"-36")	
METALS	<USCO

SL-27 (0.5-1.0')		SL-27 (2.5-3.0')		SL-27 (6.0-6.5')	
ACETONE	0.078	VOCs	<USCO	VOCs	<USCO
SVOCs	<USCO	SVOCs	<USCO	SVOCs	<USCO
LEAD	74.2	METALS	<USCO	METALS	<USCO
MERCURY	0.28				

SL-28 (0.5-1.0')	
VOCs	<USCO
MERCURY	0.46

SL-32 (0.5-1.0')	
VOCs	<USCO
METALS	<USCO

SL-30 (0.5-1.0')	
VOCs	<USCO
SVOCs	<USCO
METALS	<USCO

LEGEND

- SL-30 SHALLOW SOIL BORING LOCATION
- SL-20 DEEP SOIL BORING LOCATION
- SOIL BORING LOCATION COMPLETED BY OTHERS
- CB CATCH BASIN
- FLOOR DRAINS
- MHO MANHOLE
- DISTRIBUTION BOX
- DRAINAGE PIPING
- ABANDONED PIPE

DATA BOX LEGEND

SAMPLE ID	ANALYTICAL RESULT MG/KG
QUONSET-SB-1 (14"-29")	
SELENIUM	4.25

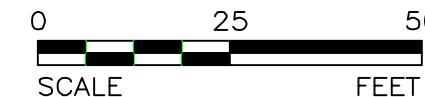
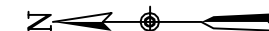
COMPOUND EXCEEDS UNRESTRICTED SCOs

<USCO - NO ANALYTE WAS DETECTED IN EXCEEDANCE OF ITS NYSDEC UNRESTRICTED SOIL CLEANUP OBJECTIVE (SCO)

VOC - VOLATILE ORGANIC COMPOUND

SVOC - SEMI-VOLATILE ORGANIC COMPOUND

SOURCE: DRAINAGE UTILITIES IN SOUTH LOT
KONICA - MINOLTA
GLEN COVE, NY
SIDNEY B. BOWNES & SONS, LLP
DATE: JUNE 2006

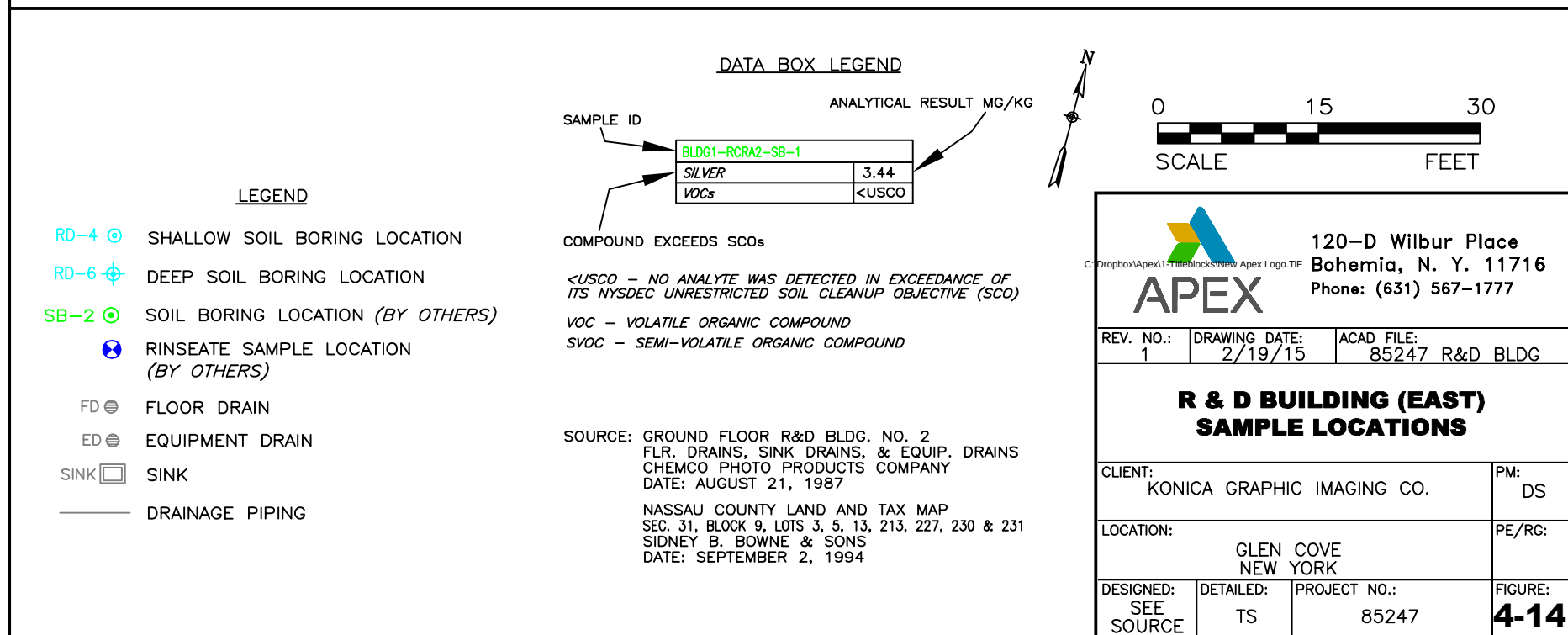
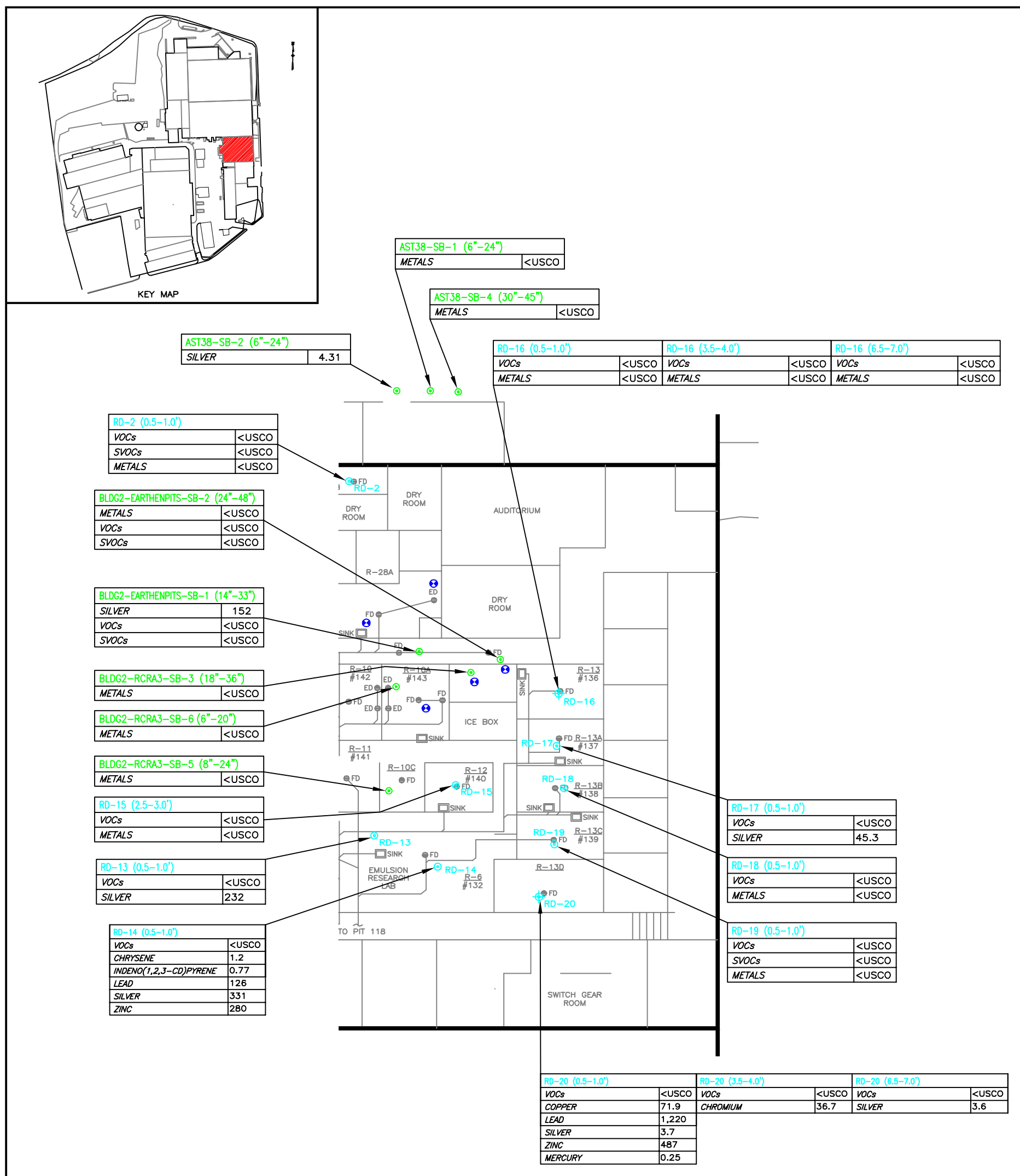


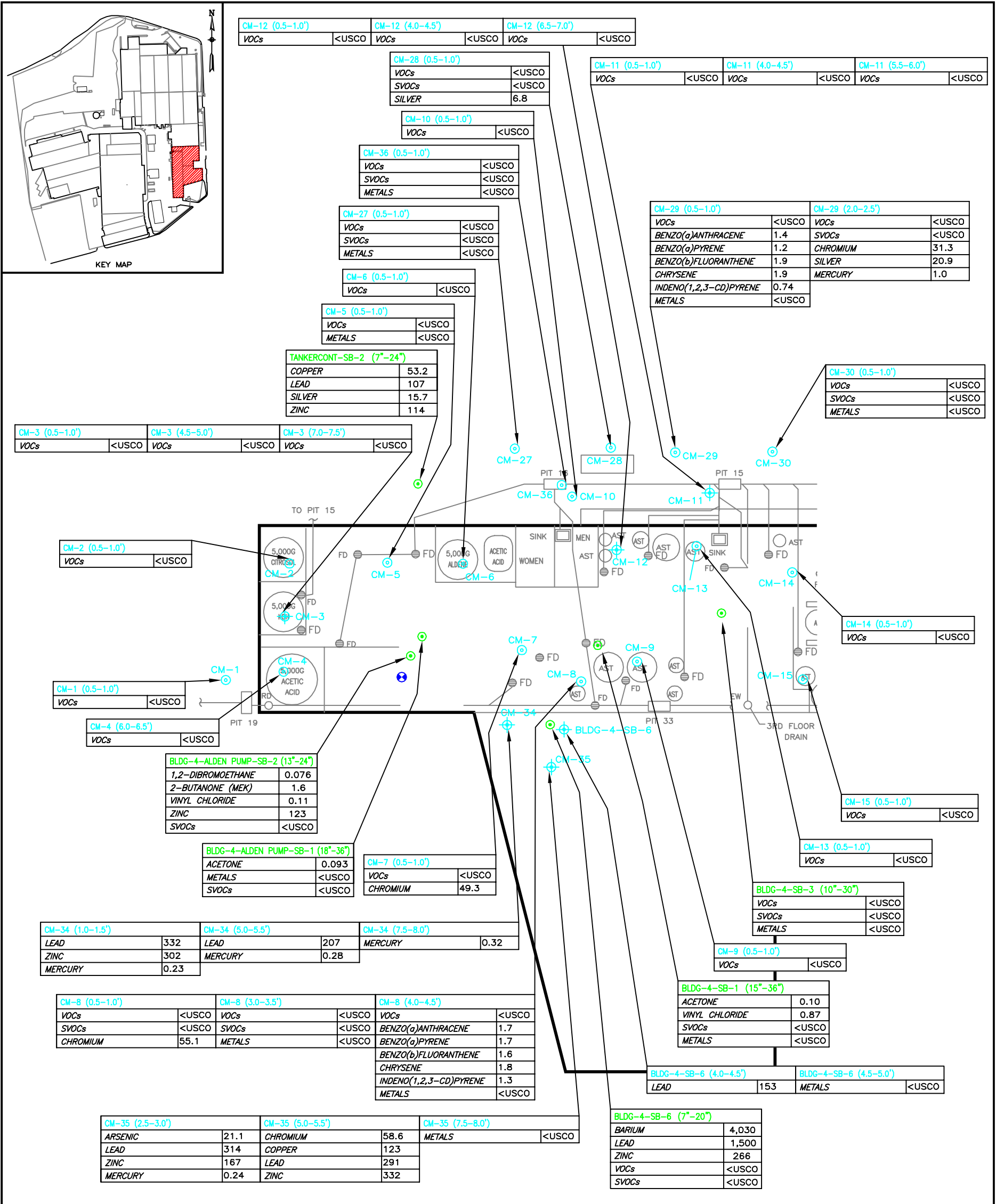
120-D Wilbur Place
Bohemia, N.Y. 11716
Phone: (631) 567-1777

REV. NO.: 2	DRAWING DATE: 2/20/15	ACAD FILE: 85247 DUSL AREA 2

AREA 2 SOUTH LOT SAMPLE LOCATIONS

CLIENT: KONICA IMAGING USA INC.	PM: DS
LOCATION: GLEN COVE NEW YORK	PE/RG:
DESIGNED: SEE SOURCE	DETAILED: TS
PROJECT NO.: 85247	FIGURE: 4-12





- LEGEND
- CM-2 SHALLOW SOIL BORING LOCATION
- CM-3 DEEP SOIL BORING LOCATION
- SOIL BORING LOCATION SAMPLED BY OTHERS
- RINSEATE SAMPLE LOCATION
- FD FLOOR DRAIN
- RD ROOF DRAIN
- SINK SINK
- TRENCH DRAIN
- DRAINAGE PIPING

DATA BOX LEGEND

SAMPLE ID	ANALYTICAL RESULT MG/KG
BLDG1-RCRA2-SB-1	
SILVER	3.44
VOCs	<USCO

COMPOUND EXCEEDS SCOs

<USCO - NO ANALYTE WAS DETECTED IN EXCEEDANCE OF ITS NYSDEC UNRESTRICTED SOIL CLEANUP OBJECTIVE (SCO) OR GUIDANCE VALUES.

VOC - VOLATILE ORGANIC COMPOUND

SVOC - SEMI-VOLATILE ORGANIC COMPOUND

SOURCE: CHEMICAL MIXING BUILDING PLAN
FLR. DRAINS, SINK DRAINS & EQUIP. DRAINS
CHEMCO PHOTOPRODUCTS CO.
DATE: AUGUST 21, 1987

120-D Wilbur Place
Bohemia, N.Y. 11716
Phone: (631) 567-1777

REV. NO.: 2
DRAWING DATE: 2/19/15
ACAD FILE: 85247 CHEM BLDG

**CHEM MIX BUILDING (SOUTH)
SAMPLE LOCATIONS**

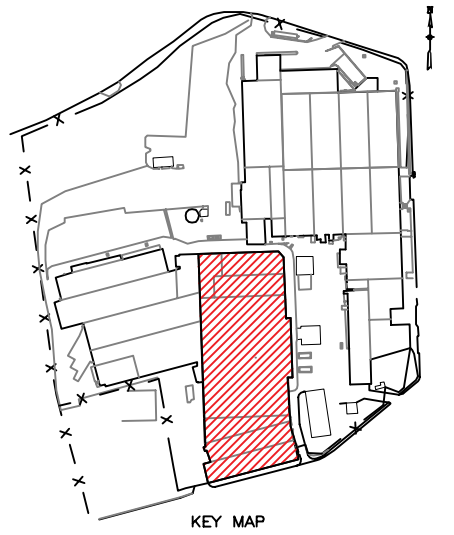
CLIENT: KONICA GRAPHIC IMAGING CO. PM: DS

LOCATION: GLEN COVE NEW YORK PE/RG:

DESIGNED: SEE SOURCE
DETAILED: TS
PROJECT NO.: 85247
FIGURE: **4-15**

X-REF:

DRAWING FILE LOCATION: P:\ACTIVE PROJECTS\...EQ NORTHEAST\85247.003 -- KONICA RORA CLOSURE PLAN/DRAWINGS & CAD REPORT:



KEY MAP

C1-4 (0.5-1.0')	
VOCs	<USCO
SVOCs	<USCO
ARSENIC	16.3
CHROMIUM	37.6
MANGANESE	5,310

C1-2 (1.0-1.5')	
VOCs	<USCO
SVOCs	<USCO
METALS	<USCO

C1-1 (0.5-1.0')	
VOCs	<USCO
SVOCs	<USCO
METALS	<USCO

B-7	
VOCs	<USCO
SVOCs	<USCO
METALS	<USCO

SS-12	
VOCs	<NYSDOH

SS-13	
VOCs	<NYSDOH

C1-5 (0.5-1.0')	
VOCs	<USCO
SVOCs	<USCO
METALS	<USCO

C1-9 (0.5-1.0')	
VOCs	<USCO
SVOCs	<USCO
METALS	<USCO

COLUMBIA-C-1-SB-6 (15"-30")	
ACETONE	0.12
SVOCs	<USCO
METALS	<USCO

COLUMBIA-C-1-SB-5 (15"-30")	
ACETONE	0.063
SVOCs	<USCO
METALS	<USCO

C1-3 (1.0-1.5')	
VOCs	<USCO
SVOCs	<USCO
METALS	<USCO

C1-3 (4.0-4.5')	
VOCs	<USCO
SVOCs	<USCO
METALS	<USCO

C1-3 (5.0-5.5')	
VOCs	<USCO
SVOCs	<USCO
METALS	<USCO

SS-11	
VOCs	<NYSDOH

C1-8 (0.5-1.0')	
VOCs	<USCO
SVOCs	<USCO
METALS	<USCO

C1-7 (0.5-1.0')	
VOCs	<USCO
SVOCs	<USCO
METALS	<USCO

C1-10 (0.5-1.0')	
VOCs	<USCO
SVOCs	<USCO
LEAD	80.6

SS-9	
VOCs	<NYSDOH

COLUMBIA-C-1-SB-4 (12"-27")	
VOCs	<USCO
SVOCs	<USCO
METALS	<USCO

COLUMBIA-C-1-SB-3 (12"-27")	
ACETONE	0.096
SVOCs	<USCO
METALS	<USCO

COLUMBIA-C-1-SB-1 (12"-27")	
ACETONE	0.11
SVOCs	<USCO
METALS	<USCO

COLUMBIA-C-1-SB-2 (10"-24")	
ACETONE	0.10
SVOCs	<USCO
METALS	<USCO

C1-8 (0.5-1.0')	
VOCs	<USCO
SVOCs	<USCO
METALS	<USCO

C1-8 (2.0-2.5')	
VOCs	<USCO
SVOCs	<USCO
METALS	<USCO

C1-8 (4.0-4.5')	
VOCs	<USCO
SVOCs	<USCO
METALS	<USCO

C1-12 (0.5-1.0')	
VOCs	<USCO
SVOCs	<USCO
METALS	<USCO

C1-12 (3.0-3.5')	
VOCs	<USCO
SVOCs	<USCO
METALS	<USCO

C1-12 (4.0-4.5')	
VOCs	<USCO
SVOCs	<USCO
METALS	<USCO

C1-11 (0.5-1.0')	
VOCs	<USCO
SVOCs	<USCO
METALS	<USCO

C1-15 (0.5-1.0')	
VOCs	<USCO
SVOCs	<USCO
METALS	<USCO

C1-18 (0.5-1.0')	
VOCs	<USCO
SVOCs	<USCO
METALS	<USCO

COLUMBIA-C-1-HAZSTORAGE-SB-1 (15"-28")	
ACETONE	0.091
SVOCs	<USCO
METALS	<USCO

C1-20 (0.5-1.0')	
VOCs	<USCO
SVOCs	<USCO

COLUMBIA-C-1-HAZSTORAGE-SB-2 (10"-22")	
VOCs	<USCO
SVOCs	<USCO
METALS	<USCO

C1-19 (0.5-1.0')	
VOCs	<USCO
SVOCs	<USCO
METALS	<USCO

C1-19 (3.0-3.5')	
VOCs	<USCO
SVOCs	<USCO
LEAD	114

C1-19 (4.0-4.5')	
VOCs	<USCO
SVOCs	<USCO
METALS	<USCO

C1-19A (0.5-1.0')	
VOCs	<USCO
SVOCs	<USCO
METALS	<USCO

C1-19A (2.5-3.0')	
VOCs	<USCO
SVOCs	<USCO
METALS	<USCO

C1-19A (5.0-5.5')	
VOCs	<USCO
SVOCs	<USCO
METALS	<USCO

C1-17 (0.5-1.0')	
VOCs	<USCO
SVOCs	<USCO
METALS	<USCO

C1-14 (0.5-1.0')	
VOCs	<USCO
SVOCs	<USCO
METALS	<USCO

C1-16 (0.5-1.0')	
VOCs	<USCO
SVOCs	<USCO
METALS	<USCO

C1-13 (0.5-1.0')	
VOCs	<USCO
SVOCs	<USCO
METALS	<USCO

C1-13 (2.5-3.0')	
VOCs	<USCO
SVOCs	<USCO
METALS	<USCO

C1-13 (6.5-7.0')	
VOCs	<USCO
SVOCs	<USCO
METALS	<USCO

LEGEND

- C1-18 SHALLOW SOIL BORING LOCATION
C1-19 DEEP SOIL BORING LOCATION
 SOIL BORING LOCATION BY OTHERS
 SUB-SLAB SOIL VAPOR SAMPLE LOCATION
 ACTIVE AST
50 AST ON SITE
108 ACTIVE UST
29 ABANDONED UST

DATA BOX LEGEND

SAMPLE ID	ANALYTICAL RESULT MG/KG
C6-SILVERM-SB-1	
SELENIUM	4.20
VOCs	<USCO

COMPOUND EXCEEDS UNRESTRICTED SCOs

<USCO - NO ANALYTE WAS DETECTED IN EXCEEDANCE OF ITS NYSDEC UNRESTRICTED SOIL CLEANUP OBJECTIVE (SCO)

VOC - VOLATILE ORGANIC COMPOUND

SVOC - SEMI-VOLATILE ORGANIC COMPOUND

DATA BOX LEGEND

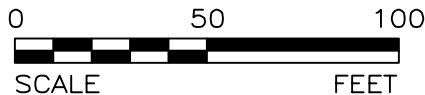
SUB-SLAB SOIL VAPOR

SAMPLE ID	ANALYTIC RESULT UG/MG3
SS-1	
TCA	2,200
VOCs	<NYSDOH

COMPOUND EXCEEDS NYSDOH MITIGATE THRESHOLD

<NYSDOH - NO ANALYTE DETECTED IN EXCEEDANCE OF NYSDOH MONITOR THRESHOLD

SOURCE: MAIN BUILDING FIRST FLOOR
113-8-23X
KONICA GRAPHIC IMAGING USA, INC.
DATE: AUGUST 9, 2002
COLUMBIA BUILDING SAMPLE LOCATIONS
FIGURE 3
PREFERRED ENVIRONMENTAL SERVICES
PHASE I
DATE: OCTOBER 2011



120-D Wilbur Place
Bohemia, N. Y. 11716
Phone: (631) 567-1777

REV. NO.: 2	DRAWING DATE: 2/19/15	ACAD FILE: COLUMBIA C1 081513

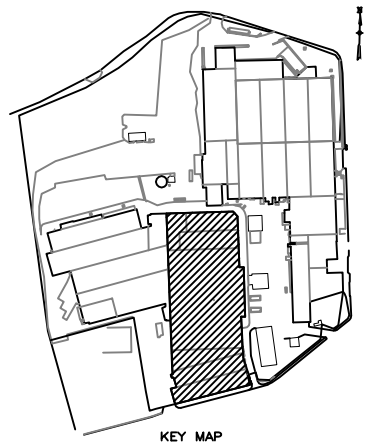
COLUMBIA BUILDING C1 BUILDING SAMPLE LOCATIONS

CLIENT: KONICA GRAPHIC IMAGING CO.	PM: DS
LOCATION: GLEN COVE, NEW YORK	PE/RG:
DESIGNED: SEE SOURCE	DETAILED: TS
PROJECT NO.: 85247	FIGURE: 4-17

X-REF:

REPORT:

DRAWING FILE LOCATION: P:\ACTIVE PROJECTS\...EQ NORTHEAST\85247.003 - KONICA RORA CLOSURE PLAN/DRAWINGS & CAD



C1-28 (0.5-1.0')		C1-28 (4.5-5.0')		C1-28 (7.0-7.5')	
ACETONE	0.074	VOCs	<USCO	ACETONE	0.057
BENZO(a)ANTHRACENE	4.6	SVOCs	<USCO	SVOCs	<USCO
BENZO(a)PYRENE	4.3	CHROMIUM	30.0	METALS	<USCO
BENZO(b)FLUORANTHENE	4.8	LEAD	535		
BENZO(k)FLUORANTHENE	2.0				
CHRYSENE	5.0				
DIBENZ(a,h)ANTHRACENE	0.47				
INDENO(1,2,3-CD)PYRENE	4.4				
METALS	<USCO				

C1-27 (0.5-1.0')		C1-27 (4.0-4.5')		C1-27 (7.0-7.5')	
VOCs	<USCO	VOCs	<USCO	VOCs	<USCO
SVOCs	<USCO	SVOCs	<USCO	SVOCs	<USCO
METALS	<USCO	SILVER	2.7	CHROMIUM	88.6
				NICKEL	39.4

C1-26 (0.5-1.0')		C1-26 (5.0-5.5')		C1-26 (6.5-7.0')	
VOCs	<USCO	VOCs	<USCO	VOCs	<USCO
SVOCs	<USCO	SVOCs	<USCO	SVOCs	<USCO
METALS	<USCO	METALS	<USCO	CHROMIUM	101
				NICKEL	40.3

C1-21 (0.5-1.0')		C1-21 (2.5-3.0')		C1-21 (5.0-5.5')	
M&P XYLENE	1.0	VOCs	<USCO	M&P XYLENE	0.35
TOLUENE	2.5	SVOCs	<USCO	TOLUENE	0.95
BENZO(a)ANTHRACENE	1.2			BENZO(a)ANTHRACENE	1.2
BENZO(a)PYRENE	1.5			BENZO(a)PYRENE	1.3
BENZO(a)FLUORANTHENE	2.0			BENZO(a)FLUORANTHENE	1.6
CHRYSENE	1.3			CHRYSENE	1.3
INDENO(1,2,3-CD)PYRENE	0.88			INDENO(1,2,3-CD)PYRENE	0.51

C1-23 (0.5-1.0')		C1-23 (2.0-2.5')		C1-23 (4.0-4.5')	
ACETONE	0.073	ACETONE	0.084	ACETONE	0.062
SVOCs	<USCO	BENZO(a)ANTHRACENE	16	BENZO(a)ANTHRACENE	19
		BENZO(a)PYRENE	15	BENZO(a)PYRENE	19
		BENZO(b)FLUORANTHENE	16	BENZO(b)FLUORANTHENE	21
		BENZO(k)FLUORANTHENE	5.9	BENZO(k)FLUORANTHENE	6.9
		CHRYSENE	16	CHRYSENE	19
		DIBENZ(a,h)ANTHRACENE	3.1	DIBENZ(a,h)ANTHRACENE	3.9
		INDENO(1,2,3-CD)PYRENE	15	INDENO(1,2,3-CD)PYRENE	19

C1-25 (0.5-1.0')		C1-25 (3.0-3.5')		C1-25 (4.5-5.0')	
VOCs	<USCO	VOCs	<USCO	VOCs	<USCO
BENZO(a)ANTHRACENE	5.9	SVOCs	<USCO	BENZO(a)ANTHRACENE	50
BENZO(a)PYRENE	5.3			BENZO(a)PYRENE	46
BENZO(b)FLUORANTHENE	6.3			BENZO(b)FLUORANTHENE	51
BENZO(k)FLUORANTHENE	1.9			BENZO(k)FLUORANTHENE	20
CHRYSENE	5.6			CHRYSENE	47
DIBENZ(a,h)ANTHRACENE	0.58			DIBENZ(a,h)ANTHRACENE	5.4
INDENO(1,2,3-CD)PYRENE	5.6			DIBENZOFURAN	18
				FLUORANTHENE	120
				INDENO(1,2,3-CD)PYRENE	43
				PHENANTHRENE	150

C1-29 (0.5-1.0')		C1-29 (2.0-2.5')		C1-29 (6.5-7.0')	
VOCs	<USCO	ACETONE	0.10 B	ACETONE	0.89 B
SVOCs	<USCO	SVOCs	<USCO	SVOCs	<USCO
LEAD	64.2	ARSENIC	20.3	COPPER	54.4
ZINC	142	MANGANESE	2,660	MERCURY	0.22

C1-22 (0.5-1.0')		C1-22 (3.0-3.5')		C1-22 (4.0-4.5')	
VOCs	<USCO	VOCs	<USCO	VOCs	<USCO
BENZO(a)ANTHRACENE	2.2	BENZO(a)ANTHRACENE	2.9	BENZO(a)ANTHRACENE	22
BENZO(a)PYRENE	2.0	BENZO(a)PYRENE	3.1	BENZO(a)PYRENE	21
BENZO(b)FLUORANTHENE	2.1	BENZO(b)FLUORANTHENE	3.5	BENZO(b)FLUORANTHENE	23
BENZO(k)FLUORANTHENE	0.84	BENZO(k)FLUORANTHENE	1.0	BENZO(k)FLUORANTHENE	7.5
CHRYSENE	2.0	CHRYSENE	3.3	CHRYSENE	22
INDENO(1,2,3-CD)PYRENE	1.9	DIBENZ(a,h)ANTHRACENE	0.54	DIBENZ(a,h)ANTHRACENE	4.6
METALS	<USCO	INDENO(1,2,3-CD)PYRENE	2.5	INDENO(1,2,3-CD)PYRENE	22
		ARSENIC	37.8	ARSENIC	46.2
				BARIUM	407
				CHROMIUM	43.3
				COPPER	94.6
				LEAD	438
				SELENIUM	6.4
				ZINC	219

- LEGEND**
- C1-18 ⊙ SHALLOW SOIL BORING LOCATION
 - C1-19 ⊕ DEEP SOIL BORING LOCATION
 - ⊙ ACTIVE UST

DATA BOX LEGEND

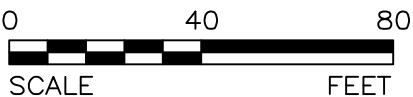
SAMPLE ID	ANALYTICAL RESULT MG/KG
C1-28 (7.0-7.5')	
ACETONE	0.057
SVOCs	<USCO
METALS	<USCO

COMPOUND EXCEEDS UNRESTRICTED SCOs

<USCO - NO ANALYTE WAS DETECTED IN EXCEEDANCE OF ITS NYSDEC UNRESTRICTED SOIL CLEANUP OBJECTIVE (SCO)

VOC - VOLATILE ORGANIC COMPOUND
SVOC - SEMI-VOLATILE ORGANIC COMPOUND

SOURCE: MAIN BUILDING FIRST FLOOR
113-8-23X
KONICA GRAPHIC IMAGING USA, INC.
DATE: AUGUST 9, 2002
COLUMBIA BUILDING SAMPLE LOCATIONS
FIGURE 3
PREFERRED ENVIRONMENTAL SERVICES
DATE: SEPTEMBER 11, 2011



120-D Wilbur Place
Bohemia, N. Y. 11716
Phone: (631) 567-1777

REV. NO.: -
DRAWING DATE: 09/03/13
ACAD FILE: 85247FIG1-3

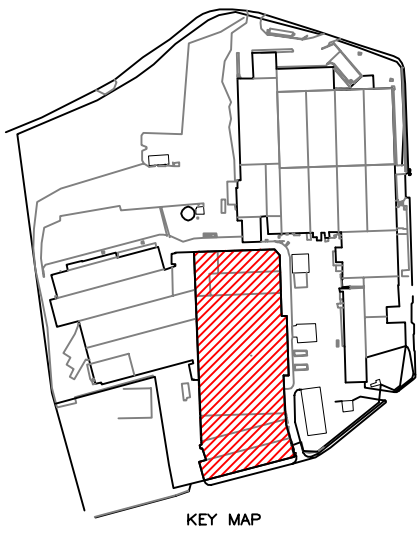
COLUMBIA BUILDING C1 BUILDING (SOUTH) SAMPLE LOCATIONS

CLIENT: KONICA GRAPHIC IMAGING CO.	PM: DS
LOCATION: GLEN COVE, NEW YORK	PE/RG:
DESIGNED: SEE SOURCE	DETAILED: TS
PROJECT NO.: 85247	FIGURE: 4-18

X-REF:

REPORT:

DRAWING FILE LOCATION: P:\ACTIVE PROJECTS\...EQ NORTHEAST\85247.003 - KONICA RORA CLOSURE PLAN/DRAWINGS & CAD



KEY MAP

W18 (0.5-1.0')	
VOCs	<USCO
BENZO(a)ANTHRACENE	1.2
BENZO(a)PYRENE	1.2
BENZO(b)FLUORANTHENE	1.3
CHRYSENE	1.4
INDENO(1,2,3-CD)PYRENE	0.58
METALS	<USCO

W18 (5.0-5.5')	
VOCs	<USCO
SVOCs	<USCO
METALS	<USCO

W18 (7.0-7.5')	
VOCs	<USCO
SVOCs	<USCO
METALS	<USCO

W19 (0.5-1.0')	
VOCs	<USCO
BENZO(a)ANTHRACENE	6.8
BENZO(a)PYRENE	6.1
BENZO(b)FLUORANTHENE	8.6
BENZO(k)FLUORANTHENE	2.9
CHRYSENE	8.1
DIBENZ(a,h)ANTHRACENE	0.95
INDENO(1,2,3-CD)PYRENE	4.6
METALS	<USCO

W20 (0.5-1.0')	
VOCs	<USCO
BENZO(a)ANTHRACENE	17
BENZO(a)PYRENE	14
BENZO(b)FLUORANTHENE	14
CHRYSENE	1.9
INDENO(1,2,3-CD)PYRENE	7.5
LEAD	183
ZINC	138

W-3 (8')	
VOCs	<USCO
SVOCs	<USCO
METALS	<USCO

C-1A-WEDGEBUILDING-SB-6 (6'-8')	
VOCs	<USCO
SVOCs	<USCO

W-5 (8')	
VOCs	<USCO
SVOCs	<USCO
METALS	<USCO

C-1A-WEDGEBUILDING-SB-5 (6'-8')	
VOCs	<USCO
SVOCs	<USCO

W-2 (8')	
VOCs	<USCO
SVOCs	<USCO
SILVER	5.6
ZINC	162

W-4 (8')	
VOCs	<USCO
SVOCs	<USCO
METALS	<USCO

W-6 (5')	
VOCs	<USCO
SVOCs	<USCO
COPPER	321
ZINC	111

C-1A-WEDGEBUILDING-SB-3 (8'-10')	
VOCs	<USCO
SVOCs	<USCO

C-1A-WEDGEBUILDING-SB-4 (8'-10')	
VOCs	<USCO
SVOCs	<USCO

W-8 (3.5')	
TOLUENE	9.5
INDENO(1,2,3-CD)PYRENE	1.1
METALS	<USCO

W15 (6')	
VOCs	<USCO
BENZO(a)ANTHRACENE	3.3
BENZO(a)PYRENE	3.1
BENZO(b)FLUORANTHENE	3.7
BENZO(k)FLUORANTHENE	1.3
CHRYSENE	3.4
DIBENZ(a,h)ANTHRACENE	0.45
INDENO(1,2,3-CD)PYRENE	1.8
SILVER	6.2

W-11 (9')	
VOCs	<USCO
SVOCs	<USCO
METALS	<USCO

W-12 (9')	
VOCs	<USCO
SVOCs	<USCO
METALS	<USCO

C-1A-WEDGEBUILDING-SB-2 (8'-10')	
VOCs	<USCO
SVOCs	<USCO

W15 (6')	
VOCs	<USCO
METALS	<USCO

W14 (6')	
VOCs	<USCO
BENZO(a)ANTHRACENE	34
BENZO(a)PYRENE	32
BENZO(b)FLUORANTHENE	35
BENZO(k)FLUORANTHENE	14
CHRYSENE	38
DIBENZ(a,h)ANTHRACENE	3.8
INDENO(1,2,3-CD)PYRENE	15
ZINC	139

C-1A-WEDGEBUILDING-SB-7 (6'-8')	
VOCs	<USCO
SVOCs	<USCO

WEDGE BUILDING	
VOCs	<USCO
SVOCs	<USCO

C-1A-WEDGEBUILDING-SB-8 (6'-8')	
VOCs	<USCO
SVOCs	<USCO

W1 (8')	
VOCs	<USCO
BENZO(a)ANTHRACENE	5.5
BENZO(a)PYRENE	3.1
BENZO(b)FLUORANTHENE	7.1
BENZO(k)FLUORANTHENE	3.6
CHRYSENE	5.9
DIBENZ(a,h)ANTHRACENE	1.1
INDENO(1,2,3-CD)PYRENE	3.2
METALS	<USCO

W-7 (3.5')	
VOCs	<USCO
BENZO(b)FLUORANTHENE	1.0
METALS	<USCO

C-1A-PAINTSHAFT-SB-1 (8'-15')	
ACETONE	0.072
SVOCs	<USCO
METALS	<USCO

W-9 (9')	
VOCs	<USCO
SVOCs	<USCO
METALS	<USCO

W13 (6')	
VOCs	<USCO
BENZO(a)ANTHRACENE	1.4
BENZO(a)PYRENE	1.3
BENZO(b)FLUORANTHENE	1.6
CHRYSENE	1.6
INDENO(1,2,3-CD)PYRENE	0.89
METALS	<USCO

W-10 (9')	
VOCs	<USCO
SVOCs	<USCO
METALS	<USCO

C-1A-WEDGEBUILDING-SB-1 (8'-10')	
VOCs	<USCO
SVOCs	<USCO



LEGEND

- C1-18 SHALLOW SOIL BORING LOCATION
- C1-19 DEEP SOIL BORING LOCATION
- SOIL BORING LOCATION BY OTHERS
- ACTIVE AST

DATA BOX LEGEND

SAMPLE ID		ANALYTICAL RESULT MG/KG	
WEDGE BUILDING		SELENIUM	4.20
		VOCs	<USCO

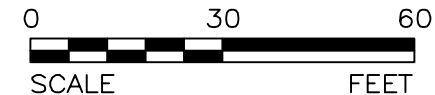
COMPOUND EXCEEDS UNRESTRICTED SCOs

<USCO - NO ANALYTE WAS DETECTED IN EXCEEDANCE OF ITS NYSDEC UNRESTRICTED SOIL CLEANUP OBJECTIVE (SCO)

VOC - VOLATILE ORGANIC COMPOUND

SVOC - SEMI-VOLATILE ORGANIC COMPOUND

SOURCE: MAIN BUILDING FIRST FLOOR
113-8-23X
KONICA GRAPHIC IMAGING USA, INC.
DATE: AUGUST 9, 2002
COLUMBIA BUILDING SAMPLE LOCATIONS
FIGURE 3
PREFERRED ENVIRONMENTAL SERVICES
PHASE I
DATE: OCTOBER 2011



120-D Wilbur Place
Bohemia, N. Y. 11716
Phone: (631) 567-1777

REV. NO.: 2	DRAWING DATE: 2/20/15	ACAD FILE: COLUMBIA WEDGE 081513

COLUMBIA BUILDING
WEDGE BUILDING
SAMPLE LOCATIONS

CLIENT: KONICA GRAPHIC IMAGING CO.	PM: DS

LOCATION: GLEN COVE, NEW YORK	PE/RG:

DESIGNED: SEE SOURCE	DETAILED: TS	PROJECT NO.: 85247	FIGURE: 4-19

X-REF:

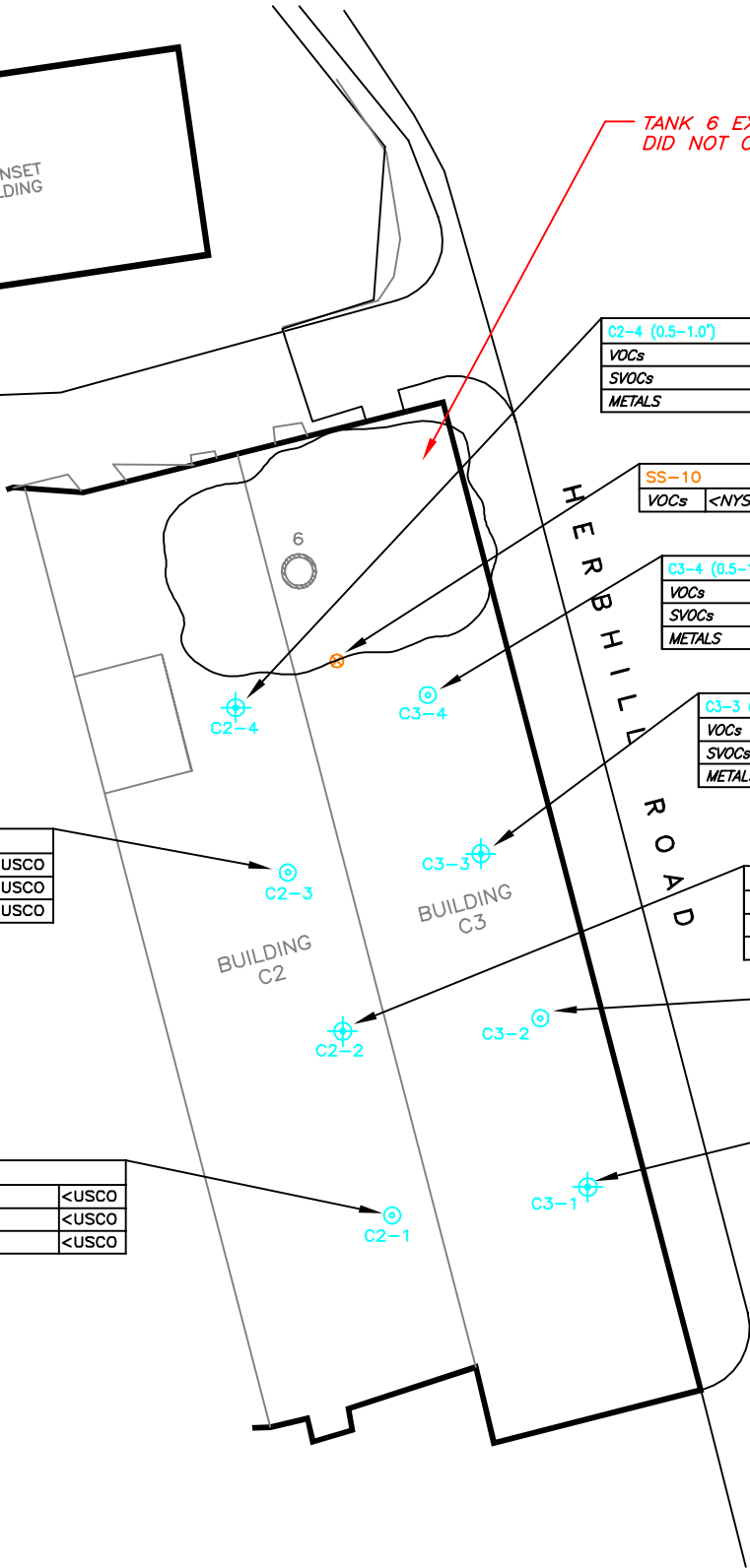
DRAWING FILE LOCATION: P:\ACTIVE PROJECTS\...EQ NORTHEAST\B5247.003 - KONICA RCRA CLOSURE PLAN/DRAWINGS & CAD REPORT:



C2-3 (0.5-1.0')	
VOCs	<USCO
SVOCs	<USCO
METALS	<USCO

C2-1 (0.5-1.0')	
VOCs	<USCO
SVOCs	<USCO
METALS	<USCO

QUONSET BUILDING



C2-4 (0.5-1.0')		C2-4 (4.0-4.5')		C2-4 (7.0-7.5')	
VOCs	<USCO	VOCs	<USCO	VOCs	<USCO
SVOCs	<USCO	SVOCs	<USCO	SVOCs	<USCO
METALS	<USCO	METALS	<USCO	METALS	<USCO

SS-10	
VOCs	<NYSDOH

C3-4 (0.5-1.0')	
VOCs	<USCO
SVOCs	<USCO
METALS	<USCO

C3-3 (0.5-1.0')		C3-3 (4.0-4.5')		C3-3 (6.5-7.0')	
VOCs	<USCO	VOCs	<USCO	VOCs	<USCO
SVOCs	<USCO	SVOCs	<USCO	SVOCs	<USCO
METALS	<USCO	METALS	<USCO	METALS	<USCO

C2-2 (0.5-1.0')		C2-2 (1.5-2.0')		C2-2 (4.0-4.5')	
VOCs	<USCO	VOCs	<USCO	VOCs	<USCO
SVOCs	<USCO	SVOCs	<USCO	SVOCs	<USCO
METALS	<USCO	METALS	<USCO	METALS	<USCO

C3-2 (0.5-1.0')	
VOCs	<USCO
SVOCs	<USCO
METALS	<USCO

C3-1 (0.5-1.0')		C3-1 (2.0-2.5')		C3-1 (7.0-7.5')	
VOCs	<USCO	VOCs	<USCO	VOCs	<USCO
SVOCs	<USCO	SVOCs	<USCO	SVOCs	<USCO
METALS	<USCO	METALS	<USCO	METALS	<USCO

LEGEND

- C3-2 SHALLOW SOIL BORING LOCATION
- C2-4 DEEP SOIL BORING LOCATION
- SOIL BORING LOCATION BY OTHERS
- SUB-SLAB SOIL VAPOR SAMPLE LOCATION
- ABANDONED AND REMOVED UST

DATA BOX LEGEND

SAMPLE ID	ANALYTICAL RESULT MG/KG	
C6-SILVERRM-SB-1		
SELENIUM	4.20	
VOCs	<USCO	

COMPOUND EXCEEDS UNRESTRICTED SCOs

<USCO - NO ANALYTE WAS DETECTED IN EXCEEDANCE OF ITS NYSDEC UNRESTRICTED SOIL CLEANUP OBJECTIVE (SCO)

VOC - VOLATILE ORGANIC COMPOUND
SVOC - SEMI-VOLATILE ORGANIC COMPOUND

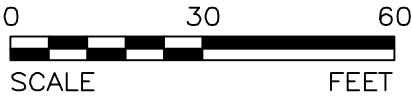
DATA BOX LEGEND
SUB-SLAB SOIL VAPOR

SAMPLE ID	ANALYTIC RESULT UG/MG3	
SS-1		
TCA	2,200	
VOCs	<NYSDOH	

COMPOUND EXCEEDS NYSDOH MITIGATE THRESHOLD

<NYSDOH - NO ANALYTE DETECTED IN EXCEEDANCE OF NYSDOH MONITOR THRESHOLD

SOURCE: MAIN BUILDING FIRST FLOOR
113-8-23X
KONICA GRAPHIC IMAGING USA, INC.
DATE: AUGUST 9, 2002
COLUMBIA BUILDING SAMPLE LOCATIONS
FIGURE 3
PREFERRED ENVIRONMENTAL SERVICES
PHASE I
DATE: OCTOBER 2011



120-D Wilbur Place
Bohemia, N. Y. 11716
Phone: (631) 567-1777

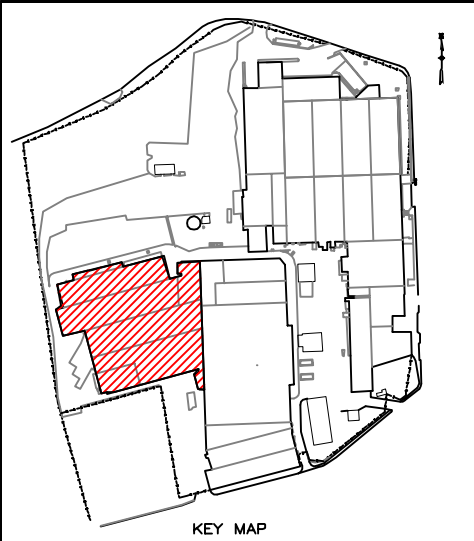
REV. NO.: 2	DRAWING DATE: 2/19/15	ACAD FILE: COLUMBIA C2 & C3 081513

COLUMBIA BUILDING
C2 & C3 BUILDING
SAMPLE LOCATIONS

CLIENT: KONICA GRAPHIC IMAGING CO.	PM: DS
LOCATION: GLEN COVE, NEW YORK	PE/RG:
DESIGNED: SEE SOURCE	DETAILED: TS
PROJECT NO.: 85247	FIGURE: 4-20

X-REF:

DRAWING FILE LOCATION: P:\ACTIVE PROJECTS\...EQ NORTHEAST\85247.003 - KONICA RORA CLOSURE PLAN/DRAWINGS & CAD REPORT:



KEY MAP

B-9 (2.5'-3')	
VOCs	<USCO
SVOCs	<USCO
METALS	<USCO

B-1 (4')	
SVOCs	<USCO

B-2 (4')	
SVOCs	<USCO

C5-1 (0.5-1.0')	
VOCs	<USCO
SVOCs	<USCO
METALS	<USCO

C5-5 (1.0-1.5')	
VOCs	<USCO
SVOCs	<USCO
METALS	<USCO

C5-2 (0.5-1.0')	
VOCs	<USCO
SVOCs	<USCO
METALS	<USCO

SS-4	
VOCs	<NYSDOH

C4-1 (0.5-1.0')	
VOCs	<USCO
SVOCs	<USCO
METALS	<USCO

SS-3	
VOCs	<NYSDOH

C4-2 (0.5-1.0')	
VOCs	<USCO
SVOCs	<USCO
METALS	<USCO

C4-2 (2.0-2.5')	
VOCs	<USCO
SVOCs	<USCO
METALS	CHROMIUM 83.1

C4-2 (4.0-4.5')	
VOCs	<USCO
SVOCs	<USCO
METALS	<USCO

C5-3 (0.5-1.0')	
VOCs	<USCO
SVOCs	<USCO
METALS	<USCO

C5-3 (2.0-2.5')	
VOCs	<USCO
SVOCs	<USCO
METALS	<USCO

C5-3 (5.0-5.5')	
VOCs	<USCO
SVOCs	<USCO
METALS	ARSENIC 30.1

N. ALLEYWAY-SB-3 (4'-5')	
VOCs	<USCO
SVOCs *	<USCO
METALS	<USCO

B-8 (3'-3.5')	
VOCs	<USCO
SVOCs	<USCO
METALS	<USCO

N. ALLEYWAY-SB-1 (4'-5')	
1-2 DICHLOROETHANE	0.15
2-BUTANONE (MEK)	0.61
BENZENE	0.11
VINYL CHLORIDE	0.21
SVOCs *	<USCO
METALS	<USCO

N. ALLEYWAY-SB-6 (8'-9')	
1,2,4-TRIMETHYLBENZENE	66
1,3,5-TRIMETHYLBENZENE	20
ETHYLBENZENE	6.3
XYLENES TOTAL	25
NAPHTHALENE	29.21
METALS	<USCO

N. ALLEYWAY-SB-2 (4'-5')	
XYLENES TOTAL	0.64
SVOCs *	<USCO
METALS	<USCO

B-3	
VOCs	<USCO
SVOCs	<USCO
METALS	<USCO

B-4	
VOCs	<USCO
SVOCs	<USCO
METALS	<USCO

N. ALLEYWAY-SB-7 (7.5'-9')	
MANGANESE	2,590
VOCs	<USCO
SVOCs *	<USCO
METALS	<USCO

B-5 (4'-4.5')	
VOCs	<USCO
SVOCs	<USCO
METALS	<USCO

N. ALLEY FORMER TRANSFORMER-PCB-1	
PCBs	ND

N. ALLEY FORMER TRANSFORMER-PCB-2	
PCBs	ND

B-7 (6'-7')	
VOCs	<USCO
SVOCs	<USCO
METALS	<USCO

N. ALLEYWAY-SB-8 (7'-8')	
1,2,4 TRIMETHYLBENZENE	8.2
1,2-DICHLOROETHENE	0.15
SVOCs *	<USCO
METALS	<USCO

SS-5	
VOCs	<NYSDOH

SS-14	
VOCs	<NYSDOH

SS-6	
VOCs	<NYSDOH

C4-4 (0.5-1.0')	
VOCs	<USCO
SVOCs	<USCO
METALS	<USCO

C5-4 (0.5-1.0')	
VOCs	<USCO
SVOCs	<USCO
METALS	<USCO

C5-4 (2.0-2.5')	
VOCs	<USCO
SVOCs	<USCO
METALS	<USCO

C5-4 (6.0-6.5')	
VOCs	<USCO
SVOCs	<USCO
METALS	<USCO

C4-3 (0.5-1.0')	
VOCs	<USCO
SVOCs	<USCO
METALS	<USCO



LEGEND

- C4-1 SHALLOW SOIL BORING LOCATION
- C4-2 DEEP SOIL BORING LOCATION
- SOIL BORING LOCATION SAMPLED BY OTHERS
- PCB CONCRETE WIPE SAMPLE
- SUB-SLAB SOIL VAPOR SAMPLE LOCATION
- FD FLOOR DRAIN
- SINK
- DRAIN PIPING
- ACTIVE AST
- AST ON SITE
- FENCE

DATA BOX LEGEND

SOIL

SAMPLE ID	ANALYTICAL RESULT MG/KG
B-5 (4'-4.5')	
VOCs	<USCO
SVOCs	<USCO
METALS	<USCO

COMPOUND EXCEEDS UNRESTRICTED SCOs

<USCO - NO ANALYTE WAS DETECTED IN EXCEEDANCE OF ITS NYSDOH UNRESTRICTED SOIL CLEANUP OBJECTIVE (SCO)

VOC - VOLATILE ORGANIC COMPOUND

SVOC - SEMI-VOLATILE ORGANIC COMPOUND

DATA BOX LEGEND

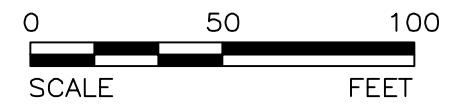
SUB-SLAB SOIL VAPOR

SAMPLE ID	ANALYTIC RESULT UG/MG3
SS-6	
VOCs	<NYSDOH

COMPOUND EXCEEDS NYSDOH MITIGATE THRESHOLD

<NYSDOH - NO ANALYTE DETECTED IN EXCEEDANCE OF NYSDOH MONITOR THRESHOLD

SOURCE: COLUMBIA BUILDINGS 4, 5 & 6
FLOOR DRAINS, SINK DRAINS & EQUIP. DRAINS
CHEMCO PHOTOPRODUCTS CO.
DATE: AUGUST 21, 87
COLUMBIA BUILDING SAMPLE LOCATIONS
FIGURE 3
PREFERRED ENVIRONMENTAL SERVICES
DATE: SEPTEMBER 11, 2011



120-D Wilbur Place
Bohemia, N. Y. 11716
Phone: (631) 567-1777

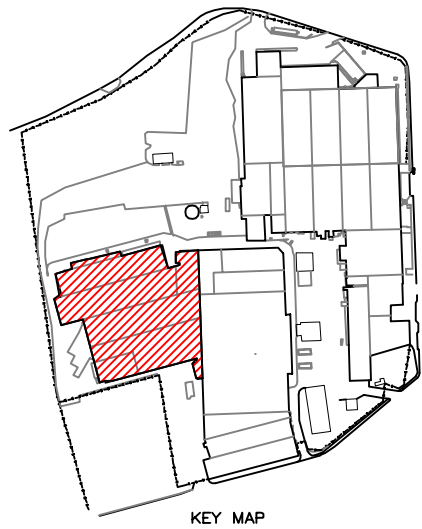
REV. NO.: 3	DRAWING DATE: 2/19/15	ACAD FILE: 85247 C456 AD 071813

COLUMBIA
BUILDINGS C4 AND C5
SAMPLE LOCATIONS

CLIENT: KONICA GRAPHIC IMAGING CO.		PM: DS	
LOCATION: GLEN COVE, NEW YORK		PE/RG:	
DESIGNED: SEE SOURCE	DETAILED: TS	PROJECT NO.: 85247	FIGURE: 4-21

X-REF:

DRAWING FILE LOCATION: P:\ACTIVE PROJECTS\...EQ NORTHEAST\85247.003 - KONICA RCR4 CLOSURE PLAN/DRAWINGS & CAD REPORT:



KEY MAP

C6-1 (0.5-1.0')	
VOCs	<USCO
SVOCs	<USCO
METALS	<USCO

C6-2 (0.5-1.0')	
VOCs	<USCO
SVOCs	<USCO
SILVER	14.8

C6-3 (0.5-1.0')	
VOCs	<USCO
SVOCs	<USCO
METALS	<USCO

C6-SILVERRM-SB-6 (37"-48")	
METALS	<USCO

C6-SILVERRM-SB-5 (14"-36")	
METALS	<USCO

C6-6 (0.5-1.0')	
VOCs	<USCO
SVOCs	<USCO
METALS	<USCO

C6-6 (3.0-3.5')	
VOCs	<USCO
SVOCs	<USCO
LEAD	64.0

C6-6 (7.0-7.5')	
VOCs	<USCO
SVOCs	<USCO
CHROMIUM	46.4

C6-SILVERRM-SB-1 (10"-20")	
SELENIUM	4.20

C6-SILVERRM-SB-1 (24"-36")	
VOCs	<USCO
METALS	<USCO

SS-8	
VOCs	<NYSDOH

C6-SILVERRM-SB-2 (24"-36")	
METALS	<USCO

C6-SILVERRM-SB-3 (24"-36")	
METALS	<USCO

C6-SILVERRM-SB-4 (27"-40")	
METALS	<USCO

C6-9 (1.0-1.5')	
VOCs	<USCO
SVOCs	<USCO
METALS	<USCO

C6-11 (1.0-1.5')	
VOCs	<USCO
SVOCs	<USCO
METALS	<USCO

C6-12 (1.0-1.5')	
VOCs	<USCO
SVOCs	<USCO
METALS	<USCO

C6-10 (1.0-1.5')	
VOCs	<USCO
SVOCs	<USCO
METALS	<USCO

C6-10 (1.5-2.0')	
VOCs	<USCO
SVOCs	<USCO
METALS	<USCO

C6-10 (4.0-4.5')	
VOCs	<USCO
SVOCs	<USCO
METALS	<USCO

C6-8 (1.0-1.5')	
VOCs	<USCO
SVOCs	<USCO
METALS	<USCO

C6-8 (4.5-5.0')	
ACETONE	0.31 B
BENZO(A)ANTHRACENE	1.4
BENZO(A)PYRENE	1.4
BENZO(B)FLUORANTHENE	1.9
CHRYSENE	1.4
INDENO(1,2,3-CD)PYRENE	0.53
MANGANESE	2,280

C6-8 (6.5-7.0')	
ACETONE	0.074 B
SVOCs	<USCO
METALS	<USCO

C6-5 (1.0-1.5')	
VOCs	<USCO
SVOCs	<USCO
METALS	<USCO

C6-7 (0.5-1.0')	
VOCs	<USCO
SVOCs	<USCO
METALS	<USCO

C6-4 (1.0-1.5')	
VOCs	<USCO
SVOCs	<USCO
METALS	<USCO

P2-5	
METALS	<USCO

SS-1	
TCA	2,200
PCE	980

COLUMBIA-C-6-P2-5-SB-2 (16"-33")	
ACETONE	0.085
BENZO(A)ANTHRACENE	4.45
BENZO(A)PYRENE	3.44
BENZO(B)FLUORANTHENE	2.80
BENZO(K)FLUORANTHENE	4.11
CHRYSENE	3.94
INDENO(1,2,3-CD)PYRENE	1.66
METALS	<USCO

SS-2	
VOCs	<NYSDOH

C6-16 (1.0-1.5')	
VOCs	<USCO
SVOCs	<USCO
METALS	<USCO

C6-17 (1.0-1.5')	
VOCs	<USCO
SVOCs	<USCO
METALS	<USCO

C6-17 (4.0-4.5')	
VOCs	<USCO
SVOCs	<USCO
METALS	<USCO

C6-17 (5.0-5.5')	
VOCs	<USCO
SVOCs	<USCO
METALS	<USCO

C6-13 (1.0-1.5')	
VOCs	<USCO
SVOCs	<USCO
LEAD	184

C6-13 (5.5-6.0')	
VOCs	<USCO
SVOCs	<USCO
METALS	<USCO

C6-13 (6.5-7.0')	
VOCs	<USCO
SVOCs	<USCO
METALS	<USCO

C6-13 (1.0-1.5')	
BENZO(A)ANTHRACENE	100
BENZO(A)PYRENE	88
BENZO(B)FLUORANTHENE	87
BENZO(K)FLUORANTHENE	31
CHRYSENE	97
DIBENZE(A,H)ANTHRACENE	13
DIBENZOFURAN	16 J
FLUORANTHENE	170
INDENO(1,2,3-CD)PYRENE	52
PHANANTHRENE	270
PYRENE	320
LEAD	136

SS-7	
VOCs	<NYSDOH

C6-PARTSSTORAGE-SB-2 (24"-36")	
VOCs	<USCO
SVOCs	<USCO
METALS	<USCO

C-6-PARTSSTORAGE-SB-3 (3'-4')	
XYLENES TOTAL	0.43
LEAD	108
SELENIUM	4.64
SILVER	11.3
ZINC	303
SVOCs *	<USCO

C-6-PARTSSTORAGE-SB-1 (24"-38")	
ARSENIC	14.6
COPPER	52.3
LEAD	69.7
VOCs	<USCO
SVOCs	<USCO

C-6-PARTSSTORAGE-SB-1 (60"-72")	
ACETONE	0.17
SVOCs	<USCO
METALS	<USCO

COLUMBIA-C-6-P2-5-SB-3 (12"-26")	
ACETONE	0.063
ZINC	152
SVOCs	<USCO

COLUMBIA-C-6-P2-5-SB-1 (12"-27")	
ACETONE	0.10
BENZO(A)ANTHRACENE	2.50
BENZO(A)PYRENE	2.24
BENZO(B)FLUORANTHENE	2.04
BENZO(K)FLUORANTHENE	2.43
CHRYSENE	2.47
DIBENZE(A,H)ANTHRACENE	0.487
INDENO(1,2,3-CD)PYRENE	1.25
METALS	<USCO

P2-5 (GROUNDWATER)	
COMPOUND	05/15/00
TRICHLOROETHENE	6
CIS 1,2-DICHLOROETHENE	ND
SODIUM	24,900
MANGANESE	415
IRON	NA
SVOCs	<TOG

C6-15 (1.0-1.5')	
VOCs	<USCO
SVOCs	<USCO
METALS	<USCO

C6-14 (1.0-1.5')	
VOCs	<USCO
SVOCs	<USCO
METALS	<USCO



- LEGEND**
- C4-1 SHALLOW SOIL BORING LOCATION
 - C4-2 DEEP SOIL BORING LOCATION
 - MONITORING WELL LOCATION
 - SOIL BORING LOCATION SAMPLED BY OTHERS
 - SUB-SLAB SOIL VAPOR SAMPLE LOCATION
 - FD FLOOR DRAIN
 - SINK
 - DRAIN PIPING
 - AST ON SITE
 - FENCE

DATA BOX LEGEND

SOIL

SAMPLE ID	ANALYTICAL RESULT MG/KG
C6-SILVERRM-SB-1	
SELENIUM	4.20
VOCs	<USCO

COMPOUND EXCEEDS UNRESTRICTED SCOs

<USCO - NO ANALYTE WAS DETECTED IN EXCEEDANCE OF ITS NYSDC UNRESTRICTED SOIL CLEANUP OBJECTIVE (SCO)

VOC - VOLATILE ORGANIC COMPOUND

SVOC - SEMI-VOLATILE ORGANIC COMPOUND

DATA BOX LEGEND

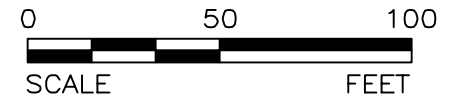
SUB-SLAB SOIL VAPOR

SAMPLE ID	ANALYTIC RESULT UG/MG3
SS-1	
TCA	2,200
VOCs	<NYSDOH

COMPOUND EXCEEDS NYSDOH MITIGATE THRESHOLD

<NYSDOH - NO ANALYTE DETECTED IN EXCEEDANCE OF NYSDOH MONITOR THRESHOLD

SOURCE: COLUMBIA BUILDINGS 4, 5 & 6
FLOOR DRAINS, SINK DRAINS & EQUIP. DRAINS
CHEMCO PHOTOPRODUCTS CO.
DATE: AUGUST 21, 87
COLUMBIA BUILDING SAMPLE LOCATIONS
FIGURE 3
PREFERRED ENVIRONMENTAL SERVICES
DATE: SEPTEMBER 11, 2011



120-D Wilbur Place
Bohemia, N. Y. 11716
Phone: (631) 567-1777

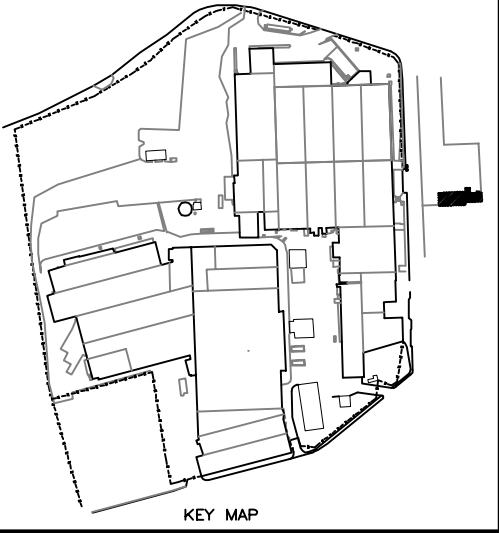
REV. NO.: 3
DRAWING DATE: 2/19/15
ACAD FILE: 85247 C456 AD 071813

COLUMBIA BUILDING C6 SAMPLE LOCATIONS

CLIENT:	KONICA GRAPHIC IMAGING CO.	PM:	DS
LOCATION:	GLEN COVE, NEW YORK	PE/RG:	
DESIGNED:	SEE SOURCE	PROJECT NO.:	85247
DETAILED:	TS	FIGURE:	4-22

X-REF:

DRAWING FILE LOCATION: P:\ACTIVE PROJECTS\...EQ NORTHEAST\85247.003 - KONICA RCRA CLOSURE PLAN/DRAWINGS & CAD REPORT: CAD REPORT:



KEY MAP

MAIN BUILDING

R & D BUILDING

NEW STREET
(CHARLES STREET)

B9-9 (0.5-1.0')		B9-9 (4.0-4.5')		B9-9 (7.5-8.0')	
VOCs	<USCO	VOCs	<USCO	VOCs	<USCO
SVOCs	<USCO	SVOCs	<USCO	SVOCs	<USCO
LEAD	102	METALS	<USCO	SILVER	3.3

B9-4 (0.5-1.0')		B9-4 (4.5-5.0')		B9-4 (7.5-8.0')	
VOCs	<USCO	VOCs	<USCO	VOCs	<USCO
SVOCs	<USCO	SVOCs	<USCO	SVOCs	<USCO
METALS	<USCO	METALS	<USCO	METALS	<USCO

ANNEX-SB-2 (6'-20")	
VOCs	<USCO
SVOCs	<USCO

B9-3 (0.5-1.0')	
VOCs	<USCO
SVOCs	<USCO
METALS	<USCO

B9-1 (0.5-1.0')	
VOCs	<USCO
SVOCs	<USCO
LEAD	72.1

B9-2 (0.5-1.0')	
VOCs	<USCO
SVOCs	<USCO
METALS	<USCO

ANNEX-SB-8 (7'-9')	
VOCs	<USCO
SVOCs	<USCO

B9-6 (0.5-1.0')	
VOCs	<USCO
SVOCs	<USCO
METALS	<USCO

B9-7 (0.5-1.0')		B9-7 (4.0-4.5')		B9-7 (7.0-7.5')	
VOCs	<USCO	VOCs	<USCO	VOCs	<USCO
SVOCs	<USCO	SVOCs	<USCO	SVOCs	<USCO
METALS	<USCO	METALS	<USCO	METALS	<USCO

B9-8 (0.5-1.0')	
VOCs	<USCO
SVOCs	<USCO
METALS	<USCO

B9-10 (0.5-1.0')	
VOCs	<USCO
SVOCs	<USCO
METALS	<USCO

B9-5 (0.5-1.0')	
VOCs	<USCO
SVOCs	<USCO
LEAD	919

- LEGEND**
- B9-8 SHALLOW SOIL BORING LOCATION
 - B9-9 DEEP SOIL BORING LOCATION
 - SOIL BORING LOCATION BY OTHERS
 - CB
 - FENCE

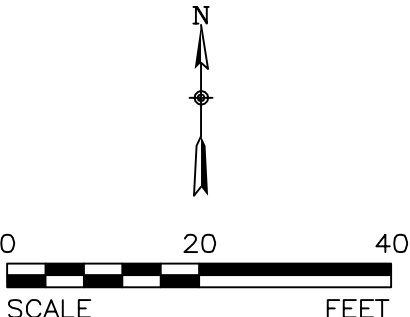
DATA BOX LEGEND

SAMPLE ID	ANALYTICAL RESULT MG/KG
ANNEX-SB-2 (6'-20")	
SVOCs	<USCO
VOCs	<USCO

COMPOUND EXCEEDS SCOs

<USCO - NO ANALYTE WAS DETECTED IN EXCEEDANCE OF ITS NYSDEC UNRESTRICTED SOIL CLEANUP OBJECTIVE (SCO) OR GUIDANCE VALUES.
VOC - VOLATILE ORGANIC COMPOUND
SVOC - SEMI-VOLATILE ORGANIC COMPOUND

SOURCE: MAIN BUILDING FIRST FLOOR
113-8-23X
KONICA GRAPHIC IMAGING USA, INC.
DATE: AUGUST 9, 2002
GOOGLE EARTH



APEX 120-D Wilbur Place
Bohemia, N. Y. 11716
Phone: (631) 567-1777

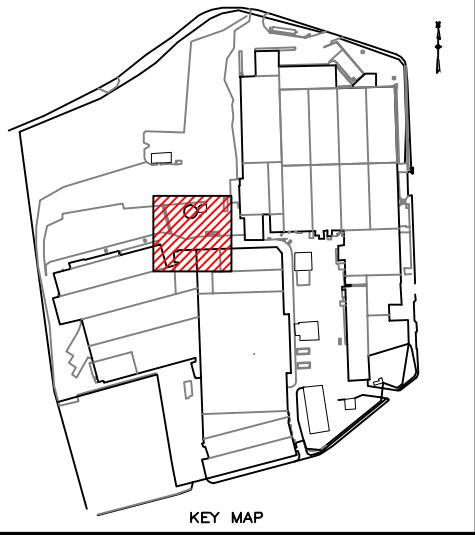
REV. NO.: 1 DRAWING DATE: 2/19/15 ACAD FILE: 85247 BLDG 9 SL

**BUILDING NO. 9 (ANNEX)
SAMPLE LOCATIONS**

CLIENT:	KONICA GRAPHIC IMAGING CO.	PM:	DS
LOCATION:	71 CHARLES STREET GLEN COVE, NEW YORK	PE/RG:	
DESIGNED:	SEE SOURCE	DETAILED:	TS
PROJECT NO.:	85247	FIGURE:	4-23

X-REF:

DRAWING FILE LOCATION: P:\ACTIVE PROJECTS\...EQ NORTHEAST\B5247.003 - KONICA RCRA CLOSURE PLAN/DRAWINGS & CAD REPORT:



KEY MAP

WT-3 (0.5-1.0')		WT-3 (2.0-3.0')		WT-3 (4.0-5.0')	
METALS	<USCO	METALS	<USCO	METALS	<USCO

WT-7 (0.5-1.0')		WT-7 (2.0-3.0')		WT-7 (4.0-5.0')	
BARIUM	616	METALS	<USCO	METALS	<USCO
CHROMIUM	135				
NICKEL	56.2				

WT-6 (0.5-1.0')		WT-6 (2.0-3.0')		WT-6 (4.0-5.0')	
METALS	<USCO	METALS	<USCO	METALS	<USCO

N DRIVE-WATER TANK-SB-2 (0-6")	
COPPER	114
LEAD	1,090
ZINC	264

WT-1 (0.5-1.0')		WT-1 (2.0-3.0')		WT-1 (4.0-5.0')	
METALS	<USCO	ARSENIC	15.1	METALS	<USCO
		LEAD	123		
		MERCURY	0.21		

WT-2 (0.5-1.0')		WT-2 (2.0-3.0')		WT-2 (4.0-5.0')	
LEAD	133	METALS	<USCO	METALS	<USCO
ZINC	1,010				

WT-4 (0.5-1.0')		WT-4 (2.0-3.0')		WT-4 (4.0-5.0')	
CHROMIUM	33.5	COPPER	54.2	METALS	<USCO
LEAD	130				
ZINC	894				

WT-5 (0.5-1.0')		WT-5 (2.0-3.0')		WT-5 (4.0-5.0')	
ARSENIC	17.6	METALS	<USCO	METALS	<USCO
CHROMIUM	204				
COPPER	249				
LEAD	4,210				
NICKEL	119				
ZINC	327				

WT-8 (0.5-1.0')		WT-8 (2.0-3.0')		WT-8 (4.0-5.0')	
ARSENIC	30.9	ARSENIC	18.1	METALS	<USCO
LEAD	72.4	LEAD	91.2		
		ZINC	149		

WT-9 (0.5-1.0')		WT-9 (2.0-3.0')		WT-9 (4.0-5.0')	
LEAD	72.3	LEAD	67.7	METALS	<USCO

N DRIVE-WATER TANK-SB-4 (0-6")	
COPPER	369
LEAD	1,690
NICKEL	120
SELENIUM	4.25
ZINC	239

WT-10 (0.5-1.0')		WT-10 (2.0-3.0')		WT-10 (4.0-5.0')	
METALS	<USCO	METALS	<USCO	CHROMIUM	35.2

- LEGEND**
- C4-2 DEEP SOIL BORING LOCATION
 - MONITORING WELL LOCATION
 - SOIL BORING LOCATION SAMPLED BY OTHERS

DATA BOX LEGEND

SOIL

SAMPLE ID: C6-SILVERRM-SB-1

ANALYTICAL RESULT MG/KG:

SELENIUM	4.20
VOCs	<USCO

COMPOUND EXCEEDS UNRESTRICTED SCOs

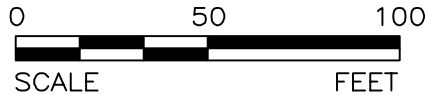
<USCO - NO ANALYTE WAS DETECTED IN EXCEEDANCE OF ITS NYSDEC UNRESTRICTED SOIL CLEANUP OBJECTIVE (SCO)

VOC - VOLATILE ORGANIC COMPOUND

SVOC - SEMI-VOLATILE ORGANIC COMPOUND

SOURCE: COLUMBIA BUILDINGS 4, 5 & 6
FLOOR DRAINS, SINK DRAINS & EQUIP. DRAINS
CHEMCO PHOTOPRODUCTS CO.
DATE: AUGUST 21, 87

COLUMBIA BUILDING SAMPLE LOCATIONS
FIGURE 3
PREFERRED ENVIRONMENTAL SERVICES
DATE: SEPTEMBER 11, 2011



120-D Wilbur Place
Bohemia, N. Y. 11716
Phone: (631) 567-1777

REV. NO.: 3
DRAWING DATE: 3/21/15
ACAD FILE: 85247 WATER_TANK 090213

**NORTH LOT AREA WATER TANK
SAMPLE LOCATIONS**

CLIENT: KONICA GRAPHIC IMAGING CO.	PM: DS
LOCATION: GLEN COVE, NEW YORK	PE/RG:
DESIGNED: SEE SOURCE	DETAILED: TS
PROJECT NO.: 85247	FIGURE: 4-24

X-REF:

DRAWING FILE LOCATION: P:\ACTIVE PROJECTS\...EQ NORTHEAST\85247.DWG - KONICA RCRA CLOSURE PLAN/DRAWINGS & CAD REPORT:

MWR-17		
COMPOUND	SEPT. 2014	
	T	D
MANGANESE	481	357
SODIUM	49,100	44,200
TCL VOCs	<TOGS	NA
TCL SVOCs	<TOGS	NA

MWR-12		
COMPOUND	SEPT. 2014	
	T	D
IRON	1,190	<TOGS
MANGANESE	565	541
SODIUM	26,300	27,000
TCL VOCs	<TOGS	NA
TCL SVOCs	<TOGS	NA

MWR-11		
COMPOUND	SEPT. 2014	
	T	D
CADMIUM	6.1	<TOGS
IRON	11,700	5,630
MANGANESE	1,140	977
SODIUM	57,100	47,700
TCL VOCs	<TOGS	NA
TCL SVOCs	<TOGS	NA

MWR-13		
COMPOUND	SEPT. 2014	
	T	D
IRON	1,870	<TOGS
MANGANESE	445	332
SODIUM	29,206	28,600
TCL VOCs	<TOGS	NA
TCL SVOCs	<TOGS	NA

MWNL-01		
COMPOUND	SEPT. 2014	
	T	D
MAGNESIUM	149,000	146,000
MANGANESE	1,890	1,730
NICKEL	189	178
SODIUM	46,000	45,400
TCL VOCs	<TOGS	NA
TCL SVOCs	<TOGS	NA

MWR-10		
COMPOUND	SEPT. 2014	
	T	D
IRON	5,110	<TOGS
MAGNESIUM	40,400	40,400
MANGANESE	2,290	2,130
SODIUM	68,800	71,300
TCL VOCs	<TOGS	NA
TCL SVOCs	<TOGS	NA

P2-1*		
COMPOUND	SEPT. 2014	
	T	D
SODIUM	43,500	42,300
TCL VOCs	<TOGS	NA
TCL SVOCs	<TOGS	NA

MWR-16		
COMPOUND	SEPT. 2014	
	T	D
IRON	2,090	1,530
MANGANESE	3,050	2,870
SODIUM	69,700	65,900
TCL VOCs	<TOGS	NA
TCL SVOCs	<TOGS	NA

MWR-15		
COMPOUND	SEPT. 2014	
	T	D
MANGANESE	662	633
SODIUM	78,600	79,600
TCL VOCs	<TOGS	NA
TCL SVOCs	<TOGS	NA

MWR-14		
COMPOUND	SEPT. 2014	
	T	D
MANGANESE	995	914
1,1,2-TRICHLOROETHANE	12	NA
TCL SVOCs	<TOGS	NA

LEGEND

- NEWLY INSTALLED WELLS
- EXISTING WELLS
- 57.56' WELL ELEVATION (AMSL)

30' POTENTIOMETRIC WATER TABLE CONTOUR LINES

* NOTE THAT THIS EXISTING WELL APPEARS TO HAVE BEEN INSTALLED WITHIN THE SHALLOW PERCHED ZONE; THEREFOR, THIS DATUM WAS NOT UTILIZED.

DATA BOX LEGEND

SAMPLE ID	TOTAL OR DISSOLVED		
	DATE SAMPLED		
P2-1	05/15/00	10/07/11	10/07/11
	T	T	D
COMPOUND			
IRON	510	2,920	2,920
TCL VOCs	<TOGS	NA	NA
TCL SVOCs	<TOGS	<TOGS	NA

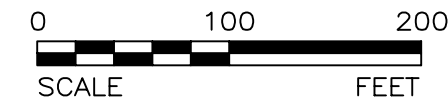
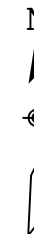
ANALYTICAL RESULTS UG/L

COMPOUND EXCEEDS NYSDEC CLASS GA STANDARD OR GUIDANCE VALUE.

<TOG: NONE OF THE INDICATED ANALYTES WERE DETECTED IN EXCEEDANCE OF NYSDEC CLASS GA STANDARD OR GUIDANCE VALUE.

NA: NOT ANALYZED FOR SPECIFIC CONTAMINANT.
VOC: VOLATILE ORGANIC COMPOUND
SVOC: SEMI-VOLATILE ORGANIC COMPOUND

SOURCE: NASSAU COUNTY LAND AND TAX MAP
SEC. 31, BLOCK G, LOTS 3, 5, 13, 213, 227, 230 & 231
SIDNEY B. BOWNE & SONS
DATE: SEPT. 2, 1994



120-D Wilbur Place
Bohemia, N. Y. 11716
Phone: (631) 567-1777

REV. NO.: 2
DRAWING DATE: 7/21/15
ACAD FILE: EQNRTH1301.01pp

POTENTIOMETRIC WATER SURFACE ELEVATION MAP

CLIENT:	KONICA GRAPHIC IMAGING CO.	PM:	DS
LOCATION:	GLEN COVE, NEW YORK		PE/RG:
DESIGNED:	SEE SOURCE	PROJECT NO.:	85247
DETAILED:	TS	FIGURE:	5-1

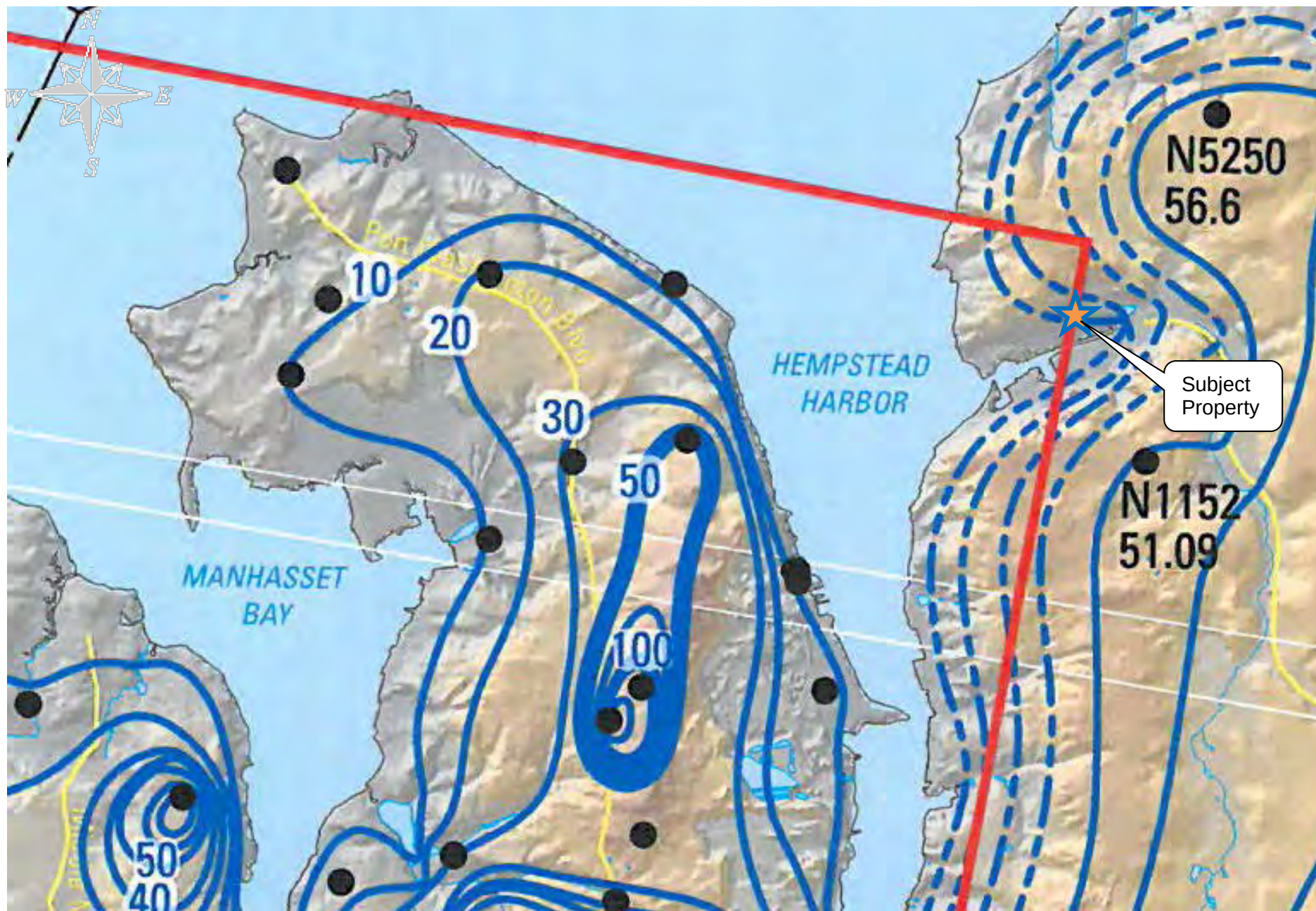
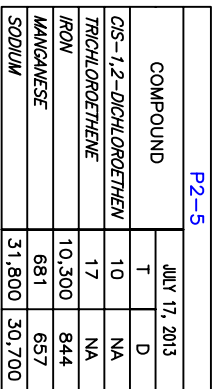


Figure 5-2
USGS 2006 Potentiometric Surface Map for the Upper
Glacial Aquifer



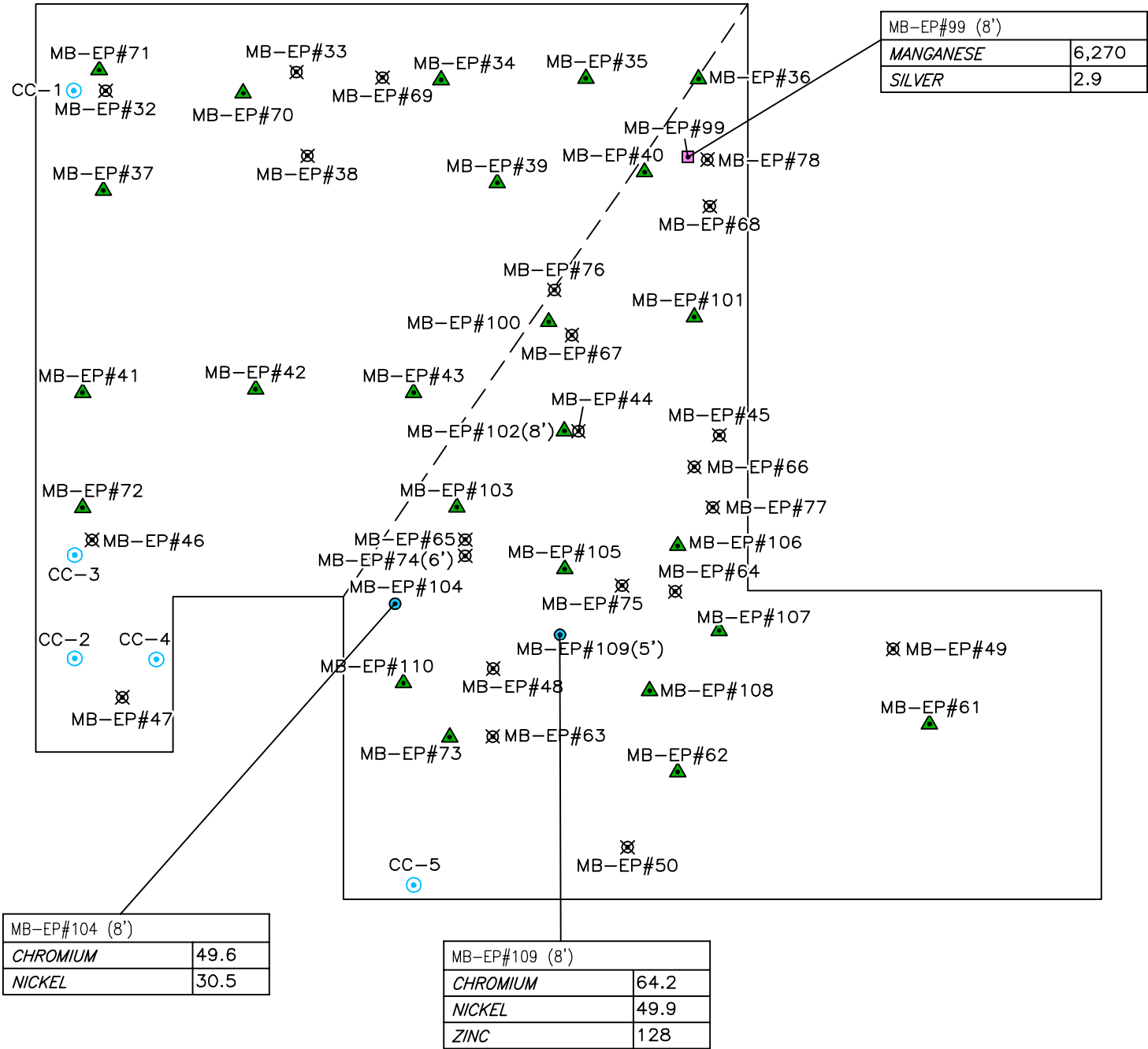
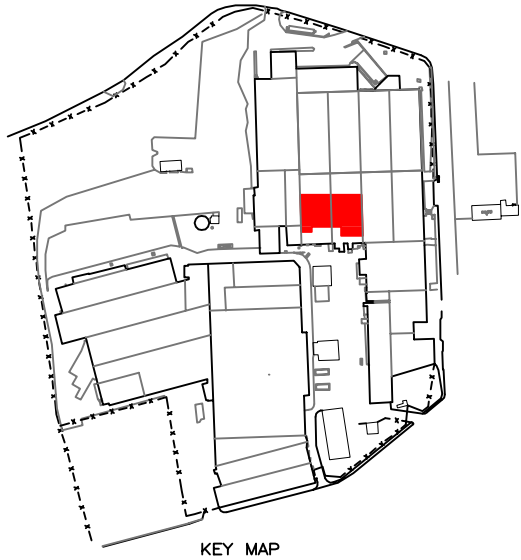
P2-1		
COMPOUND	JULY 17, 2013	
	T	D
IRON	1,770	<106
MANGANESE	774	662
SODIUM	93,000	95,400

SEC. 31, BLOCK 6, LOIS 3, 5, 13, 213, 221, 230 & 231
SIDNEY B. BOWNE & SONS
DATE: SEPT. 2, 1994

X-REF:

REPORT:

DRAWING FILE LOCATION: A:\Dropbox\Apex\EQNRTH1301.001_RPT Glencove, NY\EQNRTH1301.01R.dwg



LEGEND

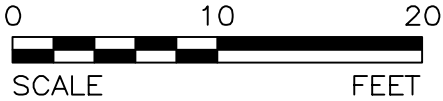
- ENDPOINT SAMPLE LOCATION
- ENDPOINT SAMPLE LOCATION WHICH HAS BEEN REMEDIATED
- ENDPOINT SAMPLE LOCATION
- ENDPOINT SAMPLE LOCATION
- ENDPOINT SAMPLE LOCATION
- SOIL BORING LOCATION

DATA BOX LEGEND

SAMPLE ID	ANALYTICAL RESULT	MG/KG
MB-EP#99 (8')	MANGANESE	6,270
	SILVER	2.9

COMPOUND EXCEEDS SCOs

- EXTENT OF EXCAVATION
- GREEN/ITALICIZED VALUE INDICATES ANALYTE EXCEEDED ITS RESPECTIVE UNRESTRICTED SCO BUT WAS BELOW ITS RESPECTIVE RESIDENTIAL/PROTECTION OF GW SCO, WHICHEVER IS LOWER.
- BLUE/ITALICIZED VALUE INDICATES ANALYTE EXCEEDED ITS RESPECTIVE RESIDENTIAL SCOs AND/OR PROTECTION OF GROUNDWATER SCO BUT WAS BELOW ITS RESTRICTED RESIDENTIAL SCO.
- PINK/ITALICIZED VALUE INDICATES ANALYTE EXCEEDED ITS RESPECTIVE RESIDENTIAL SCOs AND/OR PROTECTION OF GROUNDWATER SCO BUT WAS BELOW ITS COMMERCIAL SCO OR CONCENTRATION APPROVED BY NYSDEC

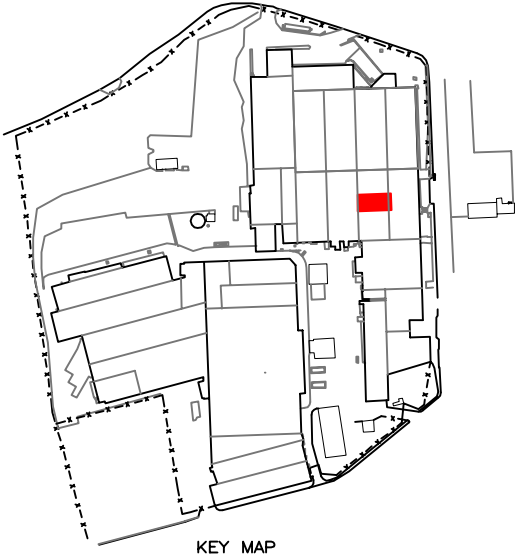


120-D Wilbur Place
Bohemia, N. Y. 11716
Phone: (631) 567-1777

REV. NO.:	DRAWING DATE:	ACAD FILE:
1	7/22/15	EQNRTH1301.01R

**FORMER MAIN BUILDING BASEMENT
MB-2/3/14/15/16/17 / CC-2/3/4/5
ORIGINAL SAMPLE LOCATION**

CLIENT: KONICA GRAPHIC IMAGING CO.			PM: D
LOCATION: 71 CHARLES STREET GLEN COVE, NEW YORK			PE/R
DESIGNED: SEE SOURCE	DETAILED: DH	PROJECT NO.: EQNRTH1301.001	FIGURE: 6-

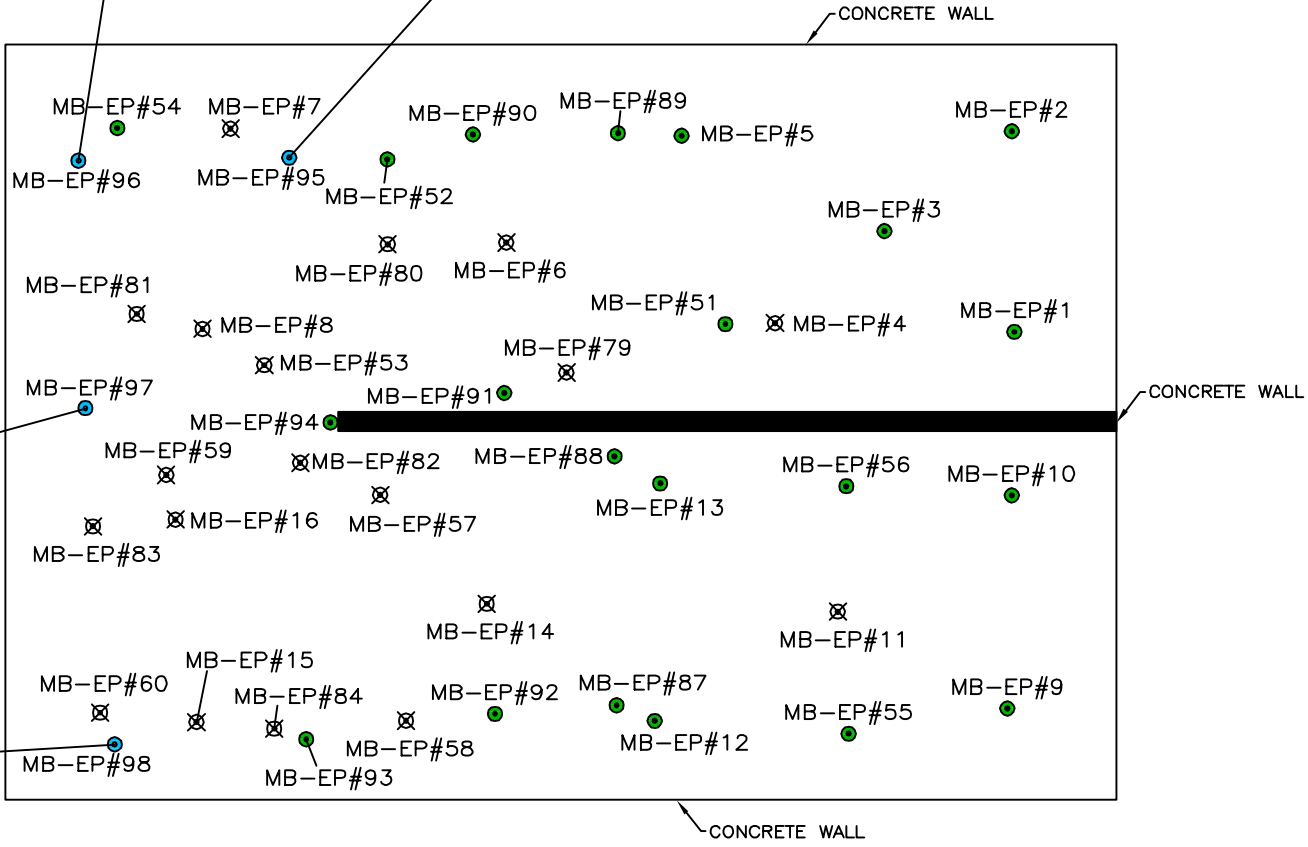


MB-EP#97 (8')	
CHROMIUM	63.8
NICKEL	44.4

MB-EP#98 (8')	
BARIUM	368
CHROMIUM	70.7
COPPER	53.7
MANGANESE	1,860
NICKEL	60.2
ZINC	138

MB-EP#96 (8')	
CHROMIUM	73.2
COPPER	55.4
NICKEL	56.5
ZINC	143

MB-EP#95 (8')	
CHROMIUM	53.2
NICKEL	43.4



LEGEND

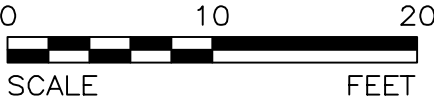
- Endpoint sample location
- Endpoint sample location which has been remediated
- Endpoint sample location
- Endpoint sample location
- Endpoint sample location

DATA BOX LEGEND

SAMPLE ID	ANALYTICAL RESULT MG/KG
MB-EP#95 (8')	
CHROMIUM	53.2
NICKEL	43.4

COMPOUND EXCEEDS SCOs

- EXTENT OF EXCAVATION
- GREEN/ITALICIZED VALUE INDICATES ANALYTE EXCEEDED ITS RESPECTIVE UNRESTRICTED SCO BUT WAS BELOW ITS RESPECTIVE RESIDENTIAL/PROTECTION OF GW SCO, WHICHEVER IS LOWER.
- BLUE/ITALICIZED VALUE INDICATES ANALYTE EXCEEDED ITS RESPECTIVE RESIDENTIAL SCOs AND/OR PROTECTION OF GROUNDWATER SCO BUT WAS BELOW ITS RESTRICTED RESIDENTIAL SCO.
- PINK/ITALICIZED VALUE INDICATES ANALYTE EXCEEDED ITS RESPECTIVE RESIDENTIAL SCOs AND/OR PROTECTION OF GROUNDWATER SCO BUT WAS BELOW ITS COMMERCIAL SCO OR CONCENTRATION APPROVED BY NYSDEC



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Bohemia, N. Y. 11716
Phone: (631) 567-1777

REV. NO.: 1	DRAWING DATE: 3-21-15	ACAD FILE: EQNRTH1301.01S

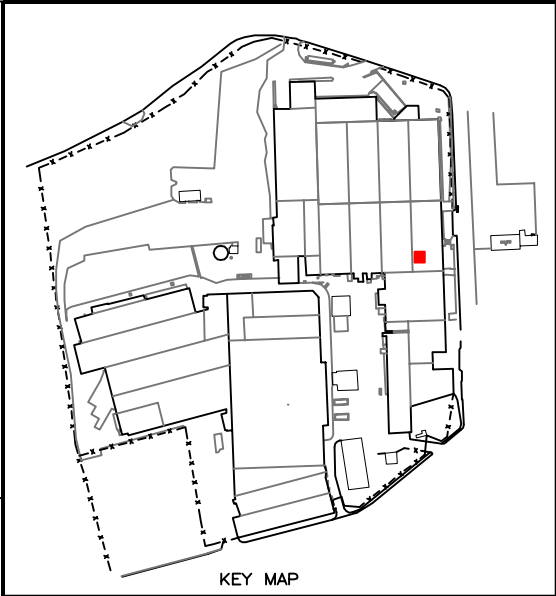
FORMER MAIN BUILDING BASEMENT
MB-22 ORIGINAL SAMPLE LOCATION

CLIENT: KONICA GRAPHIC IMAGING CO.			PM: DS
LOCATION: 71 CHARLES STREET GLEN COVE, NEW YORK			PE/RG:
DESIGNED: SEE SOURCE	DETAILED: DH	PROJECT NO.: EQNRTH1301.001	FIGURE: 6-

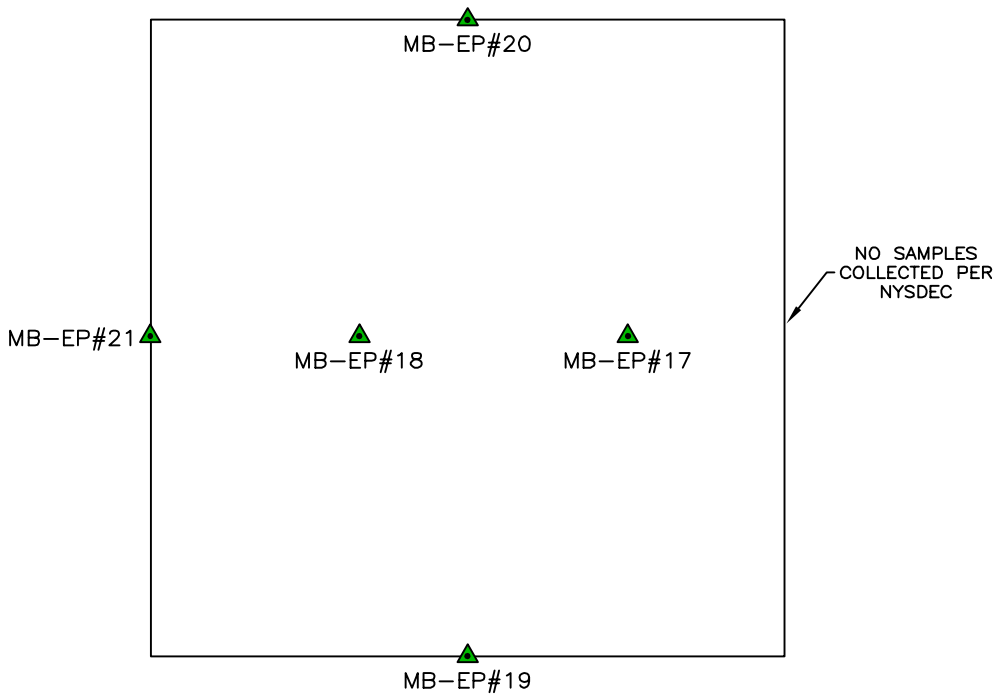
X-REF:

REPORT:

DRAWING FILE LOCATION: A:\Dropbox\Apex\EQNRTH1301.001_RPT Glencove, NY\EQNRTH1301.01T.dwg



KEY MAP



LEGEND

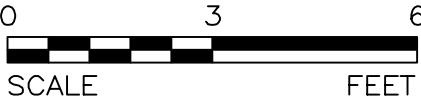
- Endpoint Sample Location (blue circle with dot)
- Endpoint Sample Location Which Has Been Remediated (circle with cross)
- Endpoint Sample Location (green triangle)
- Endpoint Sample Location (green circle with cross)
- Endpoint Sample Location (pink square)

DATA BOX LEGEND

SAMPLE ID	ANALYTICAL RESULT MG/KG	
B9-EP#19 (1')		
LEAD		1,340
SILVER		1,940

COMPOUND EXCEEDS SCOs

- Extent of Excavation (red square)
- Green/italicized value indicates analyte exceeded its respective unrestricted SCO but was below its respective residential/protection of GW SCO, whichever is lower.
- Blue/italicized value indicates analyte exceeded its respective residential SCOs and/or protection of groundwater SCO but was below its restricted residential SCO.
- Pink/italicized value indicates analyte exceeded its respective residential SCOs and/or protection of groundwater SCO but was below its commercial SCO or concentration approved by NYSDEC.

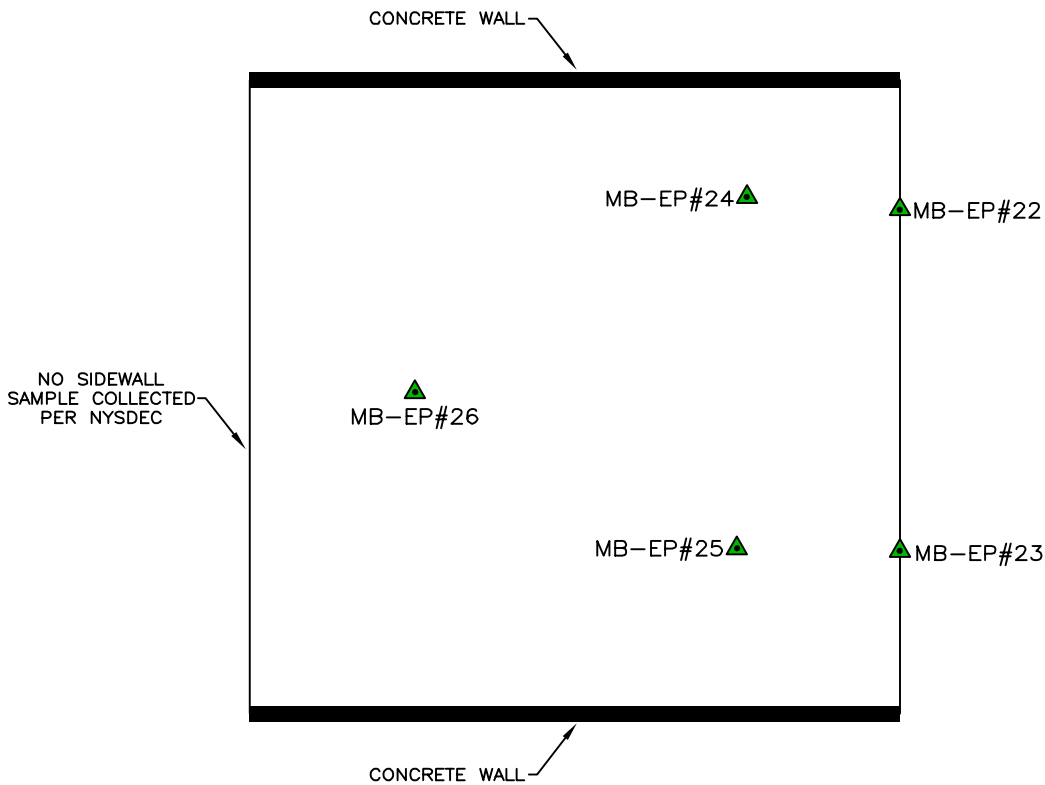
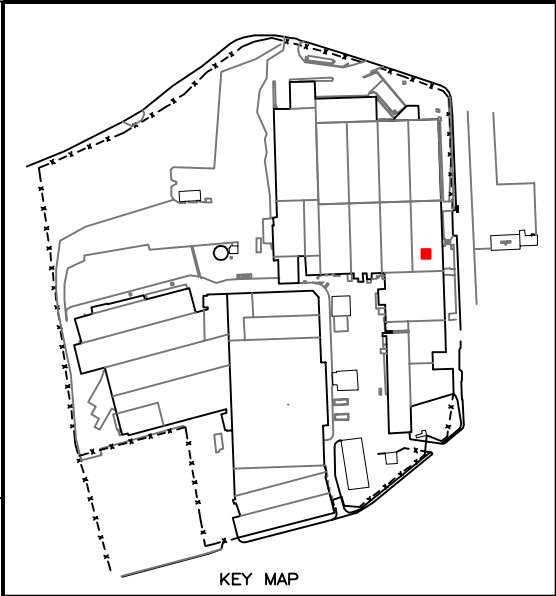


120-D Wilbur Place
Bohemia, N. Y. 11716
Phone: (631) 567-1777

REV. NO.: 1	DRAWING DATE: 3/21/15	ACAD FILE: EQNRTH1301.01T

MAIN BUILDING BASEMENT
MB-26 ORIGINAL SAMPLE LOCATION

CLIENT: KONICA GRAPHIC IMAGING CO.		PM: DS	
LOCATION: 71 CHARLES STREET GLEN COVE, NEW YORK		PE/RG:	
DESIGNED: SEE SOURCE	DETAILED: DH	PROJECT NO.: EQNRTH1301.001	FIGURE: 6-3



LEGEND

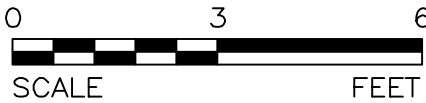
- ENDPOINT SAMPLE LOCATION
- ENDPOINT SAMPLE LOCATION WHICH HAS BEEN REMEDIATED
- ENDPOINT SAMPLE LOCATION
- ENDPOINT SAMPLE LOCATION
- ENDPOINT SAMPLE LOCATION

DATA BOX LEGEND

SAMPLE ID	ANALYTICAL RESULT MG/KG	
B9-EP#19 (1')		
LEAD		1,340
SILVER		1,940

COMPOUND EXCEEDS SCOs

- EXTENT OF EXCAVATION
- GREEN/ITALICIZED VALUE INDICATES ANALYTE EXCEEDED ITS RESPECTIVE UNRESTRICTED SCO BUT WAS BELOW ITS RESPECTIVE RESIDENTIAL/PROTECTION OF GW SCO, WHICHEVER IS LOWER.
- BLUE/ITALICIZED VALUE INDICATES ANALYTE EXCEEDED ITS RESPECTIVE RESIDENTIAL SCOs AND/OR PROTECTION OF GROUNDWATER SCO BUT WAS BELOW ITS RESTRICTED RESIDENTIAL SCO.
- PINK/ITALICIZED VALUE INDICATES ANALYTE EXCEEDED ITS RESPECTIVE RESIDENTIAL SCOs AND/OR PROTECTION OF GROUNDWATER SCO BUT WAS BELOW ITS COMMERCIAL SCO OR CONCENTRATION APPROVED BY NYSDEC

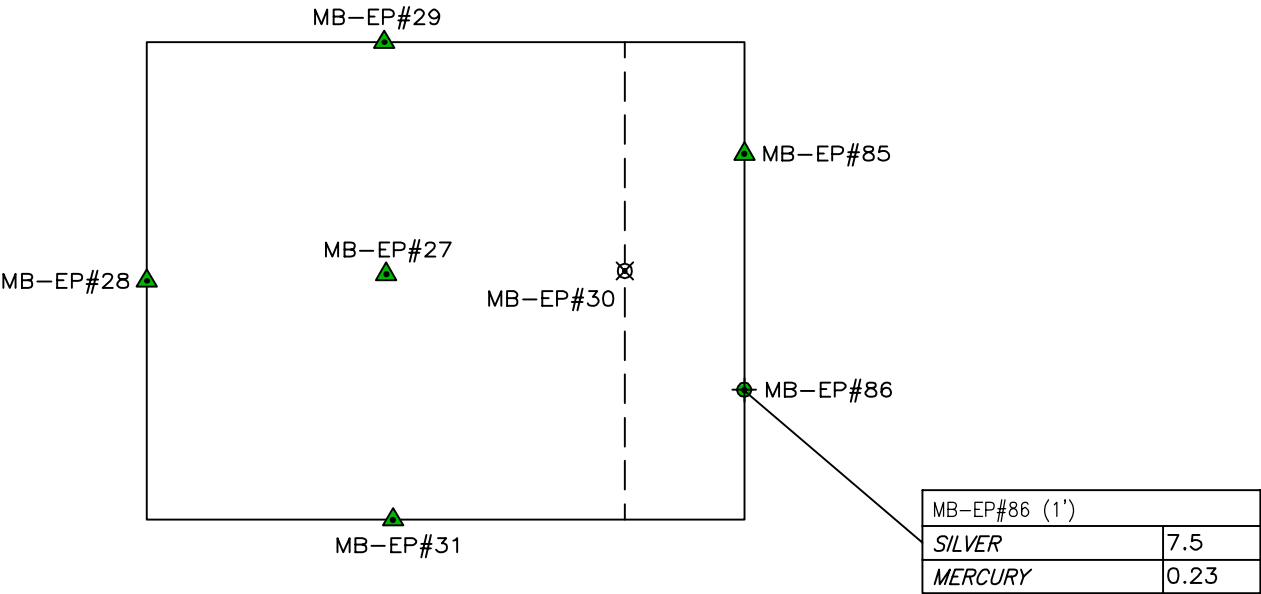
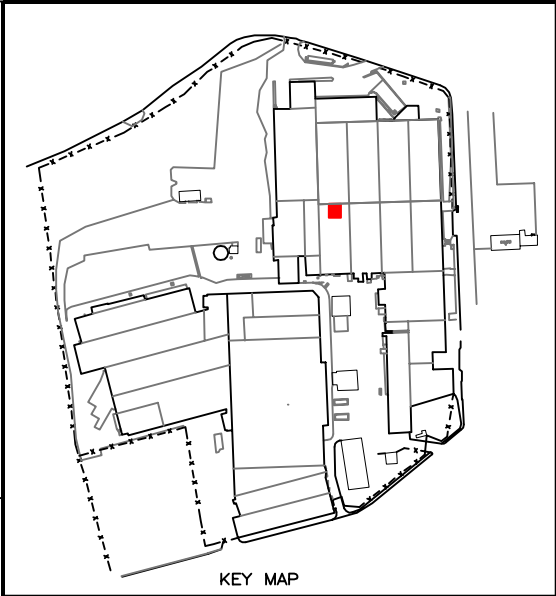


120-D Wilbur Place
Bohemia, N. Y. 11716
Phone: (631) 567-1777

REV. NO.: 1	DRAWING DATE: 3/21/15	ACAD FILE: EQNRTH1301.01U

FORMER MAIN BUILDING BASEMENT
MB-27 ORIGINAL SAMPLE LOCATION

CLIENT: KONICA GRAPHIC IMAGING CO.			PM: DS
LOCATION: 71 CHARLES STREET GLEN COVE, NEW YORK			PE/RG:
DESIGNED: SEE SOURCE	DETAILED: DH	PROJECT NO.: EQNRTH1301.001	FIGURE: 6-



LEGEND

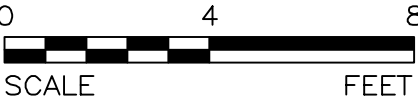
- ENDPOINT SAMPLE LOCATION
- ENDPOINT SAMPLE LOCATION WHICH HAS BEEN REMEDIATED
- ENDPOINT SAMPLE LOCATION
- ENDPOINT SAMPLE LOCATION
- ENDPOINT SAMPLE LOCATION

DATA BOX LEGEND

SAMPLE ID	ANALYTICAL RESULT MG/KG	
MB-EP#86 (1')		
	SILVER	7.5
	MERCURY	0.23

COMPOUND EXCEEDS SCOs

- EXTENT OF EXCAVATION
- APPROXIMATE LIMIT OF SUPPLEMENTAL EXCAVATION
- GREEN/ITALICIZED VALUE INDICATES ANALYTE EXCEEDED ITS RESPECTIVE UNRESTRICTED SCO BUT WAS BELOW ITS RESPECTIVE RESIDENTIAL/PROTECTION OF GW SCO, WHICHEVER IS LOWER.
- BLUE/ITALICIZED VALUE INDICATES ANALYTE EXCEEDED ITS RESPECTIVE RESIDENTIAL SCOS AND/OR PROTECTION OF GROUNDWATER SCO BUT WAS BELOW ITS RESTRICTED RESIDENTIAL SCO.
- PINK/ITALICIZED VALUE INDICATES ANALYTE EXCEEDED ITS RESPECTIVE RESIDENTIAL SCOS AND/OR PROTECTION OF GROUNDWATER SCO BUT WAS BELOW ITS COMMERCIAL SCO OR CONCENTRATION APPROVED BY NYSDEC



120-D Wilbur Place
Bohemia, N. Y. 11716
Phone: (631) 567-1777

REV. NO.: 1	DRAWING DATE: 2/19/15	ACAD FILE: EQNRTH1301.01V

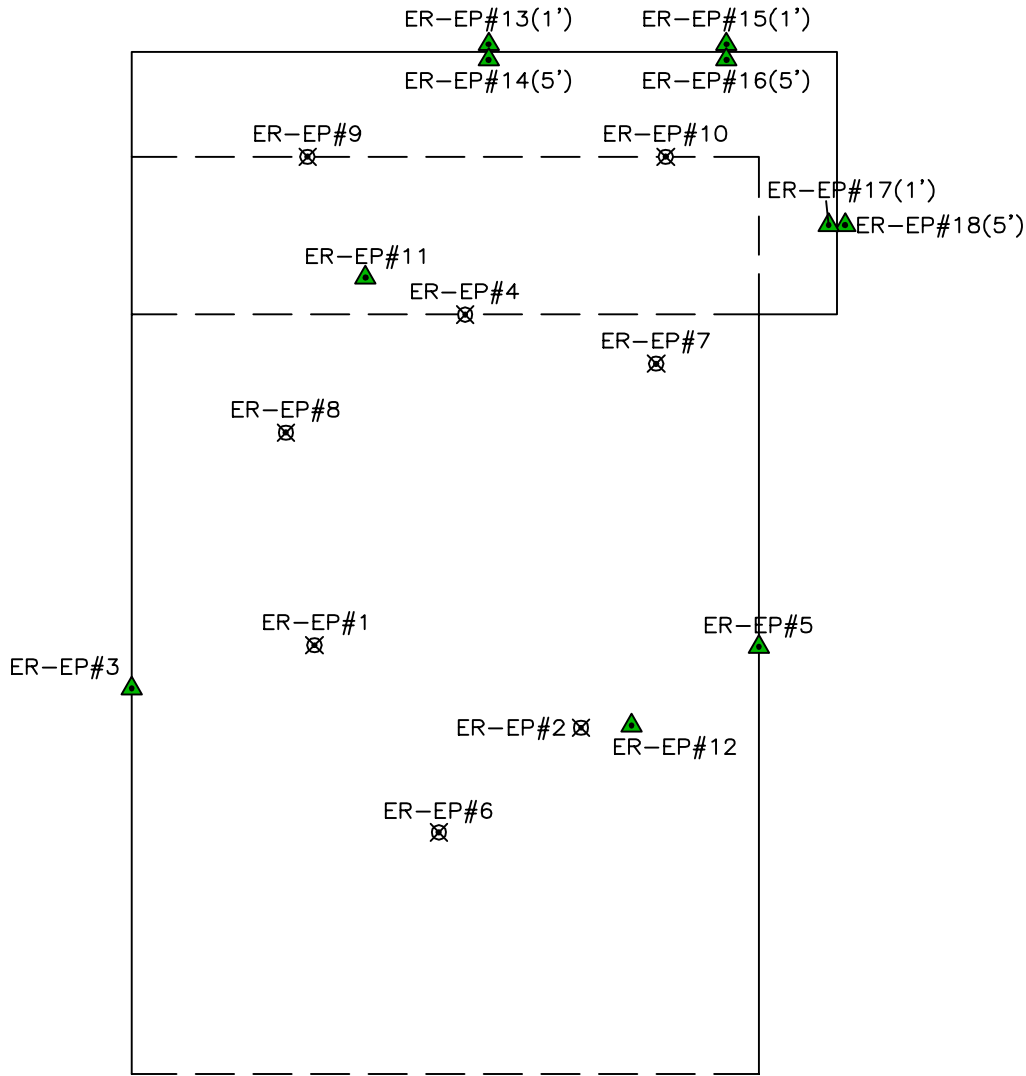
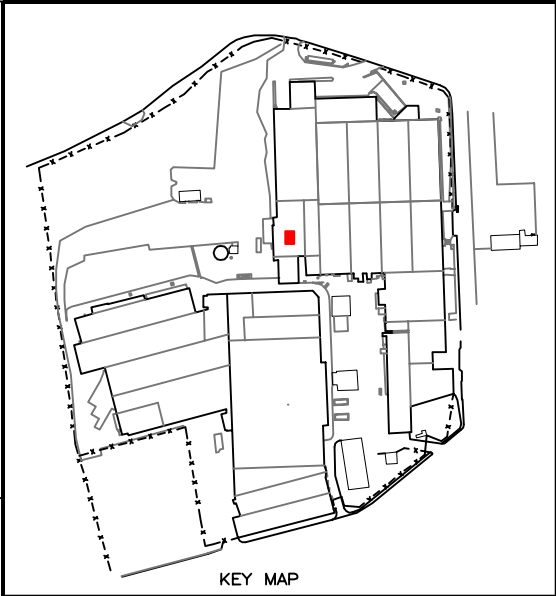
FORMER MAIN BUILDING BASEMENT
MB-31 ORIGINAL SAMPLE LOCATION

CLIENT: KONICA GRAPHIC IMAGING CO.		PM: DS	
LOCATION: 71 CHARLES STREET GLEN COVE, NEW YORK		PE/RG:	
DESIGNED: SEE SOURCE	DETAILED: DH	PROJECT NO.: EQNRTH1301.001	FIGURE: 6-5

X-REF:

REPORT:

DRAWING FILE LOCATION: A:\Dropbox\Apex\EQNRTH1301.001_RPT Glencove, NY\EQNRTH1301.01N.dwg



OPEN TO FORMER TANK #9 EXCAVATION,
NO SAMPLES REQUIRED PER NYSDEC



LEGEND

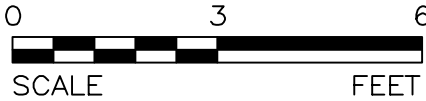
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- ENDPOINT SAMPLE LOCATION

DATA BOX LEGEND

SAMPLE ID	ANALYTICAL RESULT	MG/KG
B9-EP#19 (1')	LEAD	1,340
	SILVER	1,940

COMPOUND EXCEEDS SCOs

- EXTENT OF EXCAVATION
- APPROXIMATE LIMIT OF SUPPLEMENTAL EXCAVATION
- GREEN/ITALICIZED VALUE INDICATES ANALYTE EXCEEDED ITS RESPECTIVE UNRESTRICTED SCO BUT WAS BELOW ITS RESPECTIVE RESIDENTIAL/PROTECTION OF GW SCO, WHICHEVER IS LOWER.
- BLUE/ITALICIZED VALUE INDICATES ANALYTE EXCEEDED ITS RESPECTIVE RESIDENTIAL SCOS AND/OR PROTECTION OF GROUNDWATER SCO BUT WAS BELOW ITS RESTRICTED RESIDENTIAL SCO.
- PINK/ITALICIZED VALUE INDICATES ANALYTE EXCEEDED ITS RESPECTIVE RESIDENTIAL SCOS AND/OR PROTECTION OF GROUNDWATER SCO BUT WAS BELOW ITS COMMERCIAL SCO OR CONCENTRATION APPROVED BY NYSDEC

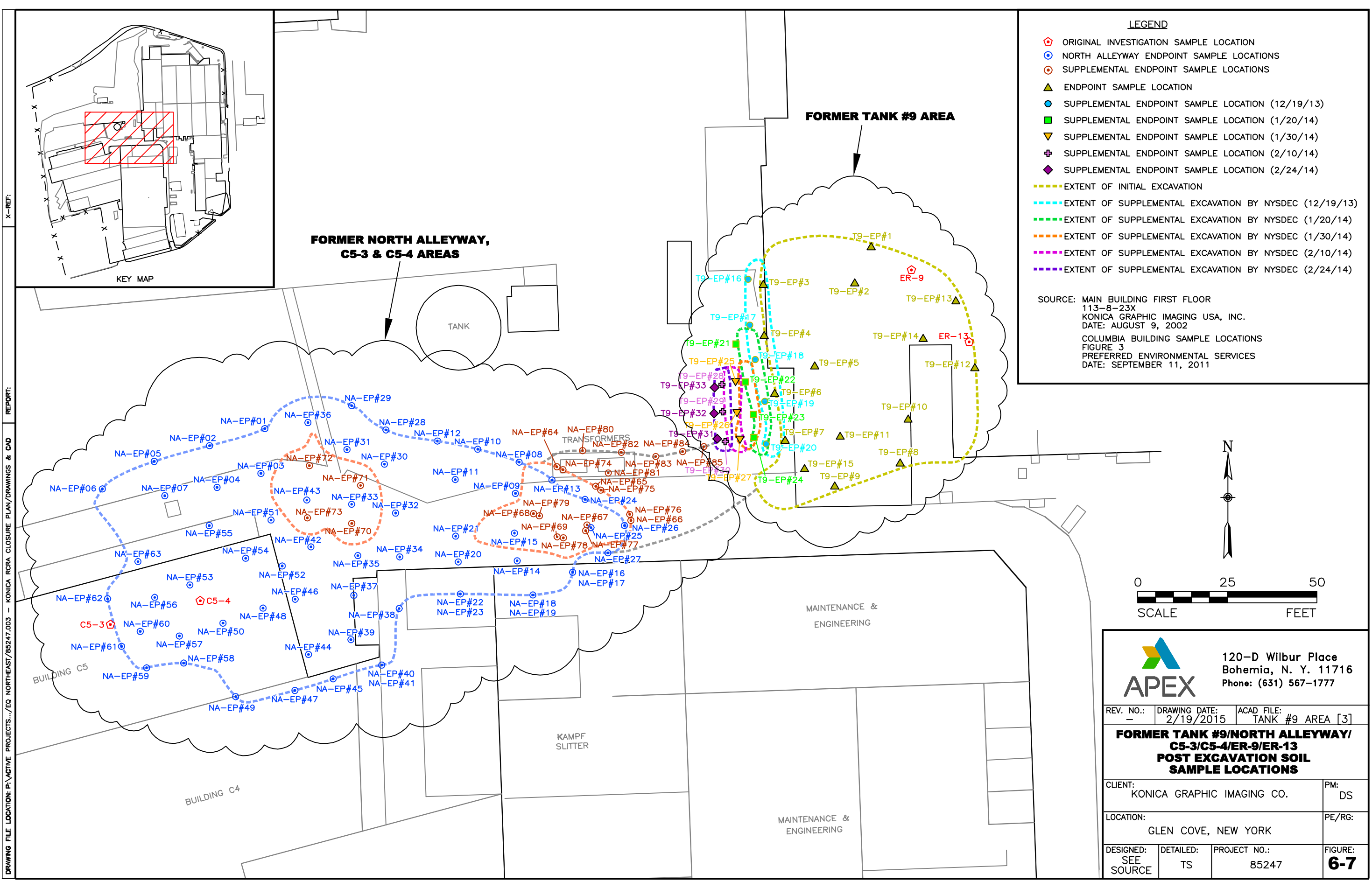


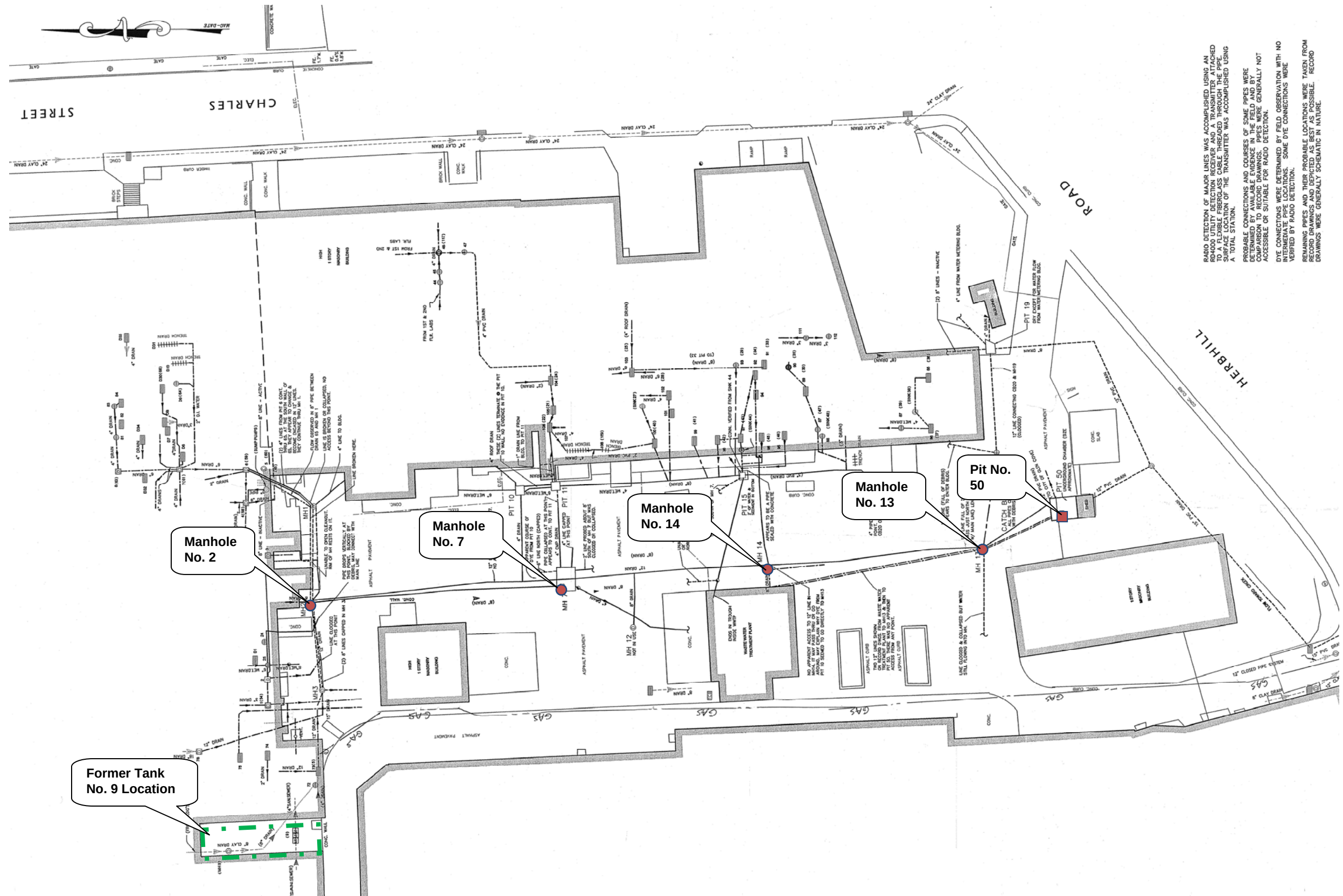
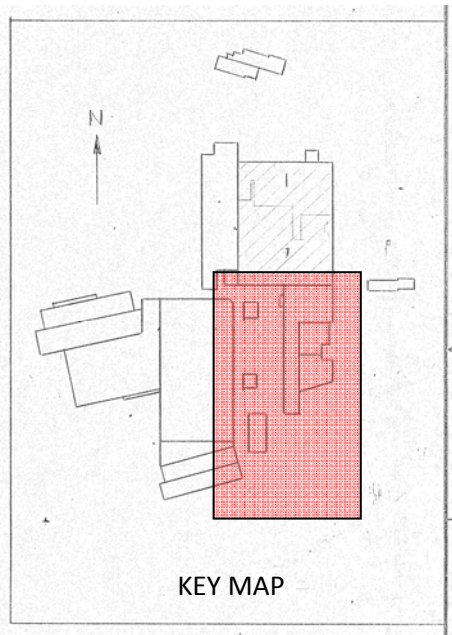
120-D Wilbur Place
Bohemia, N. Y. 11716
Phone: (631) 567-1777

REV. NO.: 1	DRAWING DATE: 3/21/15	ACAD FILE: EQNRTH1301.01N

FORMER EMULSION ROOM
ER-3 ORIGINAL SAMPLE LOCATION

CLIENT: KONICA GRAPHIC IMAGING CO.			PM: DS
LOCATION: 71 CHARLES STREET GLEN COVE, NEW YORK			PE/RO
DESIGNED: SEE SOURCE	DETAILED: DH	PROJECT NO.: EQNRTH1301.001	FIGURE: 6-





RADIO DETECTION OF MAJOR LINES WAS ACCOMPLISHED USING AN
 RIGID UTILITY DETECTION RECIPIER AND TRANSMITTER ATTACHED
 TO A FLEXIBLE FIBERGLASS CABLE THREADED THROUGH THE PIPE.
 SURFACE LOCATION OF THE TRANSMITTER WAS ACCOMPLISHED USING
 A TOTAL STATION.

PROBABLE CONNECTIONS AND COURSES OF SOME PIPES WERE
 DETERMINED BY AVAILABLE EVIDENCE IN THE FIELD AND BY
 RADIO DETECTION. SOME CONNECTIONS WERE GENERALLY NOT
 ACCESSIBLE OR SUITABLE FOR RADIO DETECTION.

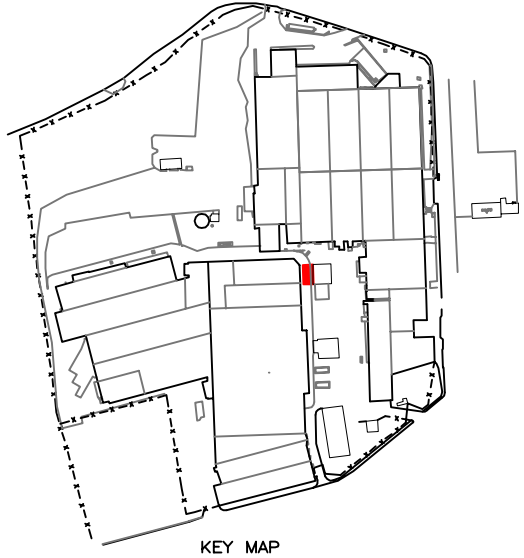
DYE CONNECTIONS WERE DETERMINED BY FIELD OBSERVATION WITH NO
 DETECTION OF DYE IN THE FIELD. SOME DYE CONNECTIONS WERE
 REMAINING PIPES AND THEIR PROBABLE LOCATIONS WERE TAKEN FROM
 RECORD DRAWINGS AND DEPICTED AS BEST AS POSSIBLE. RECORD
 DRAWINGS WERE GENERALLY SCHEMATIC IN NATURE.

Historic base map provided
 by Konica (Not to Scale)

Figure 6-8
Locations of Former Tank No. 9 and Stormwater System Manholes

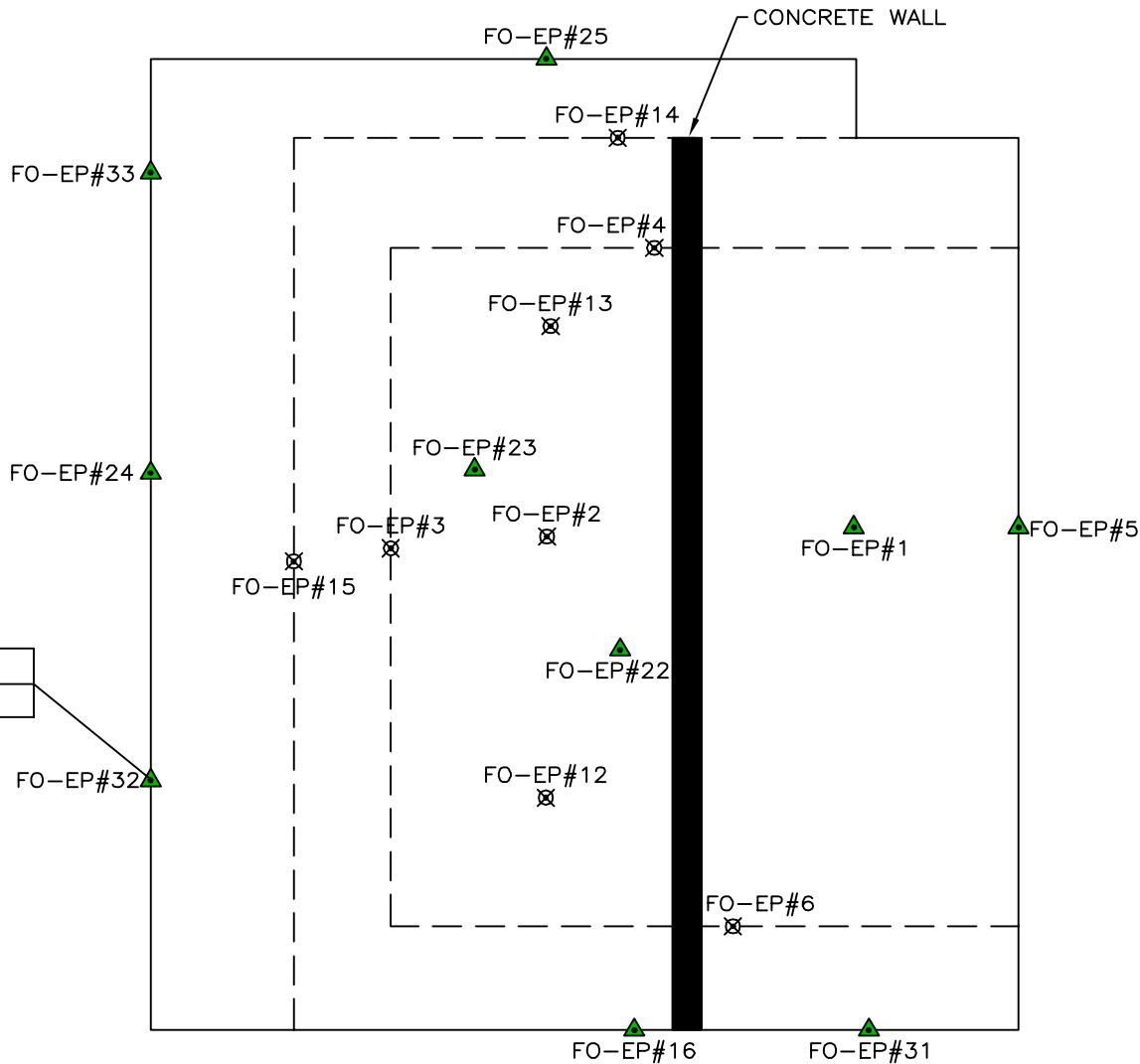


Client: EQ / Konica
 Project No.: EQNRTH1301
 Project Location: Glen Cove, NY
 Date: June 2014



KEY MAP

CM-EP#32 (1')	
LEAD	138



LEGEND

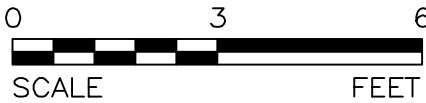
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- ENDPOINT SAMPLE LOCATION WHICH HAS BEEN REMEDIATED
- ENDPOINT SAMPLE LOCATION
- ENDPOINT SAMPLE LOCATION
- ENDPOINT SAMPLE LOCATION

DATA BOX LEGEND

SAMPLE ID	ANALYTICAL RESULT MG/KG
CM-EP#32 (1')	
LEAD	138

COMPOUND EXCEEDS SCOs

- EXTENT OF EXCAVATION
- APPROXIMATE LIMIT OF SUPPLEMENTAL EXCAVATION
- GREEN/ITALICIZED VALUE INDICATES ANALYTE EXCEEDED ITS RESPECTIVE UNRESTRICTED SCO BUT WAS BELOW ITS RESPECTIVE RESIDENTIAL/PROTECTION OF GW SCO, WHICHEVER IS LOWER.
- BLUE/ITALICIZED VALUE INDICATES ANALYTE EXCEEDED ITS RESPECTIVE RESIDENTIAL SCOs AND/OR PROTECTION OF GROUNDWATER SCO BUT WAS BELOW ITS RESTRICTED RESIDENTIAL SCO.
- PINK/ITALICIZED VALUE INDICATES ANALYTE EXCEEDED ITS RESPECTIVE RESIDENTIAL SCOs AND/OR PROTECTION OF GROUNDWATER SCO BUT WAS BELOW ITS COMMERCIAL SCO OR CONCENTRATION APPROVED BY NYSDEC

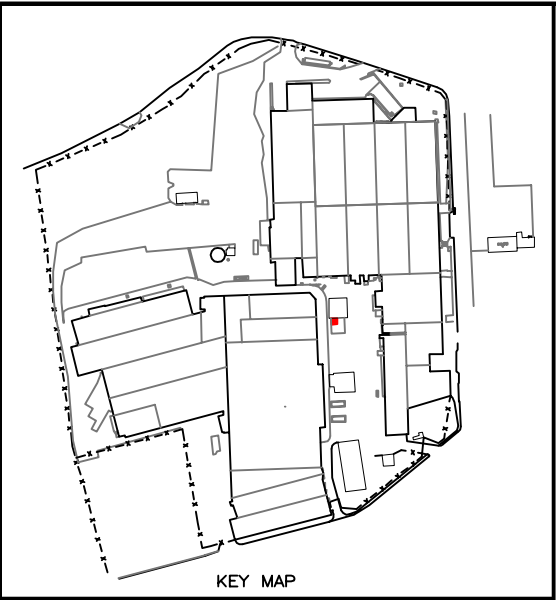


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Phone: (631) 567-1777

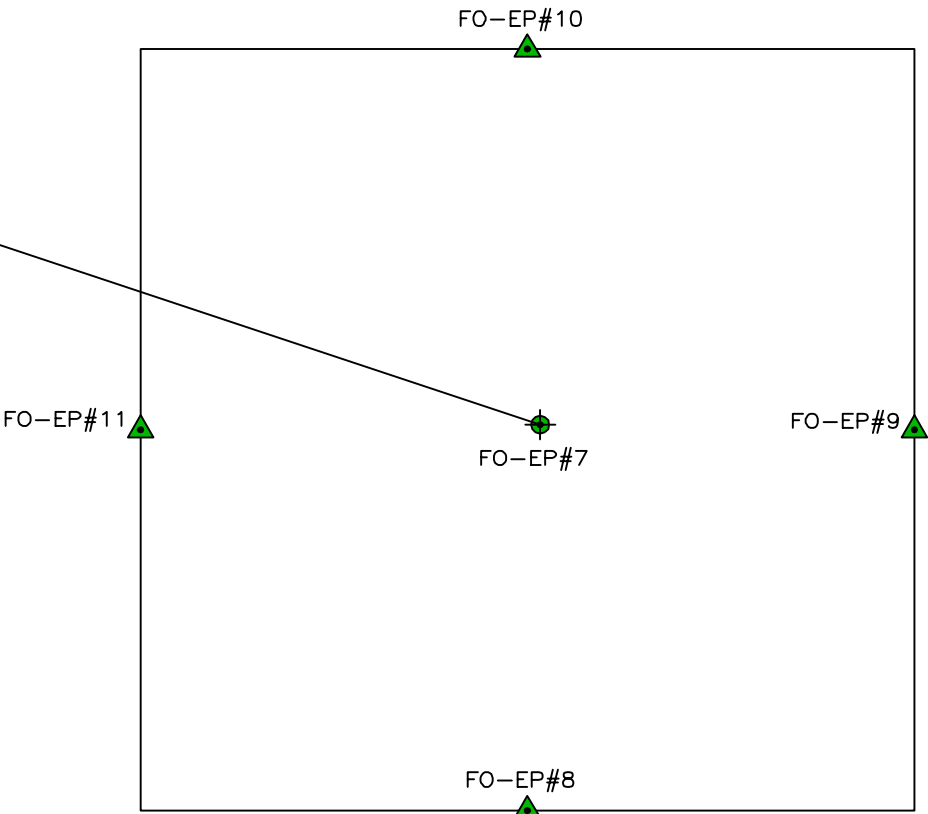
REV. NO.: 1	DRAWING DATE: 3/21/15	ACAD FILE: EQNRTH1301.01o

**FORMER SOUTH LOT AREA -
FUEL OIL SLAB
FO-4 ORIGINAL SAMPLE LOCATION**

CLIENT: KONICA GRAPHIC IMAGING CO.			PM: D
LOCATION: 71 CHARLES STREET GLEN COVE, NEW YORK			PE/R
DESIGNED: SEE SOURCE	DETAILED: DH	PROJECT NO.: EQNRTH1301.001	FIGUR 6-



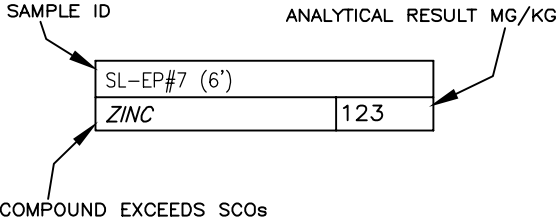
SL-EP#7 (6')	
ZINC	123



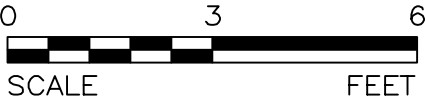
LEGEND

- ENDPOINT SAMPLE LOCATION
- ENDPOINT SAMPLE LOCATION WHICH HAS BEEN REMEDIATED
- ENDPOINT SAMPLE LOCATION
- ENDPOINT SAMPLE LOCATION
- ENDPOINT SAMPLE LOCATION

DATA BOX LEGEND



- EXTENT OF EXCAVATION
- GREEN/ITALICIZED VALUE INDICATES ANALYTE EXCEEDED ITS RESPECTIVE UNRESTRICTED SCO BUT WAS BELOW ITS RESPECTIVE RESIDENTIAL/PROTECTION OF GW SCO, WHICHEVER IS LOWER.
- BLUE/ITALICIZED VALUE INDICATES ANALYTE EXCEEDED ITS RESPECTIVE RESIDENTIAL SCOS AND/OR PROTECTION OF GROUNDWATER SCO BUT WAS BELOW ITS RESTRICTED RESIDENTIAL SCO.
- PINK/ITALICIZED VALUE INDICATES ANALYTE EXCEEDED ITS RESPECTIVE RESIDENTIAL SCOS AND/OR PROTECTION OF GROUNDWATER SCO BUT WAS BELOW ITS COMMERCIAL SCO OR CONCENTRATION APPROVED BY NYSDEC

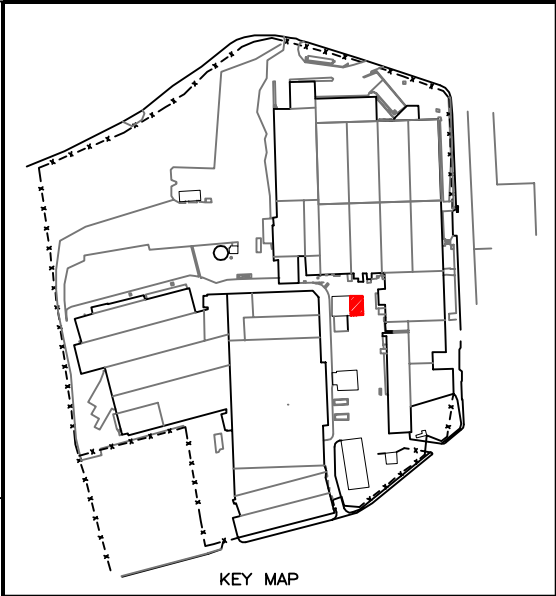


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Phone: (631) 567-1777

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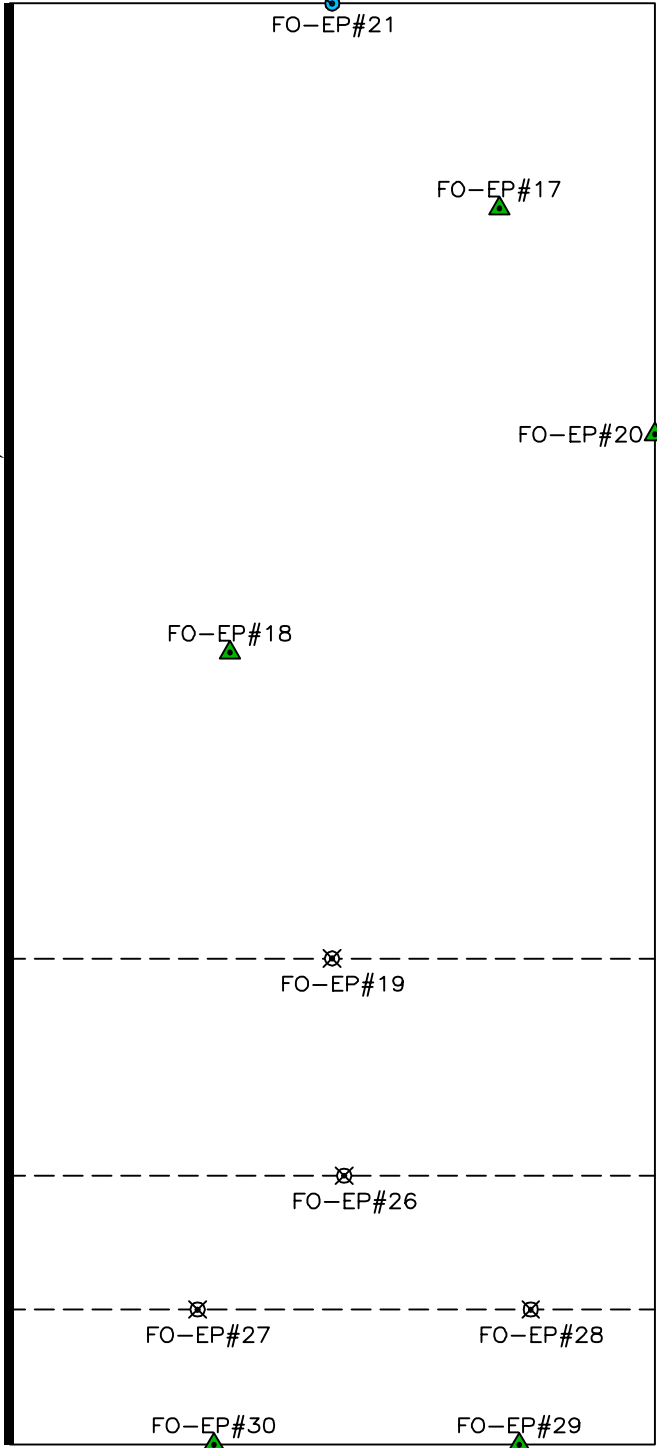
**FORMER SOUTH LOT AREA
FO-7 ORIGINAL SAMPLE
LOCATION**

CLIENT: KONICA GRAPHIC IMAGING CO.		PM: DS	
LOCATION: 71 CHARLES STREET GLEN COVE, NEW YORK		PE/RG:	
DESIGNED: SEE SOURCE	DETAILED: DH	PROJECT NO.: EQNRTH1301.001	FIGURE: 6-10



FO-EP#21(4')	
CHROMIUM	37.0

CONCRETE WALL



LEGEND

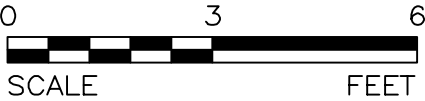
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- ENDPOINT SAMPLE LOCATION
- ENDPOINT SAMPLE LOCATION
- ENDPOINT SAMPLE LOCATION

DATA BOX LEGEND

SAMPLE ID	ANALYTICAL RESULT MG/KG
FO-EP#21(4')	
CHROMIUM	37.0

COMPOUND EXCEEDS SCOs

- EXTENT OF EXCAVATION
- APPROXIMATE LIMIT OF SUPPLEMENTAL EXCAVATION
- GREEN/ITALICIZED VALUE INDICATES ANALYTE EXCEEDED ITS RESPECTIVE UNRESTRICTED SCO BUT WAS BELOW ITS RESPECTIVE RESIDENTIAL/PROTECTION OF GW SCO, WHICHEVER IS LOWER.
- BLUE/ITALICIZED VALUE INDICATES ANALYTE EXCEEDED ITS RESPECTIVE RESIDENTIAL SCOS AND/OR PROTECTION OF GROUNDWATER SCO BUT WAS BELOW ITS RESTRICTED RESIDENTIAL SCO.
- PINK/ITALICIZED VALUE INDICATES ANALYTE EXCEEDED ITS RESPECTIVE RESIDENTIAL SCOS AND/OR PROTECTION OF GROUNDWATER SCO BUT WAS BELOW ITS COMMERCIAL SCO OR CONCENTRATION APPROVED BY NYSDEC



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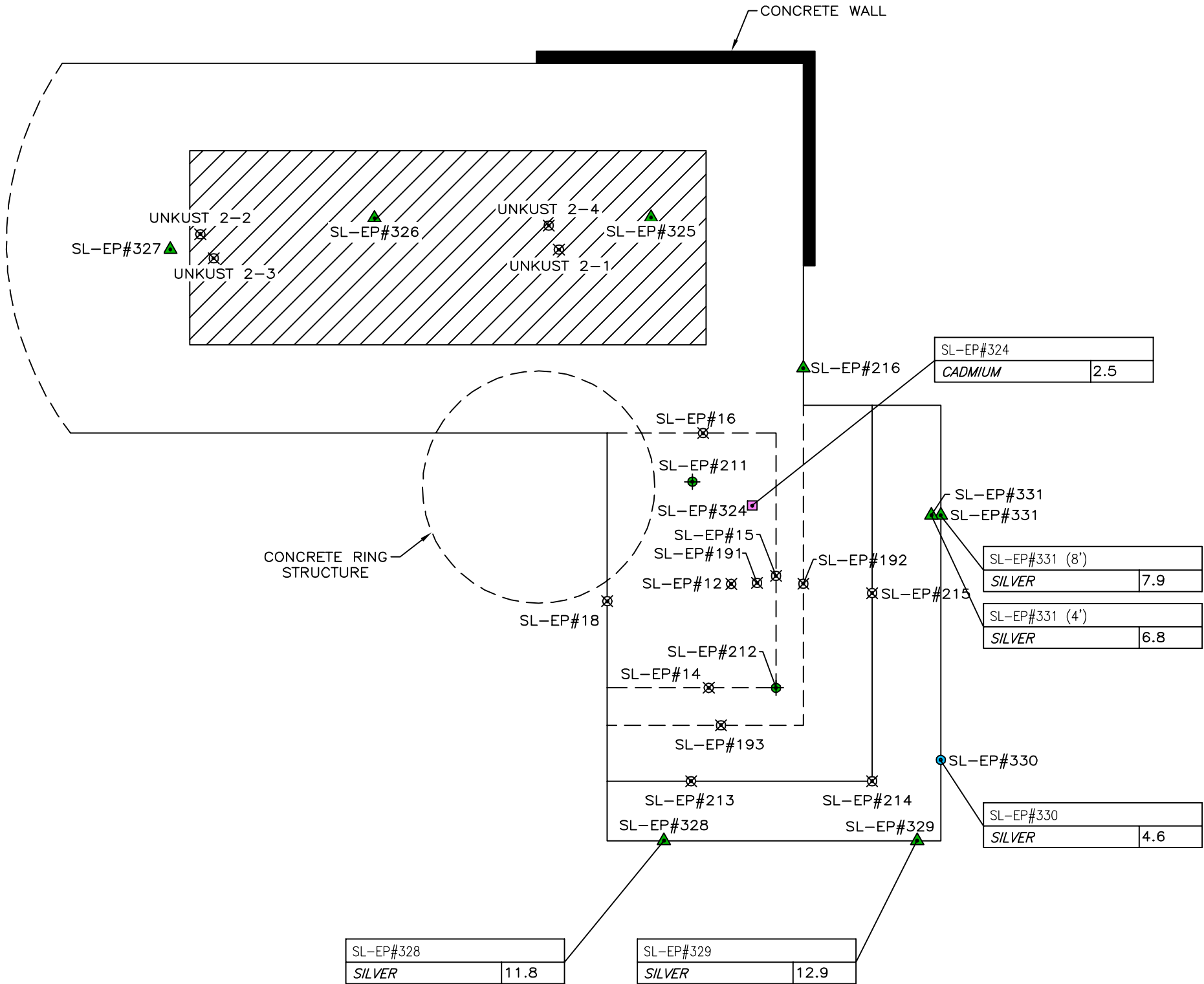
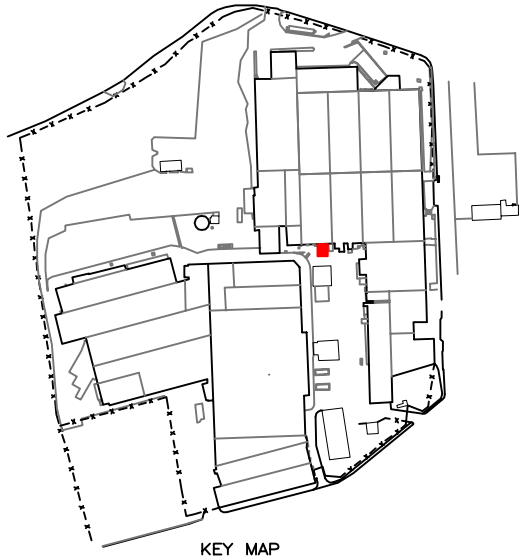
**FORMER SOUTH LOT AREA -
FUEL OIL SLAB
BLDG 6-SB-2 ORIGINAL
SAMPLE LOCATION**

CLIENT: KONICA GRAPHIC IMAGING CO.			PM: D
LOCATION: 71 CHARLES STREET GLEN COVE, NEW YORK			PE/R
DESIGNED: SEE SOURCE	DETAILED: DH	PROJECT NO.: EQNRTH1301.001	FIGURE: 6-

X-REF:

REPORT:

DRAWING FILE LOCATION: A:\Dropbox\Apex\EQNRTH1301.001_RPT Glencove, NY\EQNRTH1301.01Z.dwg



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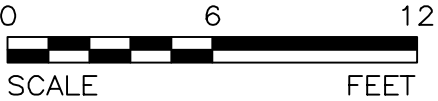
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- ENDPOINT SAMPLE LOCATION
- ENDPOINT SAMPLE LOCATION

DATA BOX LEGEND

SAMPLE ID	ANALYTICAL RESULT	MG/KG
SL-EP#328	SILVER	11.8

COMPOUND EXCEEDS SCOs

- EXTENT OF EXCAVATION
- APPROXIMATE LIMIT OF SUPPLEMENTAL EXCAVATION
- FORMER UST LOCATION
- GREEN/ITALICIZED VALUE INDICATES ANALYTE EXCEEDED ITS RESPECTIVE UNRESTRICTED SCO BUT WAS BELOW ITS RESPECTIVE RESIDENTIAL/PROTECTION OF GW SCO, WHICHEVER IS LOWER.
- BLUE/ITALICIZED VALUE INDICATES ANALYTE EXCEEDED ITS RESPECTIVE RESIDENTIAL SCOS AND/OR PROTECTION OF GROUNDWATER SCO BUT WAS BELOW ITS RESTRICTED RESIDENTIAL SCO.
- PINK/ITALICIZED VALUE INDICATES ANALYTE EXCEEDED ITS RESPECTIVE RESIDENTIAL SCOS AND/OR PROTECTION OF GROUNDWATER SCO BUT WAS BELOW ITS COMMERCIAL SCO OR CONCENTRATION APPROVED BY NYSDEC



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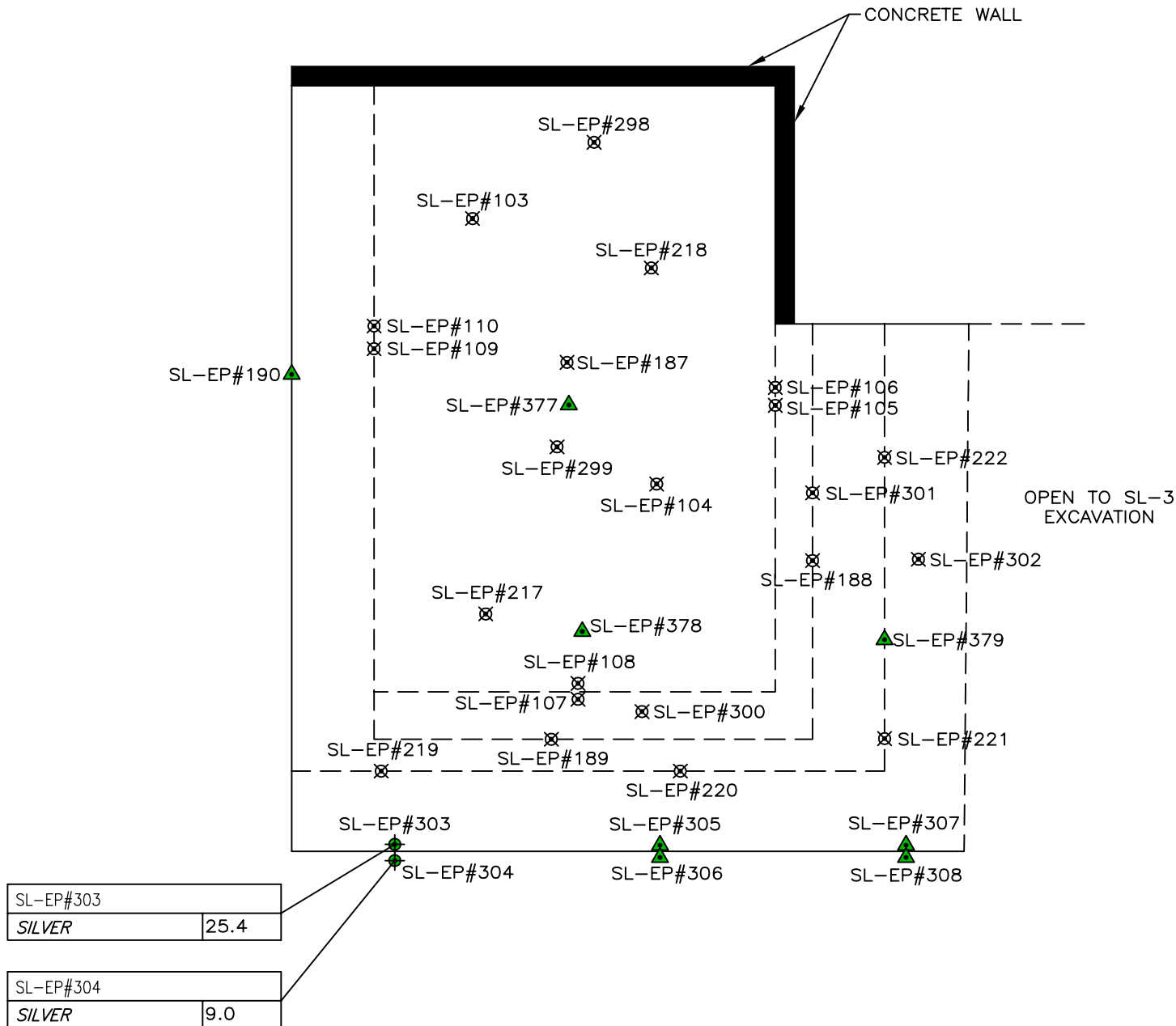
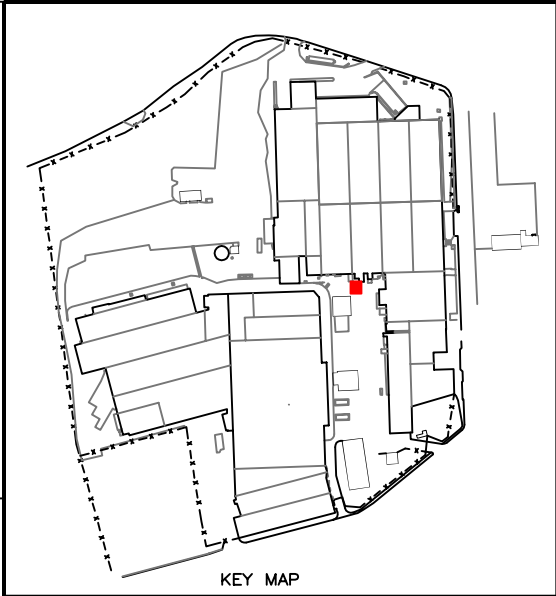
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1	3/21/15	EQNRTH1301.01Z

FORMER SOUTH LOT AREA
SL-1/UNKUST ORIGINAL SAMPLE
LOCATION

CLIENT: KONICA GRAPHIC IMAGING CO.			PM: D
LOCATION: 71 CHARLES STREET GLEN COVE, NEW YORK			PE/R
DESIGNED: SEE SOURCE	DETAILED: DH	PROJECT NO.: EQNRTH1301.001	FIGURE: 6-

X-REF:

DRAWING FILE LOCATION: A:\Dropbox\Apex\EQNRTH1301.001_RPT Glencove, NY\EQNRTH1301.01AA.dwg REPORT:



SL-EP#303	
SILVER	25.4

SL-EP#304	
SILVER	9.0



LEGEND

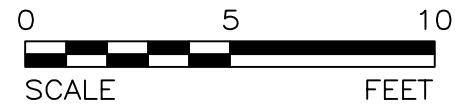
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- ENDPOINT SAMPLE LOCATION
- ENDPOINT SAMPLE LOCATION
- ENDPOINT SAMPLE LOCATION

DATA BOX LEGEND

SAMPLE ID	ANALYTICAL RESULT MG/KG
SL-EP#303	
SILVER	25.4

COMPOUND EXCEEDS SCOs

- EXTENT OF EXCAVATION
- APPROXIMATE LIMIT OF SUPPLEMENTAL EXCAVATION
- GREEN/ITALICIZED VALUE INDICATES ANALYTE EXCEEDED ITS RESPECTIVE UNRESTRICTED SCO BUT WAS BELOW ITS RESPECTIVE RESIDENTIAL/PROTECTION OF GW SCO, WHICHEVER IS LOWER.
- BLUE/ITALICIZED VALUE INDICATES ANALYTE EXCEEDED ITS RESPECTIVE RESIDENTIAL SCOS AND/OR PROTECTION OF GROUNDWATER SCO BUT WAS BELOW ITS RESTRICTED RESIDENTIAL SCO.
- PINK/ITALICIZED VALUE INDICATES ANALYTE EXCEEDED ITS RESPECTIVE RESIDENTIAL SCOS AND/OR PROTECTION OF GROUNDWATER SCO BUT WAS BELOW ITS COMMERCIAL SCO OR CONCENTRATION APPROVED BY NYSDEC



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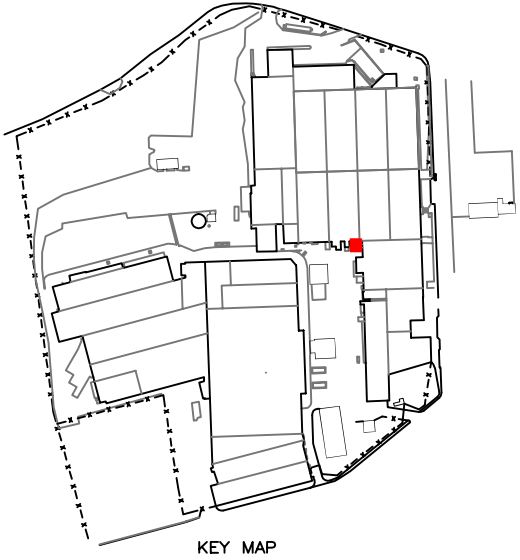
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FORMER SOUTH LOT AREA
SL-2 ORIGINAL SAMPLE LOCATION

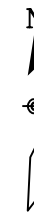
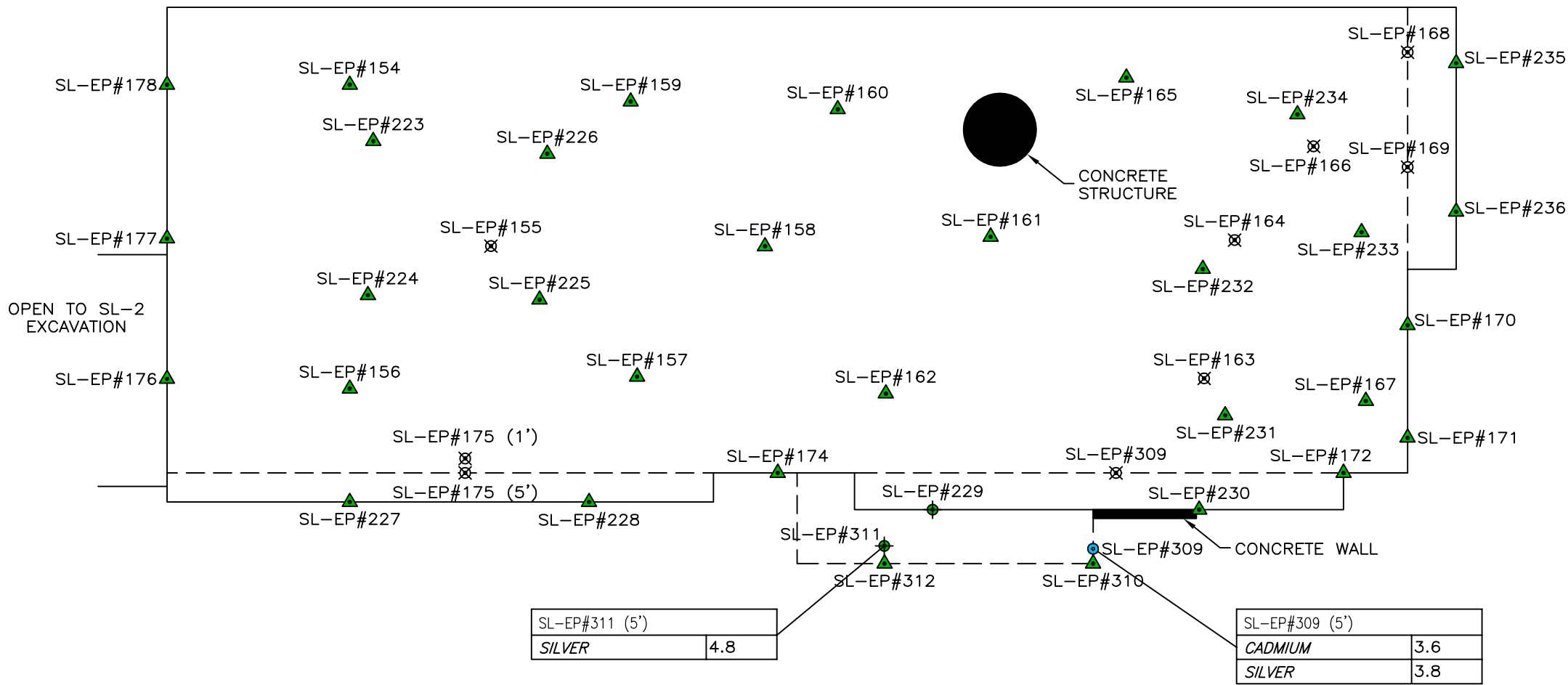
CLIENT: KONICA GRAPHIC IMAGING CO.			PM: DS
LOCATION: 71 CHARLES STREET GLEN COVE, NEW YORK			PE/RG:
DESIGNED: SEE SOURCE	DETAILED: DH	PROJECT NO.: EQNRTH1301.001	FIGURE: 6-1

X-REF:

DRAWING FILE LOCATION: A:\Dropbox\Apex\EQNRTH1301.001_RPT Glencove, NY\EQNRTH1301.01BB.dwg REPORT:



KEY MAP



LEGEND

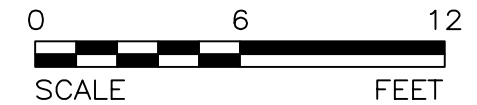
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- ENDPOINT SAMPLE LOCATION
- ENDPOINT SAMPLE LOCATION

DATA BOX LEGEND

SAMPLE ID	ANALYTICAL RESULT MG/KG
SL-EP#311 (5')	SILVER 4.8

COMPOUND EXCEEDS SCOs

- EXTENT OF EXCAVATION
- APPROXIMATE LIMIT OF SUPPLEMENTAL EXCAVATION
- GREEN/ITALICIZED VALUE INDICATES ANALYTE EXCEEDED ITS RESPECTIVE UNRESTRICTED SCO BUT WAS BELOW ITS RESPECTIVE RESIDENTIAL/PROTECTION OF GW SCO, WHICHEVER IS LOWER.
- BLUE/ITALICIZED VALUE INDICATES ANALYTE EXCEEDED ITS RESPECTIVE RESIDENTIAL SCOs AND/OR PROTECTION OF GROUNDWATER SCO BUT WAS BELOW ITS RESTRICTED RESIDENTIAL SCO.
- PINK/ITALICIZED VALUE INDICATES ANALYTE EXCEEDED ITS RESPECTIVE RESIDENTIAL SCOs AND/OR PROTECTION OF GROUNDWATER SCO BUT WAS BELOW ITS COMMERCIAL SCO OR CONCENTRATION APPROVED BY NYSDEC

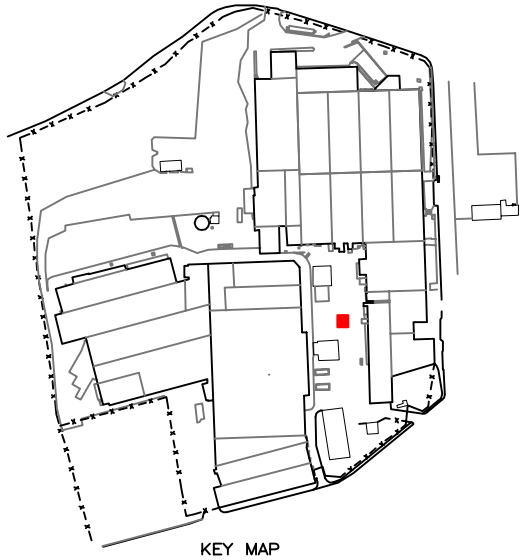


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Phone: (631) 567-1777

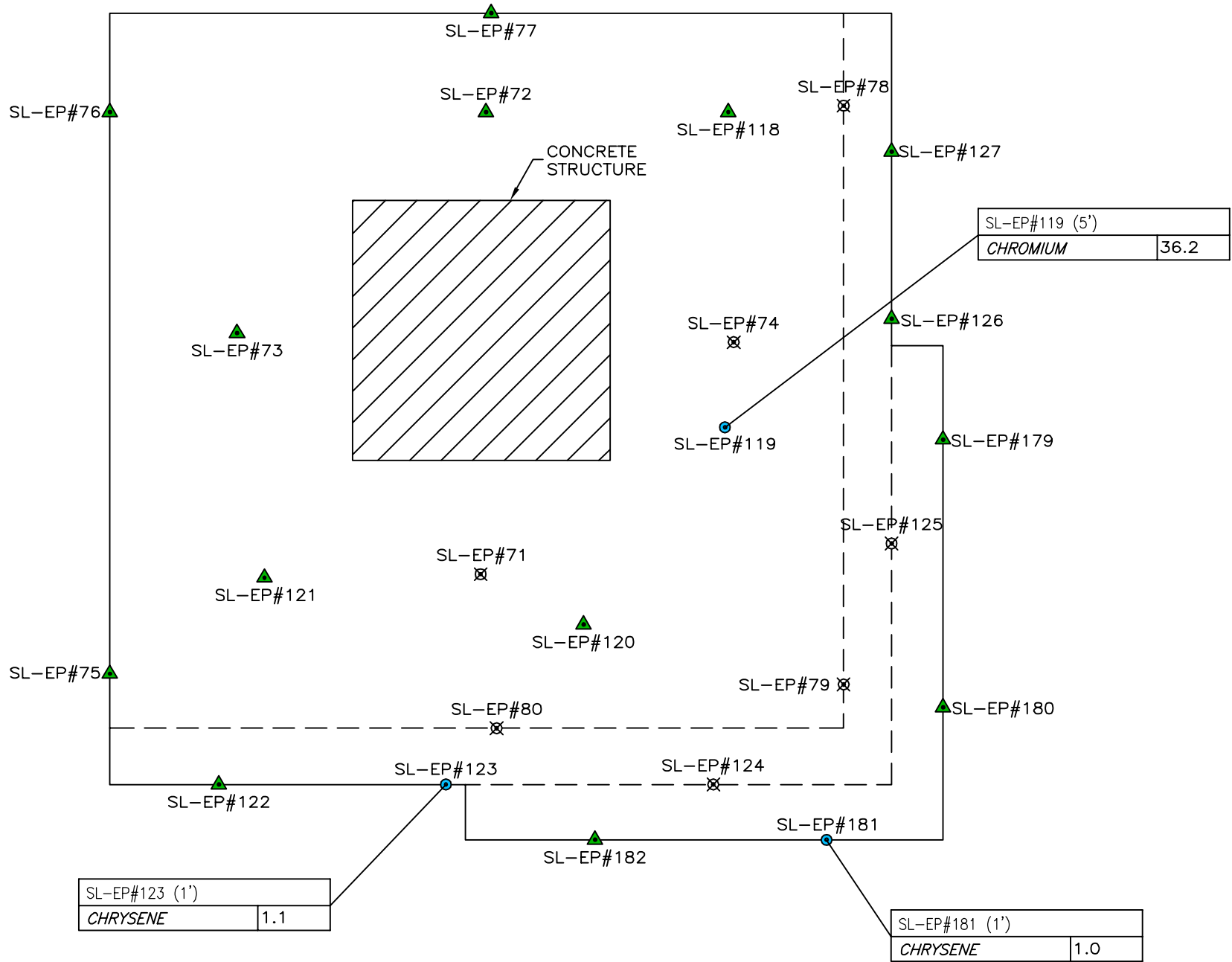
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1	7/21/15	EQNRTH1301.01BB

FORMER SOUTH LOT AREA
SL-3/39/40 ORIGINAL
SAMPLE LOCATION

CLIENT: KONICA GRAPHIC IMAGING CO.			PM: DS
LOCATION: 71 CHARLES STREET GLEN COVE, NEW YORK			PE/RG:
DESIGNED: SEE SOURCE	DETAILED: DH	PROJECT NO.: EQNRTH1301.001	FIGURE: 6-14



KEY MAP



LEGEND

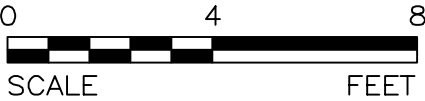
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DATA BOX LEGEND

SAMPLE ID	ANALYTICAL RESULT MG/KG
SL-EP#123 (1')	CHRYSENE 1.1

COMPOUND EXCEEDS SCOs

- EXTENT OF EXCAVATION
- APPROXIMATE LIMIT OF SUPPLEMENTAL EXCAVATION
- GREEN/ITALICIZED VALUE INDICATES ANALYTE EXCEEDED ITS RESPECTIVE UNRESTRICTED SCO BUT WAS BELOW ITS RESPECTIVE RESIDENTIAL/PROTECTION OF GW SCO, WHICHEVER IS LOWER.
- BLUE/ITALICIZED VALUE INDICATES ANALYTE EXCEEDED ITS RESPECTIVE RESIDENTIAL SCOs AND/OR PROTECTION OF GROUNDWATER SCO BUT WAS BELOW ITS RESTRICTED RESIDENTIAL SCO.
- PINK/ITALICIZED VALUE INDICATES ANALYTE EXCEEDED ITS RESPECTIVE RESIDENTIAL SCOs AND/OR PROTECTION OF GROUNDWATER SCO BUT WAS BELOW ITS COMMERCIAL SCO OR CONCENTRATION APPROVED BY NYSDEC



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Phone: (631) 567-1777

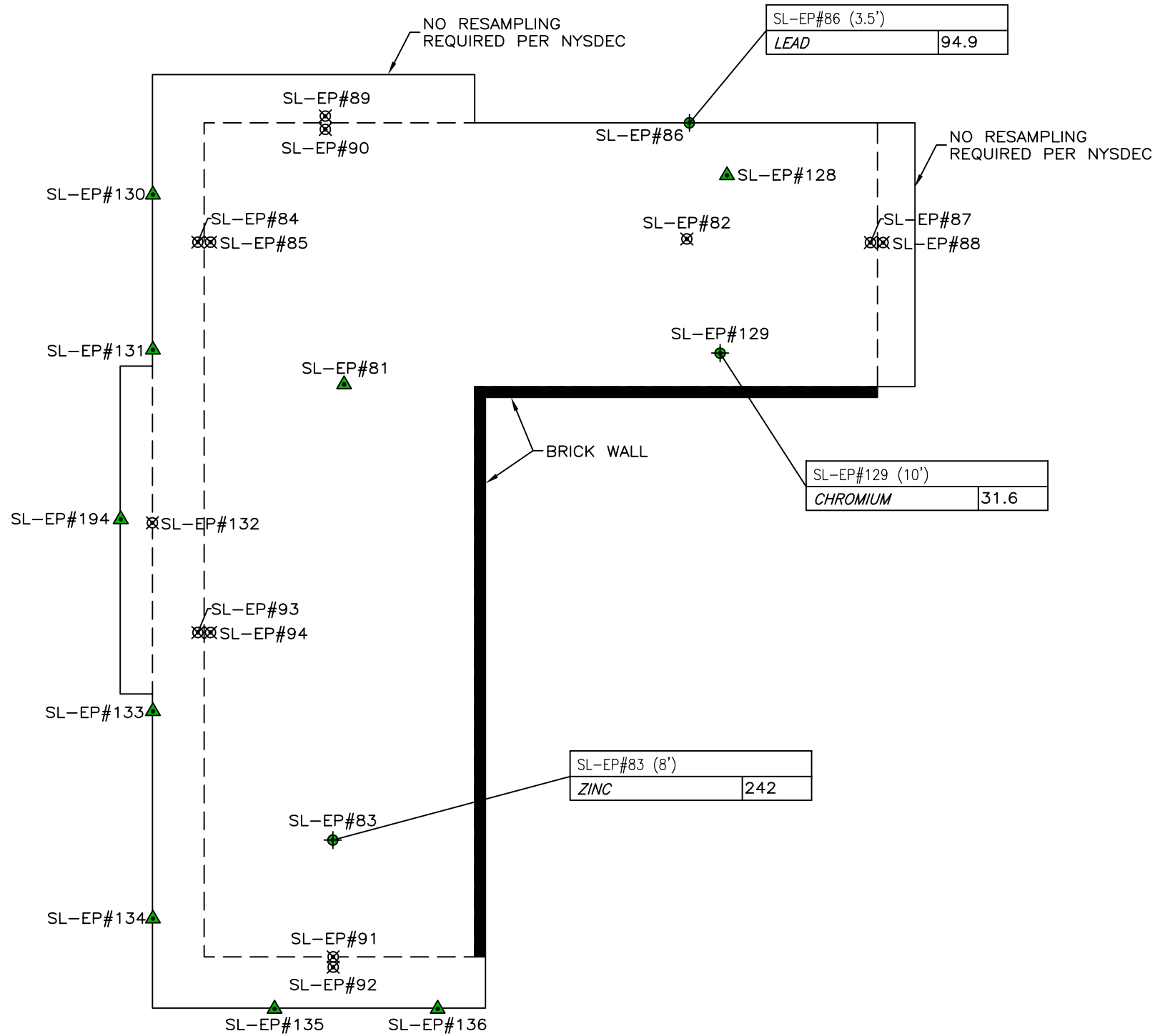
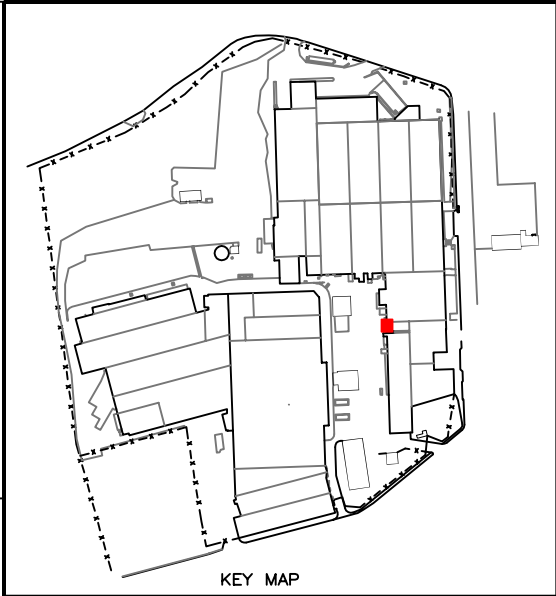
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FORMER SOUTH LOT AREA
SL-4/5/6 ORIGINAL SAMPLE
LOCATION

CLIENT: KONICA GRAPHIC IMAGING CO.			PM: DS
LOCATION: 71 CHARLES STREET GLEN COVE, NEW YORK			PE/RG:
DESIGNED: SEE SOURCE	DETAILED: DH	PROJECT NO.: EQNRTH1301.001	FIGURE: 6-1

X-REF:

DRAWING FILE LOCATION: A:\Dropbox\Apex\EQNRTH1301.001_RPT Glencove, NY\EQNRTH1301.01DD.dwg REPORT:



LEGEND

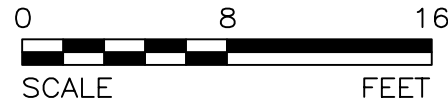
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- ENDPOINT SAMPLE LOCATION

DATA BOX LEGEND

SAMPLE ID	ANALYTICAL RESULT MG/KG
SL-EP#129 (10')	
CHROMIUM	31.6

COMPOUND EXCEEDS SCOs

- EXTENT OF EXCAVATION
- APPROXIMATE LIMIT OF SUPPLEMENTAL EXCAVATION
- GREEN/ITALICIZED VALUE INDICATES ANALYTE EXCEEDED ITS RESPECTIVE UNRESTRICTED SCO BUT WAS BELOW ITS RESPECTIVE RESIDENTIAL/PROTECTION OF GW SCO, WHICHEVER IS LOWER.
- BLUE/ITALICIZED VALUE INDICATES ANALYTE EXCEEDED ITS RESPECTIVE RESIDENTIAL SCOs AND/OR PROTECTION OF GROUNDWATER SCO BUT WAS BELOW ITS RESTRICTED RESIDENTIAL SCO.
- PINK/ITALICIZED VALUE INDICATES ANALYTE EXCEEDED ITS RESPECTIVE RESIDENTIAL SCOs AND/OR PROTECTION OF GROUNDWATER SCO BUT WAS BELOW ITS COMMERCIAL SCO OR CONCENTRATION APPROVED BY NYSDEC



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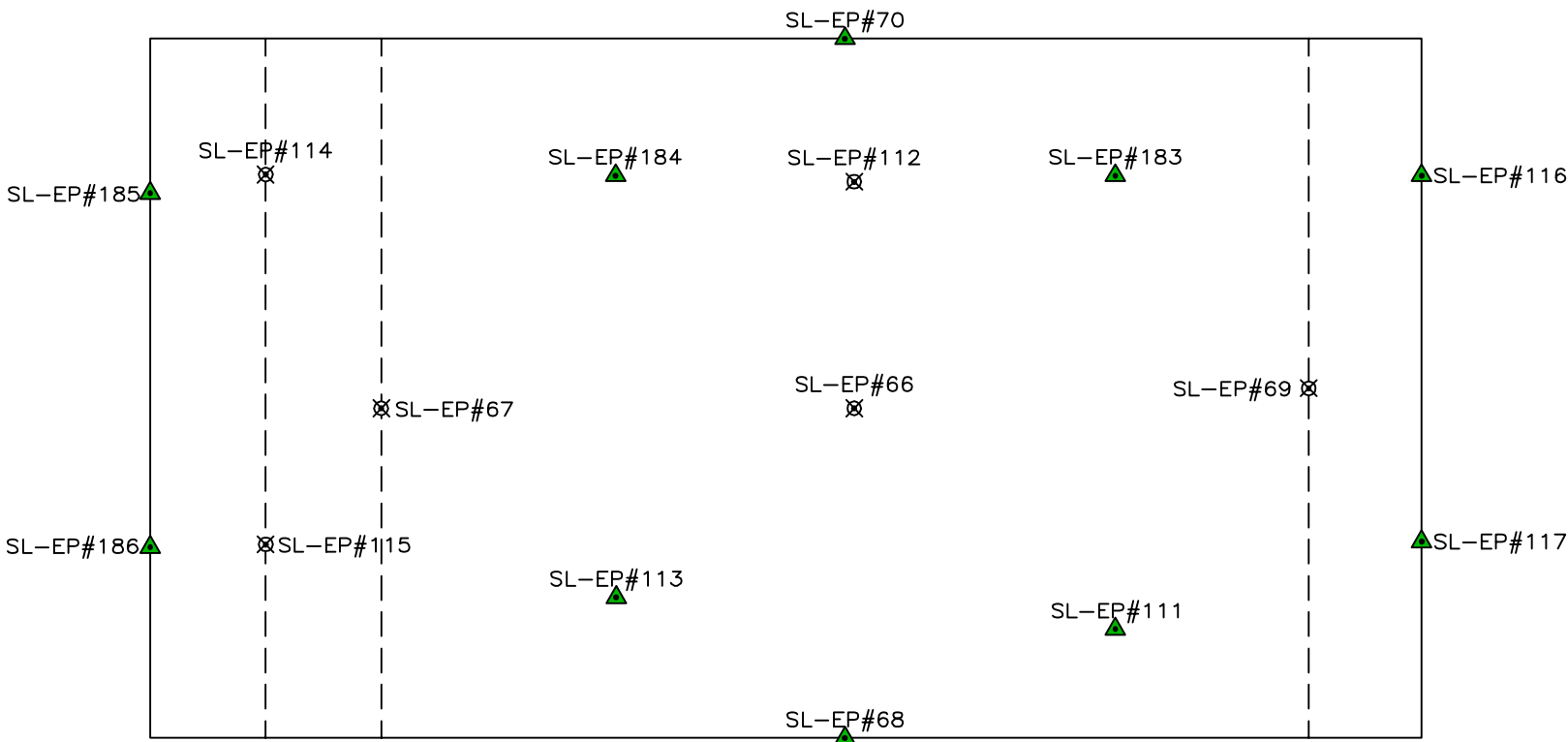
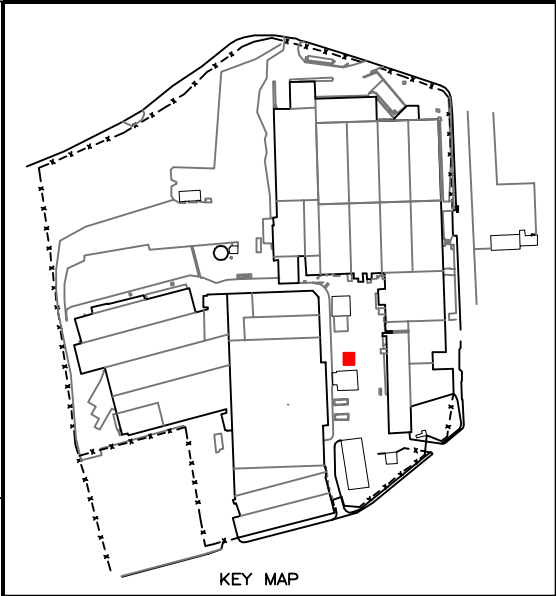
REV. NO.:	DRAWING DATE:	ACAD FILE:
1	7/21/15	EQNRTH1301.01DD

FORMER SOUTH LOT AREA
SL-7/8/9 ORIGINAL SAMPLE
LOCATION

CLIENT: KONICA GRAPHIC IMAGING CO.			PM: DS
LOCATION: 71 CHARLES STREET GLEN COVE, NEW YORK			PE/RG:
DESIGNED: SEE SOURCE	DETAILED: DH	PROJECT NO.: EQNRTH1301.001	FIGURE: 6-1

X-REF:

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LEGEND

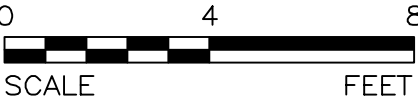
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DATA BOX LEGEND

SAMPLE ID	ANALYTICAL RESULT	MG/KG
SL-EP#303	SILVER	25.4

COMPOUND EXCEEDS SCOs

- EXTENT OF EXCAVATION
- APPROXIMATE LIMIT OF SUPPLEMENTAL EXCAVATION
- GREEN/ITALICIZED VALUE INDICATES ANALYTE EXCEEDED ITS RESPECTIVE UNRESTRICTED SCO BUT WAS BELOW ITS RESPECTIVE RESIDENTIAL/PROTECTION OF GW SCO, WHICHEVER IS LOWER.
- BLUE/ITALICIZED VALUE INDICATES ANALYTE EXCEEDED ITS RESPECTIVE RESIDENTIAL SCOS AND/OR PROTECTION OF GROUNDWATER SCO BUT WAS BELOW ITS RESTRICTED RESIDENTIAL SCO.
- PINK/ITALICIZED VALUE INDICATES ANALYTE EXCEEDED ITS RESPECTIVE RESIDENTIAL SCOS AND/OR PROTECTION OF GROUNDWATER SCO BUT WAS BELOW ITS COMMERCIAL SCO OR CONCENTRATION APPROVED BY NYSDEC



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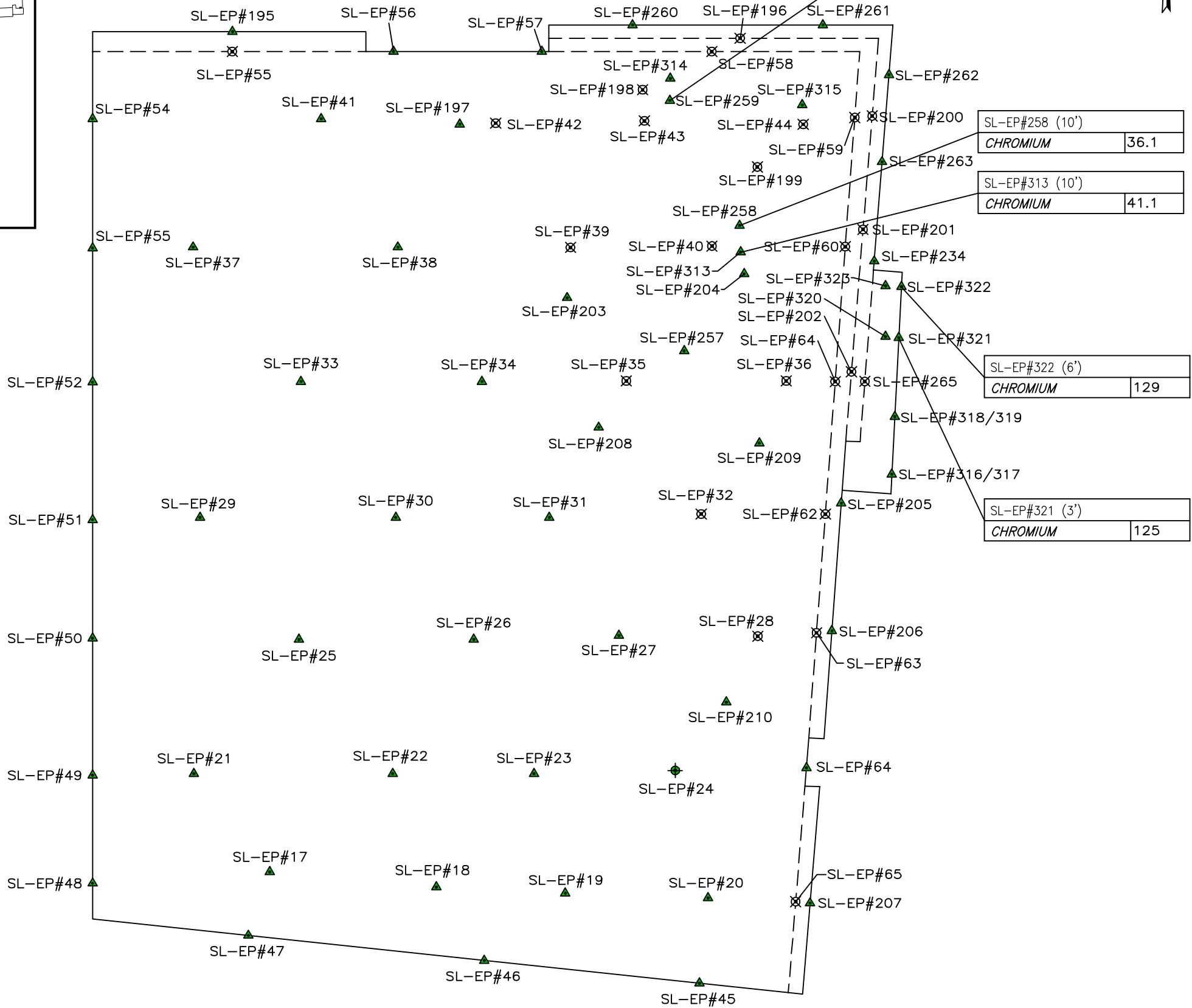
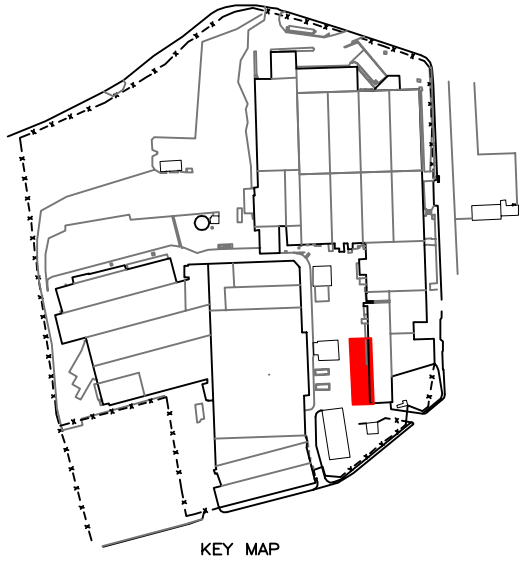
REV. NO.: 1	DRAWING DATE: 3/21/15	ACAD FILE: EQNRTH1301.01EE

FORMER SOUTH LOT AREA
SL-12 ORIGINAL SAMPLE
LOCATION

CLIENT: KONICA GRAPHIC IMAGING CO.			PM: DS
LOCATION: 71 CHARLES STREET GLEN COVE, NEW YORK			PE/RG:
DESIGNED: SEE SOURCE	DETAILED: DH	PROJECT NO.: EQNRTH1301.001	FIGURE: 6-1

X-REF:

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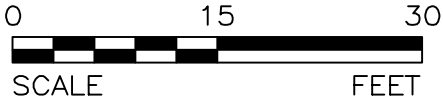
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DATA BOX LEGEND

SAMPLE ID	ANALYTICAL RESULT MG/KG
SL-EP#303	SILVER 25.4

COMPOUND EXCEEDS SCOs

- EXTENT OF EXCAVATION
- APPROXIMATE LIMIT OF SUPPLEMENTAL EXCAVATION
- GREEN/ITALICIZED VALUE INDICATES ANALYTE EXCEEDED ITS RESPECTIVE UNRESTRICTED SCO BUT WAS BELOW ITS RESPECTIVE RESIDENTIAL/PROTECTION OF GW SCO, WHICHEVER IS LOWER.
- BLUE/ITALICIZED VALUE INDICATES ANALYTE EXCEEDED ITS RESPECTIVE RESIDENTIAL SCOs AND/OR PROTECTION OF GROUNDWATER SCO BUT WAS BELOW ITS RESTRICTED RESIDENTIAL SCO.
- PINK/ITALICIZED VALUE INDICATES ANALYTE EXCEEDED ITS RESPECTIVE RESIDENTIAL SCOs AND/OR PROTECTION OF GROUNDWATER SCO BUT WAS BELOW ITS COMMERCIAL SCO OR CONCENTRATION APPROVED BY NYSDEC



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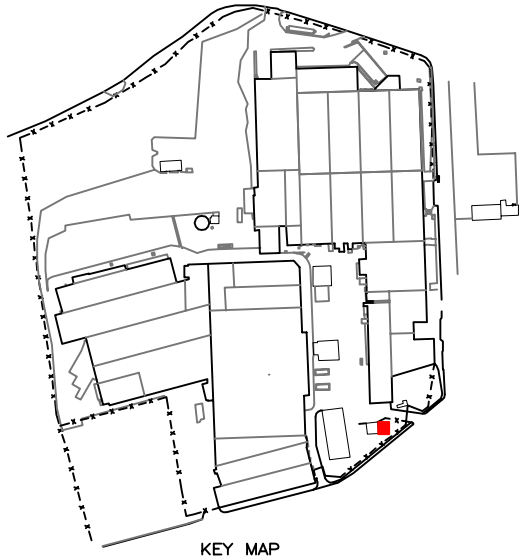
REV. NO.:	DRAWING DATE:	ACAD FILE:
1	3/21/15	EQNRTH1301.01FF

FORMER SOUTH LOT AREA
SL-20/21/22 / CM-25/29 /
TANKERCOU25-SB / BLDG-1-RCRA-SB-1/5
ORIGINAL SAMPLE LOCATION

CLIENT: KONICA GRAPHIC IMAGING CO.			PM: DS
LOCATION: 71 CHARLES STREET GLEN COVE, NEW YORK			PE/RG:
DESIGNED: SEE SOURCE	DETAILED: DH	PROJECT NO.: EQNRTH1301.001	FIGURE: 6-18

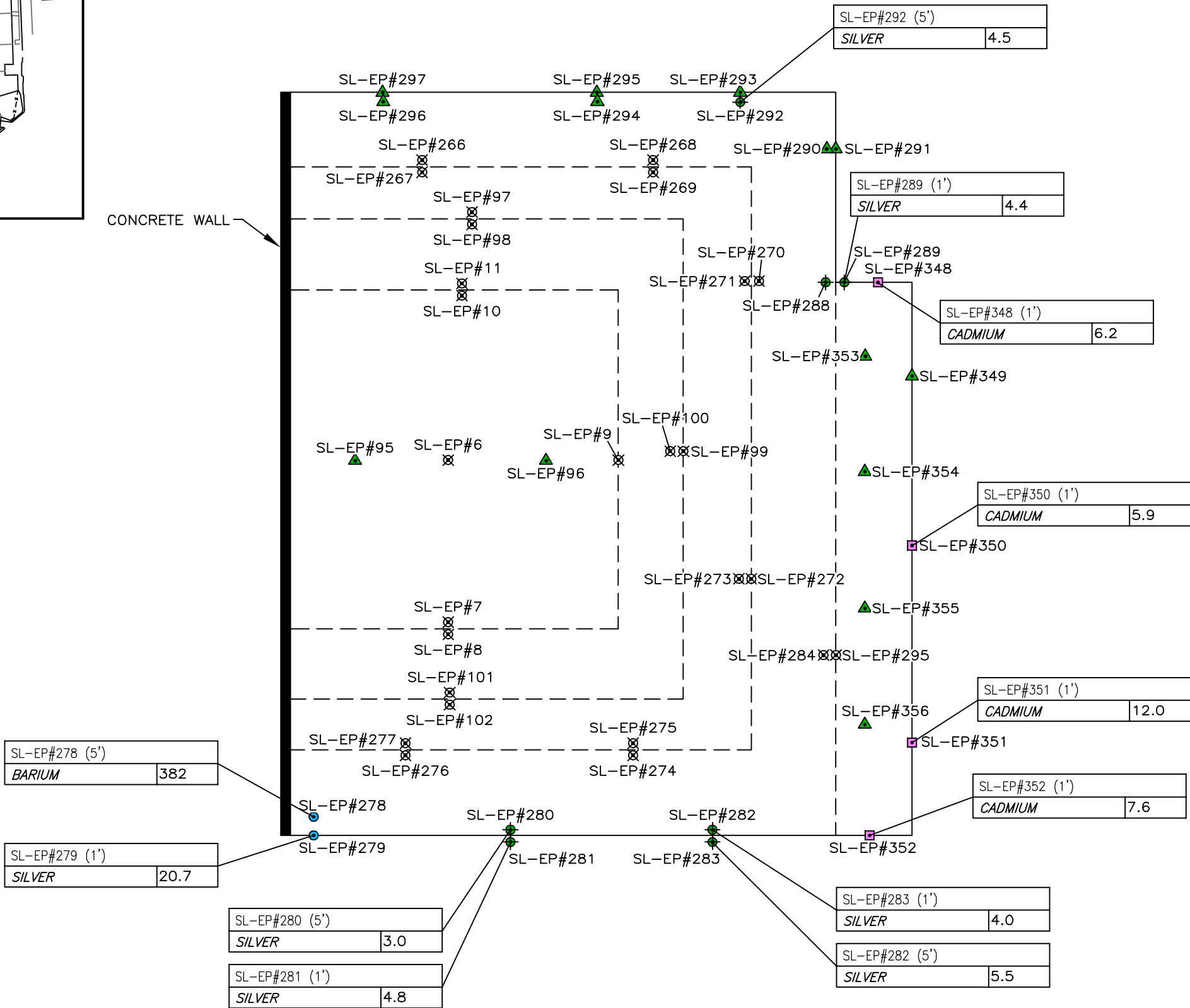
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KEY MAP

CONCRETE WALL



LEGEND

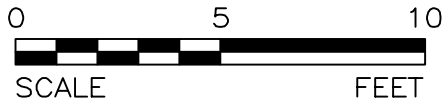
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- ENDPOINT SAMPLE LOCATION
- ENDPOINT SAMPLE LOCATION

DATA BOX LEGEND

SAMPLE ID	ANALYTICAL RESULT MG/KG
SL-EP#303	
SILVER	25.4

COMPOUND EXCEEDS SCOs

- EXTENT OF EXCAVATION
- APPROXIMATE LIMIT OF SUPPLEMENTAL EXCAVATION
- GREEN/ITALICIZED VALUE INDICATES ANALYTE EXCEEDED ITS RESPECTIVE UNRESTRICTED SCO BUT WAS BELOW ITS RESPECTIVE RESIDENTIAL/PROTECTION OF GW SCO, WHICHEVER IS LOWER.
- BLUE/ITALICIZED VALUE INDICATES ANALYTE EXCEEDED ITS RESPECTIVE RESIDENTIAL SCOS AND/OR PROTECTION OF GROUNDWATER SCO BUT WAS BELOW ITS RESTRICTED RESIDENTIAL SCO.
- PINK/ITALICIZED VALUE INDICATES ANALYTE EXCEEDED ITS RESPECTIVE RESIDENTIAL SCOS AND/OR PROTECTION OF GROUNDWATER SCO BUT WAS BELOW ITS COMMERCIAL SCO OR CONCENTRATION APPROVED BY NYSDEC

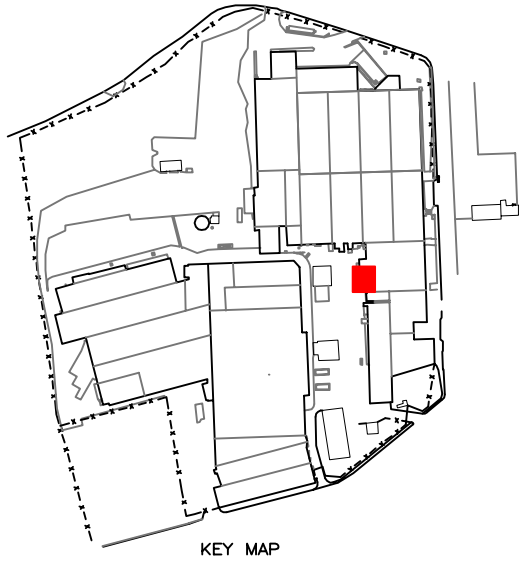


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REV. NO.:	DRAWING DATE:	ACAD FILE:
1	2/19/15	EQNRTH1301.01GG

**FORMER SOUTH LOT AREA
SL-23 ORIGINAL SAMPLE
LOCATION**

CLIENT: KONICA GRAPHIC IMAGING CO.		PM: DS
LOCATION: 71 CHARLES STREET GLEN COVE, NEW YORK		PE/RG:
DESIGNED: SEE SOURCE	DETAILED: DH	PROJECT NO.: EQNRTH1301.001
		FIGURE: 6-1



SL-EP#365	1'	4'
CHROMIUM	—	30.9
COPPER	123	146
LEAD	582	313
SILVER	8.7	10.5
ZINC	345	248
MERCURY	0.43	0.54
BENZO[a]ANTHRACENE	28	2.7
BENZO[a]PYRENE	24	2.8
BENZO[b]FLUORANTHENE	13	2.6
BENZO[k]FLUORANTHENE	7.0	1.3
CHRYSENE	30	3.0
DIBENZE(a,h)ANTHRACENE	2.3	0.65
INDENO(1,2,3-cd)PYRENE	8.0	2.0

SL-EP#375	1'	4'
COPPER	—	96.6
LEAD	513	805
SILVER	7.2	24.8
ZINC	315	516
MERCURY	0.22	0.25
BENZO[a]ANTHRACENE	5.0	2.0
BENZO[a]PYRENE	3.8	1.9
BENZO[b]FLUORANTHENE	3.1	2.2
BENZO[k]FLUORANTHENE	1.7	0.82
CHRYSENE	5.3	2.2
DIBENZE(a,h)ANTHRACENE	0.68	0.47
INDENO(1,2,3-cd)PYRENE	1.8	1.4

SL-EP#366	1'	4'
ARSENIC	19.8	—
CADMIUM	3.8	—
COPPER	334	1,140
LEAD	1,170	547
SILVER	19.5	36.0
ZINC	460	359
MERCURY	0.39	0.29
BENZO[a]ANTHRACENE	9.2	2.2
BENZO[a]PYRENE	6.1	2.0
BENZO[b]FLUORANTHENE	3.0	1.6
BENZO[k]FLUORANTHENE	4.3	1.1
CHRYSENE	9.3	2.3
DIBENZE(a,h)ANTHRACENE	3.6	—
INDENO(1,2,3-cd)PYRENE	2.8	1.3

SL-EP#137 (1')	
BENZO[b]FLUORANTHENE	1.0
INDENO(1,2,3-cd)PYRENE	0.53

SL-8/9/10
(COMPLETED AND BACKFILLED)

SL-EP#374	1'	4'
LEAD	307	65.6
SILVER	4.0	—
ZINC	242	—
MERCURY	0.24	—
BENZO[a]ANTHRACENE	7.1	—
BENZO[a]PYRENE	6.9	—
BENZO[b]FLUORANTHENE	5.7	—
BENZO[k]FLUORANTHENE	2.0	—
CHRYSENE	7.8	—
DIBENZE(a,h)ANTHRACENE	1.2	—
INDENO(1,2,3-cd)PYRENE	4.1	0.50

SL-EP#376	7'
LEAD	349
SILVER	47.2
ZINC	291
MERCURY	0.33
BENZO[a]ANTHRACENE	2.9
BENZO[a]PYRENE	2.3
BENZO[b]FLUORANTHENE	2.3
BENZO[k]FLUORANTHENE	0.88
CHRYSENE	3.1
DIBENZE(a,h)ANTHRACENE	0.48
INDENO(1,2,3-cd)PYRENE	1.3

SL-EP#364	1'	4'
CHROMIUM	—	39.2
COPPER	—	77.6
LEAD	636	—
SILVER	3.6	—
ZINC	351	—
MERCURY	0.30	0.49
BENZO[a]ANTHRACENE	5.4	—
BENZO[a]PYRENE	5.1	—
BENZO[b]FLUORANTHENE	3.8	—
BENZO[k]FLUORANTHENE	5.4	—
CHRYSENE	7.0	—
DIBENZE(a,h)ANTHRACENE	1.4	—
INDENO(1,2,3-cd)PYRENE	4.1	—

SL-EP#368 (5')	
SILVER	11.8

SL-EP#363 (1')	
BENZO[a]ANTHRACENE	7.2
BENZO[a]PYRENE	7.3
BENZO[b]FLUORANTHENE	5.1
BENZO[k]FLUORANTHENE	5.6
CHRYSENE	7.6
DIBENZE(a,h)ANTHRACENE	1.5
INDENO(1,2,3-cd)PYRENE	5.4

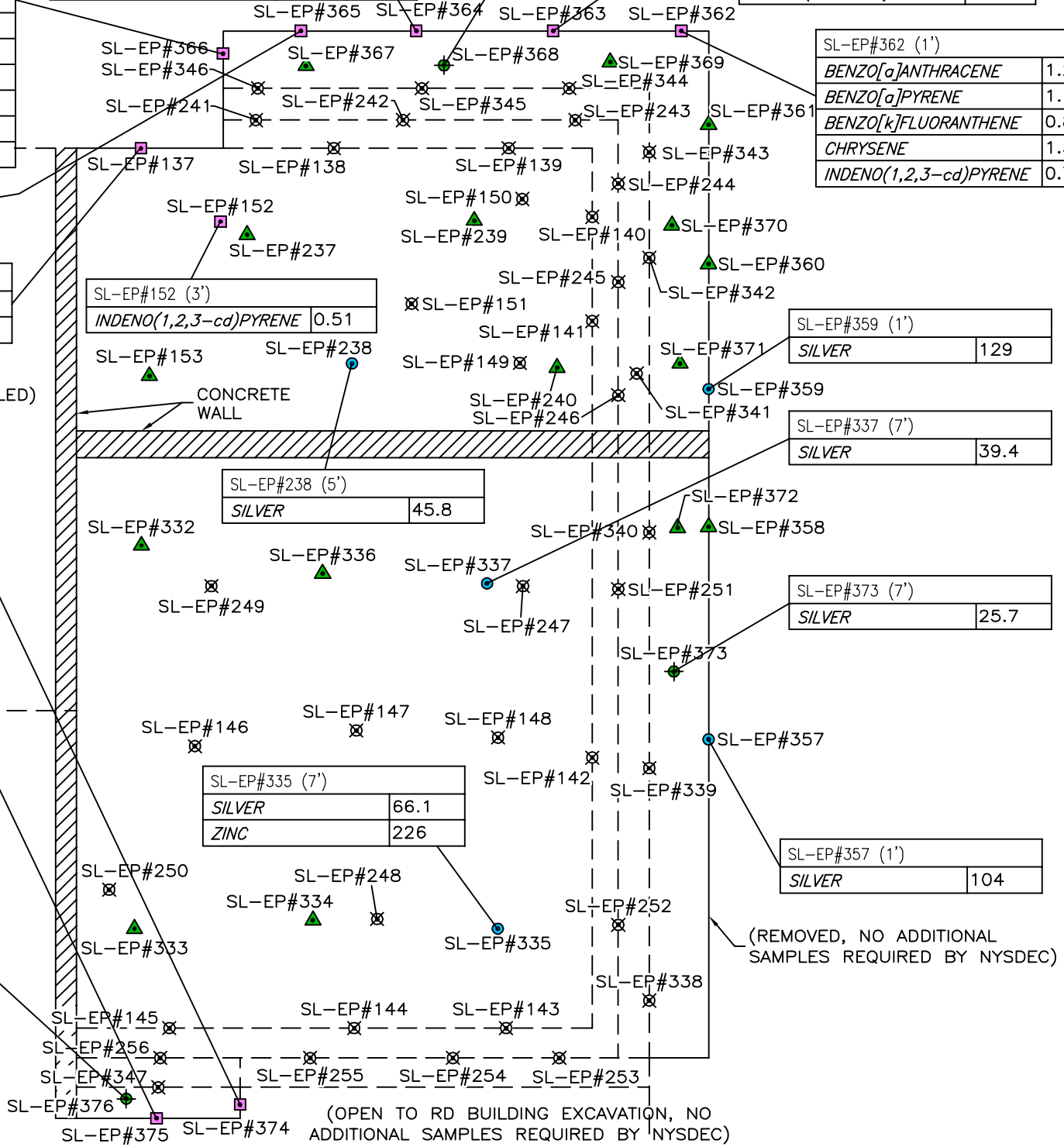
SL-EP#362 (1')	
BENZO[a]ANTHRACENE	1.2
BENZO[a]PYRENE	1.1
BENZO[k]FLUORANTHENE	0.85
CHRYSENE	1.3
INDENO(1,2,3-cd)PYRENE	0.73

SL-EP#359 (1')	
SILVER	129

SL-EP#337 (7')	
SILVER	39.4

SL-EP#373 (7')	
SILVER	25.7

SL-EP#357 (1')	
SILVER	104



LEGEND

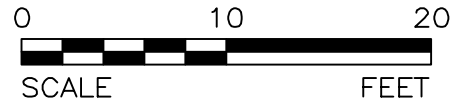
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DATA BOX LEGEND

SAMPLE ID	ANALYTICAL RESULT MG/KG
SL-EP#373 (7')	
SILVER	25.7

COMPOUND EXCEEDS SCOs

- EXTENT OF EXCAVATION
- APPROXIMATE LIMIT OF SUPPLEMENTAL EXCAVATION
- GREEN/ITALICIZED VALUE INDICATES ANALYTE EXCEEDED ITS RESPECTIVE UNRESTRICTED SCO BUT WAS BELOW ITS RESPECTIVE RESIDENTIAL/PROTECTION OF GW SCO, WHICHEVER IS LOWER.
- BLUE/ITALICIZED VALUE INDICATES ANALYTE EXCEEDED ITS RESPECTIVE RESIDENTIAL SCOs AND/OR PROTECTION OF GROUNDWATER SCO BUT WAS BELOW ITS RESTRICTED RESIDENTIAL SCO.
- PINK/ITALICIZED VALUE INDICATES ANALYTE EXCEEDED ITS RESPECTIVE RESIDENTIAL SCOs AND/OR PROTECTION OF GROUNDWATER SCO BUT WAS BELOW ITS COMMERCIAL SCO OR CONCENTRATION APPROVED BY NYSDEC

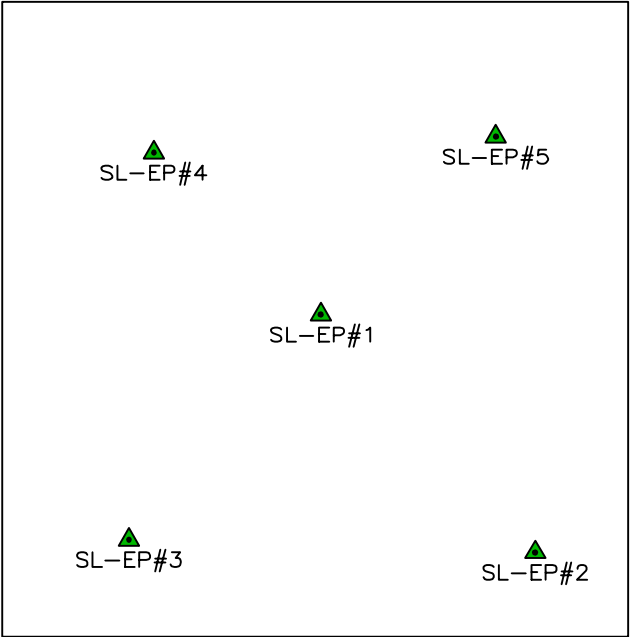
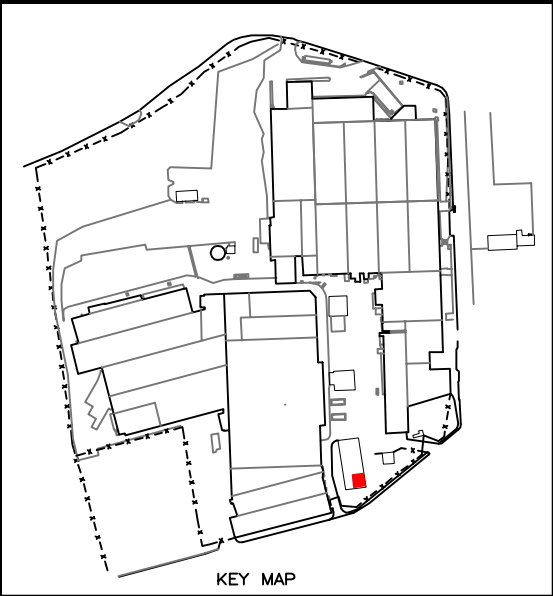


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**FORMER SOUTH LOT AREA
SL-33/34 / RD-4/6/7 ORIGINAL
SAMPLE LOCATION**

CLIENT: KONICA GRAPHIC IMAGING CO.		PM: DS
LOCATION: 71 CHARLES STREET GLEN COVE, NEW YORK		PE/RG:
DESIGNED: SEE SOURCE	DETAILED: DH	PROJECT NO.: EQNRTH1301.001
		FIGURE: 6-20



LEGEND

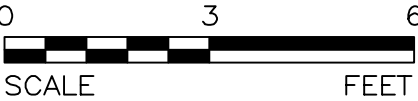
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- ENDPOINT SAMPLE LOCATION
- ENDPOINT SAMPLE LOCATION
- ENDPOINT SAMPLE LOCATION

DATA BOX LEGEND

SAMPLE ID	ANALYTICAL RESULT	MG/KG
SL-EP#303	SILVER	25.4

COMPOUND EXCEEDS SCOs

- EXTENT OF EXCAVATION
- GREEN/ITALICIZED VALUE INDICATES ANALYTE EXCEEDED ITS RESPECTIVE UNRESTRICTED SCO BUT WAS BELOW ITS RESPECTIVE RESIDENTIAL/PROTECTION OF GW SCO, WHICHEVER IS LOWER.
- BLUE/ITALICIZED VALUE INDICATES ANALYTE EXCEEDED ITS RESPECTIVE RESIDENTIAL SCOS AND/OR PROTECTION OF GROUNDWATER SCO BUT WAS BELOW ITS RESTRICTED RESIDENTIAL SCO.
- PINK/ITALICIZED VALUE INDICATES ANALYTE EXCEEDED ITS RESPECTIVE RESIDENTIAL SCOS AND/OR PROTECTION OF GROUNDWATER SCO BUT WAS BELOW ITS COMMERCIAL SCO OR CONCENTRATION APPROVED BY NYSDEC

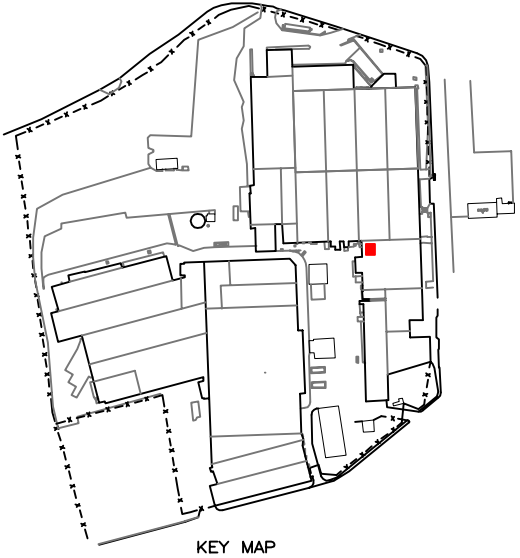


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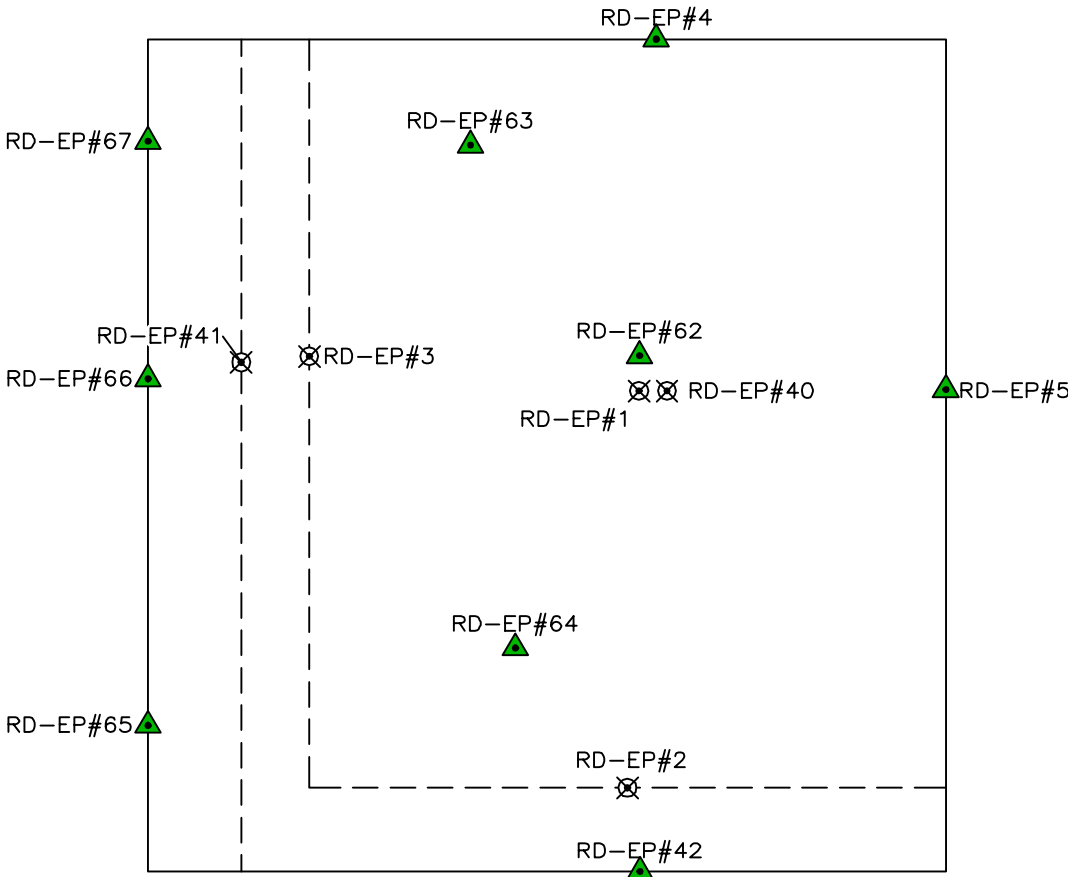
REV. NO.:	DRAWING DATE:	ACAD FILE:
1	3/21/15	EQNRTH1301.01HH

FORMER SOUTH LOT AREA
SL-31 ORIGINAL SAMPLE
LOCATION

CLIENT: KONICA GRAPHIC IMAGING CO.			PM: DS
LOCATION: 71 CHARLES STREET GLEN COVE, NEW YORK			PE/RG:
DESIGNED: SEE SOURCE	DETAILED: DH	PROJECT NO.: EQNRTH1301.001	FIGURE: 6-2



KEY MAP



LEGEND

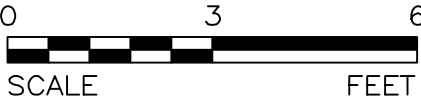
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- ENDPOINT SAMPLE LOCATION
- ENDPOINT SAMPLE LOCATION

DATA BOX LEGEND

SAMPLE ID	ANALYTICAL RESULT MG/KG	
B9-EP#19 (1')		
LEAD	1,340	
SILVER	1,940	

COMPOUND EXCEEDS SCOs

- EXTENT OF EXCAVATION
- APPROXIMATE LIMIT OF SUPPLEMENTAL EXCAVATION
- GREEN/ITALICIZED VALUE INDICATES ANALYTE EXCEEDED ITS RESPECTIVE UNRESTRICTED SCO BUT WAS BELOW ITS RESPECTIVE RESIDENTIAL/PROTECTION OF GW SCO, WHICHEVER IS LOWER.
- BLUE/ITALICIZED VALUE INDICATES ANALYTE EXCEEDED ITS RESPECTIVE RESIDENTIAL SCOS AND/OR PROTECTION OF GROUNDWATER SCO BUT WAS BELOW ITS RESTRICTED RESIDENTIAL SCO.
- PINK/ITALICIZED VALUE INDICATES ANALYTE EXCEEDED ITS RESPECTIVE RESIDENTIAL SCOS AND/OR PROTECTION OF GROUNDWATER SCO BUT WAS BELOW ITS COMMERCIAL SCO OR CONCENTRATION APPROVED BY NYSDEC



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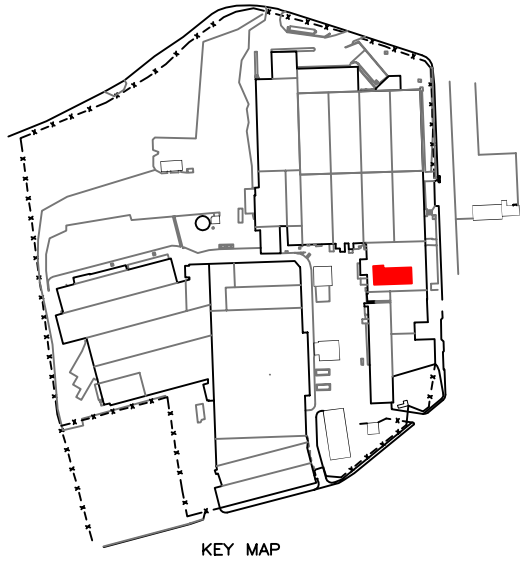
FORMER R&D BUILDING
RD-3 ORIGINAL SAMPLE LOCATION

CLIENT: KONICA GRAPHIC IMAGING CO.			PM: DS
LOCATION: 71 CHARLES STREET GLEN COVE, NEW YORK			PE/RG:
DESIGNED: SEE SOURCE	DETAILED: DH	PROJECT NO.: EQNRTH1301.001	FIGURE: 6-22

X-REF:

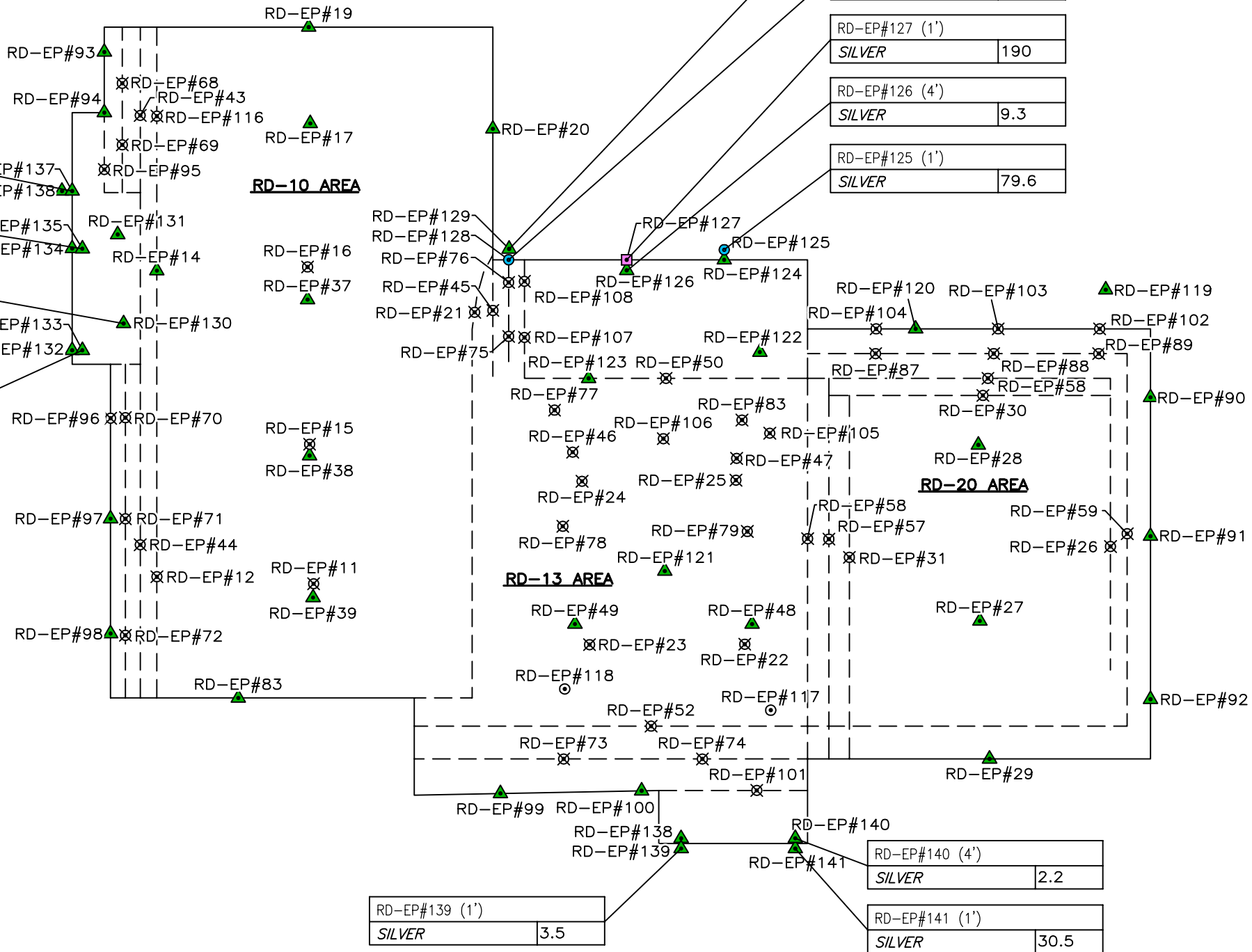
REPORT:

DRAWING FILE LOCATION: A:\Dropbox\Apex\EQNRTH1301.001_RPT Glencove, NY\EQNRTH1301.01Y.dwg



KEY MAP

RD-EP#137 (1')	
SILVER	2.8
RD-EP#135 (1')	
SILVER	26.9
RD-EP#130 (6')	
SILVER	25.4
RD-EP#133 (1')	
SILVER	18.2



LEGEND

- ENDPOINT SAMPLE LOCATION
- ENDPOINT SAMPLE LOCATION WHICH HAS BEEN REMEDIATED
- ENDPOINT SAMPLE LOCATION
- ENDPOINT SAMPLE LOCATION
- ENDPOINT SAMPLE LOCATION

DATA BOX LEGEND

SAMPLE ID	ANALYTICAL RESULT MG/KG
RD-EP#133 (1')	
SILVER	18.2

COMPOUND EXCEEDS SCOs

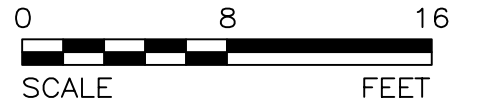
EXTENT OF EXCAVATION

APPROXIMATE LIMIT OF SUPPLEMENTAL EXCAVATION

GREEN/ITALICIZED VALUE INDICATES ANALYTE EXCEEDED ITS RESPECTIVE UNRESTRICTED SCO BUT WAS BELOW ITS RESPECTIVE RESIDENTIAL/PROTECTION OF GW SCO, WHICHEVER IS LOWER.

BLUE/ITALICIZED VALUE INDICATES ANALYTE EXCEEDED ITS RESPECTIVE RESIDENTIAL SCOs AND/OR PROTECTION OF GROUNDWATER SCO BUT WAS BELOW ITS RESTRICTED RESIDENTIAL SCO.

PINK/ITALICIZED VALUE INDICATES ANALYTE EXCEEDED ITS RESPECTIVE RESIDENTIAL SCOs AND/OR PROTECTION OF GROUNDWATER SCO BUT WAS BELOW ITS COMMERCIAL SCO OR CONCENTRATION APPROVED BY NYSDEC



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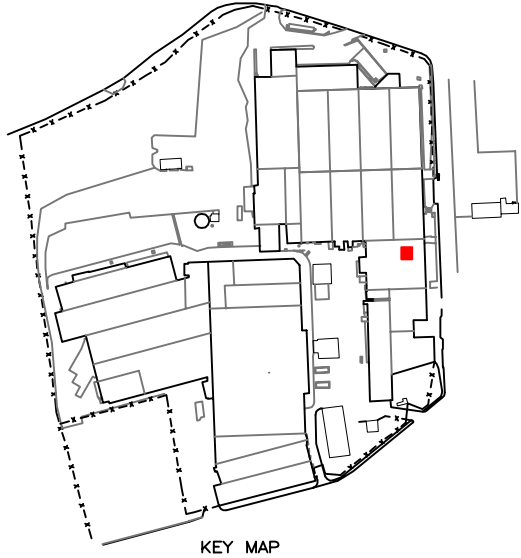
**FORMER R&D BUILDING
RD-10/11/12/13/20 ORIGINAL
SAMPLE LOCATION**

CLIENT: KONICA GRAPHIC IMAGING CO.		PM: DS
LOCATION: 71 CHARLES STREET GLEN COVE, NEW YORK		PE/RG:
DESIGNED: SEE SOURCE	DETAILED: DH	PROJECT NO.: EQNRTH1301.001
		FIGURE: 6-23

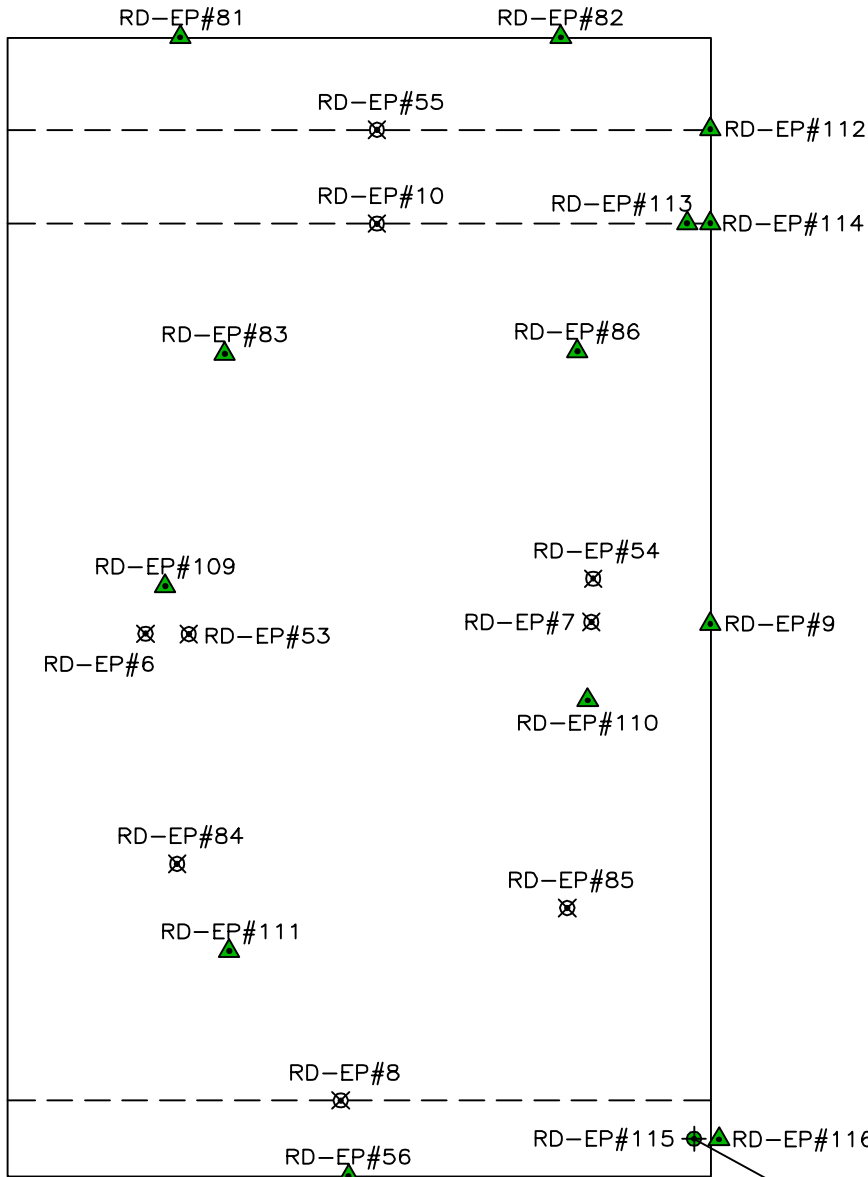
X-REF:

REPORT:

DRAWING FILE LOCATION: A:\Dropbox\Apex\EQNRTH1301.001_RPT Glencove, NY\EQNRTH1301.01X.dwg



KEY MAP



RD-EP#115(4')	
SILVER	2.9



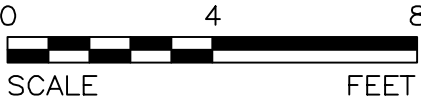
LEGEND

- ENDPOINT SAMPLE LOCATION
- ENDPOINT SAMPLE LOCATION WHICH HAS BEEN REMEDIATED
- ENDPOINT SAMPLE LOCATION
- ENDPOINT SAMPLE LOCATION
- ENDPOINT SAMPLE LOCATION

DATA BOX LEGEND

SAMPLE ID	ANALYTICAL RESULT	MG/KG
RD-EP#115(4')	SILVER	2.9
COMPOUND EXCEEDS SCOs		

- EXTENT OF EXCAVATION
- APPROXIMATE LIMIT OF SUPPLEMENTAL EXCAVATION
- GREEN/ITALICIZED VALUE INDICATES ANALYTE EXCEEDED ITS RESPECTIVE UNRESTRICTED SCO BUT WAS BELOW ITS RESPECTIVE RESIDENTIAL/PROTECTION OF GW SCO, WHICHEVER IS LOWER.
- BLUE/ITALICIZED VALUE INDICATES ANALYTE EXCEEDED ITS RESPECTIVE RESIDENTIAL SCOS AND/OR PROTECTION OF GROUNDWATER SCO BUT WAS BELOW ITS RESTRICTED RESIDENTIAL SCO.
- PINK/ITALICIZED VALUE INDICATES ANALYTE EXCEEDED ITS RESPECTIVE RESIDENTIAL SCOS AND/OR PROTECTION OF GROUNDWATER SCO BUT WAS BELOW ITS COMMERCIAL SCO OR CONCENTRATION APPROVED BY NYSDEC

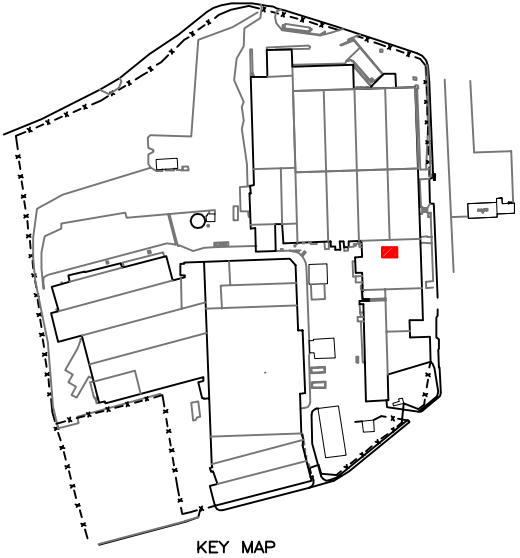


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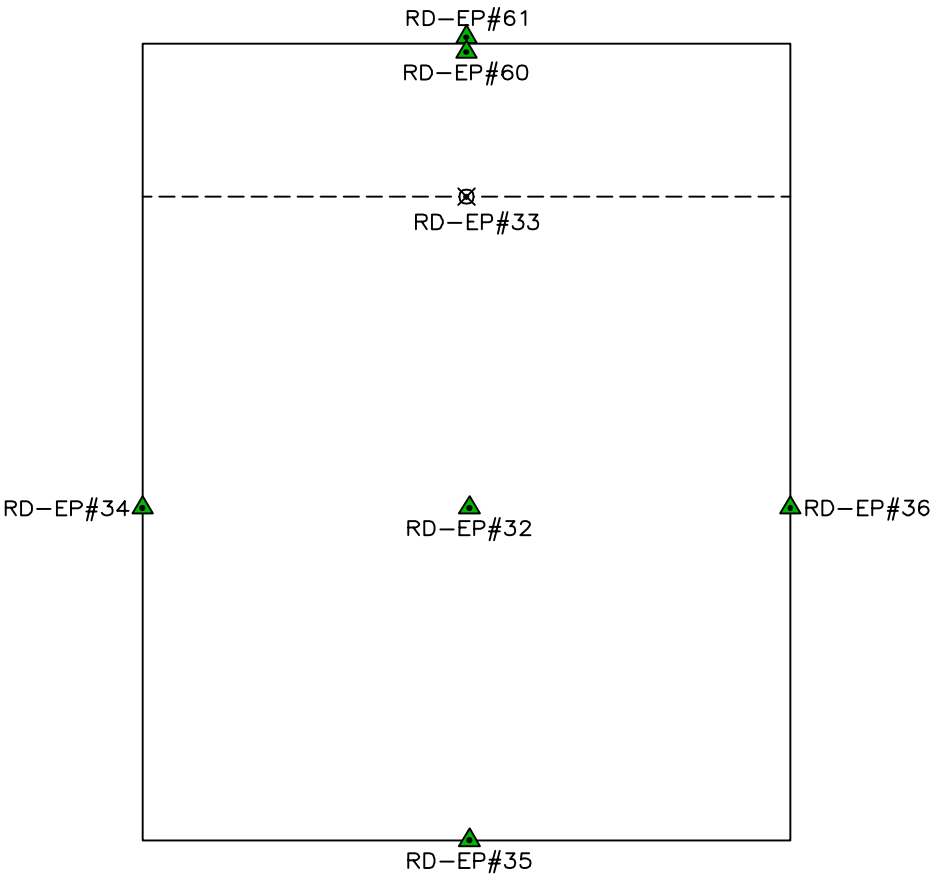
REV. NO.: 1	DRAWING DATE: 3/21/15	ACAD FILE: EQNRTH1301.01X

FORMER R&D BUILDING
RD-17 ORIGINAL SAMPLE LOCATION

CLIENT: KONICA GRAPHIC IMAGING CO.			PM: DS
LOCATION: 71 CHARLES STREET GLEN COVE, NEW YORK			PE/RG:
DESIGNED: SEE SOURCE	DETAILED: DH	PROJECT NO.: EQNRTH1301.001	FIGURE: 6-24



KEY MAP



LEGEND

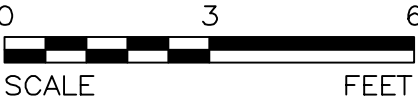
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- ENDPOINT SAMPLE LOCATION WHICH HAS BEEN REMEDIATED
- ENDPOINT SAMPLE LOCATION
- ENDPOINT SAMPLE LOCATION
- ENDPOINT SAMPLE LOCATION

DATA BOX LEGEND

SAMPLE ID	ANALYTICAL RESULT	MG/KG
B9-EP#8 (9')	SILVER	4.0

COMPOUND EXCEEDS SCOs

- EXTENT OF EXCAVATION
- APPROXIMATE LIMIT OF SUPPLEMENTAL EXCAVATION
- GREEN/ITALICIZED VALUE INDICATES ANALYTE EXCEEDED ITS RESPECTIVE UNRESTRICTED SCO BUT WAS BELOW ITS RESPECTIVE RESIDENTIAL/PROTECTION OF GW SCO, WHICHEVER IS LOWER.
- BLUE/ITALICIZED VALUE INDICATES ANALYTE EXCEEDED ITS RESPECTIVE RESIDENTIAL SCOS AND/OR PROTECTION OF GROUNDWATER SCO BUT WAS BELOW ITS RESTRICTED RESIDENTIAL SCO.
- PINK/ITALICIZED VALUE INDICATES ANALYTE EXCEEDED ITS RESPECTIVE RESIDENTIAL SCOS AND/OR PROTECTION OF GROUNDWATER SCO BUT WAS BELOW ITS COMMERCIAL SCO OR CONCENTRATION APPROVED BY NYSDEC

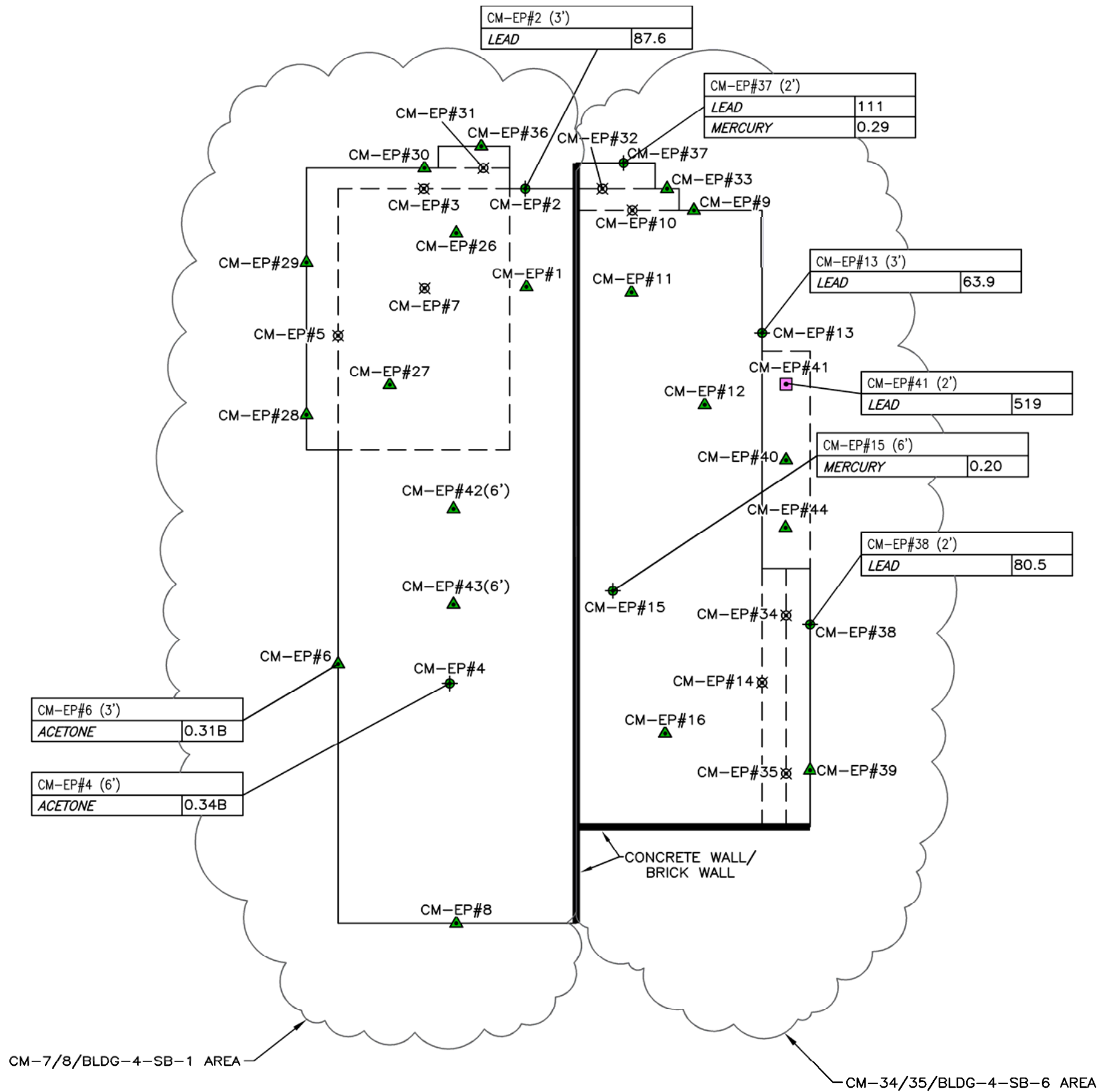
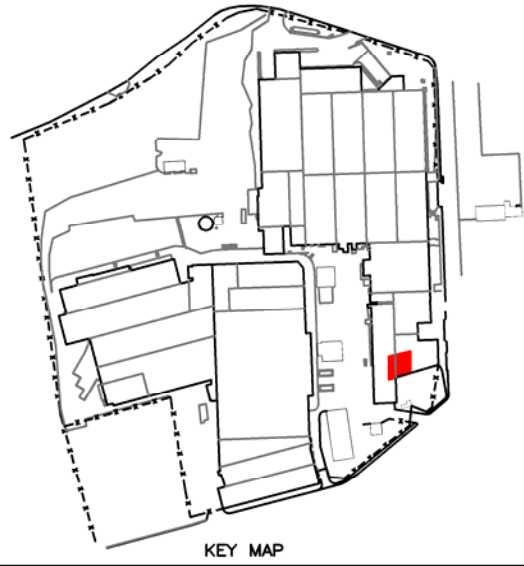


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REV. NO.: 1	DRAWING DATE: 3/21/15	ACAD FILE: EQNRTH1301.01C

**FORMER R&D BUILDING
BLDG 2 - EARTHEN PITS
ORIGINAL SAMPLE LOCATION**

CLIENT: KONICA GRAPHIC IMAGING CO.			PM: D
LOCATION: 71 CHARLES STREET GLEN COVE, NEW YORK			PE/R
DESIGNED: SEE SOURCE	DETAILED: DH	PROJECT NO.: EQNRTH1301.001	FIGURE: 6-2



LEGEND

- ENDPOINT SAMPLE LOCATION
- ENDPOINT SAMPLE LOCATION WHICH HAS BEEN REMEDIATED
- ENDPOINT SAMPLE LOCATION
- ENDPOINT SAMPLE LOCATION
- ENDPOINT SAMPLE LOCATION

DATA BOX LEGEND

SAMPLE ID	ANALYTICAL RESULT MG/KG
CM-EP#37 (2')	
LEAD	111
MERCURY	0.29

COMPOUND EXCEEDS SCOs

- EXTENT OF EXCAVATION
- APPROXIMATE LIMIT OF SUPPLEMENTAL EXCAVATION
- GREEN/ITALICIZED VALUE INDICATES ANALYTE EXCEEDED ITS RESPECTIVE UNRESTRICTED SCO BUT WAS BELOW ITS RESPECTIVE RESIDENTIAL/PROTECTION OF GW SCO, WHICHEVER IS LOWER.
- BLUE/ITALICIZED VALUE INDICATES ANALYTE EXCEEDED ITS RESPECTIVE RESIDENTIAL SCOs AND/OR PROTECTION OF GROUNDWATER SCO BUT WAS BELOW ITS RESTRICTED RESIDENTIAL SCO.
- PINK/ITALICIZED VALUE INDICATES ANALYTE EXCEEDED ITS RESPECTIVE RESIDENTIAL SCOs AND/OR PROTECTION OF GROUNDWATER SCO BUT WAS BELOW ITS COMMERCIAL SCO OR CONCENTRATION APPROVED BY NYSDEC



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1	1/5/16	EQNRTH1301.01K

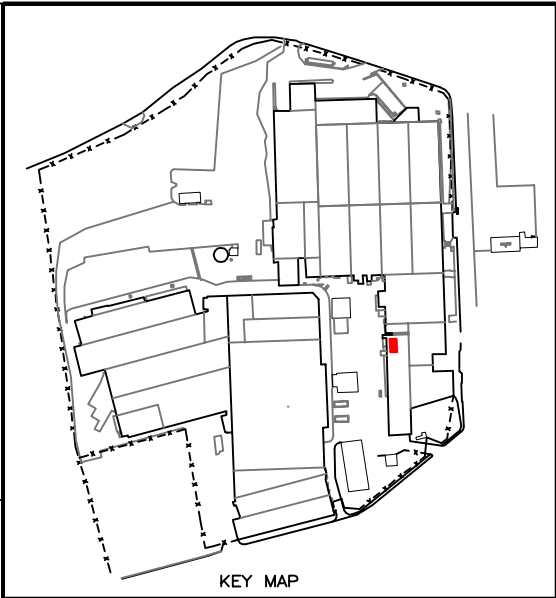
**FORMER CHEMICAL MIXING BUILDING
CM-7/8 & CM-34/35 ORIGINAL SAMPLE
LOCATION**

CLIENT: KONICA GRAPHIC IMAGING CO.		PM: DS
LOCATION: 71 CHARLES STREET GLEN COVE, NEW YORK		PE/RG:
DESIGNED: SEE SOURCE	DETAILED: DH	PROJECT NO.: EQNRTH1301.001
		FIGURE: 6-26

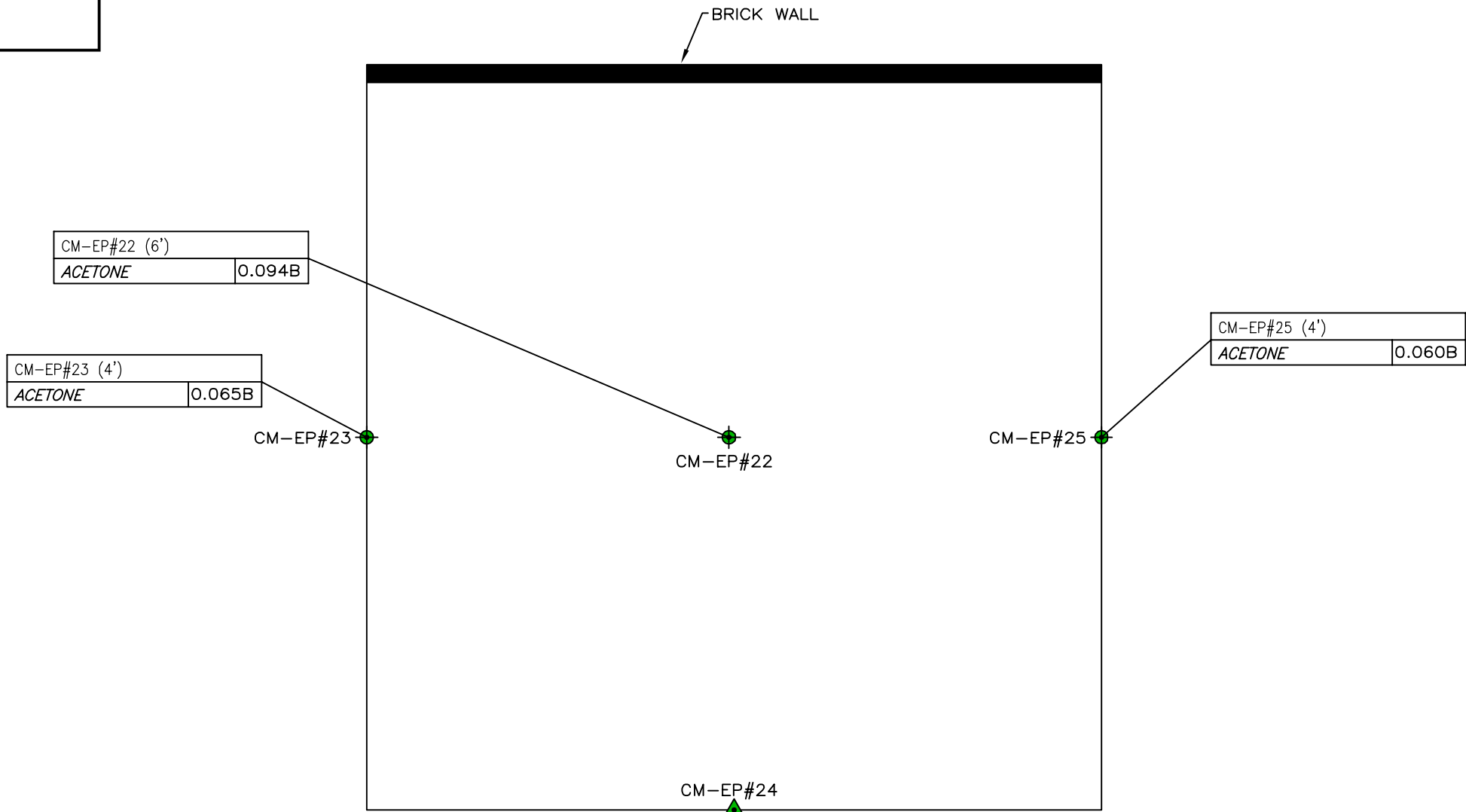
X-REF:

REPORT:

DRAWING FILE LOCATION: A:\Dropbox\Apex\EQNRTH1301.001_RPT Glencove, NY\EQNRTH1301.01L.dwg



KEY MAP



LEGEND

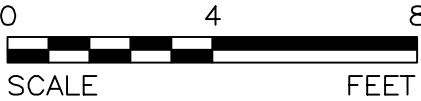
- ENDPOINT SAMPLE LOCATION
- ENDPOINT SAMPLE LOCATION WHICH HAS BEEN REMEDIATED
- ENDPOINT SAMPLE LOCATION
- ENDPOINT SAMPLE LOCATION
- ENDPOINT SAMPLE LOCATION

DATA BOX LEGEND

SAMPLE ID	ANALYTICAL RESULT	MG/KG
CM-EP#22 (6')	ACETONE	0.094B

COMPOUND EXCEEDS SCOs

- EXTENT OF EXCAVATION
- APPROXIMATE LIMIT OF SUPPLEMENTAL EXCAVATION
- GREEN/ITALICIZED VALUE INDICATES ANALYTE EXCEEDED ITS RESPECTIVE UNRESTRICTED SCO BUT WAS BELOW ITS RESPECTIVE RESIDENTIAL/PROTECTION OF GW SCO, WHICHEVER IS LOWER.
- BLUE/ITALICIZED VALUE INDICATES ANALYTE EXCEEDED ITS RESPECTIVE RESIDENTIAL SCOS AND/OR PROTECTION OF GROUNDWATER SCO BUT WAS BELOW ITS RESTRICTED RESIDENTIAL SCO.
- PINK/ITALICIZED VALUE INDICATES ANALYTE EXCEEDED ITS RESPECTIVE RESIDENTIAL SCOS AND/OR PROTECTION OF GROUNDWATER SCO BUT WAS BELOW ITS COMMERCIAL SCO OR CONCENTRATION APPROVED BY NYSDEC

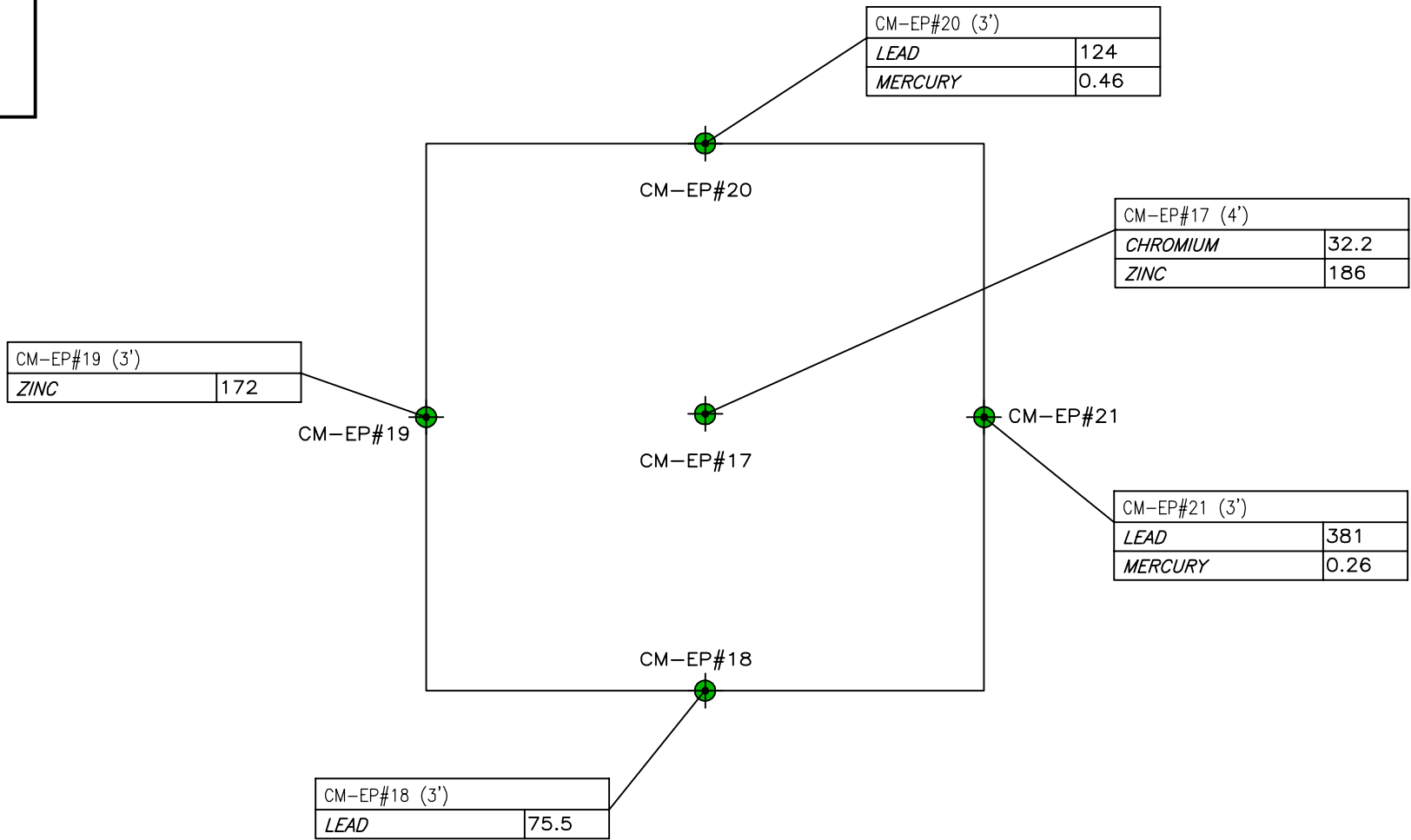
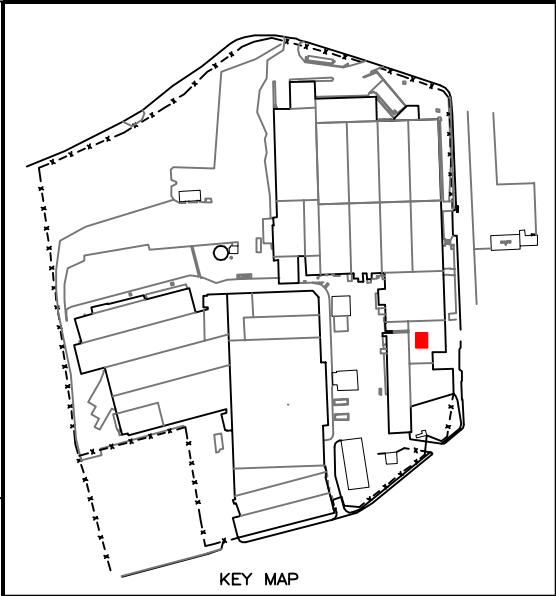


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1	3/21/15	EQNRTH1301.01L

FORMER CHEMICAL MIXING BUILDING
CM-21 ORIGINAL SAMPLE LOCATION

CLIENT: KONICA GRAPHIC IMAGING CO.			PM: DS
LOCATION: 71 CHARLES STREET GLEN COVE, NEW YORK			PE/RG:
DESIGNED: SEE SOURCE	DETAILED: DH	PROJECT NO.: EQNRTH1301.001	FIGURE: 6-27



LEGEND

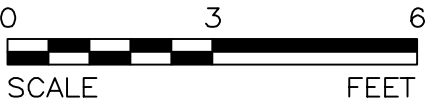
- ENDPOINT SAMPLE LOCATION
- ENDPOINT SAMPLE LOCATION WHICH HAS BEEN REMEDIATED
- ENDPOINT SAMPLE LOCATION
- ENDPOINT SAMPLE LOCATION
- ENDPOINT SAMPLE LOCATION

DATA BOX LEGEND

SAMPLE ID	ANALYTICAL RESULT MG/KG	
CM-EP#20 (3')		
	LEAD	124
	MERCURY	0.46

COMPOUND EXCEEDS SCOs

- EXTENT OF EXCAVATION
- APPROXIMATE LIMIT OF SUPPLEMENTAL EXCAVATION
- GREEN/ITALICIZED VALUE INDICATES ANALYTE EXCEEDED ITS RESPECTIVE UNRESTRICTED SCO BUT WAS BELOW ITS RESPECTIVE RESIDENTIAL/PROTECTION OF GW SCO, WHICHEVER IS LOWER.
- BLUE/ITALICIZED VALUE INDICATES ANALYTE EXCEEDED ITS RESPECTIVE RESIDENTIAL SCOs AND/OR PROTECTION OF GROUNDWATER SCO BUT WAS BELOW ITS RESTRICTED RESIDENTIAL SCO.
- PINK/ITALICIZED VALUE INDICATES ANALYTE EXCEEDED ITS RESPECTIVE RESIDENTIAL SCOs AND/OR PROTECTION OF GROUNDWATER SCO BUT WAS BELOW ITS COMMERCIAL SCO OR CONCENTRATION APPROVED BY NYSDEC

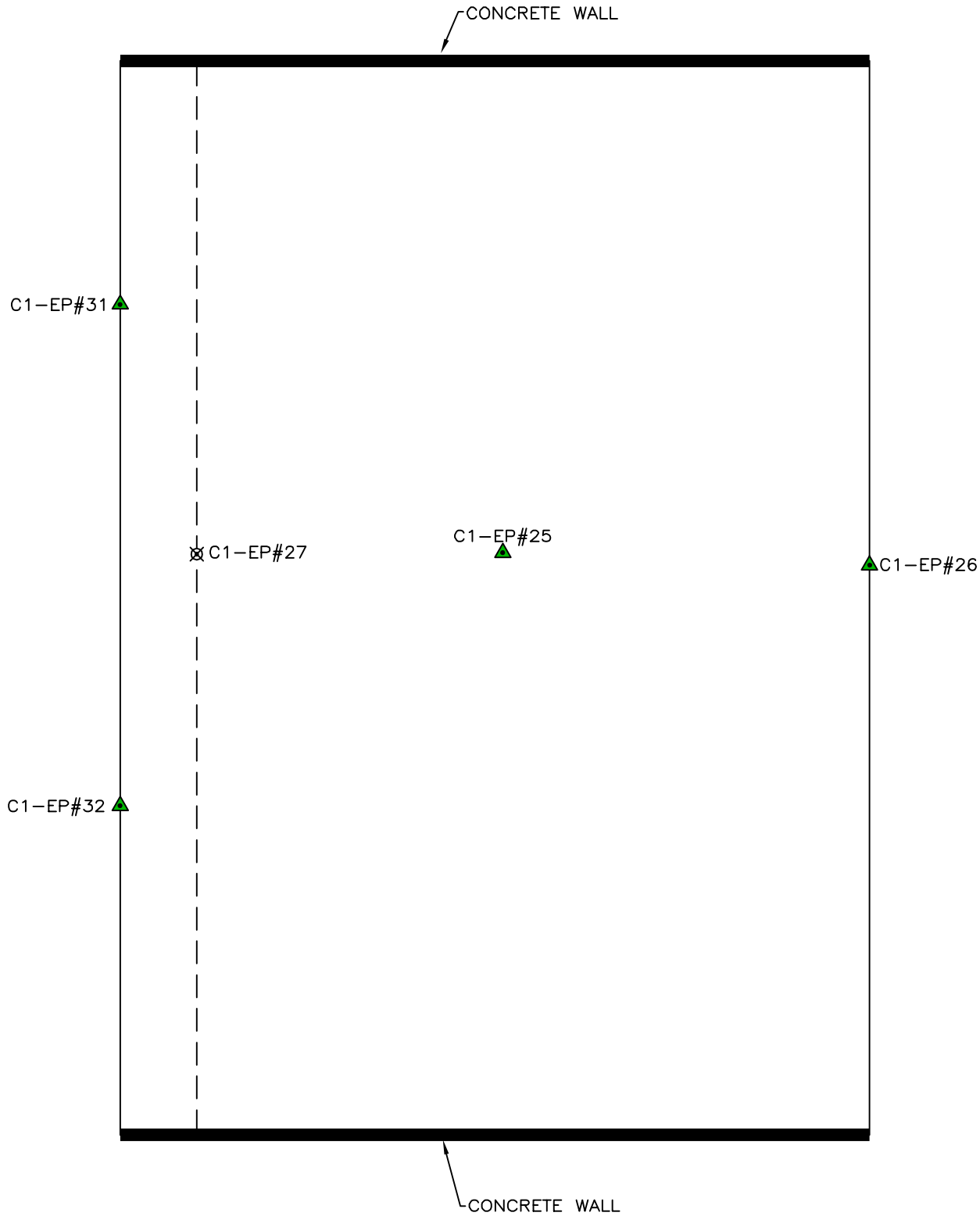
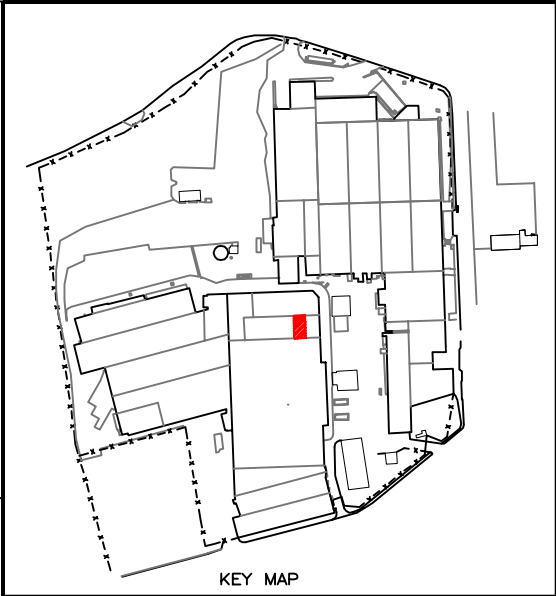


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FORMER CHEMICAL MIXING BUILDING
CM-33 ORIGINAL SAMPLE LOCATION

CLIENT: KONICA GRAPHIC IMAGING CO.			PM: DS
LOCATION: 71 CHARLES STREET GLEN COVE, NEW YORK			PE/RG:
DESIGNED: SEE SOURCE	DETAILED: DH	PROJECT NO.: EQNRTH1301.001	FIGURE: 6-2



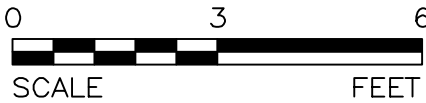
LEGEND

- ENDPOINT SAMPLE LOCATION
- ENDPOINT SAMPLE LOCATION WHICH HAS BEEN REMEDIATED
- ENDPOINT SAMPLE LOCATION
- ENDPOINT SAMPLE LOCATION
- ENDPOINT SAMPLE LOCATION

DATA BOX LEGEND

SAMPLE ID	ANALYTICAL RESULT MG/KG	
B9-EP#19 (1')		
	LEAD	1,340
	SILVER	1,940
COMPOUND EXCEEDS SCOs		

- EXTENT OF EXCAVATION
- APPROXIMATE LIMIT OF SUPPLEMENTAL EXCAVATION
- GREEN/ITALICIZED VALUE INDICATES ANALYTE EXCEEDED ITS RESPECTIVE UNRESTRICTED SCO BUT WAS BELOW ITS RESPECTIVE RESIDENTIAL/PROTECTION OF GW SCO, WHICHEVER IS LOWER.
- BLUE/ITALICIZED VALUE INDICATES ANALYTE EXCEEDED ITS RESPECTIVE RESIDENTIAL SCOS AND/OR PROTECTION OF GROUNDWATER SCO BUT WAS BELOW ITS RESTRICTED RESIDENTIAL SCO.
- PINK/ITALICIZED VALUE INDICATES ANALYTE EXCEEDED ITS RESPECTIVE RESIDENTIAL SCOS AND/OR PROTECTION OF GROUNDWATER SCO BUT WAS BELOW ITS COMMERCIAL SCO OR CONCENTRATION APPROVED BY NYSDEC



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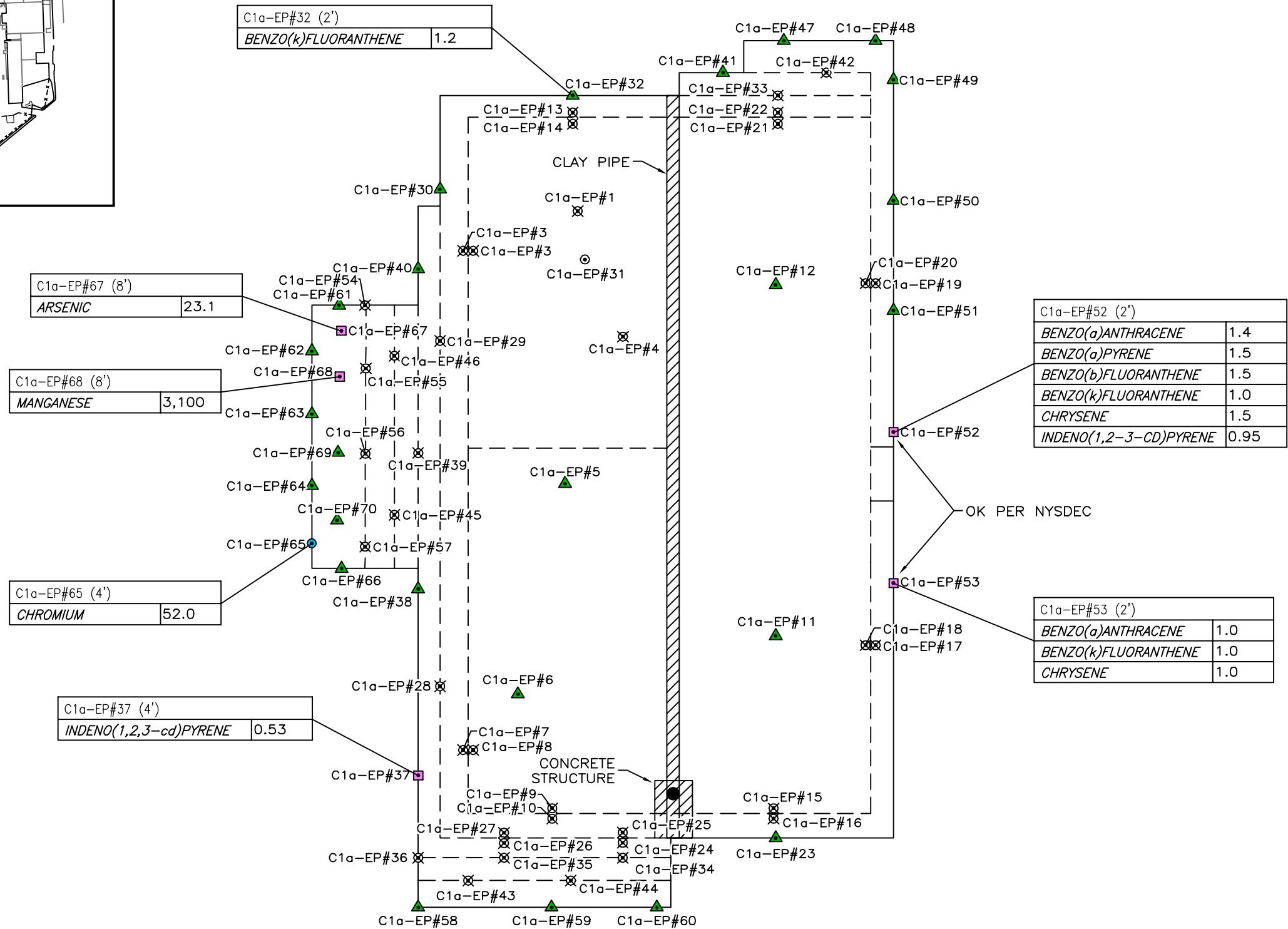
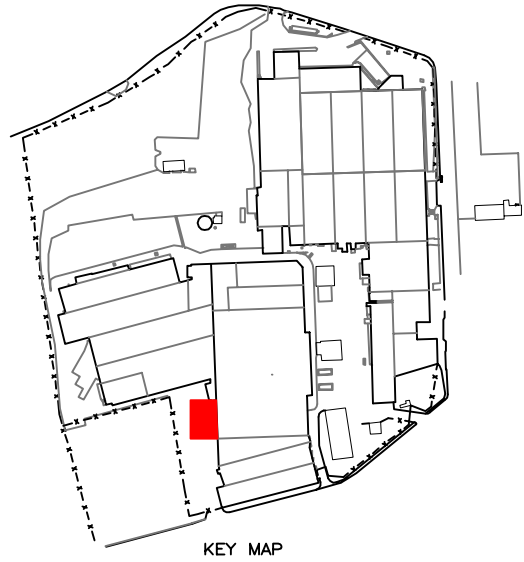
REV. NO.: 1	DRAWING DATE: 3/21/15	ACAD FILE: EQNRTH1301.01E

FORMER COLUMBIA BUILDING NO. 1
C1-4 ORIGINAL SAMPLE LOCATION

CLIENT: KONICA GRAPHIC IMAGING CO.		PM: DS	
LOCATION: 71 CHARLES STREET GLEN COVE, NEW YORK		PE/RG:	
DESIGNED: SEE SOURCE	DETAILED: DH	PROJECT NO.: EQNRTH1301.001	FIGURE: 6-29

X-REF:

DRAWING FILE LOCATION: A:\Dropbox\Apex\EQNRTH1301.001_RPT Glencove, NY\EQNRTH1301.01KK.dwg REPORT:



LEGEND

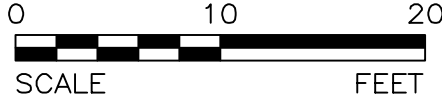
- ENDPOINT SAMPLE LOCATION
- ENDPOINT SAMPLE LOCATION WHICH HAS BEEN REMEDIATED
- ENDPOINT SAMPLE LOCATION
- ENDPOINT SAMPLE LOCATION
- ENDPOINT SAMPLE LOCATION

DATA BOX LEGEND

SAMPLE ID	ANALYTICAL RESULT MG/KG
C1a-EP#67 (8')	
ARSENIC	23.1

COMPOUND EXCEEDS SCOs

- EXTENT OF EXCAVATION
- APPROXIMATE LIMIT OF SUPPLEMENTAL EXCAVATION
- GREEN/ITALICIZED VALUE INDICATES ANALYTE EXCEEDED ITS RESPECTIVE UNRESTRICTED SCO BUT WAS BELOW ITS RESPECTIVE RESIDENTIAL/PROTECTION OF GW SCO, WHICHEVER IS LOWER.
- BLUE/ITALICIZED VALUE INDICATES ANALYTE EXCEEDED ITS RESPECTIVE RESIDENTIAL SCOs AND/OR PROTECTION OF GROUNDWATER SCO BUT WAS BELOW ITS RESTRICTED RESIDENTIAL SCO.
- PINK/ITALICIZED VALUE INDICATES ANALYTE EXCEEDED ITS RESPECTIVE RESIDENTIAL SCOs AND/OR PROTECTION OF GROUNDWATER SCO BUT WAS BELOW ITS COMMERCIAL SCO OR CONCENTRATION APPROVED BY NYSDEC



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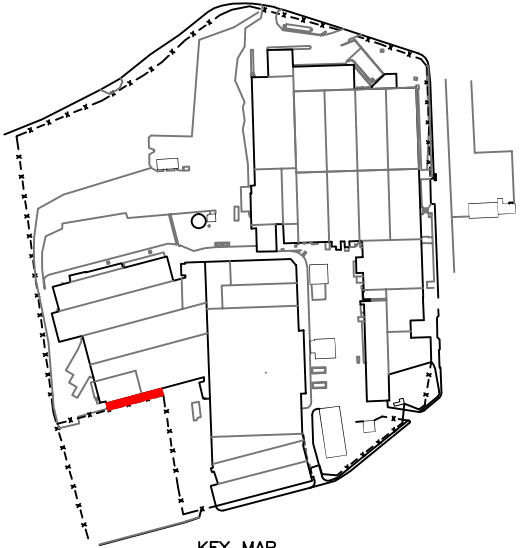
FORMER COLUMBIA BUILDING
SOUTH C1a AREA

CLIENT: KONICA GRAPHIC IMAGING CO.		PM: DS
LOCATION: 71 CHARLES STREET GLEN COVE, NEW YORK		PE/RG:
DESIGNED: SEE SOURCE	DETAILED: DH	PROJECT NO.: EQNRTH1301.001
		FIGURE: 6-3

X-REF:

REPORT:

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KEY MAP



LEGEND

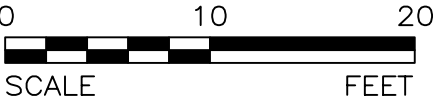
- ENDPOINT SAMPLE LOCATION
- ENDPOINT SAMPLE LOCATION WHICH HAS BEEN REMEDIATED
- ENDPOINT SAMPLE LOCATION
- ENDPOINT SAMPLE LOCATION
- ENDPOINT SAMPLE LOCATION

DATA BOX LEGEND

SAMPLE ID	ANALYTICAL RESULT	MG/KG
CI-EP#4 (8')	SILVER	2.2

COMPOUND EXCEEDS SCOs

- EXTENT OF EXCAVATION
- APPROXIMATE LIMIT OF SUPPLEMENTAL EXCAVATION
- GREEN/ITALICIZED VALUE INDICATES ANALYTE EXCEEDED ITS RESPECTIVE UNRESTRICTED SCO BUT WAS BELOW ITS RESPECTIVE RESIDENTIAL/PROTECTION OF GW SCO, WHICHEVER IS LOWER.
- BLUE/ITALICIZED VALUE INDICATES ANALYTE EXCEEDED ITS RESPECTIVE RESIDENTIAL SCOS AND/OR PROTECTION OF GROUNDWATER SCO BUT WAS BELOW ITS RESTRICTED RESIDENTIAL SCO.
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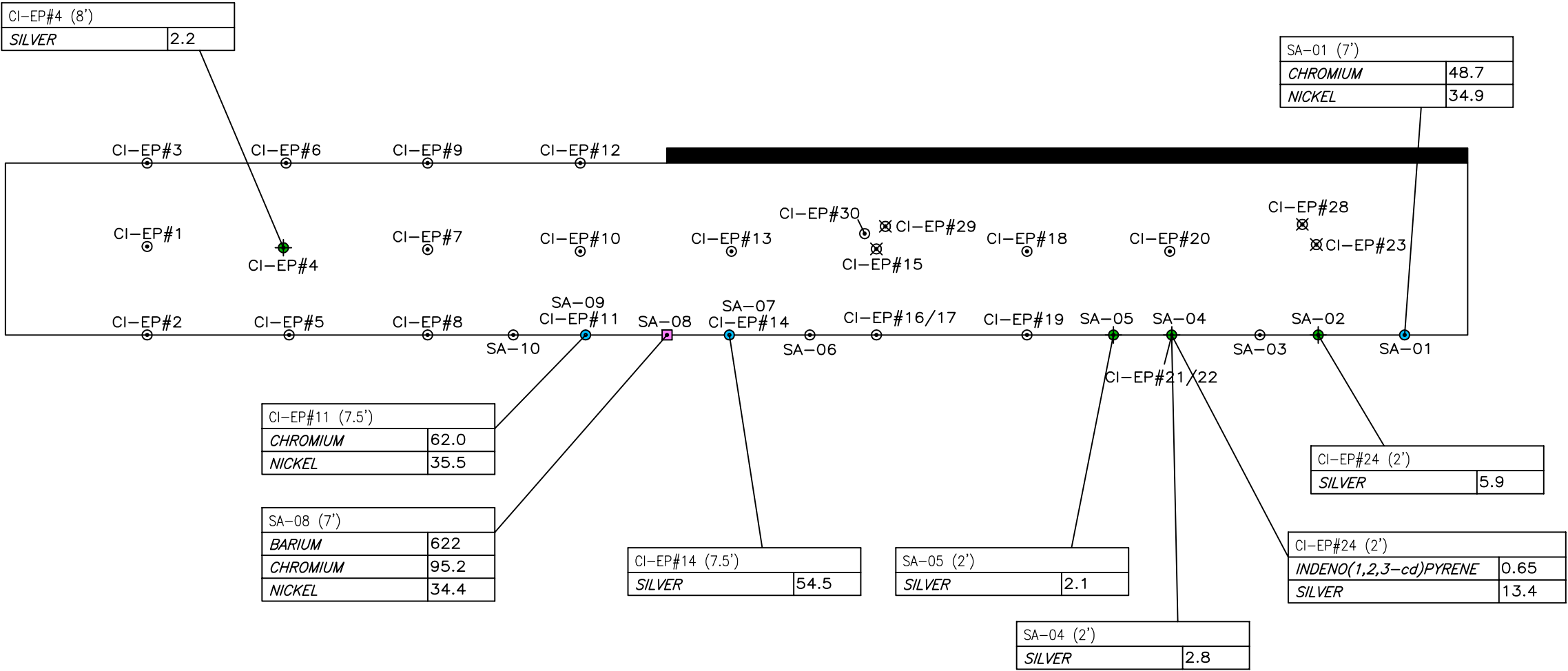


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REV. NO.: 1	DRAWING DATE: 7/21/15	ACAD FILE: EQNRTH1301.01JJ

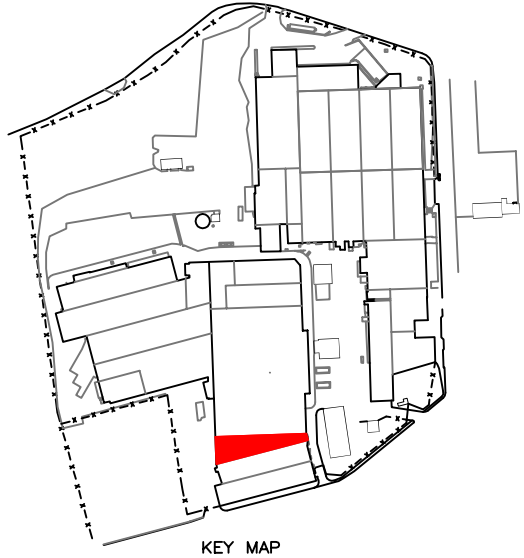
FORMER SOUTH ALLEYWAY

CLIENT: KONICA GRAPHIC IMAGING CO.			PM: DS
LOCATION: 71 CHARLES STREET GLEN COVE, NEW YORK			PE/RG:
DESIGNED: SEE SOURCE	DETAILED: DH	PROJECT NO.: EQNRTH1301.001	FIGURE: 6-31



X-REF:

DRAWING FILE LOCATION: A:\Dropbox\Apex\EQNRTH1301.001_RPT Glencove, NY\EQNRTH1301.01NN.dwg REPORT:



KEY MAP



LEGEND

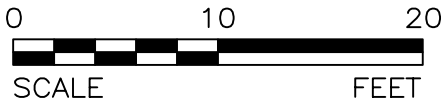
- ENDPOINT SAMPLE LOCATION
- ENDPOINT SAMPLE LOCATION WHICH HAS BEEN REMEDIATED
- ENDPOINT SAMPLE LOCATION
- ENDPOINT SAMPLE LOCATION
- ENDPOINT SAMPLE LOCATION

DATA BOX LEGEND

SAMPLE ID	ANALYTICAL RESULT MG/KG
W-EP#15 (5')	
CHROMIUM	69.1
NICKEL	33.0

COMPOUND EXCEEDS SCOs

- EXTENT OF EXCAVATION
- APPROXIMATE LIMIT OF SUPPLEMENTAL EXCAVATION
- GREEN/ITALICIZED VALUE INDICATES ANALYTE EXCEEDED ITS RESPECTIVE UNRESTRICTED SCO BUT WAS BELOW ITS RESPECTIVE RESIDENTIAL/PROTECTION OF GW SCO, WHICHEVER IS LOWER.
- BLUE/ITALICIZED VALUE INDICATES ANALYTE EXCEEDED ITS RESPECTIVE RESIDENTIAL SCOs AND/OR PROTECTION OF GROUNDWATER SCO BUT WAS BELOW ITS RESTRICTED RESIDENTIAL SCO.
- PINK/ITALICIZED VALUE INDICATES ANALYTE EXCEEDED ITS RESPECTIVE RESIDENTIAL SCOs AND/OR PROTECTION OF GROUNDWATER SCO BUT WAS BELOW ITS COMMERCIAL SCO OR CONCENTRATION APPROVED BY NYSDEC

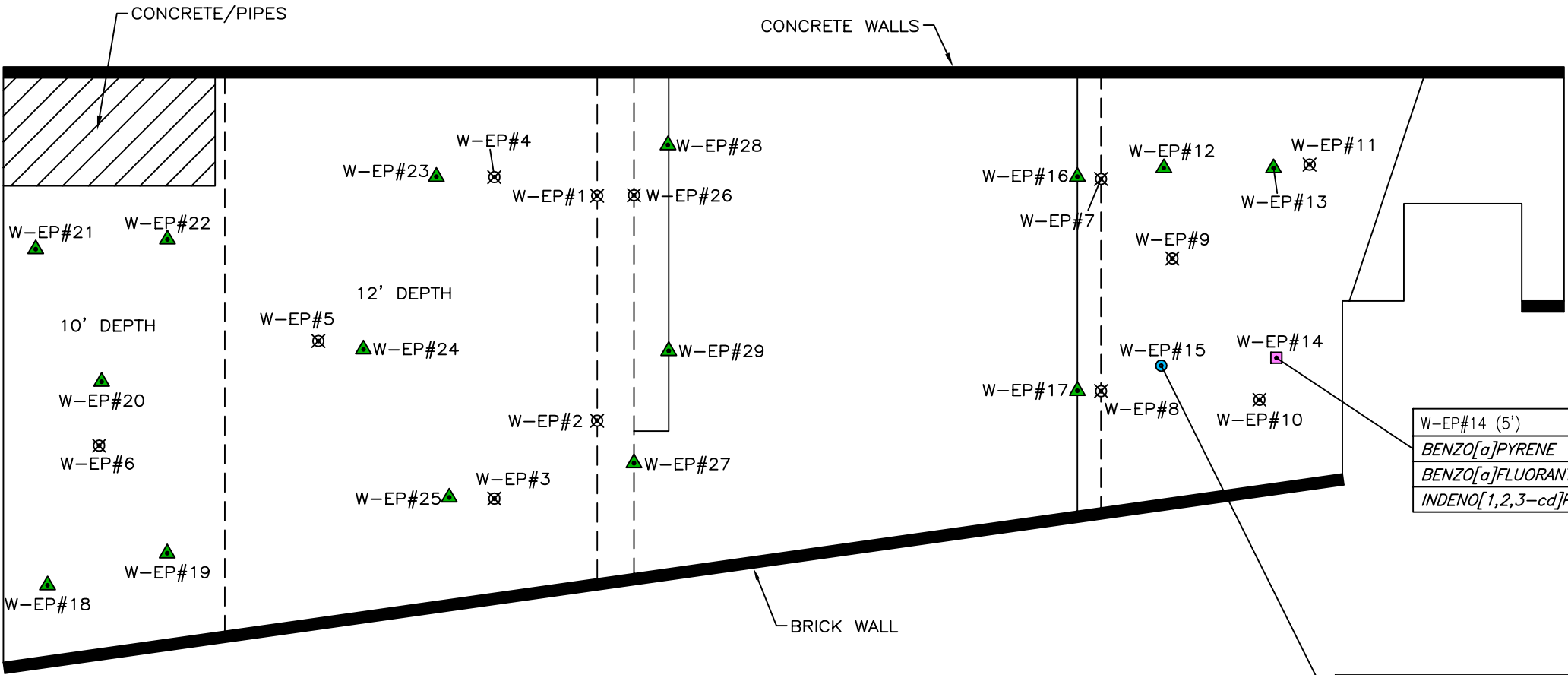


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REV. NO.:	DRAWING DATE:	ACAD FILE:
1	7/21/15	EQNRTH1301.01NN

FORMER WEDGE BUILDING

CLIENT: KONICA GRAPHIC IMAGING CO.		PM: DS
LOCATION: 71 CHARLES STREET GLEN COVE, NEW YORK		PE/RG:
DESIGNED: SEE SOURCE	DETAILED: DH	PROJECT NO.: EQNRTH1301.001
		FIGURE: 6-3



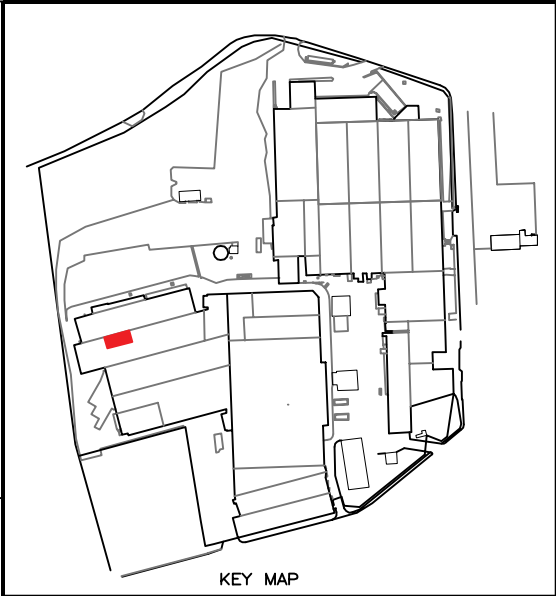
W-EP#14 (5')	
BENZO[a]PYRENE	1.2J
BENZO[a]FLUORANTHENE	1.2
INDENO[1,2,3-cd]PYRENE	0.82

W-EP#15 (5')	
CHROMIUM	69.1
NICKEL	33.0

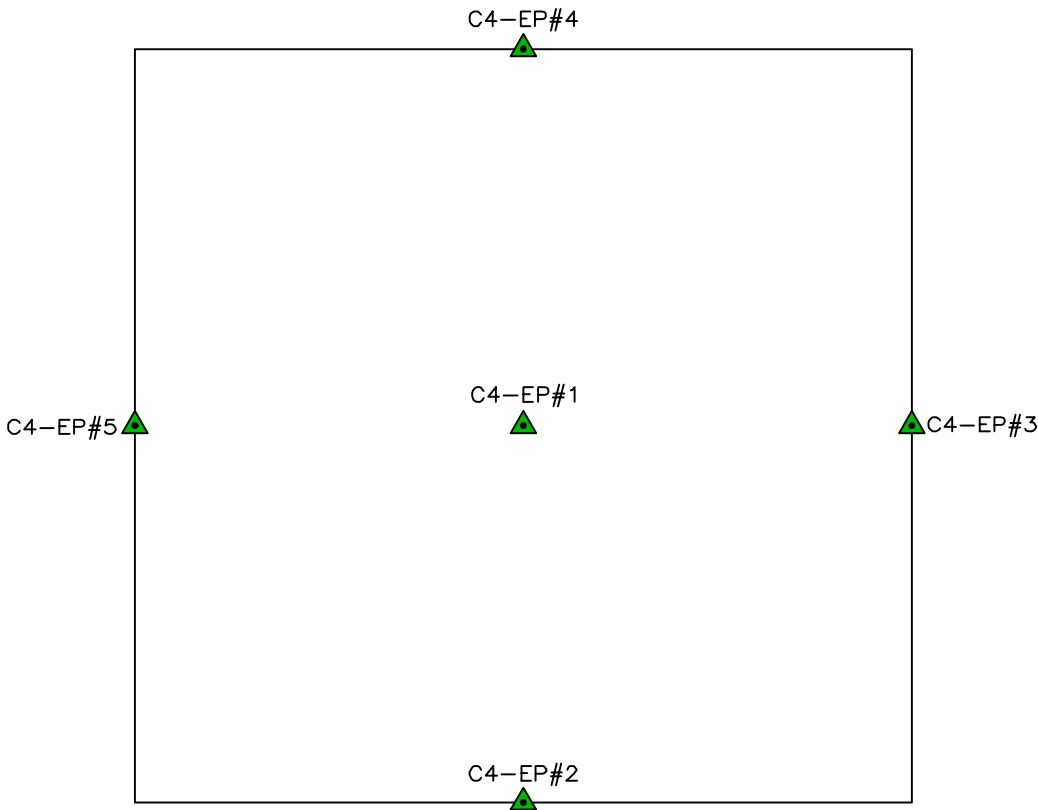
X-REF:

REPORT:

DRAWING FILE LOCATION: A:\Dropbox\Apex\EQNRTH1301.001_RPT Glencove, NY\EQNRTH1301.01F.dwg



KEY MAP



LEGEND

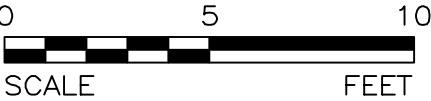
- ENDPOINT SAMPLE LOCATION
- ENDPOINT SAMPLE LOCATION WHICH HAS BEEN REMEDIATED
- ENDPOINT SAMPLE LOCATION
- ENDPOINT SAMPLE LOCATION
- ENDPOINT SAMPLE LOCATION

DATA BOX LEGEND

SAMPLE ID	ANALYTICAL RESULT	MG/KG
C1-EP#12 (8')	SILVER	6.3

COMPOUND EXCEEDS SCOs

- EXTENT OF EXCAVATION
- GREEN/ITALICIZED VALUE INDICATES ANALYTE EXCEEDED ITS RESPECTIVE UNRESTRICTED SCO BUT WAS BELOW ITS RESPECTIVE RESIDENTIAL/PROTECTION OF GW SCO, WHICHEVER IS LOWER.
- BLUE/ITALICIZED VALUE INDICATES ANALYTE EXCEEDED ITS RESPECTIVE RESIDENTIAL SCOS AND/OR PROTECTION OF GROUNDWATER SCO BUT WAS BELOW ITS RESTRICTED RESIDENTIAL SCO.
- PINK/ITALICIZED VALUE INDICATES ANALYTE EXCEEDED ITS RESPECTIVE RESIDENTIAL SCOS AND/OR PROTECTION OF GROUNDWATER SCO BUT WAS BELOW ITS COMMERCIAL SCO OR CONCENTRATION APPROVED BY NYSDEC

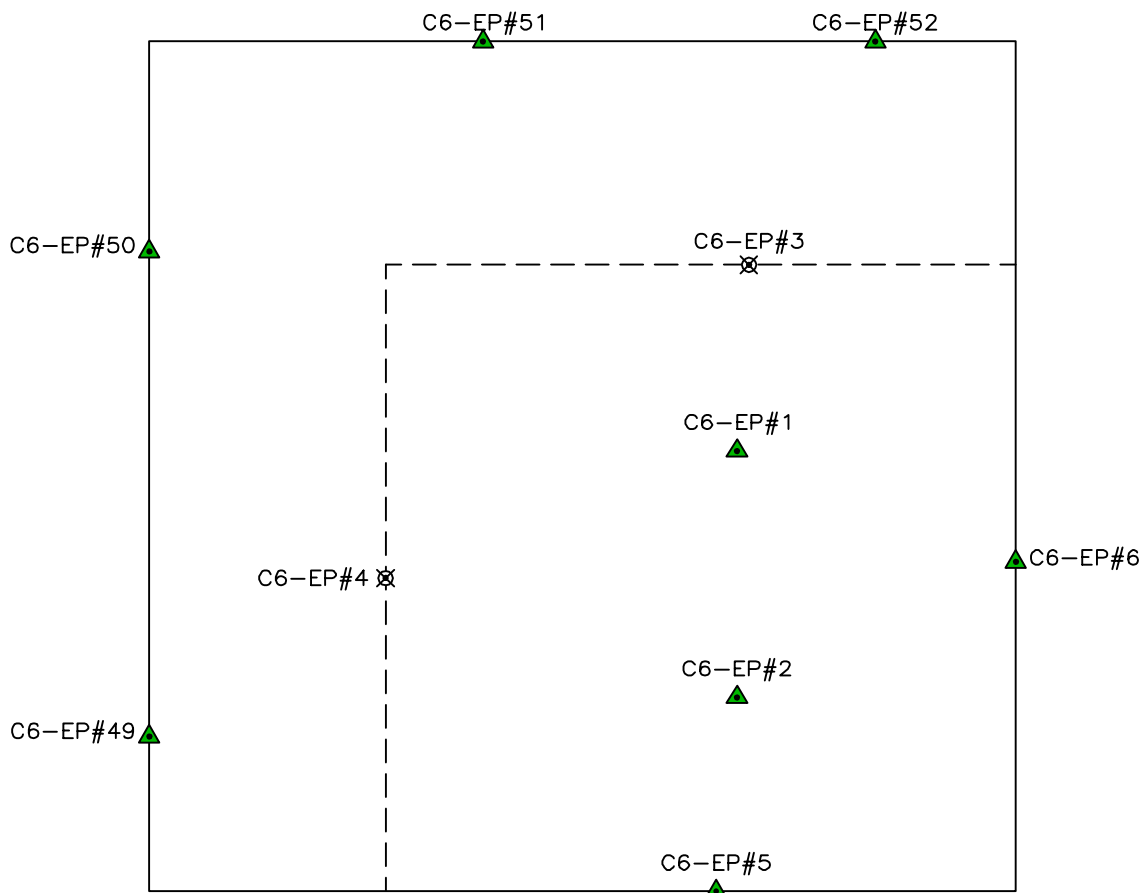
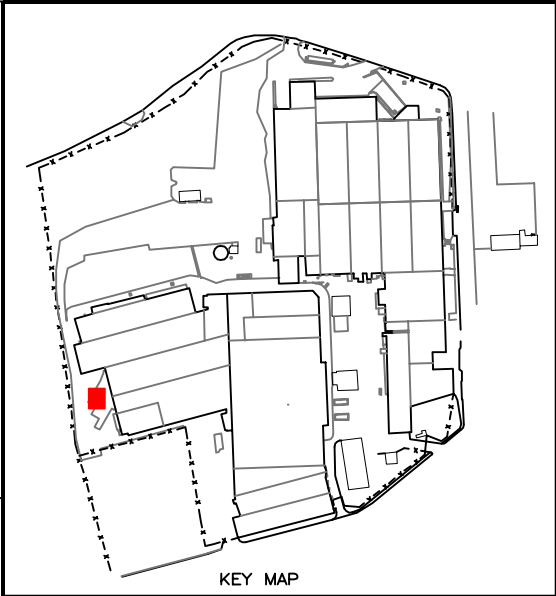


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COLUMBIA BUILDING NO. 4
C4-2 ORIGINAL SAMPLE LOCATION

CLIENT: KONICA GRAPHIC IMAGING CO.			PM: DS
LOCATION: 71 CHARLES STREET GLEN COVE, NEW YORK			PE/RG:
DESIGNED: SEE SOURCE	DETAILED: DH	PROJECT NO.: EQNRTH1301.001	FIGURE: 6-33



LEGEND

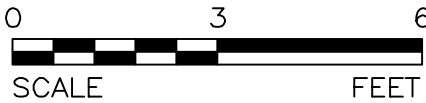
- ENDPOINT SAMPLE LOCATION
- ENDPOINT SAMPLE LOCATION WHICH HAS BEEN REMEDIATED
- ENDPOINT SAMPLE LOCATION
- ENDPOINT SAMPLE LOCATION
- ENDPOINT SAMPLE LOCATION

DATA BOX LEGEND

SAMPLE ID	ANALYTICAL RESULT MG/KG	
B9-EP#19 (1')		
LEAD	1,340	
SILVER	1,940	

COMPOUND EXCEEDS SCOs

- EXTENT OF EXCAVATION
- APPROXIMATE LIMIT OF SUPPLEMENTAL EXCAVATION
- GREEN/ITALICIZED VALUE INDICATES ANALYTE EXCEEDED ITS RESPECTIVE UNRESTRICTED SCO BUT WAS BELOW ITS RESPECTIVE RESIDENTIAL/PROTECTION OF GW SCO, WHICHEVER IS LOWER.
- BLUE/ITALICIZED VALUE INDICATES ANALYTE EXCEEDED ITS RESPECTIVE RESIDENTIAL SCOs AND/OR PROTECTION OF GROUNDWATER SCO BUT WAS BELOW ITS RESTRICTED RESIDENTIAL SCO.
- PINK/ITALICIZED VALUE INDICATES ANALYTE EXCEEDED ITS RESPECTIVE RESIDENTIAL SCOs AND/OR PROTECTION OF GROUNDWATER SCO BUT WAS BELOW ITS COMMERCIAL SCO OR CONCENTRATION APPROVED BY NYSDEC



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REV. NO.: 1	DRAWING DATE: 3/21/15	ACAD FILE: EQNRTH1301.01G

**FORMER COLUMBIA BUILDING NO. 6
C6-2 ORIGINAL SAMPLE LOCATION**

CLIENT: KONICA GRAPHIC IMAGING CO.	PM: DS

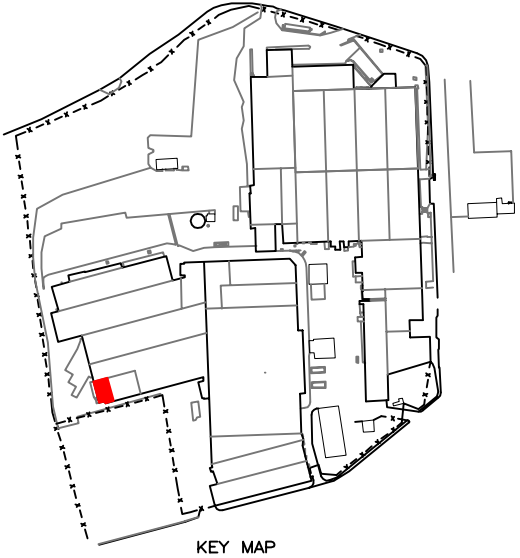
LOCATION: 71 CHARLES STREET GLEN COVE, NEW YORK	PE/RG:

DESIGNED: SEE SOURCE	DETAILED: DH	PROJECT NO.: EQNRTH1301.001	FIGURE: 6-34

X-REF:

REPORT:

DRAWING FILE LOCATION: A:\Dropbox\Apex\EQNRTH1301.001_RPT Glencove, NY\EQNRTH1301.01H.dwg

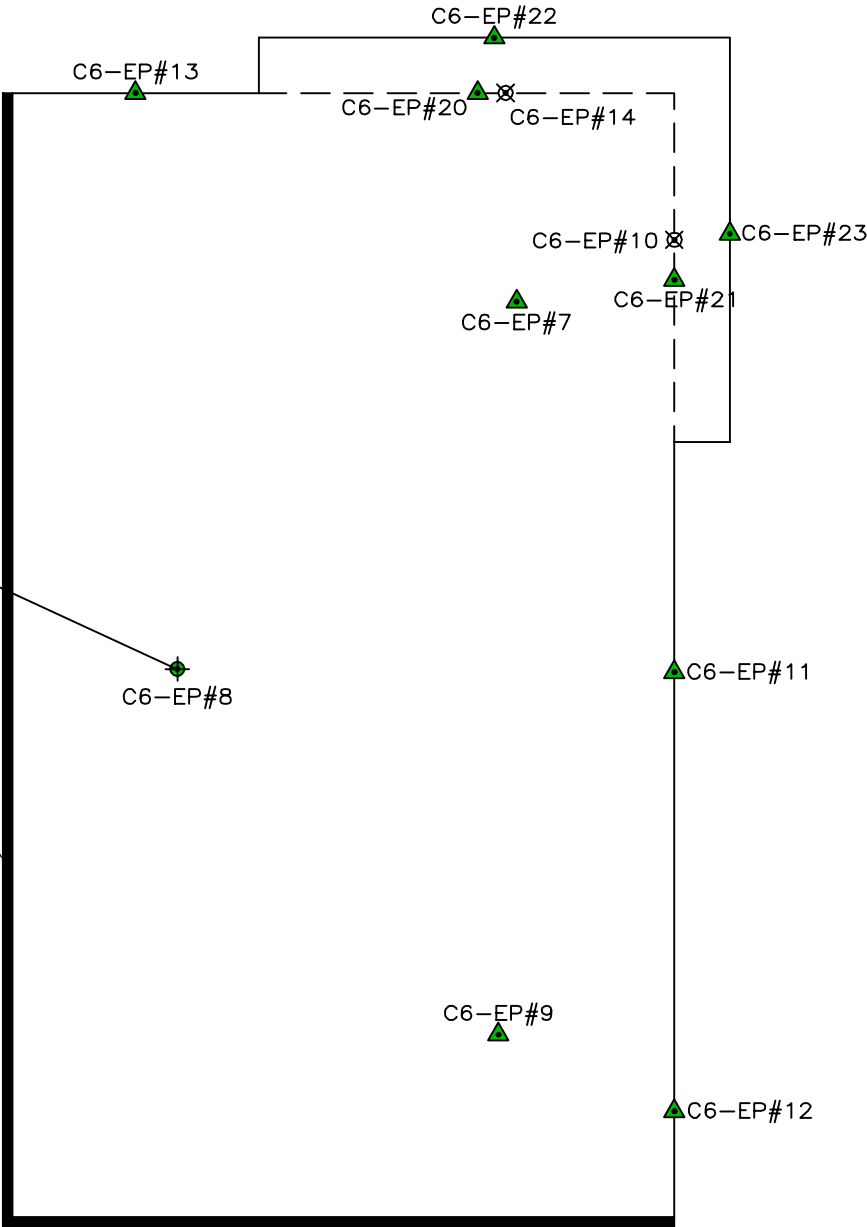


KEY MAP

C6-EP#8 (8')	
SILVER	33.6

CONCRETE WALL

CONCRETE WALL



LEGEND

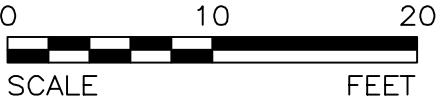
- ENDPOINT SAMPLE LOCATION
- ENDPOINT SAMPLE LOCATION WHICH HAS BEEN REMEDIATED
- ENDPOINT SAMPLE LOCATION
- ENDPOINT SAMPLE LOCATION
- ENDPOINT SAMPLE LOCATION

DATA BOX LEGEND

SAMPLE ID	ANALYTICAL RESULT MG/KG	
B9-EP#19 (1')		
LEAD		1,340
SILVER		1,940

COMPOUND EXCEEDS SCOs

- EXTENT OF EXCAVATION
- APPROXIMATE LIMIT OF SUPPLEMENTAL EXCAVATION
- GREEN/ITALICIZED VALUE INDICATES ANALYTE EXCEEDED ITS RESPECTIVE UNRESTRICTED SCO BUT WAS BELOW ITS RESPECTIVE RESIDENTIAL/PROTECTION OF GW SCO, WHICHEVER IS LOWER.
- BLUE/ITALICIZED VALUE INDICATES ANALYTE EXCEEDED ITS RESPECTIVE RESIDENTIAL SCOs AND/OR PROTECTION OF GROUNDWATER SCO BUT WAS BELOW ITS RESTRICTED RESIDENTIAL SCO.
- PINK/ITALICIZED VALUE INDICATES ANALYTE EXCEEDED ITS RESPECTIVE RESIDENTIAL SCOs AND/OR PROTECTION OF GROUNDWATER SCO BUT WAS BELOW ITS COMMERCIAL SCO OR CONCENTRATION APPROVED BY NYSDEC

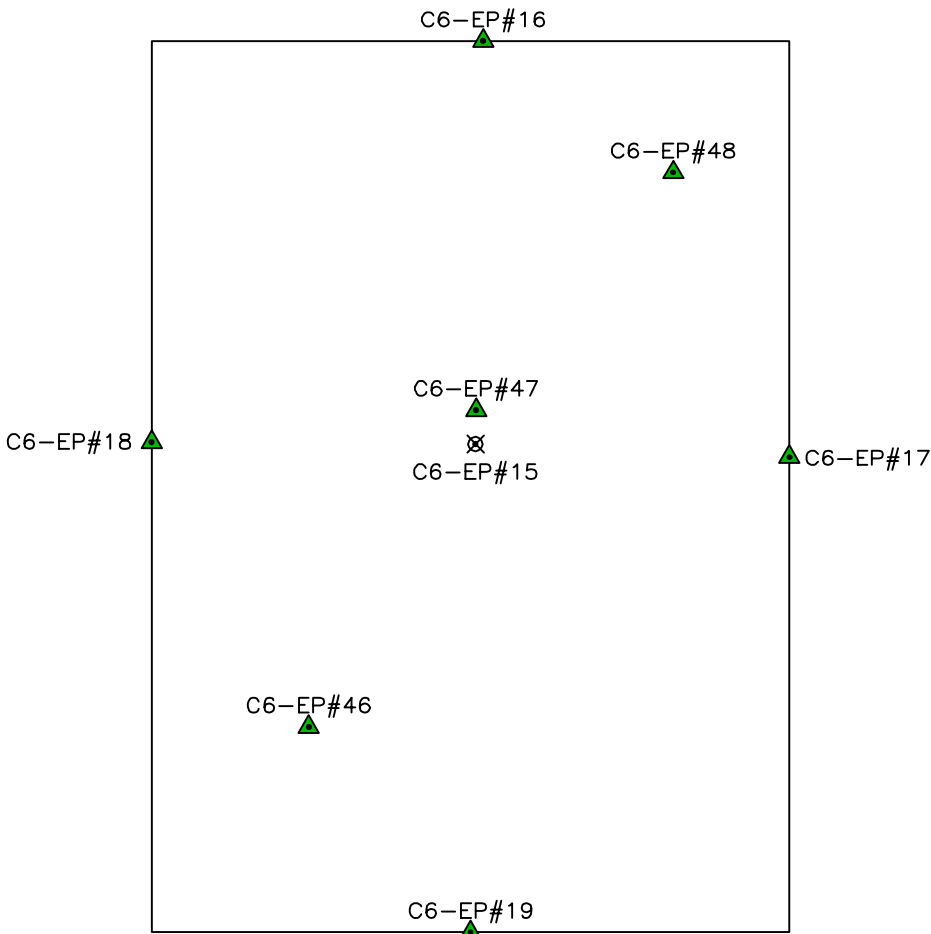
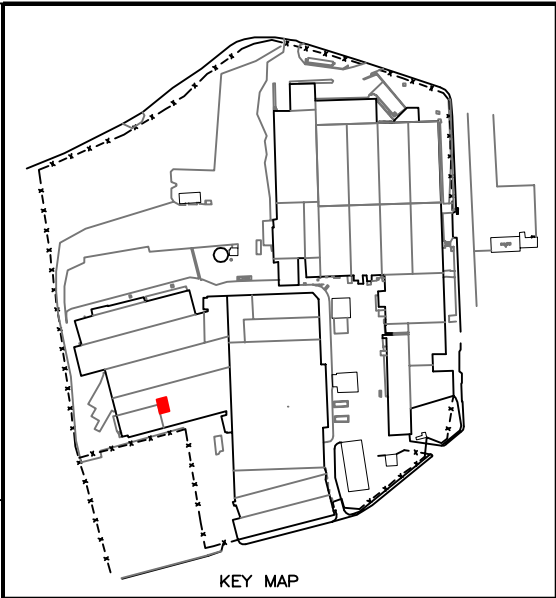


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REV. NO.: 1	DRAWING DATE: 2/19/15	ACAD FILE: EQNRTH1301.01H

FORMER COLUMBIA BUILDING NO. 6
C6-6 ORIGINAL SAMPLE LOCATION

CLIENT: KONICA GRAPHIC IMAGING CO.		PM: DS
LOCATION: 71 CHARLES STREET GLEN COVE, NEW YORK		PE/RG:
DESIGNED: SEE SOURCE	DETAILED: DH	PROJECT NO.: EQNRTH1301.001
		FIGURE: 6-35



LEGEND

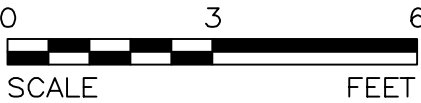
- ENDPOINT SAMPLE LOCATION
- ENDPOINT SAMPLE LOCATION WHICH HAS BEEN REMEDIATED
- ENDPOINT SAMPLE LOCATION
- ENDPOINT SAMPLE LOCATION
- ENDPOINT SAMPLE LOCATION

DATA BOX LEGEND

SAMPLE ID	ANALYTICAL RESULT MG/KG	
B9-EP#19 (1')		
LEAD	1,340	
SILVER	1,940	

COMPOUND EXCEEDS SCOs

- EXTENT OF EXCAVATION
- GREEN/ITALICIZED VALUE INDICATES ANALYTE EXCEEDED ITS RESPECTIVE UNRESTRICTED SCO BUT WAS BELOW ITS RESPECTIVE RESIDENTIAL/PROTECTION OF GW SCO, WHICHEVER IS LOWER.
- BLUE/ITALICIZED VALUE INDICATES ANALYTE EXCEEDED ITS RESPECTIVE RESIDENTIAL SCOS AND/OR PROTECTION OF GROUNDWATER SCO BUT WAS BELOW ITS RESTRICTED RESIDENTIAL SCO.
- PINK/ITALICIZED VALUE INDICATES ANALYTE EXCEEDED ITS RESPECTIVE RESIDENTIAL SCOS AND/OR PROTECTION OF GROUNDWATER SCO BUT WAS BELOW ITS COMMERCIAL SCO OR CONCENTRATION APPROVED BY NYSDEC

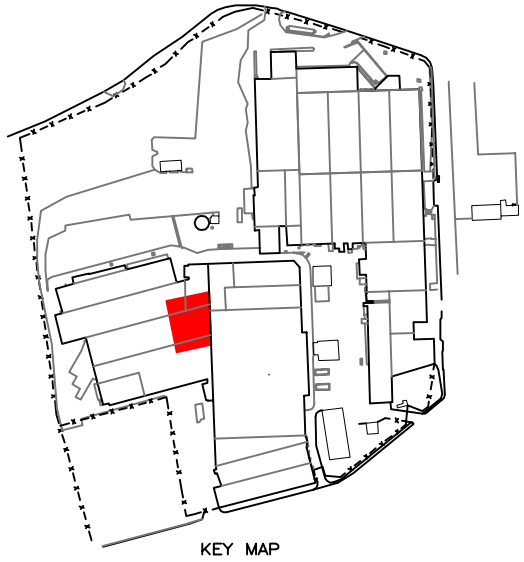


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REV. NO.: 1	DRAWING DATE: 3/21/15	ACAD FILE: EQNRTH1301.01i

FORMER COLUMBIA BUILDING NO. 6
C6-8 ORIGINAL SAMPLE LOCATION

CLIENT: KONICA GRAPHIC IMAGING CO.			PM: D
LOCATION: 71 CHARLES STREET GLEN COVE, NEW YORK			PE/R
DESIGNED: SEE SOURCE	DETAILED: DH	PROJECT NO.: EQNRTH1301.001	FIGUR 6-



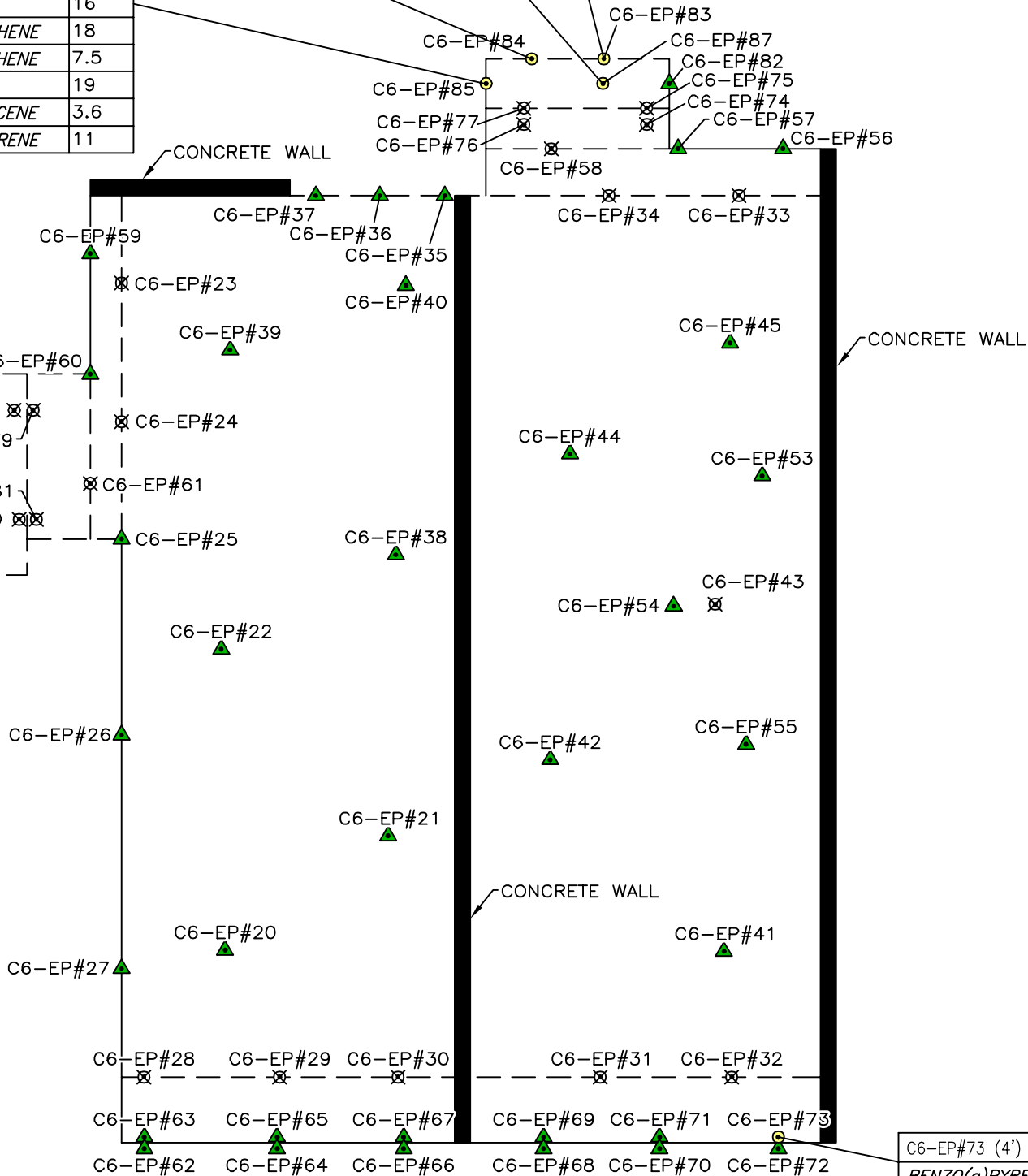
C6-EP#84 (1')	
<i>BENZO(a)ANTHRACENE</i>	11
<i>BENZO(a)PYRENE</i>	9.5
<i>BENZO(b)FLUORANTHENE</i>	11
<i>BENZO(k)FLUORANTHENE</i>	3.9
<i>CHRYSENE</i>	10
<i>DIBENZ(a,h)ANTHRACENE</i>	2.3
<i>IDENO(1,2,3-CD)PYRENE</i>	6.9

C6-EP#85 (4')	
<i>BENZO(a)ANTHRACENE</i>	20
<i>BENZO(a)PYRENE</i>	16
<i>BENZO(b)FLUORANTHENE</i>	18
<i>BENZO(k)FLUORANTHENE</i>	7.5
<i>CHRYSENE</i>	19
<i>DIBENZ(a,h)ANTHRACENE</i>	3.6
<i>IDENO(1,2,3-CD)PYRENE</i>	11

C6-EP#87 (7')	
<i>BENZO(a)ANTHRACENE</i>	2.7
<i>BENZO(a)PYRENE</i>	1.9
<i>BENZO(b)FLUORANTHENE</i>	2.3
<i>BENZO(k)FLUORANTHENE</i>	0.88
<i>CHRYSENE</i>	2.4
<i>DIBENZ(a,h)ANTHRACENE</i>	0.43
<i>IDENO(1,2,3-CD)PYRENE</i>	1.3

C6-EP#83 (4')	
<i>BENZO(a)ANTHRACENE</i>	4.5
<i>BENZO(a)PYRENE</i>	3.7
<i>BENZO(b)FLUORANTHENE</i>	4.7
<i>BENZO(k)FLUORANTHENE</i>	1.6
<i>CHRYSENE</i>	4.9
<i>DIBENZ(a,h)ANTHRACENE</i>	0.86
<i>IDENO(1,2,3-CD)PYRENE</i>	2.6

(NO SAMPLES
COLLECTED IN THIS
AREA OF EXCAVATION
PER NYSDEC)



C6-EP#73 (4')	
<i>BENZO(a)PYRENE</i>	1.1

LEGEND

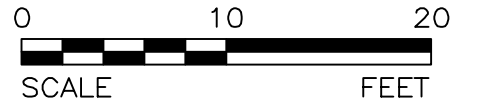
- ENDPOINT SAMPLE LOCATION
- ENDPOINT SAMPLE LOCATION WHICH HAS BEEN REMEDIATED
- ENDPOINT SAMPLE LOCATION
- ENDPOINT SAMPLE LOCATION
- ENDPOINT SAMPLE LOCATION

DATA BOX LEGEND

SAMPLE ID	ANALYTICAL RESULT MG/KG	
B9-EP#19 (1')		
LEAD	1,340	
SILVER	1,940	

COMPOUND EXCEEDS SCOs

- EXTENT OF EXCAVATION
- APPROXIMATE LIMIT OF SUPPLEMENTAL EXCAVATION
- GREEN/ITALICIZED VALUE INDICATES ANALYTE EXCEEDED ITS RESPECTIVE UNRESTRICTED SCO BUT WAS BELOW ITS RESPECTIVE RESIDENTIAL/PROTECTION OF GW SCO, WHICHEVER IS LOWER.
- BLUE/ITALICIZED VALUE INDICATES ANALYTE EXCEEDED ITS RESPECTIVE RESIDENTIAL SCOs AND/OR PROTECTION OF GROUNDWATER SCO BUT WAS BELOW ITS RESTRICTED RESIDENTIAL SCO.
- PINK/ITALICIZED VALUE INDICATES ANALYTE EXCEEDED ITS RESPECTIVE RESIDENTIAL SCOs AND/OR PROTECTION OF GROUNDWATER SCO BUT WAS BELOW ITS COMMERCIAL SCO OR CONCENTRATION APPROVED BY NYSDEC

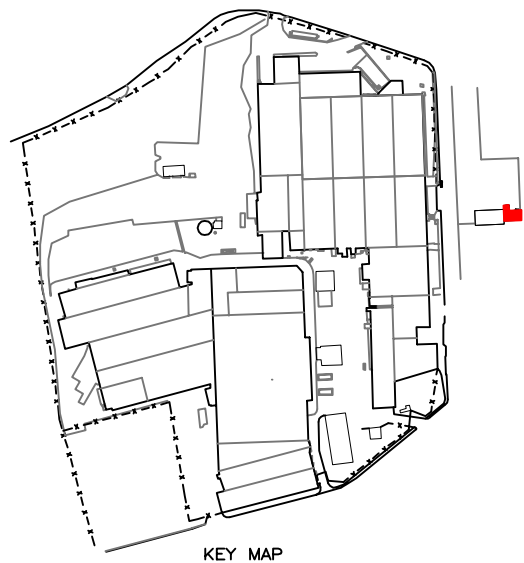


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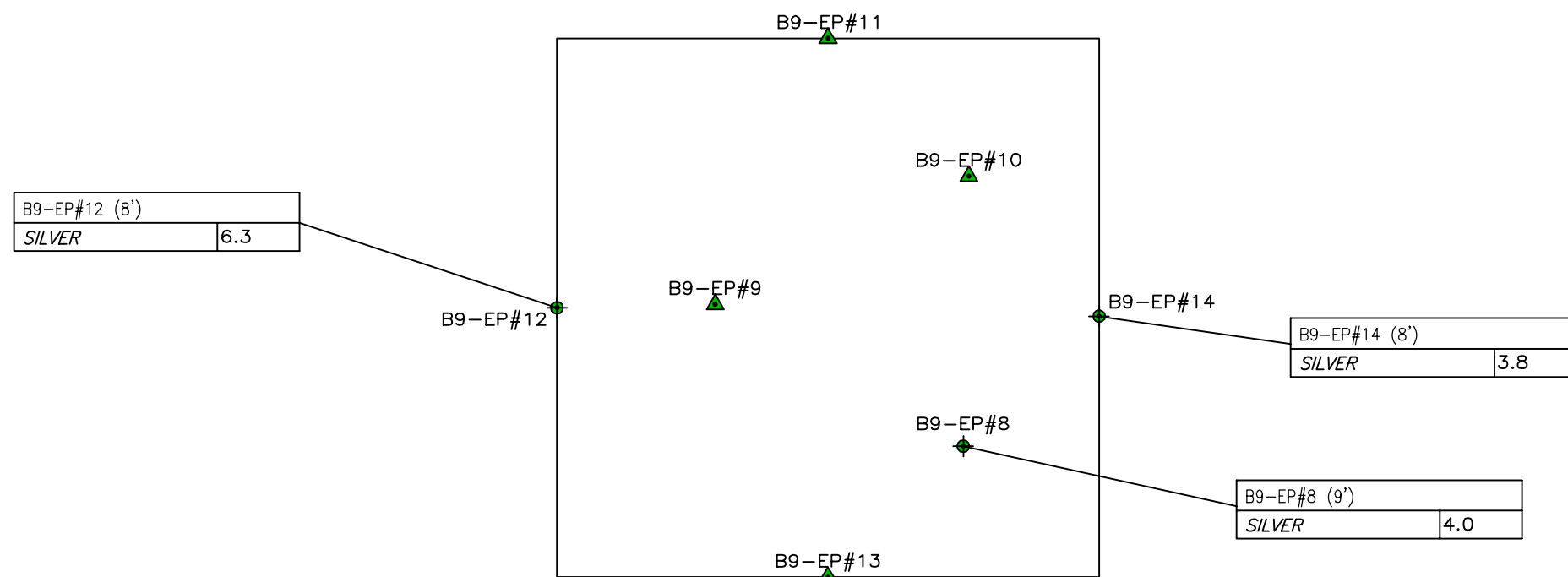
REV. NO.: 1	DRAWING DATE: 3/21/15	ACAD FILE: EQNRTH1301.01J

FORMER COLUMBIA BUILDING NO. 6
C6-13 ORIGINAL SAMPLE LOCATION

CLIENT: KONICA GRAPHIC IMAGING CO.			PM: DS
LOCATION: 71 CHARLES STREET GLEN COVE, NEW YORK			PE/RG:
DESIGNED: SEE SOURCE	DETAILED: DH	PROJECT NO.: EQNRTH1301.001	FIGURE: 6-37



KEY MAP



LEGEND

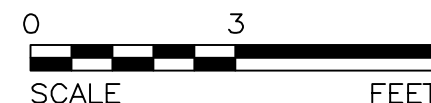
	ENDPOINT	SAMPLE	LOCATION	
	ENDPOINT	SAMPLE	LOCATION	WHICH
	HAS BEEN	REMEDIATED		
	ENDPOINT	SAMPLE	LOCATION	
	ENDPOINT	SAMPLE	LOCATION	
	ENDPOINT	SAMPLE	LOCATION	

DATA BOX LEGEND

SAMPLE ID	ANALYTICAL RESULT		MG/KG
B9-EP#8 (9')			
SILVER	4.0		

COMPOUND EXCEEDS SCOs

-  EXTENT OF EXCAVATION
-  GREEN/ITALICIZED VALUE INDICATES ANALYTE EXCEEDED ITS RESPECTIVE UNRESTRICTED SCO BUT WAS BELOW ITS RESPECTIVE RESIDENTIAL/PROTECTION OF GW SCO, WHICHEVER IS LOWER.
-  BLUE/ITALICIZED VALUE INDICATES ANALYTE EXCEEDED ITS RESPECTIVE RESIDENTIAL SCOS AND/OR PROTECTION OF GROUNDWATER SCO BUT WAS BELOW ITS RESTRICTED RESIDENTIAL SCO.
-  PINK/ITALICIZED VALUE INDICATES ANALYTE EXCEEDED ITS RESPECTIVE RESIDENTIAL SCOS AND/OR PROTECTION OF GROUNDWATER SCO BUT WAS BELOW ITS COMMERCIAL SCO OR CONCENTRATION APPROVED BY NYSDEC



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REV. NO.: 1	DRAWING DATE: 3/21/15	ACAD FILE: EQNRTH1301.01B

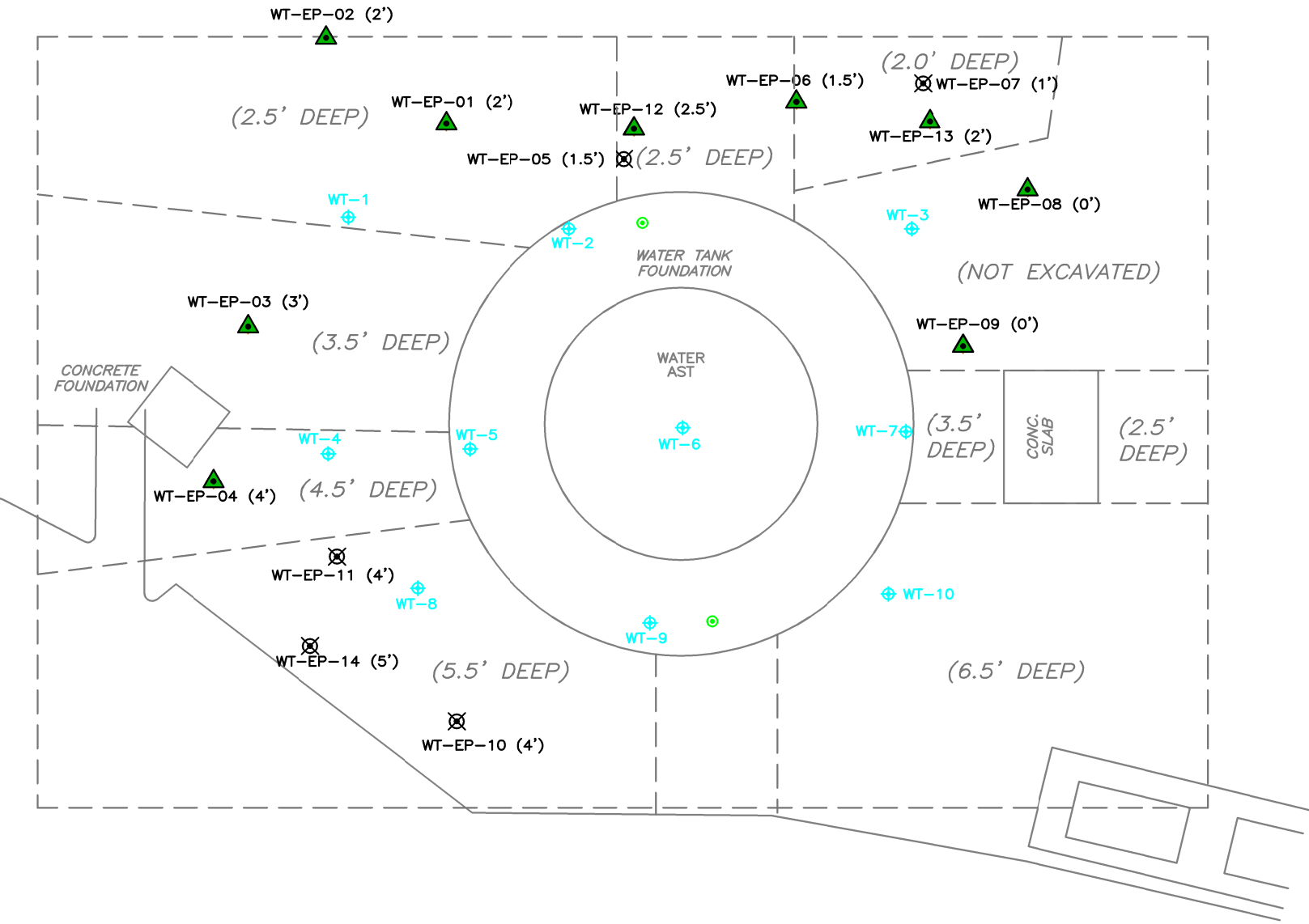
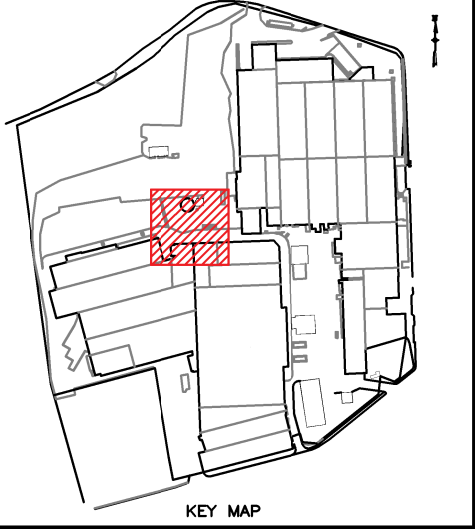
**FORMER BUILDING NO. 9
B9-9 ORIGINAL SAMPLE
LOCATION**

CLIENT: KONICA GRAPHIC IMAGING CO.		PM: DS
LOCATION: 71 CHARLES STREET GLEN COVE, NEW YORK		PE/RG:
DESIGNED: SEE SOURCE	DETAILED: DH	PROJECT NO.: EQNRTH1301.001
		FIGURE: 6-38

X-REF:

REPORT:

DRAWING FILE LOCATION: P:\ACTIVE PROJECTS.../EQ NORTHEAST/85247.003 - KONICA RCRA CLOSURE PLAN/DRAWINGS & CAD



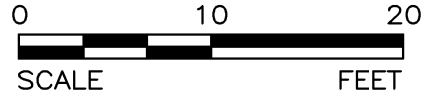
- LEGEND**
- DEEP SOIL BORING LOCATION
 - ENDPOINT SAMPLE LOCATION
 - ENDPOINT SAMPLE LOCATION WHICH HAS BEEN REMEDIATED
 - ENDPOINT SAMPLE LOCATION
 - ENDPOINT SAMPLE LOCATION
 - ENDPOINT SAMPLE LOCATION

DATA BOX LEGEND

SAMPLE ID	ANALYTICAL RESULT MG/KG
B9-EP#8 (9')	
SILVER	4.0

COMPOUND EXCEEDS SCOs

- EXTENT OF EXCAVATION**
- GREEN/ITALICIZED VALUE INDICATES ANALYTE EXCEEDED ITS RESPECTIVE UNRESTRICTED SCO BUT WAS BELOW ITS RESPECTIVE RESIDENTIAL/PROTECTION OF GW SCO, WHICHEVER IS LOWER.
- BLUE/ITALICIZED VALUE INDICATES ANALYTE EXCEEDED ITS RESPECTIVE RESIDENTIAL SCOs AND/OR PROTECTION OF GROUNDWATER SCO BUT WAS BELOW ITS RESTRICTED RESIDENTIAL SCO.
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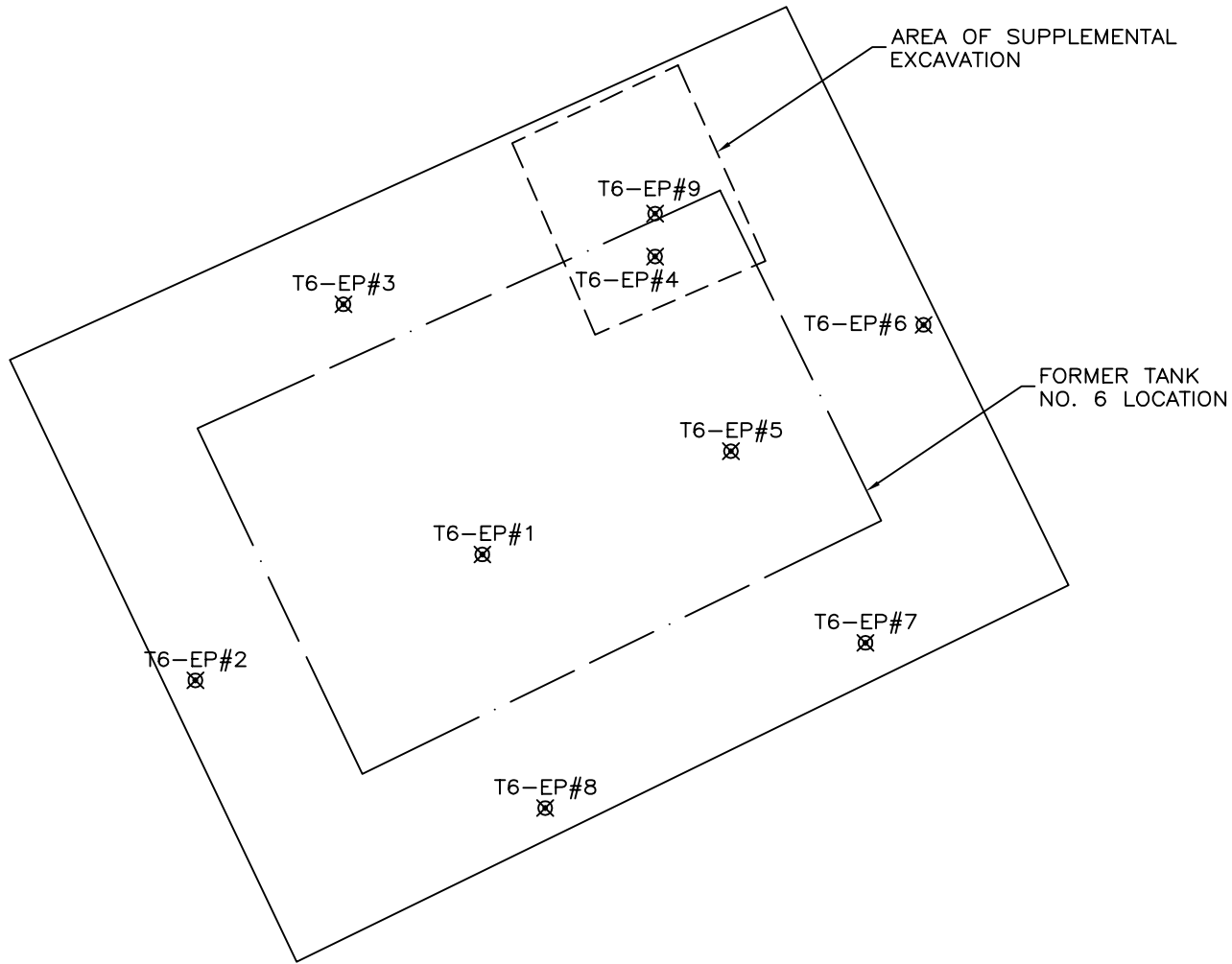
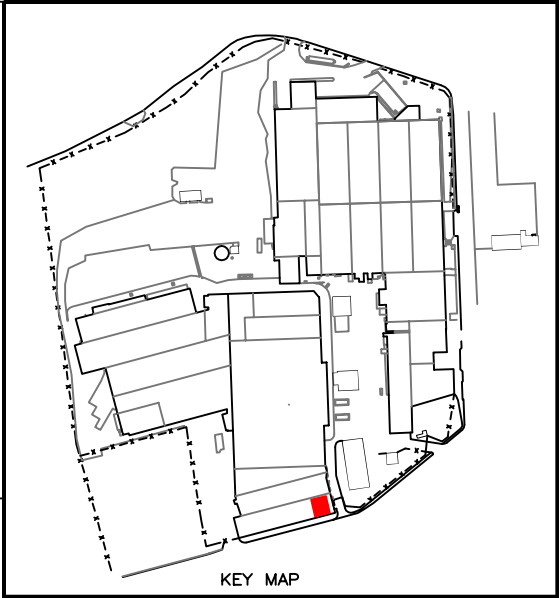


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REV. NO.: 3	DRAWING DATE: 1/5/16	ACAD FILE: 85247 WATER_TANK 103113

FORMER NORTH LOT AREA WATER TANK SAMPLE LOCATIONS

CLIENT: KONICA GRAPHIC IMAGING CO.	PM: DS
LOCATION: GLEN COVE, NEW YORK	PE/RG:
DESIGNED: SEE SOURCE	DETAILED: TS
PROJECT NO.: 85247	FIGURE: 6-39



LEGEND

- ENDPOINT SAMPLE LOCATION
- ENDPOINT SAMPLE LOCATION WHICH HAS BEEN REMEDIATED
- ENDPOINT SAMPLE LOCATION
- ENDPOINT SAMPLE LOCATION
- ENDPOINT SAMPLE LOCATION

DATA BOX LEGEND

SAMPLE ID	ANALYTICAL RESULT	MG/KG
C1a-EP#67 (8')	ARSENIC	23.1

COMPOUND EXCEEDS SCOs

- EXTENT OF EXCAVATION
- APPROXIMATE LIMIT OF SUPPLEMENTAL EXCAVATION
- GREEN/ITALICIZED VALUE INDICATES ANALYTE EXCEEDED ITS RESPECTIVE UNRESTRICTED SCO BUT WAS BELOW ITS RESPECTIVE RESIDENTIAL/PROTECTION OF GW SCO, WHICHEVER IS LOWER.
- BLUE/ITALICIZED VALUE INDICATES ANALYTE EXCEEDED ITS RESPECTIVE RESIDENTIAL SCOs AND/OR PROTECTION OF GROUNDWATER SCO BUT WAS BELOW ITS RESTRICTED RESIDENTIAL SCO.
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0 10 20

SCALE FEET

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REV. NO.: 1	DRAWING DATE: 3/23/15	ACAD FILE: EQNRTH1301.01LL
FORMER TANK#6 ENDPOINT SAMPLE LOCATIONS		
CLIENT: KONICA GRAPHIC IMAGING CO.		PM: DS
LOCATION: 71 CHARLES STREET GLEN COVE, NEW YORK		PE/RG:
DESIGNED: SEE SOURCE	DETAILED: DH	PROJECT NO.: EQNRTH1301.001
		FIGURE: 6-40

APPENDICES